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CONTENTS

	Page
DECISIONS OF THE COMMISSIONER OF PATENTS, May 6, 13, 20, 27	3, 293, 575, 857
TRADE-MARKS PUBLISHED AND REGISTERED, May 6, 13, 20, 27	11, 301, 583, 869
REISSUES, May 6, 13, 20, 27	37, 335, 611, 899
PLANT PATENTS, May 6, 13, 20, 27	—, —, 612, 900
PATENTS, May 6, 13, 20, 27	39, 337, 613, 901
DESIGNS, May 6, 13, 20, 27	258, 534, 815, 1085

ANNOUNCEMENTS

	Page
ADVERSE DECISIONS IN INTERFERENCE	1, 291, 573, 863
APPLICATIONS—Condition of pending	2, 292, 574, 856
BULLETIN OF DECISIONS ON TRADE-MARKS	864
CLASSIFICATION OF INVENTIONS—Changes in—*Order No. 3553*	9
Order No. 3554	863
DISCLAIMERS—Alexanderson, Ernst F. W	855
Anderson, Maurice K	1
Hendley, James A	573
Jenkins, John Elliott, et al	1
King, George E	291
Mahnke, Kurt	855
Obszarny, Theodore J	573
Pellett, Fred G	573
Robbins, William H	573
Wadd, Roy J	573
Willard, Donald E	1
Zenner, Walter J	573
FEES—Notice regarding payment of	1
INTERFERENCE NOTICE—Probeck, Armand A	291, 573, 855
PATENT SUITS	8, 298, 581, 861
PATENTS—List of adjudicated	1, 855
TRADE-MARK REGISTRATIONS CANCELLED	291

TABLE OF CASES REPORTED

	Page
*Adams, In re	861
*Allen, Jr., In re	576
Application filed July 10, 1940, In re	857
*Kear *v.* Roder	293
*McCormick *v.* Malherbe	3
*Mink, In re	5
*Universal Paper Products Co. v. Bemis Bros. Bag Co	1
*Rosenberger, In re	855
*Wahlforss et al., In re	575

(Decisions of the U. S. Court of Customs and Patent Appeals are indicated by a star (*).)

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LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Vitamin preparation. Serial No. 442,087; May 6. Class 6.
Aleo Mills, Inc., New York, N. Y. Cotton and/or rayon piece goods. Serial No. 440,974; May 6. Class 42.
Altman, B., & Co., New York, N. Y. Blouses, dresses, neckties, etc. Serial No. 438,639; May 6. Class 39.
American Mineral Spirits Company, Chicago, Ill. Liquid solvent of petroleum origin. Serial No. 441,119; May 6. Class 16.
American Viscose Corporation, Wilmington, Del. Yarns, threads, and yarn and thread filaments. Serial No. 441,273; May 6. Class 43.
Anaconda Wire & Cable Company, New York, N. Y. Insulated electrical wire and cable. Serial No. 439,149; May 6. Class 21.
Anderson Company, The, Gary, Ind. Granulated hand soap. Serial No. 441,073; May 6. Class 4.
Anderson Company, The, Gary, Ind. Granulated hand soap. Serial No. 441,076; May 6. Class 4.
Aron, J., & Company, Inc., New Orleans, La. Coffee. Serial No. 441,423; May 6. Class 46.
Atkins, E. C., and Company, Indianapolis, Ind. Hack saw blades. Serial No. 439,984; May 6. Class 23.
Atlantic Asphalt & Asbestos, Inc., Stratford, Conn. Roofing and siding products. Serial No. 434,513; May 6. Class 12.
Audio Devices, Inc., New York, N. Y. Instantaneous sound recording blanks. Serial No. 439,792; May 6. Class 36.
Audio Devices, Inc., New York, N. Y. Instantaneous sound recording blanks. Serial No. 439,794; May 6. Class 36.
Baer, Fritz S., doing business as F. S. Baer Co. Los Angeles, Calif. Cigars, cigarettes, smoking tobacco, etc. Serial No. 441,342; May 6. Class 17.
Baker Clothes, Inc., Philadelphia, Pa. Men's suits and overcoats. Serial No. 435,233; May 6. Class 39.
Bedford Drug & Chemical Company. (See Zekind, Charles.)
Bercut-Richards Packing Company, Sacramento, Calif. Canned fruits and canned vegetables. Serial No. 407,123; May 6. Class 46.
Berg, Joseph, New York, N. Y. Check books, account books, entry books, and binders. Serial No. 440,278; May 6. Class 37.
Bernstein & Sons Shirt Corporation, New York, N. Y. Boys' blouses and shirts. Serial Nos. 440,535–6; May 6. Class 39.
Blue Seal Extract Company, Cambridge, Mass. Beverages, and syrups and extracts for making the same. Serial No. 441,192; May 6. Class 45.
Bond Stores, Incorporated, New York, N. Y. Men's and boys' topcoats, overcoats, suits, etc. Serial No. 441,385; May 6. Class 39.
Bradley, Milton, Company, Springfield, Mass. Wooden toys. Serial No. 441,045; May 6. Class 22.
Bradley, Milton, Company, Springfield, Mass. Table game. Serial No. 441,603; May 6. Class 22.
Brantford Roofing Company, Limited, Brantford, Ontario, Canada. Surface finishing materials for cement, stone, or mastic floor coverings. Serial No. 439,686; May 6. Class 12.
Brewers Scientific Laboratories, Inc., Rahway, N. J. Compound for the chillproofing of beer and ales. Serial No. 441,693; May 6. Class 48.
Brillo Manufacturing Company, Inc., Brooklyn, N. Y. Soaps, cleaning, scouring, and polishing wads, pads, etc. Serial No. 423,289; May 6. Class 4.
Buckeye Brewing Company, The, Toledo, Ohio. Comic strip. Serial No. 441,278; May 6. Class 38.
Business Promotion Service. (See Phillips, Samuel A.)
Calcibrite Corporation, The, Pawtucket, R. I. Building cement. Serial No. 440,280; May 6. Class 12.
Capitol Milk Bars Corp., New York, N. Y. Milk and milk products. Serial No. 422,984; May 6. Class 46.
Cavalier Corporation, Chattanooga, Tenn. Consoles. Serial No. 441,124; May 6. Class 32.
Cavalier Corporation, Chattanooga, Tenn. Consoles. Serial No. 441,126; May 6. Class 32.
Cherokee Coal Company, Louisville, Ky. Coal. Serial Nos. 440,491–2; May 6. Class 1.
Chicago Mail Order Company, Chicago, Ill. Shoes. Serial Nos. 441,153–4; May 6. Class 39.
Cohen, Frank H., New York, N. Y. Men's, young men's, and boys' suits, overcoats, topcoats, raincoats, etc. Serial No. 441,195; May 6. Class 39.
Cosmo Packing Company, Inc., New York, N. Y. Vegetable shortening. Serial No. 439,616; May 6. Class 46.
Crown Zellerbach Corporation, San Francisco, Calif. Toilet tissue and paper towels. Serial No. 440,916; May 6. Class 37.
Crystal, David, Inc., New York, N. Y. Ladies' and misses' dresses and dress ensembles. Serial No. 440,918; May 6. Class 39.
Curran Corporation, The, Malden, Mass. Decarbonizing and degumming liquid detergent or cleaning compound. Serial No. 441,015; May 6. Class 6.
Delettrez, Inc., Long Island City, N. Y. Perfume. Serial Nos. 441,950–4; May 6. Class 6.
Dellinger, Walter E., doing business as Dellinger Spread Company, Rome, Ga. Bed spreads, bath mats and rugs. Serial No. 430,221; May 6. Class 42.
Denebeim Distilling Co., Kansas City, Mo. Whiskey. Serial No. 439,249; May 6. Class 49.
Denney, Frances, Philadelphia, Pa. Toilet preparations. Serial No. 439,927; May 6. Class 6.
Diamond Braiding Mills Incorporated, Chicago Heights, Ill. Shoe laces. Serial Nos. 441,351–2; May 6. Class 40.
Differential Wheel Corporation, Detroit, Mich. Vehicle wheels particularly independently rotatable dual wheels. Serial No. 416,372; May 6. Class 19.
Duo-Haler Company, The. (See Emery, Martin F.)
Durkee Famous Foods. (See Glidden Company.)
Dwinell-Wright Company, Boston, Mass. Salted peanuts. Serial No. 440,745; May 6. Class 46.
Dyer Welder & Engineering Co., Kansas City, Mo. Electric welding equipment. Serial No. 429,298; May 6. Class 21.
Eastern Malleable Iron Company, The, Naugatuck, Conn. Non-Skid metal articles. Serial No. 440,682; May 6. Class 12.
Edmont Manufacturing Co., Coshocton, Ohio. Gloves. Serial No. 441,240; May 6. Class 39.
Eisendrath, B. D., Tanning Co., Chicago, Ill. Leather. Serial No. 440,086; May 6. Class 1.
Eisendrath, B. D., Tanning Co., Chicago, Ill. Leather. Serial No. 440,284; May 6. Class 1.
Eitingon-Gregory, Inc., New York, N. Y. Fur skins. Serial No. 441,196; May 6. Class 1.
Emory, Martin F., doing business as The Duo-Haler Company, New York, N. Y. Nasal medicine. Serial No. 440,678; May 6. Class 6.
Etelson, Morton, New York, N. Y. Women's coats, jackets, muffs, etc. Serial No. 440,285; May 6. Class 39.
Falcon Shoe Company, St. Louis, Mo. Shoes. Serial No. 434,209; May 6. Class 39.
Famous-Barr Company. (See May Department Stores Company.)
Feldman, Joseph, doing business as Scher & Feldman, New York, N. Y. Infants', children's, and juniors' coats. Serial No. 434,398; May 6. Class 39.
Finkelstein, Meyer, doing business as The Rich Chemical Co., New York, N. Y. Facial ointment. Serial No. 439,209; May 6. Class 6.
Fort Schuyler Knitting Company, Utica, N. Y. Men's, women's, and children's knitted pajamas and sleeping garments. Serial No. 440,370; May 6. Class 39.
Freeda Agar Products, New York, N. Y. Chocolate powder. Serial No. 440,088; May 6. Class 46.
Frick Company, Waynesboro, Pa. Unit air conditioners. Serial No. 440,158; May 6. Class 34.
Givaudan-Delawanna, Inc., New York, N. Y. Organic odoriferous and flavor imparting chemicals. Serial No. 432,576; May 6. Class 6.
Glidden Company, The, doing business as Durkee Famous Foods, New York, N. Y., Chicago, Ill., Louisville, Ky., and Berkeley, Calif. Compound shortening. Serial No. 439,045; May 6. Class 46.
Glovecraft, Inc., Johnstown, N. Y. Gloves. Serial No. 440,588; May 6. Class 39.
Graham, John H., & Co. Inc., New York, N. Y. Braided and twisted cotton cordage. Serial No. 432,216; May 6. Class 7.
Granite Beverage Co. (See Sten, Walter G.)
Harris, Clara, Kansas City, Mo. Lipstick. Serial No. 435,870; May 6. Class 6.
Harrower Laboratory, Inc., The, Glendale, Calif. Preparation consisting of endothyrin, etc. Serial No. 441,769; May 6. Class 6.
Hart, Schaffner & Marx, Chicago, Ill. Men's and boys' suits, coats, overcoats, topcoats, etc. Serial No. 441,537; May 6. Class 39.
Harvey Brothers, Chicago, Ill. Men's and boys' clothing. Serial No. 440,859; May 6. Class 39.
Hazen, Chas. E., doing business as Hazen Packing Company, Corning, Calif. Canned olives. Serial No. 441,135; May. 6. Class 46.
Hemet Mutual Groves, Hemet, Calif. Citrus fruits, Serial No. 440,554; May 6. Class 46.
Henry, Harry, Chicago, Ill. Coupons. Serial No. 436,511; May 6. Class 38.
Hensler, Joseph, Brewing Company, The, Newark, N. J. Beer. Serial No. 440,553; May 6. Class 48.
Huntington Laboratories, Inc., Huntington, Ind. Dust layer oil and preservative. Serial No. 436,804; May 6. Class 4.

Imperial Hosiery Co., Pittsburgh, Pa. Hosiery and bathing suits. Serial No. 440,654; May 6. Class 39.
Independent Directory Corp., Chicago, Ill. Business and industrial buyers' guide classified telephone directory. Serial No. 440,595; May 6. Class 38.
Insel Company, The, Arlington, N. J. Interfitting construction toys. Serial No. 441,511; May 6. Class 22.
International Smelting and Refining Company, Perth Amboy, N. J. Refined lead in pigs or blocks, antimonial lead pigs, etc. Serial No. 441,512; May 6. Class 14.
Interwoven Stocking Company, New Brunswick, N. J. Hosiery. Serial Nos. 440,597–8; May 6. Class 39.
Iowa-Missouri Hybrid Corn Co., Pulaski, Iowa. Hybrid seed corn. Serial No. 439,251; May 6. Class 1.
Jelenko, J. F., & Co. Inc., New York, N. Y. Dental impression material. Serial No. 441,473; May 6. Class 44.
Kastor, Adolph, & Bros., Inc., New York. N. Y. Pocket knives, hunting knives, and kitchen knives. Serial No. 440,253; May 6. Class 23.
Kateb, George, Inc., New York, N. Y. Ladies' and misses' negligees, hostess coats, robes, etc. Serial No. 440,334; May 6. Class 39.
Kerlow Steel Flooring Company, Jersey City, N. J. Ventilator gratings, steps, walkways, bridge floors, etc. Serial No. 440,167; May 6. Class 12.
Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. Serial No. 441,205; May 6. Class 40.
Kuhlman, Arthur L., Ann Arbor, Mich. Electrical plugs and sockets. Serial No. 440,255; May 6. Class 21.
Lacrosse, Clifford G., Jr., doing business as Maryland Colloid Co., Baltimore, Md. External antiphlogistic adsorbent for horses, cattle, and dogs. Serial No. 439,814; May 6. Class 6.
La Resista Corset Company, The, Bridgeport, Conn. Corsets, girdles, and combination foundation undergarments. Serial No. 440,990; May 6. Class 39.
Lee Knitwear Corp., New York, N. Y. Swimsuits, playsuits for men, women, and children. Serial No. 439,547; May 6. Class 39.
Leroux and Company, Inc., Philadelphia, Pa. Wines. Serial No. 440,822; May 6. Class 47.
Levay, Joseph, Inc., New York, N. Y. Women's and misses' dresses, skirts, coats, and suits. Serial No. 441,054; May 6. Class 39.
Limpret Bros., Inc., Vineland, N. J., and New York, N. Y. Maltless beverages and syrups for making the same. Serial No. 440,628; May 6. Class 45.
Luber-Finer, Inc., Los Angeles, Calif. Replacement units for oil refining devices for Diesel engines. Serial No. 430,785; May 6. Class 23.
Madison Sportswear, Inc., Boston, Mass., and New York, N. Y. Ladies' skirts. Serial No. 440,517; May 6. Class 39.
Maryland Colloid Co. (See Lacrosse, Clifford G., Jr.)
May Department Stores Company, The, Baltimore, Md.; Cleveland, Ohio; Los Angeles Calif.; and Denver, Colo., doing business as Famous-Barr Company, St. Louis, Mo., and as The M. O'Neil Co., Akron, Ohio. Ladies' gloves. Serial No. 440,786; May 6. Class 39.
Meade, Charles A., Poughkeepsie, N. Y. Building unit. Serial No. 440,632; published May 6. Class 12.
Mejia, Antonio, Mexico City, Mexico. Analgesic medical preparation for relieving pains. Serial No. 439,624; May 6. Class 6.
Mem Incorporated, New York, N. Y. Eau de cologne and toilet water. Serial No. 441,974; May 6. Class 6.
Mem Incorporated, New York, N. Y. Hair dressing and hair tonics. Serial No. 441,976; May 6. Class 6.
Merz & Co. Chemical Works, Inc., East Orange, N. J. Chemical compound. Serial No. 440,692; May 6. Class 6.
Metals Disintegrating Company, Inc., Union, N. J. Flaked disintegrated metal used as paint ingredient. Serial No. 441,617–8; May 6. Class 16.
Metropolitan Music Co., New York, N. Y. Violins, violas, cellos, etc. Serial No. 438,488; May 6. Class 36.
Midwest Knit Goods Company, Chicago, Ill. Women's and misses' sportswear. Serial No. 440,467; May 6. Class 39.
Miller Company, The, Meriden, Conn. Glass and combination glass and metal globes and reflectors. Serial No. 440,703; May 6. Class 34.
Minnesota Mining & Manufacturing Company, St. Paul, Minn. Light reflecting material in sheet form. Serial No. 439,970; May 6. Class 50.
Monarch Leather Company, Chicago, Ill. Leather. Serial No. 441,287; May 6. Class 1.
Mount Hope Finishing Company, Dighton, Mass. Finished textile fabrics in the piece. Serial No. 429,712; May 6. Class 42.
Narrow Fabric Company, The, West Reading, Pa. Shoe laces and middy blouse laces. Serial No. 441,138; May 6. Class 40.
National Aniline & Chemical Company, Inc., New York. N. Y. Dyes, dyestuffs, and colors in the nature of textile dyes. Serial No. 440,518; May 6. Class 6.
National Mattress Company, Huntington, W. Va. Processed antiseptic ticking. Serial No. 440,829; May 6. Class 50.
National Silver Company, New York, N. Y. Pottery cooking and table ware. Serial No. 439,394; May 6. Class 30.
Netzky, William, doing business as Susquehanna Waist Company, Philadelphia, Pa. Dress shields. Serial No. 441,140; May 6. Class 40.
New Era Milling Company, The, Arkansas City, Kans. Self-rising flour. Serial No. 440,873; May 6. Class 46.
O'Neil, M., Co., The. (See May Department Stores Company.)
Oshkosh Trunks and Luggage, Oshkosh, Wis. Hand luggage. Serial No. 440,519; May 6. Class 3.
Pathfinder Petroleum Company, Los Angeles, Calif. Gasoline. Serial No. 439,626; May 6. Class 15.
Pathfinder Petroleum Company, Los Angeles, Calif. Gasoline. Serial Nos. 439,628–9; May 6. Class 15.
Phillips, Samuel A., doing business as Business Promotion Service, Morgantown, W. Va. Trading certificates. Serial No. 440,831; May 6. Class 38.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. Serial No. 440,264; May 6. Class 46.
Polarized Materials Corporation, New York, N. Y. Sun goggles. Serial No. 436,139; May 6. Class 26.
Pomelo, Dr., Company, doing business as Engelman Gardens Association, Edinburg, Tex. Citrus fruits and citrus fruit juices. Serial No. 440,341; May 6. Class 46.
Posadas, Daniel G., Buenos Aires, Argentina. Casein. Serial No. 440,878; May 6. Class 1.
Pratt Food Company, Philadelphia, Pa. Feed ingredient. Serial No. 439,664; May 6. Class 46.
Prosperity Company, Inc., The, Syracuse, N. Y. Hydro extractors as centrifugal laundry extractors. Serial No. 434,249; May 6. Class 24.
Quaker Oats Company, The, Chicago, Ill. Bread. Serial No. 439,948; May 6. Class 46.
Quinn, Kathleen, Garment Company, Ogden, Utah. Women's dresses and aprons. Serial No. 437,218; May 6. Class 39.
Raleigh Haberdasher, Washington, D. C. Men's summer suits. Serial No. 441,446; May 6. Class 39.
Ray Oil Burner Co., San Francisco, Calif. Oil burners. Serial No. 438,452; May 6. Class 34.
Rejuvia Beauty Laboratories, Inc., New York, N. Y. Lipstick, face powder, rouge, etc. Serial No. 442,075; May 6. Class 6.
Remington Rand Inc., Buffalo, N. Y. File folders. Serial Nos. 441,369–70; May 6. Class 37.
Remington Rand Inc., Buffalo, N. Y. File folders. Serial No. 441,372; May 6. Class 37.
Rich Chemical Co., The. (See Finkelstein, Meyer.)
Rosenholz, J., Inc., New York, N. Y. Piece goods. Serial No. 441,182; May 6. Class 42.
Russell Electric Company, Chicago, Ill. Fans and fan air circulators. Serial No. 440,427; May 6. Class 34.
Saab, Anna, New York, N. Y. Women's, misses', and children's underwear. Serial No. 441,488; May 6. Class 39.
Saco-Lowell Shops, Boston, Mass. Textile machinery and parts thereof. Serial No. 440,293; May 6. Class 23.
Santa Ana Tustin Mutual Citrus Assn., Tustin, Calif. Citrus fruit. Serial No. 440,060; May 6. Class 46.
Saukville Canning Co., Milwaukee and Saukville, Wis. Canned vegetables. Serial No. 440,882; May 6. Class 46.
Scher & Feldman. (See Feldman, Joseph.)
Scholts, Wm. G., Los Angeles, Calif. Bread, cookies, cakes, etc. Serial No. 427,722; May 6. Class 46.
Seymour Packing Company, Topeka, Kans. Poultry mash feed, and mixed poultry feeds, etc. Serial No. 432,159; May 6. Class 46.
Shipman & Baker Co., New York, N. Y. Misses' and junior coats and suits. Serial No. 439,908; May 6. Class 39.
Shott Manufacturing Company, The, Cincinnati, Ohio. Outdoor furniture. Serial No. 441,260; May 6. Class 32.
Siegel, Jacob, Company, Philadelphia, Pa. Men's overcoats. Serial No. 439,841; May 6. Class 39.
Simon, Franklin, & Co. Inc., New York, N. Y. Women's and misses' shoes. Serial No. 428,386; May 6. Class 39.
Simon, Franklin, & Co. Inc., New York, N. Y. Women's and misses' shoes. Serial No. 428,807; May 6. Class 39.
Smith, Arthur E., Los Angeles, Calif. Local anesthetizing, nerve blocking tablets and powders, etc. Serial No. 441,112; May 6. Class 6.
Solo Products Corporation, New York, N. Y. Hair nets. Serial No. 440,964; May 6. Class 39.
Spaulding Bakeries, Inc., Binghamton, N. Y. Bakery products. Serial No. 416,659; May 6. Class 46.
Spink, Charles C., & Son. (See Sporting News Publishing Company.)
Spir-It, Inc., Malden, Mass. Non-metallic spoons. Serial No. 440,102; May 6. Class 23.
Sporting News Publishing Company, The, doing business as Charles C. Spink & Son, St. Louis, Mo. Newspaper column. Serial No. 441,000; May 6. Class 38.
Squibb, E. R., & Sons, New York, N. Y. Vitaminic preparations. Serial No. 441,553; May 6. Class 6.
Squibb, E. R., & Sons, New York, N. Y. Estrogenic preparations. Serial No. 441,791; May 6. Class 6.
Statler Tissue Co., Somerville, Mass. Paper towels. Serial No. 440,065; May 6. Class 37.
Stein, A., & Company, Chicago, Ill. Brassières and foundation garments. Serial No. 440,965; May 6. Class 39.

Stein-Hall Manufacturing Company, Chicago, Ill. Wheat endosperm. Serial No. 440,137; May 6. Class 46.
Sten, Walter G., doing business as Granite Beverage Co., New York, N. Y. Maltless beverage. Serial No. 439,732; May 6. Class 45.
Stetson, John B., Company, Philadelphia, Pa. Hats and caps for men, etc. Serial No. 440,476; May 6. Class 39.
Stewart, Howard D., New York, N. Y. Magazine published monthly. Serial No. 439,910; May 6. Class 38.
Susquehanna Waist Company. (See Netzky, William.)
Terrell, Mamie L., Chicago, Ill. Hair oil, pressing oil, hair-curling fluid, etc. Serial No. 440,067; May 6. Class 6.
Time, Incorporated, New York, N. Y. Weekly magazine. Serial No. 441,003; May 6. Class 38.
Tom Thumb Shops, Inc., Washington, D. C. Sandwiches. Serial No. 426,717; May 6. Class 46.
Tomalene Manufacturing Company, Lock Haven, Pa. Saponaceous cleanser. Serial No. 432,904; May 6. Class 4.
Tong, George C., doing business as Veg-O-Sea Products, St. Louis, Mo. Dehydrated edible sea vegetables and dehydrated uncooked vegetables. Serial No. 438,912; May 6. Class 46.
Towne Talk Company, Los Angeles, Calif. Syrups, extracts, and flavors for making beverages. Serial No. 441,419; May 6. Class 45.
United Co-Operatives, Inc., Indianapolis, Ind. Binder twine. Serial No. 429,015; May 6. Class 7.
Vandam, Albert H., Co., Inc., New York, N. Y. Cotton piece goods. Serial No. 441,336; May 6. Class 42.
Vandam, Albert H., Co., Inc., New York, N. Y. Cotton piece goods. Serial No. 441,420; May 6. Class 42.
Veg-O-Sea Products. (See Tong, George C.)
Westfeldt Brothers, New Orleans, La. Coffee. Serial No. 440,969; May 6. Class 46.
White & Wyckoff Mfg. Co., Holyoke, Mass. Greeting cards. Serial No. 441,066; May 6. Class 38.
Weekly, Conrad G., Port Washington, Long Island, N. Y. Display board for stretching shirts. Serial No. 441,339; May 6. Class 50.
Young, James H., Alameda, Calif. Editorials appearing in a daily newspaper. Serial Nos. 440,483–4; May 6. Class 38.
Zastrow, Albert H., Grants Pass, Oreg. Liquid preparation for dandruff, scalp scale and itchy scalp. Serial No. 442,082; May 6. Class 6.
Zekind, Charles, doing business as Bedford Drug & Chemical Company, New York, N. Y. Scalp, skin, and hair lotion. Serial No. 438,059; May 6. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

A. A. Quality Products, Inc., New York, N. Y. Edible gelatin. 387,154; May 6; Serial No. 435,109; published Feb. 25, 1941. Class 46.
Abbott Laboratories, North Chicago, Ill. Capsules containing medicinal preparations. 387,243; May 6; Serial No. 439,611; published Feb. 25, 1941. Class 2.
Abilene Flour Mills Company, The, Abilene, Kans. Wheat flour. 387,181; May 6; Serial No. 437,610; published Feb. 25, 1941. Class 46.
Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Ceramic dinnerware. 387,205; May 6; Serial No. 438,525; published Feb. 25, 1941. Class 30.
Ambrosia Chocolate Company, Milwaukee, Wis. Prepared chocolate powder. 387,145; May 6; Serial No. 432,368; published Feb. 25, 1941. Class 46.
American Fruit Growers Incorporated, Wilmington, Del., and Pittsburgh, Pa. Fresh fruits, fresh vegetables, fresh melons, etc. 387,138; May 6; Serial No. 430,011; published Feb. 25, 1941. Class 46.
American Reenforced Paper Company, Attleboro, Mass. Sheathing. 387,270; May 6. Class 12.
American Tissue Mills, Holyoke, Mass. Paper napkins and tablecloths. 387,169; May 6; Serial No. 437,162; published Feb. 25, 1941. Class 37.
Anaconda Wire & Cable Company, New York, N. Y. Insulated electrical wire and cable. 387,230; May 6; Serial No. 439,148; published Feb. 25, 1941. Class 21.
Anderson, Margaret L., Springfield, Ill. Window guards. 387,130; May 6; Serial No. 425,874; published Feb. 25, 1941. Class 12.
Artistic Foundations, Inc., New York, N. Y. Girdles, corsets, and brassières, etc. 387,227; May 6; Serial No. 439,035; published Feb. 25, 1941. Class 39.
B. & T. Floor Company, The, Columbus, Ohio. Building trim to be used in interior finishing and decorating. 387,142; May 6; Serial No. 432,022; published Feb. 25, 1941. Class 12.
Babson Bros. Co., doing business as Babson Bros., Chicago, Ill. Milk coolers and parts thereof. 387,233; May 6; Serial No. 439,188; published Feb. 25, 1941. Class 31.
Bagbox. (See Ferrante, Sante J.)
Bandage Products Corporation, Baltimore, Md. Bandages and finger bands. 387,256; May 6. Class 44.
Barnhardt Manufacturing Company, Charlotte, N. C. Thermal insulation materials. 387,204; May 6; Serial No. 438,498; published Feb. 25, 1941. Class 12.
Bausch & Lomb Optical Company, Rochester, N. Y. Goggle lenses. 387,234; May 6; Serial No. 439,192; published Feb. 25, 1941. Class 26.
Beacon Manufacturing Company, Swannanoa, N. C. Blankets. 387,251; May 6. Class 42.
Bear Brand Hosiery Co., Kankakee and Chicago, Ill. Hosiery. 387,249; May 6. Class 39.
Behr-Manning Corporation, Troy, N. Y. Coated abrasives. 387,133; May 6; Serial No. 426,639; published Feb. 25, 1941. Class 4.
Berghoff Brewing Corporation, Fort Wayne, Ind. Ale. 387,224; May 6; Serial No. 438,974; published Feb. 25, 1941. Class 48.
Better Products Company. (See Brewer, Raymond.)
Blickman, S., Inc., Weehawken, N. J. Heated food tables and food containers therefor. 387,136; May 6; Serial No. 428,856; published Sept. 24, 1940. Class 34.
Bon Marche, The. (See Allied Stores Corporation.)
Bozeman Canning Co., Mount Vernon, Wash. Canned peas. 387,260–2; May 6. Class 46.
Break Enterprises, Inc., New York, N. Y. Candy bars. 387,131; May 6; Serial No. 426,244; published Feb. 25, 1941. Class 46.
Brewer, Raymond, doing business as Better Products Company, Marion, Ind. Razor blades. 387,231; May 6; Serial No. 439,154; published Feb. 25, 1941. Class 23.
Burkhardt-Warner Incorporated, New York, N. Y. Wrapping paper, paper napkins, desk pads, etc. 387,210; May 6; Serial No. 438,606; published Feb. 25, 1941. Class 37.
Burkhardt-Warner Incorporated, New York, N. Y. Greeting cards, Christmas cards, picture cards, etc. 387,212; May 6; Serial No. 438,607; published Feb. 18, 1941. Class 38.
Carson Pirie Scott & Company, Chicago, Ill. Closet accessories—namely, pot stands and garment hangers, statuettes and plaster plaques. 387,174; May 6; Serial No. 437,301; published Feb. 25, 1941. Class 50.
Carson Pirie Scott & Company, Chicago, Ill. Ready mixed paints. 387,178; May 6; Serial No. 437,435; published Feb. 25, 1941. Class 16.
Carson Pirie Scott & Company, Chicago, Ill. Wax candles. 387,188; May 6; Serial No. 438,194; published Feb. 18, 1941. Class 15.
Celanese Corporation of America, New York, N. Y. Piece goods. 387,237; May 6; Serial No. 439,384; published Feb. 25, 1941. Class 42.
Certified Chrome Furniture Company. (See Greitzer, Meyer.)
Champion Racing Plate Company, Huntington Park, Calif. Animal shoe. 387,228; May 6; Serial No. 439,041; published Feb. 25, 1941. Class 3.
Charles Herman Company. (See Salz, Herman C.)
Christie, W. R., Presque Isle, Maine. Seed potatoes. 387,186; May 6; Serial No. 438,122; published Feb. 25, 1941. Class 1.
Circo Products Company, Cleveland, Ohio. Apparatus for steam cleaning automobile engines and its parts. 387,171; May 6; Serial No. 437,272; published Feb. 25, 1941. Class 23.
Columbia Protektosite Co., Inc., Carlstadt, N. J. Hair combs. 387,254; May 6. Class 40.
Continental Radio and Television Corp., assignor to Continental Radio and Television Corporation, Chicago, Ill. Antenna. 387,164; May 6; Serial No. 436,686; published Dec. 17, 1940. Class 21.
Cooley, Bernard H., New York, N. Y. Canned sea food products. 387,157; May 6; Serial No. 435,893; published Dec. 17, 1940. Class 46.
Cosmos Dental Products, Inc., New York, N. Y. Synthetic resin denture base materials. 387,244; May 6; Serial No. 439,691; published Feb. 25, 1941. Class 44.
Danco Brokerage Corp., New York, N. Y. Pipes. 387,247; May 6. Class 8.
Davis Bros. Fisheries Co., Inc., Gloucester, Mass. Canned fish and packaged salt fish. 387,175–6; May 6; Serial Nos. 437,304–5; published Feb. 25, 1941. Class 46.
Day & Young, Santa Clara, Calif. Fresh pears. 387,194; May 6; Serial No. 438,379; published Feb. 25, 1941. Class 46.
Dee Jay Hat Company, New York, N. Y. Ladies' hats. 387,128; May 6; Serial No. 424,122; published Feb. 25, 1941. Class 39.
Devonshire Jr. Inc., New York, N. Y. Dresses and dress ensembles. 387,219; May 6; Serial No. 438,834; published Feb. 25, 1941. Class 39.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 387,199; May 6; Serial No. 438,471; published Feb. 25, 1941. Class 37.
Empire Twine and Yarn Company, Inc., New York, N. Y. Twine. 387,209; May 6; Serial No. 438,567; published Feb. 25, 1941. Class 7.

Exeter Select Groves, Exeter, Calif. Citrus fruits. 387,200; May 6; Serial No. 438,473; published Feb. 25, 1941. Class 46.
Fawcett Publications, Inc., Greenwich, Conn. Publication. 387,266; May 6. Class 38.
Ferrante, Sante J., doing business as Bagbox, Passaic, N. J. Paper bags. 387,259; May 6. Class 2.
Flintokote Company, The, New York, N. Y. Roofing shingles. 387,125; May 6; Serial No. 414,873; published Feb. 25, 1941. Class 12.
Forest City Knitting Company, Rockford, Ill. Hosiery. 387,135; May 6; Serial No. 428,072; published Feb. 25, 1941. Class 39.
Fox Publications, Inc., New York, N. Y. Magazine. 387,167; May 6; Serial No. 436,802; published Feb. 25, 1941. Class 38.
Freedman, Benjamin H., doing business as Unicon Cash Control Systems, New York, N. Y. Printed strip tickets. 387,182; May 6; Serial No. 437,675; published Feb. 25, 1941. Class 38.
Gaffers and Sattler, Los Angeles, Calif. Clocks. 387,146; May 6; Serial No. 433,605; published Feb. 25, 1941. Class 27.
Gair, Robert, Company, Inc., New York, N. Y. Boxboard, paperboard, cardboard, and wallboard. 387,268; May 6. Class 37.
Gaylord Container Corporation, St. Louis, Mo. Paper bags. 387,239; May 6; Serial No. 439,439; published Feb. 25, 1941. Class 2.
General Electric Company, Schenectady, N. Y. Dynamo-electric machines. 387,225; May 6; Serial No. 439,019; published Feb. 25, 1941. Class 21.
General Mills, Inc., Minneapolis, Minn. Printed recipe cards. 387,272; May 6. Class 38.
General Tire & Rubber Company, The, Akron, Ohio. Polishes possessing the incidental properties of a cleaner and used for polishing automobiles, etc. 387,122; May 6; Serial No. 381,611; published Feb. 25, 1941. Class 16.
Gold Seal Importers. (See Newman, Joseph J.)
Gosman Company, The, Baltimore, Md. Maltless beverages and syrups, extracts, and flavors used in making same. 387,271; May 6. Class 45.
Greitzer, Meyer, doing business as Certified Chrome Furniture Company, Los Angeles, Calif. Tables and table tops. 387,202; May 6; Serial No. 438,878; published Feb. 25, 1941. Class 32.
Hammermill Paper Company, Erie, Pa. Home recording discs. 387,232; May 6; Serial No. 439,161; published Feb. 25, 1941. Class 36.
Hammond Aircraft Corporation, South San Francisco, Calif. Air conditioning units. 387,258; May 6. Class 34.
Hawley & Hoops, New York, N. Y. Candy. 387,196; May 6; Serial No. 438,438; published Feb. 25, 1941. Class 46.
Henriques, Mark M., doing business as S. E. P. Oil & Grease Co., Los Angeles, Calif. Lubricating oils and greases. 387,222; May 6; Serial No. 438,881; published Feb. 25, 1941. Class 15.
Hiller Industries, San Francisco, Calif. Toy automobile racing cars. 387,168; May 6; Serial No. 437,065; published Feb. 25, 1941. Class 22.
Hurlbut Paper Company, South Lee, Mass. Writing paper. 387,170; May 6; Serial No. 437,174; published Feb. 25, 1941. Class 37.
Hygrade Food Products Corporation, New York, N. Y. Canned cooked ham. 387,257; May 6. Class 46.
Insulite Company, The, Minneapolis, Minn. Fiber board. 387,134; May 6; Serial No. 427,712; published Feb. 18, 1941. Class 12.
International Silver Company, Meriden, Conn. Silver-plated flatware. 387,250; May 6. Class 28.
Irwill Knitwear Corp., New York, N. Y. Sweaters and playsuits. 387,158; May 6; Serial No. 435,980; published Feb. 25, 1941. Class 39.
Johnson, S. C., & Son, Inc., Racine, Wis. Cleaner for removing blemishes, white rings, scratches, and other stains from wood surfaces. 387,149; May 6; Serial No. 434,237; published Feb. 25, 1941. Class 4.
Johnson, S. C., & Son, Inc., Racine, Wis. Liquid polish for finishing and coating floors and other surfaces of wood, linoleum, etc. 387,150; May 6; Serial No. 434,238; published Feb. 25, 1941. Class 16.
Jones, Bob, assignor to G. W. Weatherly, Portland, Oreg. Frozen confections. 387,127; May 6; Serial No. 421,654; published Feb. 25, 1941. Class 46.
Kaplan, I. M., Inc., Boston, Mass. Leather. 387,201; May 6; Serial No. 438,484; published Feb. 25, 1941. Class 1.
Kohn, Louis, New York, N. Y. Shirts and pants. 387,220; May 6; Serial No. 438,845; published Feb. 25, 1941. Class 39.
Land O'The Sky Mutual Association, Inc., Waynesville, N. C. Canned vegetables. 387,214–16; May 6; Serial Nos. 438,858–60; published Feb. 25, 1941. Class 46.
Lane Publishing Co., San Francisco, Calif. Magazine column. 387,143–4; May 6; Serial Nos. 432,138–9; published Feb. 25, 1941. Class 38.
Lefcort Hosiery Co., Inc., New York, N. Y. Hosiery. 387,242; May 6; Serial No. 439,600; published Feb. 25, 1941. Class 39.
Le Tourneau, R. G., Inc., Peoria, Ill., and Stockton, Calif. Trailer trucks. 387,159; May 6; Serial No. 436,088; published Feb. 25, 1941. Class 19.
Lightning Fasteners, Limited, Birmingham, England. Separable fasteners of the slider controlled type. 387,140–1; May 6; Serial Nos. 431,419–20; published Feb. 25, 1941. Class 13.
Linette Co., The. (See Lubow, Hyman.)
Loblaw Groceterias, Inc., Buffalo, N. Y. Mayonnaise. 387,217; May 6; Serial No. 438,808; published Feb. 25, 1941. Class 46.
Lockhart, W. M., & Son, Orland, Calif. Olive oil. 387,269; May 6. Class 46.
Lubow, Hyman, doing business as The Linette Co., New York, N. Y. Piece goods. 387,273; May 6. Class 42.
Manning, John A., Paper Company, Inc., Troy, N. Y. Tissue paper, saturating paper and vellum paper. 387,161; May 6; Serial No. 436,395; published Feb. 25, 1941. Class 37.
Marshall Field & Company, Chicago, Ill. Juvenile velocipedes and scooters. 387,195; May 6; Serial No. 438,386; published Feb. 25, 1941. Class 22.
Masonite Corporation, Chicago, Ill. Heat and sound insulating material. 387,183; May 6; Serial No. 437,827; published Feb. 18, 1941. Class 12.
Millhiser Bag Co., Inc., Richmond, Va. Cotton bags. 387,252; May 6. Class 2.
Moon-Glow Garment Co., Los Angeles, Calif. Clothing. 387,155; May 6; Serial No. 435,174; published Feb. 25, 1941. Class 39.
National Iron Works, San Diego, Calif. Coupling. 387,265; May 6. Class 13.
National Office Supply Company, Waukegan, Ill. Printed forms to be used for keeping records. 387,190; May 6; Serial No. 438,274; published Feb. 25, 1941. Class 37.
National Silk Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. 387,246; May 6. Class 39.
New Kenmore Frocks, Inc., New York, N. Y. Dresses. 387,203; May 6; Serial No. 438,491; published Feb. 25, 1941. Class 39.
Newman, Joseph J., doing business as Gold Seal Importers, New York, N. Y. Ladies' hand bags. 387,163; May 6; Serial No. 436,622; published Feb. 25, 1941. Class 3.
Newspaper PM, Inc., The, New York, N. Y. Column in a Sunday newspaper. 387,206; May 6; Serial No. 438,547; published Feb. 18, 1941. Class 38.
O. K. Service Station. (See Weisskopf, Raymond H.)
Olson, Kenneth E., Racine, Wis. Publications relating to aviation, etc., issued from time to time. 387,124; May 6; Serial No. 414,309; published Feb. 18, 1941. Class 38.
Orbis Products Corporation, New York, N. Y. Seaweed extracts adapted for thickening adhesive. 387,147; May 6; Serial No. 433,791; published Feb. 25, 1941. Class 5.
Paper Manufacturers Co., Inc., Philadelphia, Pa. Gummed paper. 387,184; May 6; Serial No. 437,955; published Feb. 25, 1941. Class 37.
Parents' Institute, Inc., The, New York, N. Y. Column or section in a monthly magazine. 387,192; May 6; Serial No. 438,351; published Feb. 18, 1941. Class 38.
Parfums Schiaparelli, Inc., New York, N. Y. Cigarettes. 387,213; May 6; Serial No. 438,625; published Feb. 25, 1941. Class 17.
Pêcheurs Unis de Quebec, Gaspe, Quebec, Canada. Fresh, frozen, canned, dried, or salted fish. 387,191; May 6; Serial No. 438,280; published Feb. 25, 1941. Class 46.
Peck, Stow & Wilcox Company, The, Southington, Conn. Tools and sets of tools. 387,166; May 6; Serial No. 436,094; published Feb. 25, 1941. Class 23.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Pajamas and sleepers. 387,221; May 6; Serial No. 438,851; published Feb. 25, 1941. Class 39.
Pepsodent Co., The, Chicago, Ill. Tooth brushes. 387,211; May 6; Serial No. 438,583; published Feb. 25, 1941. Class 29.
Person's Index Facts on File, Inc., New York, N. Y. Weekly periodical. 387,187; May 6; Serial No. 438,150; published Feb. 18, 1941. Class 38.
Petri Cigar Co., Inc., San Francisco, Calif. Tobacco products. 387,223; May 6; Serial No. 438,900; published Feb. 25, 1941. Class 17.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour and rye flour. 387,197; May 6; Serial No. 438,450; published Feb. 25, 1941. Class 46.
Pioneer Hi-Bred Corn Company, Des Moines, Iowa. Live poultry. 387,198; May 6; Serial No. 438,451; published Feb. 25, 1941. Class 46.
Plumb, Charles C., doing business as C. C. Plumb Company, Providence, R. I. Asphaltic road construction and maintenance materials. 387,245; May 6; Serial No. 438,084; published Feb. 18, 1941. Class 12.
Precision Buildings, Inc., Rocky River, Ohio. Prefabricated building units. 387,189; May 6; Serial No. 438,248; published Feb. 18, 1941. Class 12.
Pure Oil Company, The, Chicago, Ill. Gasoline and motor fuel oils. 387,129; May 6; Serial No. 424,148; published Feb. 25, 1941. Class 15.
Recorg Supply Corporation, Chicago, Ill. Granulated soap and laundry soap. 387,263; May 6. Class 4.
Richardson Corporation, Rochester, N. Y. Butter fudge chocolate, cocoa powder, bittersweet cocoa, etc. 387,248; May 6. Class 46.
Riley Penn Oil Company, Burlington, Iowa. Lubricating oils and greases. 387,177; May 6; Serial No. 437,352; published Feb. 25, 1941. Class 15.

Rockland Dental Co., Inc., Sparkill, N. Y. Acrylic materials. 387,240; May 6; Serial No. 439,521; published Feb. 25, 1941. Class 44.
Ronald Fabrics Incorporated, New York, N. Y. Rayon piece goods. 387,236; May 6; Serial No. 439,365; published Feb. 25, 1941. Class 42.
Rossotti Lithographing Co. Inc., North Bergen, N. J. Printed labels. 387,255; May 6. Class 38.
Roto Rooter Corporation, Des Moines, Iowa. Drain pipe cleaners. 387,226; May 6; Serial No. 439,027; published Feb. 25, 1941. Class 23.
S. E. P. Oil & Grease Co. (See Henriques, Mark M.)
Salz, Herman C., doing business as Charles Herman Company, New York, N. Y. Soap flakes. 387,241; May 6; Serial No. 439,524; published Feb. 25, 1941. Class 4.
San Antonio Orchard Co., Ontario, Calif. Citrus fruits, deciduous fruits, and vegetables. 387,264; May 6. Class 46.
Screw Machine Products Company, Inc., Providence, R. I. Automatic telephone instruments, and parts thereof. 387,253; May 6. Class 21.
Shelby Cycle Company, The, Shelby, Ohio. Bicycle action exercising machines. 387,185; May 6; Serial No. 438,022; published Feb. 25, 1941. Class 22.
Smith, J. W., & Sons, New York, N. Y. Men's suits. 387,193; May 6; Serial No. 438,358; published Feb. 25, 1941. Class 39.
Snyder, A. Russell, doing business as Snyder Milling Company, Nazareth, Pa. Poultry feeds. 387,207; May 6; Serial No. 438,555; published Feb. 25, 1941. Class 46.
Snyder Milling Company. (See Snyder, A. Russell.)
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Refined petroleum oils. 387,153; May 6; Serial No. 434,674; published Feb. 18, 1941. Class 15.
Sorel Silks Corporation, New York, N. Y. Silk, satin, rayon, etc., fabrics and mixtures thereof. 387,229; May 6; Serial No. 439,080; published Feb. 25, 1941. Class 42.
Spaight, Harold L., Cedar Rapids, Iowa. Wall reinforcing member. 387,166; May 6; Serial No. 436,780; published Feb. 25, 1941. Class 12.
Sperry-Young-Kevan, Inc., Kansas City, Mo. Syrup used as a stabilizing base for icings for bakery products. 387,180; May 6; Serial No. 437,583; published Feb. 25, 1941. Class 46.
Spezial-Maschinenfabrik "Futura" A. Wagenbach & Cie. (See Wagenbach, Anton.)
Steelform Contracting Company, San Francisco, Calif. Preparation of siliceous sand and cement. 387,139; May 6; Serial No. 431,381; published July 2, 1940. Class 12.
Stieff Company, The, Baltimore, Md. Flat and hollow tableware. 387,247; May 6. Class 28.
Street & Smith Publications, Inc., New York, N. Y. Articles published at intervals. 387,165; May 6; Serial No. 436,741; published Feb. 18, 1941. Class 38.
Terry Candy Company, Inc., Elizabeth, N. J. Candies. 387,156; May 6; Serial No. 435,736; published Feb. 25, 1941. Class 46.
Thompson Materials Corporation, New York, N. Y. Emulsions of asphalt, water, etc., for chemically treating concrete. 387,137; May 6; Serial No. 429,377; published Oct. 29, 1940. Class 12.
Tribune Company, Chicago, Ill. Series of cartoons. 387,151; May 6; Serial No. 434,616; published Feb. 25, 1941. Class 38.
Tribune Company, Chicago, Ill. Series of cartoons. 387,152; May 6; Serial No. 434,618; published Feb. 25, 1941. Class 38.
Tribune Company, Chicago, Ill. Series of cartoons. 387,172; May 6; Serial No. 437,292; published Feb. 18, 1941. Class 38.
Unicon Cash Control Systems. (See Freedman, Benjamin H.)
United States Hoffman Machinery Corporation, New York, N. Y. Stills for the distillation of petroleum and other solvents. 387,162; May 6; Serial No. 436,454; published Feb. 25, 1941. Class 23.
Vaughan & Buschnell Mfg. Co., Chicago, Ill. Hammers. 387,148; May 6; Serial No. 433,841; published Feb. 25, 1941; Class 23.
Veldown Company, Inc., New York, N. Y. Toilet tissue. 387,123; May 6; Serial No. 405,229; published July 26, 1938. Class 37.
Wade, Clement F., Winnetka, Ill. Malted milk beverages. 387,179; May 6; Serial No. 437,487; published Feb. 25, 1941. Class 46.
Wagenbach, Anton, doing business as Spezial-Maschinenfabrik "Futura" A. Wagenbach & Cie., Wuppertal-Elberfeld, Germany. Machines and implements for bending and cutting reinforcing iron for concrete. 387,126; May 6; Serial No. 421,362; published Feb. 25, 1941. Class 23.
Wamsutta Mills, New Bedford, Mass. Cotton piece goods. 387,238; May 6; Serial No. 439,399; published Feb. 25, 1941. Class 42.
Weatherly, George W. (See Jones, Bob, assignor.)
Weisskopf, Raymond H., doing business as O. K. Service Station, Chicago, Ill. Blank coupon books. 387,132; May 6; Serial No. 426,383; published Feb. 25, 1941. Class 37.
West Kentucky Coal Company, Sturgis, Ky. Coal. 387,218; May 6; Serial No. 438,822; published Feb. 25, 1941. Class 1.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 387,208; May 6; Serial No. 438,561; published Feb. 25, 1941. Class 46.
Wilkes-Barre Lace Manufacturing Company, Wilkes-Barre, Pa., and New York, N. Y. Lace curtains and table covers. 387,235; May 6; Serial No. 439,323; published Feb. 25, 1941. Class 42.
York Ice Machinery Corporation, York, Pa. Refrigerating apparatus and parts thereof. 387,173; May 6; Serial No. 437,296; published Feb. 25, 1941. Class 31.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. West Kentucky Coal Company. 387,218; May 6; Serial No. 438,822; published Feb. 25, 1941.
Leather. I. M. Kaplan, Inc. 387,201; May 6; Serial No. 438,484; published Feb. 25, 1941.
Seed potatoes. W. R. Christie. 387,186; May 6; Serial No. 438,122; published Feb. 25, 1941.

CLASS 2

Bags, Cotton. Millhiser Bag Co. 387,252; May 6.
Bags, Paper. Gaylord Container Corporation. 387,239; May 6; Serial No. 439,439; published Feb. 25, 1941.
Bags, Paper. S. J. Ferrante. 387,259; May 6.
Capsules containing medicinal preparations. Abbott Laboratories. 387,243; May 6; Serial No. 439,611; published Feb. 25, 1941.

CLASS 3

Bags, Ladies' hand. J. J. Newman. 387,163; May 6; Serial No. 436,622; published Feb. 25, 1941.
Shoe, Animal. Champion Racing Plate Company. 387,228; May 6; Serial No. 439,041; published Feb. 25, 1941.

CLASS 4

Abrasives, Coated. Behr-Manning Corporation. 387,133; May 6; Serial No. 426,639; published Feb. 25, 1941.
Cleaner. S. C. Johnson & Son, Inc. 387,149; May 6; Serial No. 434,237; published Feb. 25, 1941.
Soap flakes. H. C. Salz. 387,241; May 6; Serial No. 439,524; published Feb. 25, 1941.
Soap, Laundry and granulated. Recorg Supply Corporation. 387,263; May 6.

CLASS 5

Seaweed extracts adapted for thickening adhesive. Orbis Products Corporation. 387,147; May 6; Serial No. 433,791; published Feb. 25, 1941.

CLASS 7

Twine. Empire Twine and Yarn Company. 387,209; May 6; Serial No. 438,567; published Feb. 25, 1941.

CLASS 8

Pipes. Danco Brokerage Corp. 387,267; May 6.

CLASS 12

Asphaltic road construction and maintenance materials. C. C. Plumb. 387,245; May 6; Serial No. 438,084; published Feb. 18, 1941.
Building units, Prefabricated. Precision Buildings, Inc. 387,189; May 6; Serial No. 438,248; published Feb. 18, 1941.
Emulsions of asphalt, water, etc., for chemically treating concrete. Thompson Materials Corporation. 387,137; May 6; Serial No. 429,377; published Oct. 29, 1940.
Fiber board. Insulite Company. 387,134; May 6; Serial No. 427,712; published Feb. 18, 1941.
Insulating material, Heat and sound. Masonite Corporation. 387,183; May 6; Serial No. 437,827; published Feb. 18, 1941.
Preparation of siliceous sand and cement. Steelform Contracting Company. 387,139; May 6; Serial No. 431,381; published July 2, 1940.
Sheathing. American Reenforced Paper Company. 387,270; May 6.
Shingles, Roofing. Flintokote Company. 387,125; May 6; Serial No. 414,873; published Feb. 25, 1941.
Thermal insulation materials. Barnhardt Manufacturing Company. 337,204; May 6; Serial No. 438,498; published Feb. 25, 1941.
Trim to be used in interior finishing and decorating, Building. B. & T. Floor Company. 387,142; May 6; Serial No. 432,022; published Feb. 25, 1941.
Wall reinforcing member. H. L. Spaight. 387,166; May 6; Serial No. 436,780; published Feb. 25, 1941.
Window guards. M. L. Anderson. 387,130; May 6; Serial No. 425,874; published Feb. 25, 1941.

CLASS 13

Coupling. National Iron Works. 387,265; May 6.
Fasteners of the slider controlled type, Separable. Lightning Fasteners, Limited. 387,140–1; May 6; Serial Nos. 431,419–20; published Feb. 25, 1941.

CLASS 15

Candles, Wax. Carson Pirie Scott & Company. 387,188; May 6; Serial No. 438,194; published Feb. 18, 1941.
Gasoline and motor fuel oils. Pure Oil Company. 387,129; May 6; Serial No. 424,148; published Feb. 25, 1941.
Oils and greases, Lubricating. M. M. Henriques. 387,222; May 6; Serial No. 438,881; published Feb. 25, 1941.
Oils and greases, Lubricating. Riley Penn Oil Company. 387,177; May 6; Serial No. 437,352; published Feb. 25, 1941.
Oils, Refined petroleum. Socony-Vacuum Oil Company. 387,153; May 6; Serial No. 434,674; published Feb. 18, 1941.

CLASS 16

Paints, Ready mixed. Carson Pirie Scott & Company. 387,178; May 6; Serial No. 437,435; published Feb. 25, 1941.
Polish for finishing and coating floors and other surfaces of wood, linoleum, etc., Liquid. S. C. Johnson & Son, Inc. 387,150; May 6; Serial No. 434,238; published Feb. 25, 1941.
Polishes possessing the incidental properties of a cleaner and used for polishing automobiles, etc. General Tire & Rubber Company. 387,122; May 6; Serial No. 381,611; published Feb. 25, 1941.

CLASS 17

Cigarettes. Parfums Schiaparelli, Inc. 387,213; May 6; Serial No. 438,625; published Feb. 25, 1941.
Tobacco products. Petri Cigar Co. 387,223; May 6; Serial No. 438,900; published Feb. 25, 1941.

CLASS 19

Trailer trucks. R. G. Le Tourneau, Inc. 387,159; May 6; Serial No. 436,088; published Feb. 25, 1941.

CLASS 21

Antenna. Continental Radio and Television Corp. 387,164; May 6; Serial No. 436,686; published Dec. 17, 1940.
Dynamo-electric machines. General Electric Company. 387,225; May 6; Serial No. 439,019; published Feb. 25, 1941.
Telephone instruments, and parts thereof. Automatic Screw Machine Products Company. 387,253; May 6.
Wire and cable, Insulated electrical. Anaconda Wire & Cable Company. 387,230; May 6; Serial No. 439,148; published Feb. 25, 1941.

CLASS 22

Bicycle action exercising machines. Shelby Cycle Company. 387,185; May 6; Serial No. 438,022; published Feb. 25, 1941.
Toy automobile racing cars. Hiller Industries. 387,168; May 6; Serial No. 437,065; published Feb. 25, 1941.
Velocipedes and scooters. Marshall Field & Company. 387,195; May 6; Serial No. 438,386; published Feb. 25, 1941.

CLASS 23

Apparatus for steam cleaning automobile engines and its parts. Circo Products Company. 387,171; May 6; Serial No. 437,272; published Feb. 25, 1941.
Hammers. Vaughan & Buschnell Mfg. Co. 387,148; May 6; Serial No. 433,841; published Feb. 25, 1941.
Machines and implements for bending and cutting reinforcing iron for concrete. A. Wagenbach. 387,126; May 6; Serial No. 421,362; published Feb. 25, 1941.
Pipe cleaners, Drain. Roto Rooter Corporation. 387,226; May 6; Serial No. 439,027; published Feb. 25, 1941.
Razor blades. R. Brewer. 387,231; May 6; Serial No. 439,154; published Feb. 25, 1941.
Stills for the distillation of petroleum and other solvents. United States Hoffman Machinery Corporation. 387,162; May 6; Serial No. 436,454; published Feb. 25, 1941.
Tools and sets of tools. Peck, Stow & Wilcox Company. 387,160; May 6; Serial No. 436,094; published Feb. 25, 1941.

CLASS 26

Goggle lenses. Bausch & Lomb Optical Company. 387,234; May 6; Serial No. 439,192; published Feb. 25, 1941.

CLASS 27

Clocks. Gaffers and Sattler. 387,146; May 6; Serial No. 433,605; published Feb. 25, 1941.

CLASS 28

Flatware, Silverplated. International Silver Company. 387,250; May 6.
Tableware, Flat and hollow. Stieff Company. 387,247; May 6.

CLASS 29

Tooth brushes. Pepsodent Co. 387,211; May 6; Serial No. 438,583; published Feb. 25, 1941.

CLASS 30

Dinnerware, Ceramic. Allied Stores Corporation. 387,205; May 6; Serial No. 438,525; published Feb. 25, 1941.

CLASS 31

Coolers and parts thereof, Milk. Babson Bros. Co. 387,233; May 6; Serial No. 439,188; published Feb. 25, 1941.
Refrigerating apparatus and parts thereof. York Ice Machinery Corporation. 387,173; May 6; Serial No. 437,296; published Feb. 25, 1941.

CLASS 32

Tables and table tops. M. Greitzer. 387,202; May 6; Serial No. 438,878; published Feb. 25, 1941.

CLASS 34

Air conditioning units. Hammond Aircraft Corporation. 387,258; May 6.
Tables and food containers therefor, Heated food. S. Blickman, Inc. 387,136; May 6; Serial No. 428,856; published Sept. 24, 1940.

CLASS 36

Recording discs, Home. Hammermill Paper Company. 387,232; May 6; Serial No. 439,161; published Feb. 25, 1941.

CLASS 37

Blank coupon books. R. H. Weisskopf. 387,132; May 6; Serial No. 426,383; published Feb. 25, 1941.
Boxboard, paperboard, cardboard, and wallboard. Robert Gair Company. 387,268; May 6.
Forms to be used for keeping records, Printed. National Office Supply Company. 387,190; May 6; Serial No. 438,274; published Feb. 25, 1941.
Paper, Gummed. Paper Manufacturers Co. 387,184; May 6; Serial No. 437,955; published Feb. 25, 1941.
Paper napkins and tablecloths. American Tissue Mills. 387,169; May 6; Serial No. 437,102; published Feb. 25, 1941.
Paper, saturating paper, and vellum paper, Tissue. John A. Manning Paper Company. 387,161; May 6; Serial No. 436,395; published Feb. 25, 1941.
Paper, Writing. Hurlbut Paper Company. 387,170; May 6; Serial No. 437,174; published Feb. 25, 1941.
Pencils, Lead. Joseph Dixon Crucible Company. 387,199; May 6; Serial No. 438,471; published Feb. 25, 1941.
Tissue, Toilet. Veldown Company. 387,123; May 6; Serial No. 405,229; published July 26, 1938.
Paper, paper napkins, desk pads, etc., Wrapping. Burkhardt-Warner Incorporated. 387,210; May 6; Serial No. 438,606; published Feb. 25, 1941.

CLASS 38

Articles to be published at intervals. Street & Smith Publications, Inc. 387,165; May 6; Serial No. 436,741; published Feb. 18, 1941.
Cards, Christmas cards, picture cards, etc., Greeting. Burkhardt-Warner Incorporated. 387,212; May 6; Serial No. 438,607; published Feb. 18, 1941.
Cards, Printed recipe. General Mills, Inc. 387,272; May 6.
Column in a Sunday newspaper. Newspaper PM, Inc. 387,206; May 6; Serial No. 438,547; published Feb. 18, 1941.
Column or section in a magazine. Parents' Institute, Inc. 387,192; May 6; Serial No. 438,351; published Feb. 18, 1941.
Labels, Printed. Rossotti Lithographing Co. Inc. 387,255; May 6.
Magazine. Fox Publications, Inc. 387,167; May 6; Serial No. 436,802; published Feb. 25, 1941.
Magazine column. Lane Publishing Co. 387,143–4; May 6; Serial Nos. 432,138–9; published Feb. 25, 1941.
Periodical, Weekly. Person's Index Facts on File, Inc. 387,187; May 6; Serial No. 438,150; published Feb. 18, 1941.
Piece goods. H. Lubow. 387,273; May 6.
Publication. Fawcett Publications, Inc. 387,266; May 6.
Publications relating to aviation, etc., issued from time to time. K. E. Olson. 387,124; May 6; Serial No. 414,309; published Feb. 18, 1941.
Series of cartoons. Tribune Company. 387,151; May 6; Serial No. 434,616; published Feb. 25, 1941.
Series of cartoons. Tribune Company. 387,152; May 6; Serial No. 434,618; published Feb. 25, 1941.
Series of cartoons. Tribune Company. 387,172; May 6; Serial No. 437,292; published Feb. 18, 1941.
Tickets, Printed strip. B. H. Freedman. 387,182; May 6; Serial No. 437,675; published Feb. 25, 1941.

CLASS 39

Clothing. Moon-Glow Garment Co. 387,155; May 6; Serial No. 435,174; published Feb. 25, 1941.
Dresses. New Kenmore Frocks, Inc. 387,203; May 6; Serial No. 438,491; published Feb. 25, 1941.
Dresses and dress ensembles. Devonshire Jr. Inc. 387,219; May 6; Serial No. 438,834; published Feb. 25, 1941.

Girdles, corsets, and brassières, etc. Artistic Foundations, Inc. 387,227; May 6; Serial No. 439,035; published Feb. 25, 1941.
Hats, Ladies'. Dee Jay Hat Company. 387,128; May 6; Serial No. 424,122; published Feb. 25, 1941.
Hosiery. Bear Brand Hosiery Co. 387,249; May 6.
Hosiery. Forest City Knitting Company. 387,135; May 6; Serial No. 428,072; published Feb. 25, 1941.
Hosiery. Lefcort Hosiery Co. 387,242; May 6; Serial No. 439,600; published Feb. 25, 1941.
Hosiery. National Silk Hosiery Mills, Inc. 387,246; May 6.
Pajamas and sleepers. J. C. Penney Company. 387,221; May 6; Serial No. 438,851; published Feb. 25, 1941.
Shirts and pants. L. Kohn. 387,220; May 6; Serial No. 438,845; published Feb. 25, 1941.
Suits, Men's. J. W. Smith & Sons. 387,193; May 6; Serial No. 438,358; published Feb. 25, 1941.
Sweaters and playsuits. Irwill Knitwear Corp. 387,158; May 6; Serial No. 435,980; published Feb. 25, 1941.

CLASS 40

Combs, Hair. Columbia Protektosite Co. 387,254; May 6.

CLASS 42

Blankets. Beacon Manufacturing Company. 387,251; May 6.
Cotton piece goods. Wamsutta Mills. 387,238; May 6; Serial No. 439,399; published Feb. 25, 1941.
Curtains and table covers, Lace. Wilkes-Barre Lace Manufacturing Company. 387,235; May 6; Serial No. 439,323; published Feb. 25, 1941.
Piece goods. Celanese Corporation of America. 387,237; May 6; Serial No. 439,384; published Feb. 25, 1941.
Rayon piece goods. Ronald Fabrics Incorporated. 387,236; May 6; Serial No. 439,365; published Feb. 25, 1941.
Silk, satin, rayon, etc. fabrics and mixtures thereof. Sorel Silks Corporation. 387,229; May 6; Serial No. 439,080; published Feb. 25, 1941.

CLASS 44

Acrylic materials. Rockland Dental Co. 387,240; May 6; Serial No. 439,521; published Feb. 25, 1941.
Bandages and finger bands. Bandage Products Corporation. 387,256; May 6.
Resin denture base materials, Synthetic. Cosmos Dental Products, Inc. 387,244; May 6; Serial No. 439,091; published Feb. 25, 1941.

CLASS 45

Beverages and syrups, extracts, and flavors used in making same. Gosman Company. 387,271; May 6.

CLASS 46

Butter fudge chocolate, cocoa powder, bittersweet cocoa, etc. Richardson Corporation. 387,248; May 6.
Candies. Terry Candy Company. 387,156; May 6; Serial No. 435,736; published Feb. 25, 1941.
Candy. Hawley & Hoops. 387,196; May 6; Serial No. 438,438; published Feb. 25, 1941.
Candy. Stephen F. Whitman & Son, Inc. 387,208; May 6; Serial No. 438,561; published Feb. 25, 1941.
Candy bars. Break Enterprises, Inc. 387,131; May 6; Serial No. 426,244; published Feb. 25, 1941.
Canned cooked ham. Hygrade Food Products Corporation. 387,257; May 6.
Canned, dried or salted fish. Fresh, frozen. Pêcheurs Unis de Quebec. 387,191; May 6; Serial No. 438,280; published Feb. 25, 1941.
Canned fish and packaged salt. Davis Bros. Fisheries Co. 387,175–6; May 6; Serial Nos. 437,304–5; published Feb. 25, 1941.
Canned peas. Bozeman Canning Co. 387,260–2; May 6.
Canned sea food products. B. H. Cooley. 387,157; May 6; Serial No. 435,893; published Dec. 17, 1940.
Canned vegetables. Land O'The Sky Mutual Association. 387,214–16; May 6; Serial Nos. 438,658–60; published Feb. 25, 1941.
Chocolate powder, Prepared. Ambrosia Chocolate Company. 387,145; May 6; Serial No. 432,368; published Feb. 25, 1941.
Confections. B. Jones. 387,127; May 6; Serial No. 421,654; published Feb. 25, 1941.
Feeds, Poultry. R. A. Snyder. 387,207; May 6; Serial No. 438,555; published Feb. 25, 1941.
Flour, Wheat. Abilene Flour Mills Company. 387,181; May 6; Serial No. 437,610; published Feb. 25, 1941.
Flour and rye flour, Wheat. Pillsbury Flour Mills Company. 387,197; May 6; Serial No. 438,450; published Feb. 25, 1941.
Fruits and vegetables. San Antonio Orchard Co. 387,264; May 6.
Fruits, Citrus. Exeter Select Groves. 387,200; May 6; Serial No. 438,473; published Feb. 25, 1941.
Fruits; fresh deciduous fruits, fresh vegetables, etc., Fresh citrus. American Fruit Growers Incorporated. 387,138; May 6; Serial No. 430,011; published Feb. 25, 1941.
Gelatin, Edible. A. A. Quality Products, Inc. 387,154; May 6; Serial No. 435,109; published Feb. 25, 1941.
Milk beverages, Malted. C. F. Wade. 387,179; May 6; Serial No. 437,487; published Feb. 25, 1941.
Mayonnaise. Loblaw Groceterias, Inc. 387,217; May 6; Serial No. 438,808; published Feb. 25, 1941.
Olive oil. W. M. Lockhart & Son. 387,269; May 6.
Pears, Fresh. Day & Young. 387,194; May 6; Serial No. 438,379; published Feb. 25, 1941.
Poultry, Live. Pioneer Hi-Bred Corn Company. 387,198; May 6; Serial No. 438,451; published Feb. 25, 1941.
Syrup used as a stabilizing base for icings for bakery products. Sperry-Young-Kevan, Inc. 387,180; May 6; Serial No. 437,583; published Feb. 25, 1941.

CLASS 48

Ale. Berghoff Brewing Corporation. 387,224; May 6; Serial No. 438,974; published Feb. 25, 1941.

CLASS 50

Closet accessories—namely, pot stands and garment hangers, statuettes and plaster plaques. Carson Pirie Scott & Company. 387,174; May 6; Serial No. 437,301; published Feb. 25, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF MAY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bethel, Joseph N., Epp Haven, St. Minver, England, assignor to Norton Company, Worcester, Mass. Abrasive tool. Re. 21,789; May 6.

Bruce, E. L., Company, The. (See Easling, Newton P., assignor.)

Carson, Clarence A., assignor of one-half to M. B. Seligstein, Memphis, Tenn. Elevator control-signal systems. Re. 21,790; May 6.

Easling, Newton P., Pekin, Ill., assignor to The E. L. Bruce Company, Memphis, Tenn. Termite repellent. Re. 21,791; May 6.

MacLean-Fogg Lock Nut Company. (See MacLean, John A., assignor.)

MacLean, John A., deceased, by MacLean-Fogg Lock Nut Company, Chicago, Ill., assignee. Floor clip and making same. Re. 21,792; May 6.

MacLean, John A., deceased, by MacLean-Fogg Lock Nut Company, Chicago, Ill., assignee. Floor clip and making same. Re. 21,793; May 6.

Marley Company, The. (See Mart, Leon T., assignor.)

Mart, Leon T., Mission Township, Johnson County, assignor to The Marley Company, Kansas City, Kans. Cooling tower. Re. 21,794; May 6.

Norton Company. (See Bethel, Joseph N., assignor.)

Seligstein, Dr. Milton B. (See Carson, Clarence A., assignor.)

Verderber, Joseph, Cleveland, Ohio. Machine tool. Re. 21,795; May 6.

LIST OF DESIGN PATENTEES

Albright, Raymond W., assignor to American Anode Inc., Akron, Ohio. Combination water bottle and ice bag or similar article. 126,970; May 6.

Albright, Raymond W., assignor to American Anode Inc., Akron, Ohio. Combination water and ice bag or similar article. 126,971; May 6.

American Anode Inc. (See Albright, Raymond W., assignor.)

Angell, Robert C., Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company. Folding dental chair. 127,080; May 6.

Avandoglio, Favorina, New York, N. Y. Sock. 126,972; May 6.

Bass, William, New York, N. Y. Dress. 127,081; May 6.

Bass, William, New York, N. Y. Dress. 127,082; May 6.

Beispel, Herman, New York, N. Y. Dress or similar article. 127,029; May 6.

Beispel, Herman, New York, N. Y. Textile fabric or similar article. 127,065; May 6.

Beispel, Herman, New York, N. Y. Textile fabric or similar article. 127,098; May 6.

Bentzen, Max T., and J. F. Niggeler, Minneapolis, Minn. Base for poultry fount and feeder. 126,997; May 6.

Bersin, Albert, Brooklyn, N. Y. Bowling alley bench. 126,998; May 6.

Bettcher, Carl W., assignor to The Eastern Machine Screw Corporation, New Haven, Conn. Combined magnifying and illuminating device. 127,030; May 6.

Bingham, George H., Jr., assignor to Cambridge Rubber Co., Cambridge, Mass. Shoe. 127,031; May 6.

Blake, Whitney, Company, The. (See Judisch, Carl H., assignor.)

Bobrick, Arthur L., Los Angeles, Calif. Liquid soap dispenser. 127,013; May 6.

Booth, Earl C., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind. Table. 126,973; May 6.

Boucher, Marcel, New York, N. Y. Pin or similar article. 127,014; May 6.

Boucher, Marcel, New York, N. Y. Pin or similar article. 127,015; May 6.

Boyd, Katherine E., New York, N. Y. Scarf or similar article. 127,016; May 6.

Bradt, Ardon A., Niagara Falls, N. Y. Vending machine. 126,962; May 6.

Brody, Adelé, Dorchester, assignor to Murray White Company, Boston, Mass. Dress. 127,032; May 6.

Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Flexible pocket receptacle. 126,999; May 6.

Brunner, Elmer F., Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Tire. 127,000; May 6.

Buxton, Incorporated. (See Broughton, Douglas J., assignor.)

Buxton, Warner R., Longmeadow, Mass. Flexible pocket receptacle. 127,001; May 6.

Cambridge Rubber Co. (See Bingham, George H., Jr., assignor.)

Capellazzi, Gildo, Brooklyn, N. Y. Brooch or similar article. 127,017; May 6.

Cashin, Bonnie, New York, N. Y. Cape. 127,048; May 6.

Chicago Flexible Shaft Company. (See Scharfenberg, George T.)

Crowley, Daniel J., Grosse Pointe, Mich. Combined lamp and radio receiving set. 127,066; May 6.

Crowley, Daniel J., Grosse Pointe, Mich. Combined lamp and radio receiving set. 127,067; May 6.

Crowley, Daniel J., Grosse Pointe, Mich. Combined lamp and radio receiving set. 127,083; May 6.

Crowley, Daniel J., Grosse Pointe, Mich. Combined lamp and radio receiving set. 127,084; May 6.

Crowley, Daniel J., Grosse Pointe, Mich. Combined lamp and radio receiving set. 127,085; May 6.

Crowley, Daniel J., Grosse Pointe, Mich. Combined lamp and radio receiving set. 127,086; May 6.

Crull, Irving W., Geneva, Ill. Bottle. 126,974; May 6.

Cummings, Israel, New York, N. Y. Textile fabric. 126,963; May 6.

Dallas, Ronald H., South Gate, assignor to Glass Containers, Inc., Los Angeles, Calif. Wine bottle. 127,007; May 6.

Dalton, Edith R., New York, N. Y. Dress ensemble. 127,087; May 6.

Dalton, Edith R., New York, N. Y. Dress ensemble. 127,088; May 6.

Dalton, Edith R., New York, N. Y. Dress ensemble. 127,089; May 6.

Darrow, Isobel, assignor to Pacific Clay Products, Los Angeles, Calif. Plate or similar article. 126,975; May 6.

Darrow, Isobel, assignor to Pacific Clay Products, Los Angeles, Calif. Plate or similar article. 126,976; May 6.

Eastern Machine Screw Corporation, The. (See Bettcher, Carl W., assignor.)

Eichler, Arthur, New York, N. Y. Textile fabric. 127,049; May 6.

Electric Household Utilities Corporation. (See Gerhardt, Andrew H., assignor.)

Faller, Rose, New York, N. Y. Textile fabric. 127,002; May 6.

Finer, Harry, Wilmington, Mass. Dress. 127,033; May 6.

Fingerhut, Abraham, New York, N. Y. Combination bracelet and watch or similar article. 127,018; May 6.

Fisher, Sylvia, New York, N. Y. Dress. 127,034; May 6.

Food Machinery Corporation. (See Paxton, Gerald C., assignor.)

Forman, Max, Atlantic City, N. J. Brooch or similar article. 127,019; May 6.

Freedman, Albert, Brooklyn, N. Y. Jewelry finding for clips or other similar articles of jewelry. 127,008; May 6.

G. G. Patent Company, The. (See Grunberg, George, assignor.)

Gas Products Corporation. (See Parker, Claude E., assignor.)

Gebhart, Lee, Coral Gables, Fla., and H. L. Ross, New York, N. Y. Pocket flask. 127,009; May 6.

Gehm, Harold M., Alton, Ill. Jar. 126,977; May 6.

General Vender Mfg. Co. (See Melchert, Charles A., assignor.)

Gerhardt, Andrew H., Niles Center, assignor to Electric Household Utilities Corporation, Chicago, Ill. Wringer feedboard. 126,978; May 6.

Gibo, Rene X., Frederick, Md., assignor to Ox Fibre Brush Company, Inc., New York, N. Y. Brush holder. 127,003; May 6.

Gill, Edward H., Memphis, Tenn., assignor to J. T. Gregory, Little Rock, Ark. Combined gas storage tank and instrument housing. 126,964; May 6.

Glass Containers, Inc. (See Dallas, Ronald H., assignor.)

Goldstein, Aaron A., assignor to The Gombo Surgical Manufacturing Corporation, Buffalo, N. Y. Table fan. 127,090; May 6.

Gomco Surgical Manufacturing Corporation, The. (See Goldstein, Aaron A., assignor.)
Graesser, Carl H., Southport, and J. V. Tracy, Fairfield, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Guage or similar article. 126,965; May 6.
Gray, Virginia, St. Louis, Mo. Suit. 127,050; May 6.
Gregory, J. T. (See Gill, Edward H., assignor.)
Grunberg, George, New York, N. Y., assignor to The G. G. Patent Company, Cincinnati, Ohio. Bottle stopper. 126,979; May 6.
Guth, Edwin F., St. Louis, Mo. Light diffuser. 126,980; May 6.
Harris, Herbert M., New York, N. Y. Dress. 127,035; May 6.
Hebert, John W., Bay City, Mich. Incinerator. 127,004; May 6.
Hill, Eleanor, New York, N. Y. Dress. 127,020; May 6.
Hill, Eleanor, New York, N. Y. Dress. 127,051; May 6.
Hill, Eleanor, New York, N. Y. Dress. 127,052; May 6.
Hill, Eleanor, New York, N. Y. Dress. 127,053; May 6.
Hill, Eleanor, New York, N. Y. Dress. 127,054; May 6.
Hill, Eleanor, New York, N. Y. Dress. 127,069; May 6.
Hill, Eleanor, New York, N. Y. Dress ensemble. 127,068; May 6.
Holsten, Judith W., New York, N. Y. Dress. 127,070; May 6.
Holsten, Judith W., New York, N. Y. Dress ensemble. 127,091; May 6.
Hoshafian, Lucy, Forest Hills, N. Y. Dress. 127,092; May 6.
Hoshafian, Lucy, Forest Hills, N. Y. Dress. 127,093; May 6.
Hoyer, John Z., Conshohocken, Pa., assignor to Kimble Glass Company, Vineland, N. J. Combined hydrometer and sleeve scale. 126,966; May 6.
Jaccarino, Concetta, Brooklyn, N. Y. Dress. 127,036; May 6.
James, Parker H., Indianapolis, Ind. Display case or the like. 126,981; May 6.
Jones, Natalie, New York, N. Y. Dress. 127,071; May 6.
Judisch, Carl H., assignor to The Whitney Blake Company, New Haven, Conn. Connector plug. 127,010; May 6.
K-D Lamp Company, The. (See Trautner, Wagn, assignor.)
Katzman, Abraham M. (See Katzman, Toby and A. M.)
Katzman, Toby, nee Masstab, and A. M. Katzman, Long Beach, N. Y. Lady's scarf. 127,094; May 6.
Kiam, Omar, New York, N. Y. Fur jacket. 127,072; May 6.
Kimble Glass Company. (See Hoyer, John Z., assignor.)
Krecker, Blanche E., Philadelphia, Pa. Prayer desk or similar article. 127,021; May 6.
Krecker, Blanche E., Philadelphia, Pa. Prayer desk or similar article. 127,022; May 6.
Krecker, Blanche E., Philadelphia, Pa. Prayer desk or similar article. 127,023; May 6.
Kruger, Max E., New York, N. Y. Table cloth or similar article. 127,099; May 6.
Lewis, Florence N., New York, N. Y. Brooch pin. 126,982; May 6.
Lisi, Frank A., Philadelphia, Pa. Tie rack. 126,983; May 6.
Maisch, Albert, New York, N. Y. Textile fabric or similar article. 127,055; May 6.
Manning, Maxwell & Moore. (See Graesser, C. H., and Tracy, assignors.)
Markman, Fred. (See Weston, Charles C., assignor.)
McCoy, Marion, St. Louis, Mo. Dress. 127,024; May 6.
McCoy, Marion, St. Louis, Mo. Dress. 127,025; May 6.
McCoy, Marion, St. Louis, Mo. Dress. 127,037; May 6.
McCoy, Marion, St. Louis, Mo. Dress. 127,038; May 6.
McCoy, Marion, St. Louis, Mo. Dress ensemble. 127,056; May 6.
McCoy, Marion, St. Louis, Mo. Dress. 127,095; May 6.
McCoy, Marion, St. Louis, Mo. Dress. 127,096; May 6.
Melchert, Charles A., assignor to General Vender Mfg. Co., Kansas City, Mo. Vending machine cover. 127,005; May 6.
Miller, Edwill B., Red Lion, Pa. Chest of drawers or similar article. 126,984; May 6.
Miller, Edwill B., Red Lion, Pa. Chest of drawers or similar article. 126,985; May 6.
Miller, Edwill B., Red Lion, Pa. Bedstead or similar article. 126,986; May 6.
Miller, Edwill B., Red Lion, Pa. Vanity body or similar article. 126,987; May 6.
Miller, Fred E. and M., Enid, Okla. Cooky cutter. 127,026; May 6.
Miller, Mollie. (See Miller, Fred E. and M.)
Murray White Company (See Brody, Adelé, assignor.)
National Button Works. (See Schneck, Jack, assignor.)
Niggeler, Jacob F. (See Bentzen, M. T., and Niggeler.)
Noblitt-Sparks Industries, Inc. (See Booth, Earl C., assignor.)
O'Brien, Hazel M., Darien, Conn., assignor to Bernhard Ulmann Co. Inc., New York, N. Y. Needlepoint tapestry fabric or similar article. 127,039; May 6.
O'Brien, Hazel M., Darien, Conn., assignor to Bernhard Ulmann Co. Inc., New York, N. Y. Needlepoint tapestry fabric or similar article. 127,040; May 6.
O'Brien, Hazel M., Darien, Conn., assignor to Bernhard Ulmann Co. Inc., New York, N. Y. Needlepoint tapestry fabric or similar article. 127,041; May 6.
Olson, Frank E., Roselle Park, N. J. Game board. 126,988; May 6.
Oppenheim, Stanley J., New York, N. Y. Table scarf or similar article. 127,100; May 6.
Ox Fibre Brush Company. (See Gibo, Rene X., assignor.)
Pacific Clay Products. (See Darrow, Isobel, assignor.)
Parker, Claude E., assignor to Gas Products Corporation, Chicago, Ill. Flame shield for cook stove top burners. 127,011; May 6.
Parnis, Mollie, New York, N. Y. Dress. 127,057; May 6.
Parnis, Mollie, New York, N. Y. Dress. 127,058; May 6.
Parnis, Mollie, New York, N. Y. Suit. 127,074; May 6.
Paxton, Gerald C., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Conveyer. 126,989; May 6.
Philippe, Alfred, New York, N. Y. Pin clip. 127,027; May 6.
Philippe, Alfred, New York, N. Y. Pin clip. 127,042; May 6.
Philippe, Alfred, New York, N. Y. Pin clip. 127,043; May 6.
Rhodes, Gilbert J., New York, N. Y. Textile fabric. 126,967; May 6.
Richards, Julia, Brooklyn, N. Y. Dress. 127,044; May 6.
Roberts, Nell, Cuyahoga Falls, Ohio. Favor. 126,990; May 6.
Rosenstein, Charles, Paterson, N. J. Textile fabric or similar article. 127,059; May 6.
Rosenstein, Charles, Paterson, N. J. Textile fabric or similar article. 127,060; May 6.
Rosenstein, Charles, Paterson, N. J. Textile fabric or similar article. 127,101; May 6.
Rosenstein, Charles, Paterson, N. J. Textile fabric or similar article. 127,102; May 6.
Rosenstein, Charles, Paterson, N. J. Textile fabric or similar article. 127,103; May 6.
Rosenstein, Charles, Paterson, N. J. Textile fabric or similar article. 127,104; May 6.
Ross, Howard L. (See Gebhart, L., and Ross.)
Rubin, Herbert, Brooklyn, N. Y. Bottle. 126,991; May 6.
Ruderman, Jack, New York, N. Y. Pin or similar article. 127,006; May 6.
Ruskin, Mabel C., Abingdon, Va. Plate or similar article. 127,075; May 6.
Ruskin, Mabel C., Abingdon, Va. Plate or similar article. 127,076; May 6.
Ruskin, Mabel C., Abingdon, Va. Plate or similar article. 127,077; May 6.
Scharfenberg, George T., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Casing for an electric cooker. 127,073; May 6.
Schneck, Jack, assignor to National Button Works, New York, N. Y. Button back. 127,012; May 6.
Schuhmann, Richard L., Louisville, Ky. Coffee grinder. 126,992; May 6.
Shepherd, Gertrude I., Portland, Oreg. Advertising sign. 126,968; May 6.
Snowise, Harry, New York, N. Y. Dress. 127,078; May 6.
Snowise, Harry, New York, N. Y. Dress. 127,079; May 6.
Tetreault, Mary E., New York, N. Y. Dress. 127,061; May 6.
Tracy, Joseph V. (See Graesser, C. H., and Tracy.)
Trautner, Wagn, Springdale, assignor to The K-D Lamp Company, Cincinnati, Ohio. Vehicle lamp. 126,993; May 6.
Uihlein, George V., Worcester, Mass. Carpet or similar article. 127,097; May 6.
Ulmann, Bernard, Co. Inc. (See O'Brien, Hazel M., assignor.)
Walker, Joset, New York, N. Y. Dress. 127,045; May 6.
Warren, Max, Anna, Ill. Combined clothes stand and lamp. 127,028; May 6.
Well, Lewis P., Cynwyd, Pa. Flower vase. 127,062; May 6.
Wein, Henry, New York, N. Y. Dress. 127,046; May 6.
Weisberg, Henry, New York, N. Y. Dress. 127,063; May 6.
Weston, Charles C., South Gate, assignor to F. Markman, Los Angeles, Calif. Finger ring. 126,994; May 6.
White, S. S., Dental Manufacturing Company, The. (See Angell, Robert C., assignor.)
Wilson, Henry S., Brooklyn, N. Y. Educational desk. 126,969; May 6.
Wingfoot Corporation. (See Brunner, Elmer F., assignor.)
Wolf, Abraham, New York, N. Y. Coat. 127,064; May 6.
Wolf, Semon, New York, N. Y. Slip. 127,047; May 6.
Wright, Denver M., Brentwood, Mo. Coin purse. 126,995; May 6.
Zaun, Harry C., Atlantic Beach, N. Y. Electric glow lamp. 126,996; May 6.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 6TH DAY OF MAY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abele, Hermann, Zurich, Switzerland. Bundling press compression control. 2,240,823; May 6.
Adams, James A., assignor to The Mine and Smelter Supply Company, Denver, Colo. System and method for automatic feed control. 2,240,822; May 6.
Adams, John H., Seattle, Wash. Cigarette holder and extinguishing means. 2,240,538; May 6.
Aeschbach, Max. (See Blatter, Fritz, assignor.)
Aicher, Alfred A., Wimbledon, England. Chemical reaction chamber. 2,240,481; May 6.
Air Devices Incorporated. (See Harrigan, Paul D., assignor.)
Air-Way Electric Appliance Corporation. (See Riebel, Frederick, Jr., assignor.)
Airetool Mfg. Company, The. (See Hamilton, Walter T., assignor.)
Aitcheson, Thomas G. (See Bangert, F. A., Day, Aitcheson, and Davenport.)
Akers, Cecil L., assignor of one-half to F. C. Akers, Anderson, Ind. Air flow control. 2,241,108; May 6.
Akers, Floyd C. (See Akers, Cecil L., assignor.)
Aktiebolaget C. E. Johnson. (See Woxén, Ragnar, assignor.)
Aktiengelsellschaft Brown Boveri & Cie. (See Schiesser, Max, assignor.)
Alban, Clarence F., and S. R. Hood, assignors to W. M. Chace Company, Detroit, Mich. Electrical resistor of thermoflex material. 2,240,824; May 6.
Alexander, Morris L., New York, N. Y. Engraving machine. 2,240,825; May 6.
Allegheny Ludlum Steel Corporation. (See De Vries, Ralph P., assignor.)
Allen, Elbert D., Lansing, Mich. Gripper for printing presses. 2,241,172; May 6.
Allen, Robert C., Wauwatosa, assignor to Allis-Ccambers Manufacturing Company, Milwaukee, Wis. Turbine blade attachment and method and apparatus therefor. 2,240,742; May 6.
Allen, Robert C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Apparatus for attaching turbine blades. 2,240,743; May 6.
Aligemeine Elektricitats-Gesellschaft. (See Orthuber, R., and Steudel, assignors.)
Allis-Chalmers Manufacturing Company. (See Allen, Robert C., assignor.)
Allis-Chalmers Manufacturing Company. (See Rigert, Max, assignor.)
Allis-Chalmers Manufacturing Company. (See Shaw, Melvin C., assignor.)
Aluminum Company of America. (See Nock, Joseph A., Jr., assignor.)
Amberg, Walter E., assignor to Universal Paper Products Company, Chicago, Ill. Container. 2,240,599; May 6.
American Bosch Corporation. (See Schwarzmann, Wolfgang E., assignor.)
American Chain & Cable Company. (See Conner, Edward A., assignor.)
American Chicle Company. (See Simeone, Aurelio J., assignor.)
American Cyanamid & Chemical Corporation. (See Mayne, L. K., and Callander.)
American Laundry Machinery Company, The. (See Hetzer, Russell A., assignor.)
American Lead Pencil Company. (See Juelss, D., and Drews, assignors.)
American Magnesium Metals Corporation. (See Hansgirg, Fritz, assignor.)
American Optical Company. (See Merrill, John E., assignor.)
American Optical Company. (See Styll, Harry H., assignor.)
American Steel Foundries. (See Kinne, E. P., and Kayler, assignors.)
American Telephone and Telegraph Company. (See Armstrong, F. C., and Van Meter, assignors.)
American Voith Contact Co. (See Thoma, Dieter, assignor.)
Anderson, Carl E., Cranford, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical apparatus. 2,240,921; May 6.
Anderson, Thomas F., assignor to The Sanymetal Products Co., Inc., Cleveland, Ohio. Cubicle assembly. 2,240,482; May 6.
Anderson, Thomas F., assignor to The Sanymetal Products Co., Inc., Cleveland, Ohio. Cubicle assembly. 2,240,483; May 6.
Anderson, Thomas F., assignorto The Sanymetal Products Co., Inc., Cleveland, Ohio. Cubicle assembly. 2,240,484; May 6.
Anderson, Walter A., Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Paper holding and feeding mechanism for accounting machines. 2,241,173; May 6.
Andresen, Halvor T. H., Oslo, Norway. Arrangement in sail sheets. 2,240,878; May 6.
Andrews, Evelyn, executor, et al. (See Briddell, Charles D.)
Andrews Steel Company, The. (See Little, Howard J., assignor.)
Anemostat Corporation of America. (See Kurth, Franz J., assignor.)
Animal Trap Company of America. (See Briddell, Charles D.)
Applegarth, Alexander R., Jr., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Automatic gain control system. 2,240,600; May 6.
Applegarth, Alexander R., Jr., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Automatic gain control system. 2,240,601; May 6.
Arado Flugzeugwerke Gesellschaft mit beschraenkter Haftung. (See Meyer, F., and Maire, assignors.)
Arado Flugzeugwerke Gesellschaft mit beschhrankter Haftung. (See Voss, Otto, assignor.)
Armel, Hugh M., Covina, Calif. Firing rotary kilns in the production of Portland cement. 2,240,485; May 6.
Armentrout, Arthur L., et al. (See Werts, Richard A., assignor.)
Armistead, Horace, assignor of one-half to L. R. Warren, New York, N. Y. Display device. 2,240,899; May 6.
Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool structure and control mechanism. 2,240,973; May 6.
Armstrong, Benjamin F., Kew Gardens, N. Y. Bubble tray. 2,241,370; May 6.
Armstrong Cork Company. (See Berger, John L., assignor.)
Armstrong Cork Company. (See Dryer, Edward L., assignor.)
Armstrong Cork Company. (See Kinzer, William W., assignor.)
Armstrong, Frank C., Larchmont, and K. K. Van Meter, Bayside, N. Y., assignors to American Telephone and Telegraph Company. Holder for paper sheets. 2,240,974; May 6.
Arnst, John H., Valier, Mont. Electric lift and depth control device for farm implements. 2,240,879; May 6.
Arpin, John B., Fort Lauderdale, assignor to Beach Erosion Control Company, Miami Beach, Fla. Underwater compound. 2,240,744; May 6.
Ashburn, Harry V. (See Conary, R. E., and Ashburn.)
Ashburn, Harry V. (See Conary, R. E., Ashburn, and Stutsman.)
Askania-Werke A. G. vormals Centralwerstatt-Dessau und Carl Bamberg-Friedenau. (See Bestelmeyer, Adolf, assignor.)
Associated Attleboro Manufacturers, Inc. (See Stenberg, Knut E. B., assignor.)
Associated Electric Laboratories, Inc. (See Pye, Harold C., assignor.)
Associated Electric Laboratories, Inc. (See Woodruff, Albert E., assignor.)
Associated Electric Laboratories, Inc. (See Woodruff, A. E., and Horlacher, assignors.)
Atkinson, Ralph W., Perth Amboy, N. J., assignor to General Cable Corporation, New York, N. Y. Electric cable. 2,240,745; May 6.
Atlantic Refining Company. (See Conlon, Daniel R., Jr., assignor.)
Auren, Philip C., and P. Fierer, Worcester, Mass. Toy. 2,240,746; May 6.
Autocopy, Inc. (See Truitt, N. E., and Schroeder, assignors.)
Automatic Signal Corporation. (See Wilcox, Harry A., assignor.)
Avins, Jack, New Dorp, N. Y. Electron discharge tube system. 2,240,635; May 6.
Babb, Charles H., Los Angeles, and J. S. J. Hlobil, Beverly Hills, Calif. Aircraft. 2,240,747; May 6.
Bachelder, Calvin L., Kalamazoo, Mich., assignor to Hercules Powder Company, Wilmington, Del. Sizing composition. 2,241,174; May 6.
Bachman, Gustave B., assignor to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin. 2,241,234; May 6.
Bachman, Gustave B., assignor to Eastman Kodak Company, Rochester, N. Y. Sulphocarboxylic acid esters of cellulose. 2,241,235; May 6.
Bak, Walter J., Minneapolis, Minn. Davenport. 2,240,748; May 6.
Baker & Company. (See Keitel, Christian W., assignor.)
Baker, Thomas A., St. Louis, Mo. Extractor. 2,240,826; May 6.
Baker, Virgil P., et al. (See Werts, Richard A., assignor.)

Balduf, Bruno E., assignor to United States Gypsum Company, Chicago, Ill. Partition structure. 2,241,338; May 6.

Baldwin, Charles C., St. Louis, Mo. Cigarette package. 2,240,539; May 6.

Baldwin Company, The. (See Kock, Winston E., assignor.)

Bangert, Frank A., Buffalo, R. K. Day, Snyder, and T. G. Altcheson, Kenmore, N. Y., and L. J. Davenport, Long Beach, Calif., assignors to Spencer Lens Company, Buffalo, N. Y. Lens and lens mount. 2,240,827; May 6.

Banneitz, Hugo, administrator. (See Waly, Abdalla.)

Barbour, Jabus W., assignor of one-half to R. W. Haake, Sr., Pekin, Ill. Envelope opener. 2,240,975; May 6.

Barnes, Carl E., assignor to Norton Company, Worcester, Mass. Distilling monomeric polymerizable substances. 2,241,175; May 6.

Bartsch, Albert, Chicago, Ill. Child's dish. 2,240,602; May 6.

Bauder, Glenn E., Elmira, assignor to Remington Rand Inc., Buffalo, N. Y. Typewriting and like machines. 2,240,477; May 6.

Bauer, Charles A., Newburg, assignor to The Cardinal Corporation, Evansville, Ind. Decorating plastics. 2,240,900; May 6.

Bazzoni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe and shoe parts. 2,240,603; May 6.

Beach Erosion Control Company. (See Arpin, John B., assignor.)

Beach, Justice H., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,240,540; May 6.

Beaton & Cadwell Manufacturing Company, The. (See Work, Ernest W., assignor.)

Beckley, Charles O., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Composition for use in printing. 2,240,486; May 6.

Bedford, Burnice D., and M. A. Edwards, Schenectady, N. Y., assignors to General Electric Company. Electric circuits. 2,241,050; May 6.

Beech, Edward, Woodside, N. Y. Clothes pressing machine. 2,240,541; May 6.

Beechlyn, John T., assignor to O. S. Walker Co. Inc., Worcester, Mass. Alternating current demagnetizer. 2,240,749; May 6.

Behles, Nicholas G., Oak Park, Ill. Assembled partition for cardboard boxes. 2,240,828; May 6.

Bell & Howell Company, The. (See Stechbart, Bruno, assignor.)

Bell Telephone Laboratories, Incorporated. (See Bond, Walter L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Gardner, L. A., Singer, and Watson, assignors.)

Bell Telephone Laboratories, Incorporated. (See Gould, King E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Hays, James B., assignor.)

Bell Telephone Laboratories, Inc. (See Holden, W. H. T., and Hubbard, assignors.)

Bell Telephone Laboratories, Incorporated. (See King, G. V., Korn, and McAlpine, assignors.)

Bell Telephone Laboratories, Incorporated. (See Ohl, Russell S., assignor.)

Bell Telephone Laboratories, Incorporated. (See Schumacher, E. E., and Souden, assignors.)

Bell Telephone Laboratories, Incorporated. (See Wagar, Harold N., assignor.)

Bell Telephone Laboratories, Incorporated. (See Weinhart, Howard W., assignor.)

Belmar Manufacturing Company, The. (See Crocker, John S., assignor.)

Benander, George B., Oaklawn, assignor to Monowatt Electric Corporation, Providence, R. I. Lamp socket. 2,241,049; May 6.

Bendix Aviation Corporation. (See Johnson, Carl V., assignor.)

Bendix Aviation Corporation. (See Stuart, Alfred A., Jr., assignor.)

Bendix Products Corporation. (See Partington, Edward J., assignor.)

Bendix Products Corporation. (See Price, Harold W., assignor.)

Benham, Kent W., Cleveland Heights, assignor to The Sanymetal Products Co., Inc., Cleveland, Ohio. Panel unit. 2,240,487; May 6.

Bennett, William M., Omaha, Nebr. Float switch control signaling device. 2,240,880; May 6.

Benrus Watch Company. (See Lazrus, Benjamin, assignor.)

Benson, George O., assignor to Chisholm-Ryder Co., Inc., Niagara Falls, N. Y. Radio antenna. 2,240,488; May 6.

Berger, Hans H., assignor to The McCass Company, Los Angeles, Calif. Fluid dispensing apparatus. 2,240,604; May 6.

Berger, John L., Columbia, assignor to Armstrong Cork Company, Lancaster, Pa. Apparatus for manufacturing molded inlaid linoleum. 2,241,051; May 6.

Berger, Samuel I., Newark, N. J. Carpet sweeper. 2,240,683; May 6.

Berger, Samuel I., Newark, N. J. Carpet sweeper. 2,240,684; May 6.

Berkley Machine Works and Foundry Company. (See Jones, Samuel G., assignor.)

Berry, John T., assignor of one-third to D. J. Mullen and one-third to E. F. Heist, Philadelphia, Pa. Confectionery extruding machine. 2,241,236; May 6.

Bestelmeyer, Adolf, Berlin-Zehlendorf, Germany, assignor to Askania-Werke A. G. vormals Centralwerkstatt-Dessau and Carl Bamberg-Friedenau. Rate of climb indicator. 2,240,750; May 6.

Bevil Corporation. (See Bevillard, Arthur J., assignor.)

Bevillard, Arthur J., assignor to Bevil Corporation, Anaheim, Calif. Cutting tool and making same. 2,240,829; May 6.

Binding, Kenneth W., Medford, assignor to J. H. Emerson, Cambridge, Mass. Artificial respirator. 2,240,830; May 6.

Billig, Kurt. (See Voss, A., and Billig.)

Bingley, Frank J., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Wide band amplifier. 2,240,605; May 6.

Bischof, Emil A., Orlando, Fla. Adjustable shade. 2,240,883; May 6.

Bishop, James O., Torrance, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Manipulator. 2,240,739; May 6.

Bischoff, Kurt, and K. Silbermann, Erlangen, assignors to the firm Siemens-Reiniger-Werke Aktiengesellschaft, Berlin, Germany. X-ray apparatus. 2,240,478; May 6.

Bissell, Carl H., assignor to Crouse Hinds Company, Syracuse, N. Y. Sealing fitting for conduit lines. 2,240,831; May 6.

Bissell, Carl H., assignor to Crouse-Hinds Company, Syracuse, N. Y. Explosionproof switch housing. 2,240,922; May 6.

Blakemore, Joseph T. (See Schiffman, L. R. E., Lawson, and Blakemore.)

Blakeslee, Henry J., Marlboro, assignor to The States Company, Hartford, Conn. Electric switch. 2,241,052; May 6.

Blatter, Fritz, assignor to F. Blatter and M. Aeschbach, Zofingen, Switzerland. Seamless tubular woven fabric. 2,241,289; May 6.

Blomfield, Alfred L., and B. S. Crocker, assignors to Lake Shore Mines Limited, Kirkland Lake, Ontario, Canada. Flotation separation of minerals. 2,240,976; May 6.

Blumenthal, Sidney, & Co. (See Seward, Edward C. and W. S., assignors.)

Bobb, Lloyd J., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Electron beam deflecting yoke. 2,240,606; May 6.

Bock, Charles S., assignor to A. Hoffman, Chicago, Ill. Door lock. 2,241,109; May 6.

Boecler, Albert, Berlin, and K. Bratring, Dahlem, Berlin, Germany, assignors to Neocell Products Corporation. Production of hollow articles. 2,241,177; May 6.

Boecler, Albert, Berlin, and K. Bratring, Dahlem, Germany, assignors, by mesne assignments, to Neocell Products Corporation. Apparatus for producing hollow articles by immersion. 2,241,176; May 6.

Boesger, George A., North Olmsted, assignor to The W. W. Sly Manufacturing Company, Cleveland, Ohio. Helmet. 2,240,751; May 6.

Bogart, Marcel J. P., Teaneck, and J. S. F. Carter, Passaic, N. J., assignors to The Lummus Company, New York, N. Y. Distillation of phenolic compounds. 2,241,110; May 6.

Bogart, Marcel J. P., Teaneck, and J. S. F. Carter, Passaic, N. J., assignors, by mesne assignments, to Heyden Chemical Corporation, New York, N. Y. Distillation. 2,240,752; May 6.

Bonar, Barnet E. (See Fenning, Con, assignor.)

Bond, Walter L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cutting tool. 2,240,685; May 6.

Bond, Walter L., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fluid driven motor. 2,240,686; May 6.

Bonsack, Walter, South Euclid, assignor to The National Smelting Company, Cleveland, Ohio. Aluminum alloys. 2,240,489; May 6.

Bordash, John. (See Weintraub, A. L., and Bordash.)

Borden, Harry, Brooklyn, N. Y. Jewelry clasp. 2,240,479; May 6.

Botts, James G., Appalachia, Va. Water power motor. 2,241,111; May 6.

Bouchard, Armand, and J. V. Tremblay, St. Joseph d'Alma, Quebec, Canada. Measuring device. 2,240,753; May 6.

Bourdon, Pierre M., Paris, assignor to Michelin & Cie, Clermont-Ferrand, France. Tire. 2,240,542; May 6.

Bousman, Samuel I., Sacramento, assignor to Western Machinery Company, San Francisco, Calif. Bearing for ore classifiers. 2,241,178; May 6.

Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure braking system. 2,241,112; May 6.

Bowser, Percy L., Jr. (See Venner, W. M., and Bowser.)

Bowser, S. F., & Company. (See Marvel, Harvey E., assignor.)

Bradford, Orla E., Brookville, Kans. Monoplane kite. 2,240,881; May 6.

Bradwell, Robbie H., Dalton, Ga., assignor to Polly Prentiss, Inc., Sumter, S. C. Chenille tufting machine. 2,241,113; May 6.

Brain, Lester J., Bellevue Hill, Sydney, New South Wales, Australia. Refrigerator. 2,240,882; May 6.

Brandt, Edgar W., Paris, France, assignor to Sageb, Société Anonyme de Gestion et d'Exploitation de Brevets, Fribourg, Switzerland. Apparatus for discharging objects. 2,241,290; May 6.

Bratring, Kurt. (See Boecler, A., and Bratring.)

Brenkert, Karl, assignor to Brenkert Light Projection Company, Detroit, Mich. Projection lamp. 2,241,179; May 6.

Brenkert Light Projection Company. (See Brenkert, Karl, assignor.)

Briddell, Charles D., deceased, Crisfield, Md.; E. Andrews, C. D. Briddell, Jr., T. H. and W. H. Briddell, executors, assignors to Animal Trap Company of America, Lititz, Pa. Animal trap. 2,240,754; May 6.

Briddell, Charles D., Jr., executor, et al. (See Briddell, Charles D.)

Briddell, Thomas H., executor, et al. (See Briddell, Charles D.)

Briddell, Willis H., executor, et al. (See Briddell, Charles D.)

Briggs, Martin, Oakland, Calif. Power tool. 2,240,755; May 6.

Briggs & Stratton Corporation. (See Mack, Perry E., assignor.)

Brightman, John B., Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine. 2,241,053; May 6.

Bristol, Cyrus J., assignor to Globe Hoist Company, Des Moines, Iowa. Vibratory jack support for automobile hoists. 2,240,756; May 6.

Broadway, Leonard F. (See Keyston, J. E., and Broadway.)

Brockmeier, Hilbert C., Edwardsville, Ill. Egg rack. 2,240,832; May 6.

Brockmeier, Hilbert C., Edwardsville, Ohio. Egg tester. 2,240,833; May 6.

Brooker, Leslie G. S., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y. Preparation of pseudo-cyanine dyes. 2,241,237; May 6.

Brooker, Leslie G. S., and G. H. Keyes, assignors to Eastman Kodak Company, Rochester, N. Y. Sensitizing methine dyes and preparing them. 2,241,238; May 6.

Brown and Sharpe Manufacturing Company. (See Hirsch, G. B., and Renier, assignors.)

Brown and Sharpe Manufacturing Company. (See Levesque, G. N., and Sebring, assignors.)

Brown, Ben M. (See McCormick, G., Brown, and Russell.)

Brown, Benjamin W., Hapeville, assignor of one-half to R. S. Leonard, Atlanta, Ga. Shuttle tuning device. 2,240,636; May 6.

Brown, Charles L., Jr., Stamford, Conn., assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,240,543; May 6.

Brown Engineering Corporation. (See Coons, Uzal E., assignor.)

Brown, George R., et al. (See Lewis, Ted I., assignor.)

Browne, Kenneth A., Westwood, N. J., assignor to Wright Aeronautical Corporation. Cylinder construction. 2,241,339; May 6.

Brunjes, Austin S., Brooklyn, assignor to The Lummus Company, New York, N. Y. Bubble deck construction. 2,241,114; May 6.

Bryant, Corwin W., Downers Grove, and D. Rosenston, assignors to Crane Co., Chicago, Ill. Valve. 2,240,977; May 6.

Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Reading machine. 2,240,544; May 6.

Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Reading machine. 2,240,545; May 6.

Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Reading machine. 2,240,546; May 6.

Buck, Arthur G., Somerville, N. J., assignor to C. M. Buck, Brooklyn, N. Y. Apparatus for heat treating coal. 2,240,757; May 6.

Buck, Charles M. (See Buck, Arthur G., assignor.)

Buck, Chauncey M., Vincennes, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fluid control system. 2,240,607; May 6.

Buckeye, Mae D., et al. (See Lowther, Wilfred W., assignor.)

Buckeye, Ralph A., et al. (See Lowther, Wilfred W., assignor.)

Buddish, Barnett, assignor to Rubberset Company, Newark, N. J. Shaving brush. 2,240,547; May 6.

Buffalo-Springfield Roller Co., The. (See Greiner, Carl F., assignor.)

Bukolt, Roman B., Stevens Point, Wis. Child's bed. 2,240,978; May 6.

Bumstead, Ralph W., Westfield, N. J., assignor to Radio Corporation of America. Electronic musical instrument. 2,241,027; May 6.

Bunton, Rheubin L., assignor to G. W. Grove, Hickory, N. Y. Knitting hosiery. 2,241,291; May 6.

Burke, Anthony A., Norfolk, Va. Swimming appliance. 2,241,292; May 6.

Burke, James P., Knoxville, Tenn., assignor of one-half to F. L. McLaughlin, Detroit, Mich. Plastic injection inlay method. 2,241,180; May 6.

Burke, William A., assignor to Oriental Wrought Iron Works, Inc., South Bend, Ind. Chair. 2,241,115; May 6.

Burkhardt, Frederick R. (See Maloney, J. E., Burkhardt, and Hull.)

Burgess Battery Company. (See Chipley, Alfred S., assignor.)

Burns, Fred J., assignor to The Columbia Mills, Inc., Saginaw, Mich. Headrail bracket. 2,241,054; May 6.

Burroughs Adding Machine Company. (See Pasinski, Walter J., assignor.)

Bushnell, Robert J., La Grange, Ill. Meter testing apparatus. 2,241,181; May 6.

Byers, John A., assignor to James B. Clow & Sons, Chicago, Ill. Valve. 2,240,979; May 6.

Cairns Corporation. (See Cairns, Edmund B., assignor.)

Cairns, Edmund B., Naugatuck, Conn., assignor, by mesne assignments, to Cairns Corporation, New York, N. Y. Apparatus for forming curved sheets. 2,240,548; May 6.

Callander, Alexander. (See Mayne, L. K., and Callander.)

Camien, Patricia J., Clayton, Mo. Figure mounting. 2,240,758; May 6.

Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump car door construction. 2,241,687; May 6.

Campbell, Ransom D., Asheville, N. C. Connector. 2,241,293; May 6.

Cardinal Corporation, The. (See Bauer, Charles A., assignor.)

Carlson, Arnold B. (See Gronberg, Clarence, assignor.)

Carlson, John T., assignor to The Master Electric Company, Dayton, Ohio. Thermometer support. 2,240,980; May 6.

Carlton, Charles L., Julianetta, Idaho. Cigarette dispensing device. 2,240,884; May 6.

Carmody, William H., assignor to The Neville Company, Pittsburgh, Pa. Plasticized coumarone-indene resin. 2,241,340; May 6.

Carpenter, Miles H., Merrick, assignor to Duramore Buildings, Inc., Brooklyn, N. Y. Grooved plywood facing. 2,241,080; May 6.

Carreras, José R., and L. A. Lugo, assignors to Sucesores de Abarca, San Juan, P. R. Discharge valve for vacuum pans. 2,241,294; May 6.

Carroll, Burt H., and C. J. Staud, assignors to Eastman Kodak Company, Rochester, N. Y. Ultraviolet light filter. 2,241,239; May 6.

Carroll, Fred M., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Card punching machine. 2,240,549; May 6.

Carter, James S. F. (See Bogart, M. J. P., and Carter.)

Carter, Jesse J., Bowling Green, Ky. Combined seesaw and swing. 2,240,981; May 6.

Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Conveyer. 2,241,359; May 6.

Caterpillar Tractor Co. (See Starr, Oscar L., assignor.)

Cawein, Madison, Manhasset, N. Y., assignor to Hazeltine Corporation. Television synchonizing and control system. 2,240,490; May 6.

Cayo, Julius N., Benton Harbor, Mich. Ornament. 2,241,182; May 6.

Ceder, Ernest, New York, N. Y. Combination fishing rod and sand spike. 2,241,183; May 6.

Celon Company, The. (See Nygard, Halvard F., assignor.)

Cen-Tennial Cotton Gin Co. (See Smith, G. G., and Roberts, assignors.)

Chace, W. M., Company. (See Alban, C. F., and Hood, assignors.)

Chalmers, John W., assignor to Moline Machine Company, Limited, Deptford, London, England. Packing or wrapping machine. 2,241,116; May 6.

Chandler, Sheldon S., Brooklyn, Wis. Popped corn food product and preparation. 2,240,759; May 6.

Chaplick, Zigman, Chicago, Ill. Illuminated device. 2,240,608; May 6.

Chase Brass & Copper Co. (See Daniels, Harold C., assignor.)

Chemical Seed Treating and Delinting Corporation. (See Kettenbach, Oscar L., assignor.)

Chicago Pneumatic Tool Company. (See Clark, Omar E., assignor.)

Chilton, Roland, Ridgewood, N. J., assignor to Wright Aeronautical Corporation. Articulated propeller. 2,241,055; May 6.

Chilton, Roland, Ridgewood, assignor, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J. Hydraulic diaphragm. 2,241,056; May 6.

Chipley, Alfred S., assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill. Apparatus for silencing pulsating gases. 2,241,010; May 6.

Chirelstein, Charles, Newark, N. J. Starting switch for gaseous discharge devices. 2,241,240; May 6.

Chisholm-Ryder Co. (See Benson, George O., assignor.)

Christie, William J., Tulsa, Okla. Closure latch and guard. 2,240,923; May 6.

Chrysler Corporation. (See Jewell, Bernard W., assignor.)

Chubb, Loyde, Lansing, Mich., assignor, by mesne assignments, to Sommer & Maca Glass Machinery Corporation. Glass replacement tool. 2,241,028; May 6.

Cities Service Oil Company. (See Lowe, R. E., and Griswold, assignors.)

Clark, Breckinridge T., assignor to E. H. Jacobs Mfg. Co., Inc., Danielson, Conn. Making dobby cord terminals. 2,240,982; May 6.

Clark, Hardin T., Schenectady, N. Y., assignor to General Electric Company. Capacitance compensator. 2,241,057; May 6.

Clark, James K., assignor to The Partlow Corporation, New Hartford, N. Y. Safety pilot burner. 2,241,295; May 6.

Clark, Omar E., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Single action pneumatic riveter. 2,241,184; May 6.

Clark, William E., Winter Haven, Fla. Fruit juice extractor. 2,241,081; May 6.

Clarke, Alexander. (See Sillers, D. A., and Clarke.)

Clemson Bros., Inc. (See Clemson, Richard D., assignor.)

Clemson, Richard D., assignor to Clemson Bros., Inc., Middletown, N. Y. Mower. 2,240,924; May 6.

Clerc, Leonard F., Chicago, Ill. Refrigerating apparatus. 2,240,760; May 6.

Clopay Corporation. (See Johnson, Samuel J., assignor.)

Cloutier, Arthur N., Lonsdale, assignor to Hemphill Company, Central Falls, R. I. Needle and method of frictioning. 2,240,761; May 6.

Clouse, William L., deceased, by The Commercial National Bank, executor, assignors to The National Machinery Company, Tiffin, Ohio. Air cooled clutch. 2,241,241; May 6.

Clow, James B., & Sons. (See Byers, John A., assignor.)

Cobb, George W., Pacific Beach, Calif. Footwear heel. 2,240,835; May 6.

Cohen, Alvin H., assignor of one-half to F. L. Katz, New York, N. Y. Focusing device for cameras. 2,241,185; May 6.

Cohen, Charles A. (See Rosen, R., and Cohen.)

Cole's Hot Blast Mfg. Co. (See Wedderspoon, Arthur F., assignor.)

Collins & Aikman Corporation. (See Vetterlein, Theodore H., Jr., assignor.)

Colt's Patent Fire Arms Manufacturing Company. (See Swartz, William L., assignor.)

Columbia Mills, Inc., The. (See Burns, Fred J., assignor.)

Commercial National Bank, executor. (See Clouse, William L.)

Compo Shoe Machinery Corporation. (See Smith, John F., assignor.)

Conary, Robert E., and H. V. Ashburn, Beacon, and P. S. Stutsman, Fishkill, assignors to The Texas Company, New York, N. Y. Lubricating oil. 2,241,243; May 6.

Conary, Robert E., and H. V. Ashburn, Beacon, assignors to The Texas Company, New York, N. Y. Organic phosphite compounds and manufacturing same. 2,241,244; May 6.

Conine, Harold, Pine Valley, Okla. Safety saw guard. 2,240,983; May 6.

Conlon, Daniel R., Jr., Upper Darby, assignor to The Atlantic Refining Company, Philadelphia, Pa. Returning gas to gas-producing formations. 2,240,550; May 6.

Conner, Edward A., Stratford, Conn., assignor to American Chain & Cable Company, Inc., New York, N. Y. Work holder for rotary swaging machines. 2,240,688; May 6.

Continental Can Company. (See Kronquest, Alfred L., assignor.)

Conver Steel & Wire Co. (See La Grotta, Frank, assignor.)

Cook, Willard G., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Tensiometer control system. 2,240,637; May 6.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,241,117; May 6.

Coons, Uzal E., assignor to Brown Engineering Corporation, Chicago, Ill. Liquid cooler. 2,241,186; May 6.

Cooper-Bessemer Corporation. (See Gehres, Hewitt A., assignor.)

Cooper, Joseph, New York, N. Y. Table. 2,240,551; May 6.

Cope, Joseph H., Denver, Colo., and G. C. J. Gray, assignors to Western Land Roller Company, Hastings, Nebr. Sweep rake and vehicle therefor. 2,240,552; May 6.

Cornell-Dubilier Electric Corporation. (See Cotton, James H., assignor.)

Cosmocolor Corporation. (See Gilmore, Otto C., assignor.)

Cotchett, Louis M., Hingham, assignor to Saco-Lowell Shops, Boston, Mass. Spinning and twister spindle. 2,241,118; May 6.

Cotton, James H., London, England, assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation. Vent structure for electrolytic condensers and the like. 2,240,836; May 6.

Courtaulds, Limited. (See Heywood, A. D., Givens, and Morton, assignors.)

Crane Co. (See Bryant, C. W., and Rosenston, assignors.)

Crane Co. (See Ziegler, N. A., and Northrup, assignors.)

Crippen, Robert R. (See Robinson, W. W., and Crippen.)

Crocker, Bunting S. (See Blomfield, A. L., and Crocker.)

Crocker, John S., assignor to The Belmar Manufacturing Company, Canton, Pa. Garment hanger. 2,240,885; May 6.

Crouse Hinds Company. (See Bissell, Carl H., assignor.)

Crowe, Orley J., Detroit, Mich., assignor to Herron-Zimmers Moulding Company. Molding. 2,240,491; May 6.

Cummings, Norbert C., assignor to Phonograph Advertising Service, Incorporated, Washington, D. C. Automatic phonograph record selecting mechanism. 2,240,609; May 6.

Curtiss-Wright Corporation. (See Graham, Clarence R., assignor.)

Curtiss-Wright Corporation. (See Wedberg, Frank A., assignor.)

Curtiss-Wright Corporation. (See Woodson, Omer L., assignor.)

Cutler-Hammer, Inc. (See Jochem, T. B., Kuhn, and Stevens, assignors.)

Dabelstein, Albert J., Chicago, Ill. Curtain fixture. 2,241,082; May 6.

Daily Mirror Newspapers Limited, The. (See Dalton, John W., assignors.)

Dallenbach, Walter, Berlin-Charlottenburg, assignor to Julius Pintsch Kammanditgesellschaft, Berlin, Germany. Ultra-short-wave apparatus. 2,241,119; May 6.

Dalton, John W., assignor to The Daily Mirror Newspapers Limited, London, England. Engraving. 2,241,120; May 6.

Daniels, Harold C., Woodbury, assignor to Chase Brass & Copper Co., Incorporated, Waterbury, Conn. Composite fluid-conducting tube. 2,241,245; May 6.

Daniels, Lee G., Rockford, assignor to Elgin Softener Corporation, Elgin, Ill. Apparatus for testing water. 2,241,121; May 6.

Davenport, Lawrence J. (See Bangert, F. A., Day, Aitcheson, and Davenport.)

Day, Ralph K. (See Bangert, F. A., Day, Aitcheson, and Davenport.)

Dean, William E., Portland, Ark. Convertible seed planting hopper. 2,240,610; May 6.

De Baufre, William L., Lincoln, Nebr. Rectification of gaseous mixtures. 2,240,925; May 6.

De Croce, Genero, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,240,638; May 6.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Resolving petroleum emulsions. 2,241,011; May 6.

Dee, Edward J., et al. (See Ducate, Edward J., assignor.)

De Havilland Aircraft Company Limited, The. (See Thomas, Frederick M., assignor.)

De Havilland Aircraft Company Limited, The. (See Thomas, F. M., and Hitch, assignors.)

De Juhasz, Kalman J., State College, Pa. Maximum pressure gauge. 2,240,492; May 6.

Denneen, Francis S., assignor to The Ohio Crankshaft Company, Cleveland, Ohio. Wheel hardening apparatus. 2,240,493; May 6.

Denneen, Francis S., Cleveland, W. C. Dunn, Shaker Heights, and C. N. Mitchell, Strongsville, assignors to The Ohio Crankshaft Company, Cleveland Ohio. Heat treating. 2,240,494; May 6.

Denton, Joseph A., Milwaukee, Wis. Fence. 2,240,689; May 6.

De Paolis, Paul F. (See Eberlin, L. W., and De Paolis.)

Derdeyn, Marcell H., Pawhuska, Okla. Lawn sprinkler. 2,240,611; May 6.

Derr, Willard A., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Telemetric system. 2,240,639; May 6.

Desaulniers, Wilfred H. and B. J., Vancouver, British Columbia, Canada. Direction indicator. 2,240,984; May 6.

Desaulniers, Bernard J. (See Desaulniers, Wilfred H. and B. J.)

Detroit Lubricator Company. (See Dillman, Earnest J., assignor.)

Deutsche Edelstahlwerke Aktiengesellschaft. (See Scherer, R., Riedrich, and Haugardy, assignors.)

Deutsche Hollerith Maschinen Gesellschaft m. b. H. (See Maul, Michael, assignor.)

De Vries, Ralph P., Menands, N. Y., assignor to Allegheny Ludlum Steel Corporation, Pittsburgh, Pa. Alloy steel. 2,241,187; May 6.

De Weese, Maude, administratrix. (See De Weese, Thomas G.)

De Weese, Thomas G., deceased; M. De Weese, administratrix, Los Angeles, Calif. Street indicator and advertising device. 2,240,837; May 6.

Diamond Expansion Bolt Company. (See Pleister, H. W., and Karitzky, assignors.)

Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Auxiliary fluid supply means for fluid brakes. 2,241,188; May 6.

Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Combined fluid and mechanical friction brake. 2,241,189; May 6.

Dickey, Joseph B., and J. B. Normington, assignors to Eastman Kodak Company, Rochester, N. Y. Treating cellulose derivative materials. 2,241,246; May 6.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Azo compounds and material colored therewith. 2,241,247; May 6.

Dictograph Products Company. (See Mallalieu, Frank R., assignor.)

Diemer, Anton, Stuttgart, Germany. Door latch. 2,240,690; May 6.

Diescher, Samuel E., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa. Making upset seamless tubing. 2,241,083; May 6.

Diescher Tube Mills, Inc. (See Diescher, Samuel E., assignor.)

Dietrich, Paul, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Inking apparatus for aniline color printing machines. 2,240,762; May 6.

Dillehay, Edward R., Glen Ellyn, Ill., assignor to The Richardson Company, Lockland, Ohio. Molding composition and manufacture. 2,240,480; May 6.

Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Control system. 2,240,763; May 6.

Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Fuel supply control means. 2,241,296; May 6.

Dillon, Lyle, and E. G. Ragatz, assignors to Union Oil Company of California, Los Angeles, Calif. Apparatus for coalescing foam. 2,240,495; May 6.

Dinzl, Richard W., Westfield, assignor to The Watson-Stillman Co., Roselle, N. J. Hydraulic press. 2,240,926; May 6.

Dixie-Vortex Company. (See Greenhill, Harold, assignor.)

Dobbins, Rachel A., Des Moines, Iowa, assignor of one-half to J. G. Slottow, Chicago, Ill. Clothing or like supporting member. 2,241,084; May 6.

Dollstedt, Carl (See Dollstedt, Werner and C.)

Dollstedt, Werner, Chicago, Ill., and C. Dollstedt, Gary, Ind. Window screening device. 2,240,834; May 6.

Donaldson, Margaret M., et al. (See Lowther, Wilfred W., assignor.)

Donaldson, Robert H., et al. (See Lowther, Wilfred W., assignor.)

Donaldson, Ruth C., et al. (See Lowther, Wilfred W., assignor.)

Dostal & Lowey Co. (See Read, Philip C., assignor.)

Doty, Charles R., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Time recording system. 2,240,553; May 6.

Dow Chemical Company, The. (See Driesbach, R. R., and Pierce, assignors.)

Downing, Roy P. (See Henry, J. R., and Downing.)

Doyle Hosiery Corporation. (See Doyle, John J., assignor.)

Doyle, John J., New Britain, assignor to Doyle Hosiery Corporation, Doylestown, Pa. Yarn carrier stop for flat knitting machines. 2,240,985; May 6.

Drachenberg, Harry, and W. Schwab, Cincinnati, Ohio. Golf practice mechanism. 2,240,691; May 6.

Dreisbach, Robert R., and J. E. Pierce, assignors to The Dow Chemical Company, Midland, Mich. Distillation of vinyl aromatic compounds. 2,240,764; May 6.

Drews, Frank. (See Juelss, D., and Drews.)

Dreyfus, Henry, London, England. Manufacture and treatment of textile fabrics. 2,240,554; May 6.

Dreyfus, Henry, London, England. Manufacture and treatment of textile fabrics. 2,240,555; May 6.

Driver, Wilbur B., Company. (See Platt, Stephen A., assignor.)

Drotning, Henry O., assignor to Eastman Kodak Company, Rochester, N. Y. Locking device for film winding mechanism. 2,241,122; May 6.

Drotning, Henry O., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic camera. 2,241,248; May 6.

Dryer, Edward L., assignor to Armstrong Cork Company, Lancaster, Pa. Device for grooving preformed sheets. 2,240,765; May 6.

Ducate, Edward J., assignor of one-quarter to E. J. Dee and one-quarter to O. H. Wilkinson, Amarillo, Tex. Flexible double skirt piston. 2,240,640; May 6.

Dummler, Willy, Steinau, Kreis Schluchtern, Germany. Machine for manufacturing edible ice. 2,240,641; May 6.

Dumur, Frank. (See May, Erwin, assignor.)

Duncan, Charles R. (See Sandberg, R. A., and Duncan.)

Dunn, Joseph A., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Rotary drilling rig. 2,240,738; May 6.

Dunn, William C. (See Denneen, F. S., Dunn, and Mitchell.)

Dunn, William C., Chicago, Ill. Carburetor. 2,240,497; May 6.

Du Pont, E. I., de Nemours & Company. (See Anderson, Carl E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Greenewalt, Crawford H., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hanford, William E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Krister, Charles J., assignor.)

Du Pont, E. I., de Nemours & Company. (See Lawson, Walter E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Werntz, James H., assignor.)

Duquesne Mine Supply Company. (See Genter, Albert H., assignor.)

Duramore Buildings, Inc. (See Carpenter, Miles H., assignor.)

Duriron Company, The. (See Jacobsen, Oystein, assignor.)

Durtschi, Alma F., Midway, Utah. Fish screen. 2,240,642; May 6.

Dvornikoff, Michael N., assignor to Monsanto Chemical Company, St. Louis, Mo. Pharmaceutical composition of the sulphanilamide class. 2,240,496; May 6.

Eason, Sidney L., Charleston, S. C. Roofing or surfacing material. 2,241,058; May 6.

Eastman Kodak Company. (See Bachman, Gustave B., assignor.)

Eastman Kodak Company. (See Brooker, Leslie G. S., assignor.)

Eastman Kodak Company. (See Brooker, L. G. S., and Keyes, assignors.)

Eastman Kodak Company. (See Carrol, B. H., and Staud, assignors.)

Eastman Kodak Company. (See Dickey, Joseph B., assignor.)

Eastman Kodak Company. (See Dickey, J. B., and Normington, assignors.)

Eastman Kodak Company. (See Drotning, Henry O., assignor.)

Eastman Kodak Company. (See Everlin, L. W., and De Paolis.)

Eastman Kodak Company. (See Franklin, Ernest M., assignor.)

Eastman Kodak Company. (See Lechleitner, Aloysius E., assignor.)

Eastman Kodak Company. (See Malm, C. J., and Hiatt, assignors.)

Eastman Kodak Company. (See Talbot, Ralph H., assignor.)

Eastman Kodak Company. (See Wittel, Otto, assignor.)

Eberlin, Leon W., and P. F. De Paolis, assignors to Eastman Kodak Company, Rochester, N. Y. Optical glass. 2,241,249; May 6.

Edwards, Martin A. (See Bedford, B. D., and Edwards.)

Eggert, John, Leipzig-Gohlis, and B. Wendt, Dessau, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Color photograph. 2,240,692; May 6.

Eichschmidt, Max J., Elkton, Md. Aircraft float light. 2,240,574; May 6.

Elde, Ole A., Minneapolis, Minn. Wrench. 2,240,556; May 6.

Eitel, William W., and J. A. McCullough, San Bruno, Calif. Thermionic tube. 2,240,557; May 6.

Ekstam, Carl H., Bloomington, Ill. Vise. 2,241,297; May 6.

Ekstedt, Henry V., assignor to E. F. Pohl, St. Louis, Mo. Steaming iron. 2,240,612; May 6.

Elder, Earl B., Alhambra, Calif. Tree protector. 2,240,766; May 6.

Electric & Musical Industries Limited. (See Keyston, J. E., and Broadway, assignors.)

Electric & Musical Industries Limited. (See Percival, William S., assignor.)

Electrolux Corporation. (See Brown, Charles L., Jr., assignor.)

Elgin Softener Corporation. (See Daniels, Lee G., assignor.)

Elliott, Harold F., Palo Alto, Calif. Multiple function control clock. 2,240,498; May 6.

Elliott, Harold F., Palo Alto, Calif. Preselector mechanism. 2,240,499; May 6.

Ellis, Carleton, Montclair, N. J., assignor to Standard Oil Development Company. Nitrated diesel fuel and making same. 2,240,558; May 6.

Ellis, William H. (See Springford, V. H., and Ellis.)

Elnes, Arny O., assignor of one-half to C. H. Taylor, Duluth, Minn. Paper clip. 2,240,693; May 6.

Emerson, John H. (See Binding, Kenneth W., assignor.)

Emerson, John H., Cambridge, Mass. Respirator. 2,240,838; May 6.

Encor Corporation. (See Specht, Harry G., assignor.)

Ender, Clarence D., assignor to Hercules Powder Company, Wilmington, Del. Esterifying rosin. 2,241,341; May 6.

Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)

Etchemendy, Carlos E., Buenos Aires, Argentina. Valve. 2,241,012; May 6.

Evans, James M., Detroit, Mich., assignor to Grade Crossing Guard Corp., Memphis, Tenn. Drive mechanism for crossing protective systems or the like. 2,240,948; May 6.

Eyth, Heinrich. (See Kuppenbender, H., Eyth, and Jörg.)

Faulhaber Company, The. (See Faulhaber, Roland W., assignor.)

Faulhaber, Roland W., assignor to The Faulhaber Company, Monroeville, Ohio. Saddle construction. 2,241,250; May 6.

Fay, Horace B. (See Quinn, Nelson J., assignor.)

Fergueson, Arthur P. (See Jandus, H. S., and Fergueson.)

Feith, Wilhelm. (See Hönig, Max, assignor.)

Felt & Tarrant Manufacturing Company. (See Turck, Joseph A. V., assignor.)

Fenning, Con, Salt Lake City, Utah, assignor of three-sevenths to B. E. Bonar. Method and apparatus for physiological research. 2,241,190; May 6.

Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Hydraulic transmission. 2,240,901; May 6.

"Fides" Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Schütz, Werner, assignor.)
Field Donald C. (See Sparks, W. J., and Field.)
Fierer, Philip. (See Auren, P. C., and Fierer.)
Finkle, Donald H., Los Angeles, Calif. Skin clamp. 2,240,643; May 6.
Finley, Sam E., Atlanta, Ga. Road building apparatus. 2,241,299; May 6.
Firestone Tire & Rubber Company, The. (See Wait, E. F., and Hale, assignors.)
Fischer, Gordon H., Milwaukee, Wis. Tap construction. 2,240,840; May 6.
Fisher, George G., and G. W. Grubbe, Chicago, Ill., assignors to Independent Casing Company. Casing drying apparatus. 2,240,839; May 6.
Fishman, Hyman, assignor to Freedman-Roedelheim Company, Philadelphia, Pa. Garment construction. 2,240,902; May 6.
Fitz Maurice, R. J., Orange, N. J. Heating pad. 2,240,625; May 6.
Fleaca, John, Cleveland, Ohio. Expansion shell for machine bolts. 2,241,343; May 6.
Floral City Furniture Co. (See Knabusch, E. M., and Shoemaker, assignors.)
Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Crankshaft grinding machine. 2,241,342; May 6.
Flynn, Benjamin H., Alexandria, La. Combined mixing and grinding mill. 2,240,841; May 6.
Flynt, Robert C., assignor of three-tenths to F. G. Miles and three-tenths to B. B. Lilpfert, Winston-Salem, N. C. Apparatus for forming packages of strip material. 2,241,123; May 6.
Focht, Nevin S., East Cleveland, Ohio. Hydraulic shock absorber. 2,240,644; May 6.
Food Machinery Corporation. (See Paxton, Gerald C., assignor.)
Foreign Rights (Precision Meters) Limited. (See Horton, Frank, assignor.)
Fort Howard Paper Company. (See Shaffer, Glenn A., assignor.)
Foulds, John P., Revere, Mass., assignor to General Electric Company. Light projector. 2,241,059; May 6.
Foxboro Company, The. (See Young, Claude D., assignor.)
Frank, John P. (See Robertson, W. H., and Frank.)
Franklin, Ernest M., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Coloring plastic materials. 2,241,251; May 6.
Franks Manufacturing Corporation. (See Moon, Cleon J., assignor.)
Freeman-Daughaday Company. (See Schupbach, Rene M., assignor.)
Freeman, George A. (See Gustin, D. S., and Freeman.)
Freedman-Roedelheim Company. (See Fishman, Hyman, assignor.)
Freedman, Samuel, Malden, Mass. Garment pad. 2,240,613; May 6.
Freeman, Walter R., University City, assignor to Wagner Electric Corporation, St. Louis, Mo. Pressure reducing valve mechanism for fluid brakes. 2,241,191; May 6.
Freeman, Walter R., University City, assignor to Wagner Electric Corporation, St. Louis, Mo. Compressor unloading valve mechanism. 2,241,192; May 6.
French Oil Mill Machinery Company, The. (See Stacy, Thomas F., assignor.)
Freundlich, Albert, assignor to Kamket Corporation, New York, N. Y. Device for straightening spiral binders. 2,240,903; May 6.
Friedel, Arthur C., assignor to J. F. Friedel Paper Box Company, Syracuse, N. Y. Desk, table, or other similar article of furniture. 2,240,767; May 6.
Friedel, J. F., Paper Box Company. (See Friedel, Arthur C., assignor.)
Friedman, Edward, Lawrence, N. Y. Article of wearing apparel. 2,241,298; May 6.
Friedman, John H., assignor to The National Machinery Company, Tiffin, Ohio. Air cooled clutch. 2,241,242; May 6.
Frondorf, Edward F. (See Hathaway, W. J., and Frondorf.)
Fuchs, Hermanns S. (See Vermeulen, R., and Fuchs.)
Fuchs, Philip, assignor of twelve and one-half per cent to H. H. McLain, Detroit, and twelve and one-half per cent to J. H. Miller, Walled Lake, Mich. Socket and plug switch. 2,240,614; May 6.
Furman, Frank J. (See Mills, A. W., Furman, and Walsoe.)
G-M Laboratories, Inc. (See McMaster, Archie J., assignor.)
Gabrilovitch, Leonide, Paris, France. Selective wave reception. 2,240,500; May 6.
Gale, John C., Omaha, Nebr. Photographic accessory. 2,241,300; May 6.
Gall, Jacob J., Punta Gorda, Fla. Fishhook. 2,241,301; May 6.
Gamble, Walter W., Elizabeth, N. J., assignor to Standard Oil Development Company. Equalizing ring for corrugated type expansion joints. 2,240,694; May 6.
Gardner, Leland A., Maplewood, N. J., F. J. Singer, Rockville Centre, and E. F. Watson, Larchmont, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Teletypewriter switching system. 2,241,258; May 6.
Garland, Mather, Mound, and E. R. Greer, Wayzata; said Greer assignor to Imperial Machine Company, Minneapolis; said Garland assignor to Roto Wing Company, Mound, Minn. Snowplow with power discharge. 2,241,252; May 6.
Garnett, Edward V. (See Garnett, Vactor G. and E. V.)
Garnett, Vactor G. and E. V., Denver, Colo. Dual wheel and brake construction. 2,241,193; May 6.
Garratt, Earl C., assignor to The Kansas Flour Mills Corporation, Kansas City, Mo. Container for flour and similar products. 2,241,085; May 6.
Garrison, Allen D., Houston, Tex., assignor to The Texas Company, New York, N. Y. Treating oil wells. 2,241,253; May 6.
Garrison, Allen D., Houston, Tex., assignor to The Texas Company, New York, N. Y. Treating oil wells. 2,241,254; May 6.
Garrison, Allen D., Houston, Tex., assignor to The Texas Company, New York, N. Y. Oil base drilling fluid. 2,241,255; May 6.
Gaskill, Martin T., Toms River, N. J. Automatic temperature control for water lines. 2,241,302; May 6.
Gates Rubber Company, The. (See Yelm, C. W., and Reznicek, assignors.)
Gavin, Gordon P., Kohler, Wis. Combination lavatory and drinking fountain. 2,241,194; May 6.
Gay, Paul S., assignor to Wilcox-Gay Corporation, Charlotte, Mich. Speed change for recording apparatus. 2,241,013; May 6.
Gaynor, Edwin G., Fairfield, assignor to The Wheeler Insulated Wire Company, Bridgeport, Conn. Lighting apparatus. 2,241,360; May 6.
Gehres, Hewitt A., assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Compressor unloading mechanism. 2,241,195; May 6.
Gehring, Bernice. (See Gehring, Kurt C. and B.)
Gehring, Kurt C. and B., Chicago, Ill. Combination nut bowl with removable nut shell container. 2,240,842; May 6.
Geisslinger, John, Jamaica, N. Y. Electric balance for clocks, watches, and the like. 2,240,927; May 6.
General Aniline & Film Corporation. (See Eggert, J., and Wendt, assignors.)
General Aniline & Film Corporation. (See Hopff, Heinrich, assignor.)
General Aniline & Film Corporation. (See Münz, Ferdinand, assignor.)
General Aniline & Film Corporation. (See Voss, A., and Billig, assignors.)
General Bronze Corporation. (See Peremi, E., and Kish, assignors.)
General Cable Corporation. (See Atkinson, Ralph W., assignor.)
General Electric Company. (See Bedford, B. D., and Edwards, assignors.)
General Electric Company. (See Brightman, John B., assignor.)
General Electric Company. (See Clark, Hardin T., assignor.)
General Electric Company. (See Foulds, John P., assignor.)
General Electric Company. (See Gibson, Hal, assignor.)
General Electric Company. (See Harbison, George C., assignor.)
General Electric Company. (See Hawkins, Frank J., assignor.)
General Electric Company. (See Holm-Hansen, Osmund, assignor.)
General Electric Company. (See McLenegan, David W., assignor.)
General Electric Company. (See Staak, Julius H., assignor.)
General Electric Company. (See Uhrig, Harry W., assignor.)
General Motors Corporation. (See Gould, Richard E., assignor.)
General Motors Corporation. (See Marvin, John T., assignor.)
General Motors Corporation. (See Scullen, Daniel V., assignor.)
General Motors Corporation. (See Teeter, Wilford H., assignor.)
General Motors Corporation. (See White, Joe, assignor.)
General Printing Ink Corporation. (See Koppe, Alexander T., assignor.)
Genter, Albert H., Ross Township, Allegheny County, assignor to Duquesne Mine Supply Company, Pittsburgh, Pa. Mine conductor support. 2,240,986; May 6.
Gérin, Jacques, Boulogne-sur-Seine, France. Variable surface airfoil. 2,241,196; May 6.
Gibson, Hal, Dallas, Tex., assignor to General Electric Company. Heat pump system. 2,241,060; May 6.
Gift, John, Temple, assignor to Rosedale Knitting Company, Reading, Pa. Fluid control system. 2,241,197; May 6.
Gill, Robert L., Ridgefield, Wash. Automobile window operating device. 2,240,768; May 6.
Gillespie, Leonard W., Greensburg, Ind. Automatic headlight control. 2,240,843; May 6.
Gillett, Frank L. (See Morgan, J. S., Jr., and Gillett.)
Gillette Safety Razor Company. (See Testi, Nicholas, assignor.)
Gilmore, Otto C., Van Nuys, Calif., assignor to Cosmocolor Corporation, Jersey City, N. J. Printing method for color photography. 2,241,124; May 6.

Girard, Emile G. L., Paris, France. Molding device with extensible core. 2,241,125; May 6.
Givens, John H. (See Heywood, A. D., Givens, and Morton.)
Glazer, Max, Dallas, Tex. Manufacturing carbonated ice. 2,240,769; May 6.
Globe Hoist Company. (See Bristol, Cyrus J., assignor.)
Glowka, Martin, New York, N. Y. Warning valve for flat tires. 2,241,198; May 6.
Godfrey, Harold D., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Retracting mechanism for switchboards and the like. 2,241,126; May 6.
Goggin, Jeremiah F., Moline, Ill., and R. E. Hall, Davenport, Iowa. Picture projection. 2,240,844; May 6.
Golden State Company. (See Peebles, David D., assignor.)
Goldschmidt, The, Corporation. (See Lüty, Willy, assignor.)
Good, Frederick C., Philadelphia, Pa. Split suture attachment for full-fashioned knitting machines. 2,241,061; May 6.
Good, Frederick C., Philadelphia, Pa. Verge plate. 2,241,062; May 6.
Goodman Manufacturing Company. (See Cartlidge, Frank, assignor.)
Goodrich, B. F., Company, The. (See Lessig, Edward T., assignor.)
Goodrich, B. F., Company, The. (See Maclachlan, Andrew D., assignor.)
Goodrich, B. F., Company, The. (See Phillips, Warren E., assignor.)
Goodrich, B. F., Company, The. (See Schlade, James W., assignor.)
Goodrich, B. F., Company, The. (See Semon, Waldo L., assignor.)
Goodrich, B. F., Company, The. (See Smith, Kimball D., assignor.)
Görisch, Rolf, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Means and method for reproducing sound from sound films. 2,240,695; May 6.
Gould, King E., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit for cathode ray tubes. 2,241,256; May 6.
Gould, Richard E., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,241,086; May 6.
Grabowsky, Peter P., Cambridge, Mass. Curtain or shade bracket. 2,240,987; May 6.
Grade Crossing Guard Corp. (See Evans, James M., assignor.)
Graham, Charles, Oroville, assignor of one-fourth to H. E. Sullivan and one-fourth to T. Smith, Portola, Calif. Water clarifier. 2,241,346; May 6.
Graham, Clarence R., North Tonawanda, N. Y., assignor to Curtiss-Wright Corporation. Press loading platform. 2,241,344; May 6.
Granite Foundries Corporation, et al. (See Nipper, Heinrich, assignor.)
Granitsas, Kleanthees G. (See Hutchby, J. W., and Granitsas.)
Grant, Reuben. (See Weinstein, Sam, assignor.)
Gray, Garold C. J. (See Cope, J. H., and Gray.)
Gray, Stene E., Hot Springs, Ark. Automatic current cutoff switch for vehicles. 2,240,615; May 6.
Gray Tool Company. (See Smith, Roger, assignor.)
Gray Tool Company. (See Yancey, John R., assignor.)
Grebe, Roland E., Avalon, Pa. Hot-air furnace. 2,241,303; May 6.
Greenewalt, Crawford H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing polyamides. 2,241,323; May 6.
Greenhill, Harold, assignor to Dixie-Vortex Company, Chicago, Ill. Cup machine. 2,240,501; May 6.
Greenpoint Metallic Bed Company. (See Raduns, Solomon, assignor.)
Greer, Edward R. (See Garland, M., and Greer.)
Greig, James D., Kenwood, assignor to The Williams Koehl Company, Cincinnati, Ohio. Display box. 2,240,645; May 6.
Greiner, Carl F., assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio. Coupling device. 2,240,886; May 6.
Greiner, Carl F., assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio. Drive wheel lock. 2,240,887; May 6.
Grimes, Thaddeus S., and N. B. Henry, Columbus, Ga., assignors to Lummus Cotton Gin Company. Baling press. 2,241,063; May 6.
Griswold, Allen G. (See Lowe, R. E., and Griswold.)
Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,241,087; May 6.
Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,241,088; May 6.
Groene, Willard L., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Crankshaft chuck. 2,240,949; May 6.
Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Tank refill and air gap. 2,240,904; May 6.
Gronberg, Clarence, Elgin, assignor to A. B. Carlson, Aurora, Ill. Screen repair device. 2,241,257; May 6.
Gross, Alfred G., Chicago, Ill., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,241,361; May 6.
Gross, Charles J., Melrose, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for applying pressure to shoe bottoms. 2,240,616; May 6.
Grove, George W. (See Bunton, Rheubin L., assignor.)
Grubbe, Gustav W. (See Fisher, G. G., and Grubbe.)
Gruening, William E., assignor to The Stacey Brothers Gas Construction Company, Cincinnati, Ohio. Vent means for waterless gasholders and the like. 2,240,905; May 6.
Gueman, Akibo, New York, N. Y. Attachment for violins and the like. 2,240,696; May 6.
Gustin, Daniel S., Bloomfield, and G. A. Freeman, East Orange, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electron emissive cathode. 2,241,345; May 6.
Gustin, Daniel S., Bloomfield, and G. A. Freeman, East Orange, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electron emissive cathode. 2,241,362; May 6.
Haake, Rudolph W., Sr. (See Barbour, Jabus W., assignor.)
Hageline, Emil E., assignor to The Lathrop-Paulson Company, Chicago, Ill. Milk sampler apparatus. 2,240,888; May 6.
Hagen, Fred J., Crichton, Ala. Whip roll counterbalance. 2,240,646; May 6.
Hahn, Otto W., San Francisco, Calif., assignor to Industrial Research Laboratories, Ltd. Thermostatic fuel control. 2,240,950; May 6.
Hale, James E. (See Wait, E. F., and Hale.)
Hall, Elwin B., et al. (See Werts, Richard A., assignor.)
Hall, Ray E. (See Goggin, J. F., and Hall.)
Hall, William J., Detroit, Mich., assignor to Herron-Zimmers Moulding Company. Molding. 2,240,502; May 6.
Hamachek, Frank, Jr., assignor to Frank Hamachek Machine Company, Kewaunee, Wis. Viner feeder. 2,240,697; May 6.
Hamachek, Frank, Machine Company. (See Hamachek, Frank, Jr., assignor.)
Hamel, William W., Elizabeth, N. J., assignor to Laham Corporation, Wilmington, Del. Ice cream vendor. 2,240,928; May 6.
Hamilton, Francis E. (See Lake, C. D., and Hamilton.)
Hamilton, Walter T., assignor to The Airetool Mfg. Company, Springfield, Ohio. Tube cleaner. 2,240,845; May 6.
Hamjy, Paul W., assignor to International Heater Company, Utica, N. Y. Heating system for buildings. 2,240,951; May 6.
Hammerly, Herman J., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 2,240,770; May 6.
Hammerly, Herman J., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Fuse holder. 2,240,771; May 6.
Hammond, Laurens, Chicago, Ill. Electrical musical instrument. 2,241,363; May 6.
Hammond, Philip D., Metuchen, and R. W. Harris, Raritan Township, Middlesex County, N. J., assignors to Heyden Chemical Corporation, New York, N. Y. Separation of ortho and para chlortoluenes. 2,240,962; May 6.
Hampe, Carl, and E. Kleisly, assignors of one-third to O. A. Hampe, St. Louis, Mo. Pipe coupling clamp. 2,241,089; May 6.
Hampe, George W., and K. W. Miller, Chicago, Ill.; said Miller assignor to said Hampe. Means and method for heating conductors. 2,240,772; May 6.
Hampe, Otto A. (See Hampe, C., and Kleisly, assignors.)
Hanford, William E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing polyamides from cyclic amides. 2,241,322; May 6.
Hanna, William T., Cincinnati, Ohio. Fuel distributing chamber. 2,240,698; May 6.
Hannon, Byron W., Chicago, Ill. Lithography. 2,240,773; May 6.
Hansgirg, Fritz, San Mateo, Calif., assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Production of high purity magnesium. 2,240,817; May 6.
Hanson, John E., St. Paul, Minn. Bird perch. 2,241,259; May 6.
Hanson, Roy E., San Marino, Calif. Feeder for pressure-liquefied fuels. 2,240,846; May 6.
Harbison, George C., Erie, Pa., assignor to General Electric Company. Food storage receptacle for refrigerators. 2,241,064; May 6.
Harder, Edwin L., Forest Hills, and E. H. Klemmer, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Differential protective relaying. 2,240,699; May 6.
Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective relay. 2,241,127; May 6.
Harley, Maldon C., Harlington, Hayes, England. Illuminating device for aircraft. 2,241,128; May 6.
Harman, Eugene S., Chicago, Ill. Prefabricated wall panel. 2,240,774; May 6.
Harold, Charles, New York, N. Y., assignor of one-half to G. H. Shackley, West Milford, N. J. Power unit for amusement devices and the like. 2,240,906; May 6.

Harrigan, Paul D., Milford, Conn., assignor to Air Devices Incorporated, New York, N. Y. Air distributor. 2,240,617; May 6.
Harris, James C., Jr., and G. Sutherland, Baltimore, Md. Polymerizing apparatus. 2,240,618; May 6.
Harris, Robert W. (See Hammond, P. D., and Harris.)
Harris-Seybold-Potter Company, The. (See Wood, William H., assignor.)
Harrison, Robert R., New Haven, Conn. Holding device. 2,241,029; May 6.
Harshman, Jennings B. (See Heltzel, W. G., Harshman, and Polston.)
Harter, Isaac. (See Schlumbohm, Peter, assignor.)
Hartman, George W., Danville, Ill. Game board. 2,240,619; May 6.
Hartman, Harry B., assignor to Norwood Filtration Company, Florence, Mass. Sterilizing unit for water filters. 2,240,648; May 6.
Hartman, Royal L., and H. S. Lowe, Memphis, Tenn. Sanitary bottle lip. 2,240,647; May 6.
Hathaway, Walter J., Kankakee, Ill., and E. F. Frondorf, Harrison, Ohio. Locomotive stoker. 2,241,129; May 6.
Hawkins, Frank J., Rugby, England, assignor to General Electric Company. Lamp socket. 2,241,065; May 6.
Hawkinson, Paul E., assignor to Paul E. Hawkinson Company, Minneapolis, Minn. Buffing device. 2,240,559; May 6.
Hawkinson, Paul E., Company. (See Hawkinson, Paul E., assignor.)
Hays, James B., Cambridge, Mass., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing apparatus. 2,240,929; May 6.
Hazel-Atlas Glass Company. (See Ross, James W., assignor.)
Hazeltine Corporation. (See Cawein, Madison, assignor.)
Hazeltine Corporation. (See Kemp, Lloyd A. W. E., assignor.)
Hazeltine Corporation. (See Lewis, Harold M., assignor.)
Hazeltine Corporation. (See Wilson, John C., assignor.)
Heist, Earl F., et al. (See Berry, John T., assignor.)
Heltzel, William G., J. B. Harshman, and J. R. Polston, assignors to Stanolind Pipe Line Company, Tulsa, Okla. Control system for pipe lines. 2,240,775; May 6.
Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,241,348; May 6.
Hem, Halvor W., Toledo, Ohio, assignor to Toledo Scale Company. Weighing scale. 2,241,347; May 6.
Hem, Halvor W., Toledo, Ohio, assignor to Toledo Scale Company. Weighing scale. 2,241,349; May 6.
Hemphill Company. (See Cloutier, Arthur N., assignor.)
Hench, Jacob A., Mankato, Minn. Wheeled sectional harrow. 2,240,889; May 6.
Henderson, Albert, Edgewood, assignor to W. P. Witherow, Pittsburgh, Pa. Apparatus for making concrete blocks. 2,240,776; May 6.
Henry, James R., and R. P. Downing, Tulsa, Okla. Pumping unit. 2,241,090; May 6, 1941.
Henry, Nelson B. (See Grimes, T. S., and Henry.)
Henschel, Friedrich, assignor to Patentverwertungs-Gesellschaft mit beschrankter Haftung "Hermes," Berlin, Germany. Driving device for mills. 2,240,649; May 6.
Hercules Powder Company. (See Bachelder, Calvin L., assignor.)
Hercules Powder Company. (See Ender, Clarence D., assignor.)
Hercules Powder Company. (See Littmann, Edwin R., assignor.)
Hercules Powder Company. (See Miller, Abraham B., assignor.)
Herr, Harvey E., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Bobbin or yarn package holder. 2,241,260; May 6.
Herr Manufacturing Company. (See Herr, Harvey E., assignor.)
Herron-Zimmers Moulding Company. (See Crowe, Orley J., assignor.)
Herron-Zimmers Moulding Company. (See Hall, William J., assignor.)
Hershman, Okla H., assignor to Star-Lite Marker Company, Inc., Indianapolis, Ind. Signal. 2,240,777; May 6.
Hertel, Kenneth L., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn. Liquid level indicator. 2,240,988; May 6.
Hess, Walter R., assignor to Industrial Patents Corporation, Chicago, Ill. Treatment of curing pickle. 2,241,030; May 6.
Hetzer, Russell A., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Automatic control of the liquid level for evaporators. 2,240,952; May 6.
Heyden Chemical Corporation. (See Bogart, M. J. P., and Carter.)
Heyden Chemical Corporation. (See Hammond, P. D., and Harris, assignors.)
Heyer, Don, St. Louis, Mo. Automatic power transmission. 2,240,650; May 6.
Heywood, Alfred D., Wolverhampton, and J. H. Givens and E. A. Morton, Coventry, assignors to Courtaulds, Limited, London, England. Apparatus for the production of artificial threads. 2,241,304; May 6.
Heywood-Wakefield Company. (See Hill, Oiva E., assignor.)
Hiatt, Gordon D. (See Malm, C. J., and Hiatt.)
Hicks, Edward, and C. L. Schnakenberg, Elmsford, N. Y. Combined illuminating and signal lamp. 2,241,066; May 6.
Hid-Lok Corporation. (See Smith, Arthur E., assignor.)
Hildebrecht, Charles V., Chicago, Ill., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Magnetic switch. 2,240,847; May 6.
Hill, Arthur D., Jr., Los Angeles, Calif. Propelling device. 2,241,305; May 6.
Hill, Oiva E., assignor to Heywood-Wakefield Company, Gardner, Mass. Car-seat base. 2,240,620; May 6.
Hines, William G. (See Hines, William J. and W. G.)
Hines, William J., Hartford, and W. G. Hines, West Hartford, Conn. Hand loom. 2,241,199; May 6.
Hirsch, George B., and W. S. Renier, Providence, R. I., assignors to Brown and Sharpe Manufacturing Company. Power driving and control mechanism. 2,241,130; May 6.
Hirvonen, Eric J., assignor to Leland-Gifford Company, Worcester, Mass. Hydraulically operated machine tool. 2,241,014; May 6.
Hitch, Frederick A. N. (See Thomas, F. M., and Hitch.)
Hlobil, Josef S. J. (See Babb, C. H., and Hlobil.)
Hoburg, William L., trustee. (See Probst, Karl K., assignor.)
Hoffman, Andrew. (See Bock, Charles S., assignor.)
Holden, William H. T., Long Island City, N. Y., and F. A. Hubbard, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,241,031; May 6.
Holloway, John Q. A., New York, N. Y. Sound reproducing apparatus. 2,241,131; May 6.
Holm-Hansen, Osmund, Stratford, Conn., assignor to General Electric Company. Sadiron. 2,241,067; May 6.
Honig, Heinrich, legal representative. (See Hönig, Max.)
Hönig, Max, deceased; H. Hönig, legal representative, assignor of thirty per cent to W. Feith, Brunn, Czechoslovakia. Obtaining a tanning agent from waste sulphite liquor. 2,241,306; May 6.
Hood, Josa. A., Philadelphia, Pa. Tube-end expander. 2,241,091; May 6.
Hood, Norman R., and S. B. Spencer, Runcorn, England, assignors to Imperial Chemical Industries Limited. Degreasing of metal articles. 2,240,989; May 6.
Hood, Stanley R. (See Alban, C. F., and Hood.)
Hoover Company, The. (See Beach, Justice H., assignor.)
Hoover Company, The. (See Coons, Curtis C., assignor.)
Hoover Company, The. (See Gross, Alfred G., assignor.)
Hoover Company, The. (See Smellie, Donald G., assignor.)
Hopff, Heinrich, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Producing chlorinated ethers. 2,241,200; May 6.
Hopff, Heinrich, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Condensation products from butane tetracarboxylic acids and producing same. 2,241,201; May 6.
Horger, Ralph E., assignor to The Timken Roller Bearing Company, Canton, Ohio. Locomotive rod bearing. 2,241,350; May 6.
Horlacher, Albert F. (See Woodruff, A. E., and Horlacher.)
Horn, George B., Fairfield, assignor to Wheeler Insulated Wire Company, Bridgeport, Conn. Transformer. 2,241,261; May 6.
Horni, Paul P., Newark, N. J. Traffic signaling system. 2,240,848; May 6.
Horrocks, Walter E., Lakewood, Ohio. Lubricant retaining casing. 2,241,032; May 6.
Horton, Frank, assignor to Foreign Rights (Precision Meters) Limited, London, England. Liquid meter. 2,241,132; May 6.
Hotchkiss, E. H., Company, The. (See Polzer, F., and Peterson, assignors.)
Houdaille-Hershey Corporation. (See Jandus, Herbert S., assignor.)
Houdaille-Hershey Corporation. (See Jandus, H. S., and Fergueson, assignors.)
Houdaille-Hershey Corporation. (See Sandberg, R. A., and Duncan, assignors.)
Houdaille-Hershey Corporation. (See Schatzman, George W., assignor.)
Hougardy, Hans. (See Scherer, R., Riedrich, and Hougardy.)
Howell, Charlie W., McDermitt, Nev. Light fixture. 2,240,651; May 6.
Hubbard, Francis A. (See Holden, W. H. T., and Hubbard.)
Huckeba, Robert L., Aragon, Ga. Cotton chopper. 2,241,133; May 6.
Huggins, Leroy G., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air conditioning apparatus. 2,241,033; May 6.
Hulbert, Clinton H., Venice, Calif. Electromagnetic hammer. 2,241,364; May 6.
Hull, George A. (See O'Connor, A. F., and Hull.)
Hull, William H. (See Maloney, J. E., Burkhardt, and Hull.)
Hunt, Carll W., assignor to Hunt Process Company, Los Angeles, Calif. Method of and means for curing concrete. 2,240,778; May 6.

Hunt, Marion J., Peoria, and J. Moore, Urbana, Ill., assignors to Wood Brothers Thresher Company, Des Moines, Iowa. Grain separator. 2,240,779; May 6.
Hunt Process Company. (See Hunt, Carll W., assignor.)
Hunt, Rodney, Machine Company. (See Simonds, Warren J., assignor.)
Hunter, Thomas M., East Orange, N. J. Rotary welding transformer. 2,241,015; May 6.
Hunter, W. H., Engineering Co. (See Hunter, William H., assignor.)
Hunter, Lytle G., assignor to Hunter Sash Company, Inc., Flushing, N. Y. Mounting for panels. 2,240,930; May 6.
Hunter Sash Company. (See Hunter, Lytle G., assignor.)
Hunter, William H., Findlay, Ohio, assignor to W. H. Hunter Engineering Co. Flat groove valve body and packing means therefor. 2,240,780; May 6.
Hurd, John C. H., assignor to Wildt and Company Limited, Leicester, England. Circular knitting machine. 2,241,134; May 6.
Hurd, Mark M., assignor to Mark Hurd Manufacturing Corporation, Minneapolis, Minn. View finder for aerial cameras. 2,240,931; May 6.
Hurd, Mark, Manufacturing Corporation. (See Hurd, Mark M., assignor.)
Hutchby, John W., Sudbury, and K. G. Granitsas, Marlborough, Mass. Ash receiver. 2,241,034; May 6.
Huxford, Walter S., Evanston, Ill., assignor, by mesne assignments, to Standard Oil Development Company, Linden, N. J. Method and apparatus for determining the wave form of a periodic electrical impulse. 2,241,371; May 6.
Hydraulic Brake Company. (See Bowen, Herbert C., assignor.)
Hydraulic Brake Company. (See Rouch, Everett W., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schlack, Paul, assignor.)
Imperial Chemical Industries Limited. (See Hood, N. R., and Spencer, assignors.)
Imperial Chemical Industries Limited. (See Tyce, G. C., and Lefebure, assignors.)
Imperial Machine Company. (See Garland, M., and Greer, assignors.)
Independent Casing Company. (See Fisher, G. G., and Grubbe, assignors.)
Indge, Herbert S., Westboro, and F. E. Johnson, assignors to Norton Company, Worcester, Mass. Lapping machine. 2,241,351; May 6.
Industrial Patents Corporation. (See Hess, Walter R., assignor.)
Industrial Patents Corporation. (See Ramsbottom, John M., assignor.)
Industrial Research Laboratories, Ltd. (See Hahn, Otto W., assignor.)
International Business Machines Corporation. (See Bryce, James W., assignor.)
International Business Machines Corporation. (See Carroll, Fred M., assignor.)
International Business Machines Corporation. (See Doty, Charles R., assignor.)
International Business Machines Corp. (See Lake, C. D., and Hamilton, assignors.)
International Business Machines Corporation. (See Mills, A. W., Furman, and Walsoe, assignors.)
International Business Machines Corporation. (See Paris, Robert E., assignor.)
International Business Machines Corporation. (See Rumbutis, Bernard R., assignor.)
International Business Machines Corporation. (See Torkelson, Torkel E., assignor.)
International Heater Company. (See Hamjy, Paul W., assignor.)
International Resistance Company. (See Marsten, Jesse, assignor.)
Ives, Clifford E., Chicago, Ill. Control mechanism. 2,240,781; May 6.
Jacobs, E. H., Mfg. Co. (See Clark, Breckenridge T., assignor.)
Jacobsen, Oystein, Montgomery County, assignor to The Duriron Company, Inc., Dayton, Ohio. Hydraulic pump with leak-preventing construction. 2,240,782; May 6.
Jaimet, Martin D., and F. C. Kercher, Indianapolis, Ind. Bait target. 2,241,135; May 6.
James Manufacturing Company. (See Olson, J. B., and Petraske, assignors.)
James Manufacturing Company. (See Waterman, Arthur E., assignor.)
Jameson, Herbert M., Bridgnorth, England. Axminster loom. 2,241,202; May 6.
Jandus, Herbert S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Toggle brake lever. 2,240,783; May 6.
Jandus, Herbert S., and A. P. Fergueson, assignors to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield. 2,241,035; May 6.
Jenckes Knitting Machine Company. (See Westcott, Valorus S., assignor.)
Jenkins, Charles F., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dynamoelectric machine with distorted field flux. 2,240,652; May 6.
Jenkins, Charles F., Forest Hills, and R. E. Rambo, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Fan. 2,240,653; May 6.
Jewell, Bernard W., Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich. Air conditioning unit. 2,240,784; May 6.
Jochem, Theodore B., and C. W. Kuhn, Wauwatosa, and W. C. Stevens, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Blowout device for electric switches. 2,240,654; May 6.
Johns, Winthrop A., New Brunswick, N. J., assignor to Research Corporation, New York, N. Y. Gear shifting apparatus. 2,240,621; May 6.
Johnson, Carl V., assignor to Bendix Aviation Corporation, South Bend, Ind. Shock strut. 2,241,068; May 6.
Johnson, Franklin E. (See Indge, H. S., and Johnson.)
Johnson, Herbert C., Wilmette, Ill. Illuminated mirror. 2,240,785; May 6.
Johnson, L. R., et al. (See Walker, Nathan E., assignor.)
Johnson, Samuel J., West Chester, assignor to Clopay Corporation, Cincinnati, Ohio. Fringed window shade. 2,241,352; May 6.
Jones, Bessie M., Madisonville, Ky. Obstetrical appliance. 2,241,136; May 6.
Jones, Lewis, Youngstown, Ohio. Speed modulating device. 2,241,137; May 6.
Jones, Paul W. (See Swezey, J. W., and Jones.)
Jones, Samuel G., Princess Anne County, assignor to Berkley Machine Works and Foundry Company, Inc., Norfolk, Va. Locomotive stoker. 2,241,372; May 6.
Jörg, Eugen. (See Kuppenbender, H., Eyth, and Jörg.)
Juelss, David, Brooklyn, N. Y., and F. Drews, Woodcliff, assignors to American Lead Pencil Company, Hoboken, N. J. Apparatus for making pencil leads. 2,241,203; May 6.
Jullien, Maurice F. A., Paris, France. Resilient support. 2,241,138; May 6.
Jullien, Maurice F. A., Paris, and J. F. Paulsen, Viroflay, France. Engine unit mounting. 2,241,139; May 6.
Jurgllanis, Leo, Milwaukee, Wis. Lawn sprinkler. 2,241,092; May 6.
Kamket Corporation. (See Freundlich, Albert, assignor.)
Kansas Flour Mills Corporation. (See Garratt, Earl C., assignor.)
Kardell, S. C., et al. (See Lewis, Ted I., assignor.)
Karitzky, John. (See Pleister, H. W., and Karitzky.)
Kasper, Herbert R., assignor to "Universelle" Cigarettenmaschinenfabrik J. C. Mueller & Co., Dresden, Germany. Cigar filler press. 2,241,069; May 6.
Katz, Frederick L. (See Cohen, Alvin H., assignor.)
Kavle, Oscar C., Syracuse, N. Y. Shaver. 2,240,890; May 6.
Kaye, Stanley J., Cleveland, Ohio. Apparatus for mulling beverages. 2,240,953; May 6.
Kayler, Frank H. (See Kinne, E. P., and Kayler.)
Kearney & Trecker Corporation. (See Armitage, Joseph B., assignor.)
Keet, Gabriel C. E., Johannesburg, Transvaal, Union of South Africa. Gathering or pleating textile and like material. 2,240,990; May 6.
Keiser, Bernhard. (See De Groote, M., and Keiser.)
Keitel, Christian W., East Orange, assignor to Baker & Company, Inc., Newark, N. J. Electrical contact. 2,241,262; May 6.
Kelly, George. (See Styles, Robert, assignor.)
Kemp, Lloyd A. W. E., Wembley, England, assignor to Hazeltine Corporation. Magnetic lens system. 2,240,700; May 6.
Kennedy, John A., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Spindle. 2,241,140; May 6.
Kercher, Frank C. (See Jaimet, M. D., and Kercher.)
Kern, Conrad J., Drexel Park, assignor to The Moore & White Co., Philadelphia, Pa. Tension regulator for paper feed rolls. 2,241,307; May 6.
Kettenbach, Oscar L., Tucson, Ariz., assignor to Chemical Seed Treating and Delinting Corporation. Apparatus for the treatment of cottonseed and the like. 2,240,503; May 6.
Keyes, Grafton H. (See Brooker, L. G. S., and Keyes.)
Keyston, John E., Hayes, and L. F. Broadway, Hillingdon, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Signaling system. 2,241,204; May 6.
Kimber, George A., Chicago, Ill. Supporting device for eyeglasses, spectacles, and the like. 2,241,205; May 6.
King, Albert T. and K. A., Orange, Calif. Valve. 2,240,560; May 6.
King, Bertell W., Brooklyn, N. Y. Beam measuring instrument. 2,240,701; May 6.
King, Gerald V., Chatham, F. A. Korn, Elizabeth, and R. K. McAlpine, Rutherford, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,241,016; May 6.
King, Howard J., Wilkinsburg, Pa., assignor to Nichols Engineering & Research Corporation, New York, N. Y. Ash removing apparatus for incinerators or the like. 2,240,702; May 6.
King, Kenneth A. (See King, Albert T. and K. A.)
Kinne, Edmund P., and F. H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill. Draft connection. 2,241,353; May 6.
Kinser, Vernon, Butterfield, Mo. Automatic shaft brake device. 2,240,932; May 6.
Kinzer, William W., assignor to Armstrong Cork Company, Lancaster, Pa. Expansion joint for sectional concrete paving and similar structures. 2,240,786; May 6.

Kinzer, William W., assignor to Armstrong Cork Company, Lancaster, Pa. Expansion joint for sectional paving. 2,240,787; May 6.

Kish, Charles. (See Peremi, E., and Kish.)

Klavik, Miloš, Prague-Smichov, Czechoslovakia. Chassis of rear-engined motor vehicles. 2,241,036; May 6.

Klavik, Miloš, Prague-Smichov, Czechoslovakia. Vehicle having air cooled engines at the rear thereof. 2,241,037; May 6.

Klavik, Miloš, Prague-Smichov, Czechoslovakia. Chassis of rear-engined vehicles. 2,241,038; May 6.

Kleisly, Everett. (See Hampe, C., and Kleisly.)

Klemmer, Edward H. (See Harder, E. L., and Klemmer.)

Klopfenstein, Clara B., Bonner Springs, Kans. Utility tool. 2,240,705; May 6.

Knab, Max, Brooklyn, N. Y., assignor to Sprague Specialties Co., North Adams, Mass. Winding machine. 2,241,141; May 6.

Knabusch, Edward M., and E. J. Shoemaker, assignors to Floral City Furniture Co., Monroe, Mich. Chair. 2,240,850; May 6.

Köber, Fritz. (See Vierling, O., and Köber.)

Köber, Fritz, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Projector for stereoscopic pictures. 2,240,703; May 6.

Kochta, Johann P. (See Raschke, F. O., and Kochta.)

Kock, Winston E., assignor to The Baldwin Company, Cincinnati, Ohio. Electric oscillation generator. 2,240,788; May 6.

Koehl, William, Company, The. (See Greig, James D., assignor.)

Koivu, Arvo I., Intola, Ontario, Canada. Gaff hook. 2,241,308; May 6.

Komenda, Erwin, Stuttgart-Korntal, assignor to Dr. Ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany. Body wall lining covering and connecting device. 2,240,933; May 6.

Koninklijke Luchtvaart Maatschappij voor Nederland en Koloniën N. V. (See Plesman, Albert, assignor.)

Koppe, Alexander T., Chicago, Ill., assignor to General Printing Ink Corporation, New York, N. Y. Character plate for photographic lettering machines. 2,241,263; May 6.

Korn, Franklin A. (See King, G. V., Korn, and McAlpine.)

Koster, Frederick W., Meadville, Pa. Apparatus for the production of broken filament yarn. 2,241,206; May 6.

Kouba, Otto, North Bergen, N. J. Exhaust pipe and boiler tube collapser and puller. 2,241,207; May 6.

Kovalik, Anthony, Homestead, Pa. Ironing board bag. 2,241,309; May 6.

Krall, Reginald F., and F. S. Townend, assignors to Woodall-Duckham (1920) Limited, London, England. Charging device for coking chambers. 2,241,310; May 6.

Kreuz, Robert L., Detroit, Mich., assignor to Wolverine Fabricating & Manufacturing Company, Inc. Sheet packing and gasket. 2,240,789; May 6.

Krister, Charles J., Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of beta-diketones. 2,240,934; May 6.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Filled container gassing apparatus. 2,240,655; May 6.

Kucera, Frank A., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,241,264; May 6.

Kuettner, Harold F., Dundee, Ill. Burial vault. 2,241,208; May 6.

Kuhn, Clarence W. (See Jochem, T. B., Kuhn, and Stevens.)

Kuney, Agnes, La Grange, Ill. Hinge stop attachment. 2,240,790; May 6.

Kuppenbender, Heinz, Dresden, H. Eyth, Stuttgart-Sonnenberg, and E. Jörg, Stuttgart, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photographic camera. 2,241,017; May 6.

Kurth, Franz J., New York, N. Y., assignor to Anemostat Corporation of America. Air supply device. 2,240,991; May 6.

Küster, Ferdinand, Munster, Westphalia, Germany. Suspension for lubrication and other purposes. 2,241,143; May 6.

Kvalheim, Ananias A., Petaluma, Calif. Saw feeding apparatus. 2,241,142; May 6.

La Grotta, Frank, assignor to Conver Steel & Wire Co., Inc., New York, N. Y. Portable clothes rack. 2,240,561; May 6.

Laham Corporation. (See Hamel, William W., assignor.)

Lake, Clair D., Binghamton, and F. E. Hamilton, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Card controlled typewriter. 2,240,562; May 6.

Lake, Clair D., Binghamton, and F. E. Hamilton, Endicott, assignors to International Business Machines Corp., New York, N. Y. Zero eliminating means. 2,240,563; May 6.

Lake Shore Mines Limited. (See Blomfield, A. L., and Crocker, assignors.)

Landau, Joseph N., New York, N. Y. Fountain pen. 2,240,992; May 6.

Landauer, Fritz, New York, N. Y. Portable electrogalvanic apparatus for use in connection with baths or the like. 2,240,504; May 6.

Lange, Max H., Maspeth, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Slider for separable fasteners. 2,240,704; May 6.

Lathrop Paulson Company, The. (See Hageline, Emil E., assignor.)

Lattin, George E., Franklin, N. Y. Washer for milk test bottles. 2,241,144; May 6.

Law, Russell R., West Orange, N. J., assignor to Radio Corporation of America. Luminescent screen. 2,240,706; May 6.

Lawson, Claude S. (See Schiffman, L. R. E., Lawson, and Blakemore.)

Lawson, Walter E., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Filtration utilizing porous cements. 2,240,622; May 6.

Lazrus, Benjamin, Lawrence, assignor to Benrus Watch Company, New York, N. Y. Initial wrist-watch case. 2,240,993; May 6.

Lea, Edward S., Morrisville, Pa. Finned condenser tube. 2,241,209; May 6.

Le Blond R. K., Machine Tool Company, The. (See Groene, Willard L., assignor.)

Lechleitner, Aloysius E., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film magazine. 2,241,265; May 6.

Lederle Laboratories, Inc. (See Voigt, E. F., and Phillips, assignors.)

Lee, Don, Broadcasting System. (See Lubcke, Harry R., assignor.)

Leeseberg, Harry F., Cleveland, Ohio. Apparatus for dispensing carbonated beverages. 2,240,791; May 6.

Lefebure, Victor. (See Tyce, G. C., and Lefebure.)

Leland-Gifford Company. (See Hirvonen, Eric J., assignor.)

Leonard, Ray S. (See Brown, Benjamin W., assignor.)

Leplu, Maurice, Le Peage de Roussillon, assignor to Societe Rhodiaceta, Lyon, France. Sulphur trioxide. 2,240,935; May 6.

Lessig, Edward T., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method of and apparatus for fatigue-testing filamentary articles. 2,240,505; May 6.

Lessing, Otto. (See Meacham, M. R., and Lessing.)

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Trailer. 2,240,564; May 6.

Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)

Levesque, George N., and M. F. Sebring, Providence, R. I., assignors to Brown and Sharpe Manufacturing Company. Power knockout device for machine tools. 2,240,506; May 6.

Levy, Maurice L., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Signaling system. 2,241,145; May 6.

Lewis, Ernest R., Richmond, Va. Locomotive smokestack. 2,241,311; May 6.

Lewis, Harold M., Great Neck, N. Y., assignor to Hazeltine Corporation. Television synchronizing and control system. 2,240,507; May 6.

Lewis, Ted I., assignor of one-fourth to A. L. Taplin, one-fourth to G. R. Brown, and one-fourth to S. C. Kardell, Corpus Christi, Tex. Gas igniting device. 2,240,508; May 6.

Lewis, William A., Jr. (See Sonneimann, W. K., and Lewis.)

Lieber, Dora, executrix. (See Lieber, Hugo.)

Lieber, Hugo, deceased, by D. Lieber, executrix, New York, N. Y., assignor to Lieber Patents Corporation. Hearing aid. 2,241,093; May 6.

Lieber Patents Corporation. (See Lieber, Hugo, assignor.)

Liebreich, Oscar P., Elmhurst, N. Y. Self-adjusting brake. 2,240,792; May 6.

Liipfert, Bailey B., et al. (See Flynt, Robert C., assignor.)

Lindstrom, Ture, Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupting device. 2,240,623; May 6.

Lindstrom, Ture, Edgewood, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,240,656; May 6.

Line Material Company. (See Mack, Edward A., assignor.)

Lipe, W. C., Inc. (See Spase, C. B., and Root, assignors.)

Little, Howard J., Fort Thomas, Ky., assignor to The Andrews Steel Company. Machine for manufacturing sheet metal surfacing units. 2,241,146; May 6.

Littmann, Edwin R., assignor to Hercules Powder Company, Wilmington, Del. Dehydroabietic acid derivatives. 2,240,936; May 6.

Lloyd, Charles, assignor to Self-Service Carbonator, Inc., Brooklyn, N. Y. Apparatus for making and dispensing charged beverages. 2,241,018; May 6.

Lokken, Julius B., Vining, Minn. Safety tractor hitch. 2,240,657; May 6.

Lott, Lacy, et al. (See Smith, Garland, assignor.)

Love, Leslie E., Albuquerque, N. Mex., dedicated to the free use of the People in the territory of the United States. Rotary subsoiler. 2,240,994; May 6.

Lowe, Harry S. (See Hartman, R. L., and Lowe.)

Lowe, Russell E., East Orange, and A. G. Griswold, Westfield, N. J., assignors to Cities Service Oil Company, New York, N. Y. Making high temperature refractories. 2,241,354; May 6.

Lowther, Wilfred W., assignor, by mesne assignments, of twenty-five per cent to R. C. Donaldson, twenty per cent to R. H. Donaldson, twelve and one-half per cent to A. Donaldson Olin, six and one-fourth per cent to M. D. Buckeye, six and one-fourth per cent to R. A. Buckeye, twenty-five per cent to R. C. Donaldson, as trustee, and five per cent to M. M. Donaldson, St. Paul, Minn. Backfire oil trap. 2,240,851; May 6.

Lubcke, Harry R., assignor to Don Lee Broadcasting System, Los Angeles, Calif. Band-pass filter. 2,240,849; May 6.

Luckett, Marianne E., executrix. (See Luckett, William S., assignor.)

Luckett, William S., New York, N. Y., deceased, M. E. Luckett, executrix. Knockdown reusable hogshead. 2,241,210; May 6.

Lugo, Leoner A. (See Carreras, J. R., and Lugo.)

Lummus Company, The. (See Bogart, M. J. P., and Carter, assignors.)

Lummus Company, The. (See Brunjes, Austin S., assignor.)

Lummus Cotton Gin Company. (See Grimes, T. S., and Henry, assignors.)

Lüty, Willy, Essen-Bredeney, Germany, assignor, by mesne assignments, to Th. Goldschmidt Corporation, New York, N. Y. Manufacture of laminated fibrous articles. 2,241,312; May 6.

Mack, Perry E., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Internal combustion engine. 2,241,211; May 6.

Mack, Edward A., Huntington, W. Va., assignor to Line Material Company, South Milwaukee, Wis. Insulator pin reinforcing bracket. 2,241,212; May 6.

Maclachlan, Andrew D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Hose and making the same. 2,241,355; May 6.

Macwhyte Company. (See Russell, William C., assignor.)

Magee, Charles L., Washington, D. C., assignor of one-half to C. L. Thomas, Denver, Colo. Thermoinhaler. 2,241,356; May 6.

Magid, Louis. (See Shelton, R. S., and Magid.)

Magnesium Development Corporation. (See Suchy, R., and Seliger, assignors.)

Maier, Albert, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen-on-the-Bodensee, Germany. Change speed gear. 2,240,995; May 6.

Maier, Friedrich E., Berlin-Charlottenburg, Germany. Vehicle body. 2,241,147; May 6.

Maire, Fritz. (See Meyer, F., and Maire.)

Maillalieu, Frank R., Oxford, Pa., assignor to Dictograph Products Company, Inc., New York, N. Y. Balanced telephone circuit. 2,240,509; May 6.

Malm, Carl J. and G. D. Hiatt, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of cellulose esters containing unsaturated higher acid radicals. 2,241,226; May 6.

Maloney, James E., F. R. Burkhardt, and W. H. Hull, Kansas City, Mo., Trolley car. 2,240,954; May 6.

Manning, Maxwell & Moore, Inc. (See Schramm, Christopher H., assignor.)

Manson, Ray H., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Combined radio and phonograph control system. 2,241,148; May 6.

Marchant, Stanley W., Mishawaka, Ind. Electrical control device. 2,240,891; May 6.

Marien, Charles A., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston ring. 2,240,624; May 6.

Marsten, Jesse, assignor to International Resistance Company, Philadelphia, Pa. Volume control. 2,240,565; May 6.

Marvel, Harvey E., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Separable filter screen. 2,240,793; May 6.

Marvin, John T., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Making composite articles. 2,241,094; May 6.

Marvin, John T., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Making porous metal structures. 2,241,095; May 6.

Maschinenfabrik Augsburg-Nurnberg. (See Dietrich, Paul, assignor.)

Mason, John C., Long Beach, Calif. Drilling lift. 2,240,794; May 6.

Master Electric Company, The. (See Carlson, John T., assignor.)

Mathern, William W., Maple Shade, N. J., assignor to Radio Corporation of America. Tube socket. 2,240,658; May 6.

Mattison, Norman D., Montclair, N. J. Mattress construction. 2,241,039; May 6.

Maul, Michael, Berlin-Johannisthal, assignor to the firm Deutsche Hollerith Maschinen Gesellschaft m. b. H., Berlin-Lichterfelde, Germany. Card punching machine. 2,240,566; May 6.

Mayne, Lyle K., and A. Callander, Linden, N. J., assignors to American Cyanamid & Chemical Corporation, New York, N. Y. Metal frame for building construction units. 2,241,266; May 6.

Maxant, William T., Ayer, Mass. Pinking machine. 2,240,996; May 6.

May, Erwin, Wetzlar, Germany, assignor, by mesne assignments, to F. Dumur, Lausanne, Switzerland. Electric lamp for picture projection. 2,240,707; May 6.

McAlpine, Roderick K. (See King, G. V., Korn, and McAlpine.)

McCass Company, The. (See Berger, Hans H., assignor.)

McColl, Norman H. (See Sundstrom, Axel G., assignor.)

McCormick, George, Redwood City, B. M. Brown, Palo Alto, and F. E. Russell, Alameda, Calif. Locomotive crankpin bearing. 2,240,708; May 6.

McCullough, Jack A. (See Eitel, W. W., and McCullough.)

McCullough, Neel M., assignor to The Pierce Governor Company, Anderson, Ind. Wide range governor for Diesel engines. 2,241,096; May 6.

McKinnie, Earle C., Oak Park, Ill. Holder for reflectors and the like. 2,240,659; May 6.

McKittrick, Donald S. (See Tijmstra, S., and McKittrick.)

McLain, Howard H., et al. (See Fuchs, Philip, assignor.)

McLaughlin, F. L. (See Burke, James P., assignor.)

McLenegan, David W., Caldwell, N. J., assignor to General Electric Company. Heat pump system. 2,241,070; May 6.

McMaster, Archie J., Highland Park, assignor to G-M Laboratories, Inc., Chicago, Ill. Electric contact. 2,240,997; May 6.

McNaney, Joseph T., Baltimore, Md. Recording system. 2,240,937; May 6.

McNaney, Joseph T., Baltimore, Md. Recording apparatus. 2,240,938; May 6.

McQuay-Norris Manufacturing Company. (See Mummert, Arden J., assignor.)

Meacham, Merle R., and O. Lessing, Elizabeth, N. J., assignors to Standard Oil Development Company. Cofferdam. 2,240,567; May 6.

Mead, Dell A., Detroit, Mich. Oscillation joint. 2,240,709; May 6.

Mead, Dell A., Detroit, Mich. Oscillation joint. 2,240,710; May 6.

Meakin, Edgar T., San Francisco, Calif. Extrusion mill. 2,240,660; May 6.

Meighan, William A., Portland, Oreg. Logging choker and fitting therefor. 2,240,510; May 6.

Mento, Francesco, Milan, Italy. Trolley system for streetcars and other electric cars. 2,241,149; May 6.

Mercier, Jean, Neuilly-sur-Seine, France. Jointed mechanism chiefly adapted for use upon undercarriages of aircraft. 2,241,213; May 6.

Mergel, Heinrich, Dusseldorf, Germany, assignor, by mesne assignments, to Schloemann Engineering Corporation, Pittsburgh, Pa. Forging press. 2,240,661; May 6.

Merrill, John E., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,240,511; May 6.

Merrell, Wm. S., Company, The. (See Shelton, R. S., and Magid, assignors.)

Meter Motor Products Co. (See Probst, Karl K.)

Metropolitan Engineering Company. (See Phelps, George H., assignor.)

Metzger, Floyd J., assignor, by mesne assignments, to U. S. Industrial Alcohol Co., New York, N. Y. Production of ethylene oxide. 2,241,019; May 6.

Meyer, Franz, and F. Maire, Bradenburg, Havel, assignors to Arado Flugzeugwerke Gesellschaft mit beschraenkter Haftung, Babelsberg, near Berlin, Germany. Retractable undercarriage for aircraft. 2,240,892; May 6.

Meyer, Maximilian C., Brooklyn, N. Y. Curved surface light reflecting ornament. 2,241,365; May 6.

Mezzapesa, Stephen, New York, N. Y. Liquid dispensing system and a cap therefor. 2,241,097; May 6.

Michelin & Cie. (See Bourdon, Pierre M., assignor.)

Micka, Henry R., Oshkosh, Wis. Turbulator. 2,240,893; May 6.

Midland Saw & Tool Company, The. (See Shaw, Henry, assignor.)

Midland Steel Products Company, The. (See Riemenschneider, Ernest, assignor.)

Miles, Forest G., et al. (See Flynt, Robert C., assignor.)

Miller, Abraham B., Newark, assignor to Hercules Powder Company, Wilmington, Del. Binding agent for linoleum. 2,240,939; May 6.

Miller, Arthur S., Fargo, N. Dak., and J. R. Ritchie, assignors to Wm. Bros. Boiler & Mfg. Company, Minneapolis, Minn. Road rolling machine. 2,241,098; May 6.

Miller, Clarence R., Bell, assignor of one-half to R. F. and V. B. Morgan, South Gate, Calif. Exhaust muffler. 2,241,150; May 6.

Miller, Jack H., et al. (See Fuchs, Philip, assignor.)

Miller, Kenneth W. (See Hampe, G. W., and Miller.)

Miller, Rudolph W., Winona, Minn. Waste puller and method. 2,241,151; May 6.

Miller, Trevlyn W., Parkview, Johannesburg, Transvaal, South Africa. Valve or cock. 2,240,711; May 6.

Mills, Albert W., Endicott, F. J. Furman, Vestal, and S. L. Walsoe, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Sheet feeding apparatus. 2,240,568; May 6.

Mills, William J. E. Hollywood, Calif. Attachment for coat hangers. 2,241,099; May 6.

Milster, Arthur N., Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Braking system for assisting in steering. 2,241,214; May 6.

Milwaukee Gas Specialty Company. (See Hildebrecht, Charles V., assignor.)

Mine and Smelter Supply Company, The. (See Adams, James A., assignor.)
Miner, James H., Meridian, Miss. Ice tray for refrigerators. 2,241,313; May 6.
Minneapolis-Honeywell Regulator Company. (See Buck, Chauncey M., assignor.)
Minneapolis-Honeywell Regulator Company. (See Sparrow, Hubert T., assignor.)
Mitchell, Courtney N. (See Denneen, F. S., Dunn, and Mitchell.)
Mittelmann, Eugen, Vienna, Germany. High frequency wattmeter. 2,240,955; May 6.
Moats, Willie M., Cairo, W. Va. Fishing lure. 2,241,152; May 6.
Mohler, Paul, East Chicago, Ind. Fish bag. 2,241,314; May 6.
Molins Machine Company. (See Chalmers, John W., assignor.)
Monowatt Electric Corporation. (See Benander, George B., assignor.)
Monsanto Chemical Company. (See Dvornikoff, Michael N., assignor.)
Montgomery, George W., Detroit, Mich. Transmission. 2,240,662; May 6.
Montiglio, Frank, Milwaukee, Wis. Bicycle gear. 2,240,998; May 6.
Moon, Cleon J., assignor to Franks Manufacturing Corporation, Tulsa, Okla. Derrick structure. 2,240,852; May 6.
Moore, George A., Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric power plant ventilating system. 2,240,664; May 6.
Moore, George A., Edgewood, and E. O. Mueller, Irwin, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Spider construction for dynamoelectric machines. 2,240,663; May 6.
Moore, James. (See Hunt, M. J., and Moore.)
Moore & White Co., The. (See Kern, Conrad J., assignor.)
Moreton, Henry H., East Orange, N. J. Producing books, etc. 2,240,999; May 6.
Morgan, James E., Portland, Oreg. Matrix changing device. 2,240,956; May 6.
Morgan, John S., Jr., Hermosa Beach, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Transmission. 2,240,740; May 6.
Morgan, John S., Jr., Los Angeles, and F. L. Gillett, Inglewood, Calif., assignors to The National Supply Company, Pittsburgh, Pa. Drilling machine. 2,240,795; May 6.
Morgan, Reese F., et al. (See Miller, Clarence R., assignor.)
Morgan, Vernace B., et al. (See Miller, Clarence R., assignor.)
Morgensen, Otto, Jr., Dayton, Ohio. Wheel chock. 2,240,512; May 6.
Morris, Wilmer J., et al. (See Smith, Garland, assignor.)
Morton, Eric A. (See Heywood, A. D., Givens, and Morton.)
Mueller, Erich O. (See Moore, G. A., and Mueller.)
Mueller, Erich O., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Quill bearing for railway motors. 2,240,665; May 6.
Mullen, Daniel J., et al. (See Berry, John T., assignor.)
Muller, J. C., N. V. (See Raschke, F. O., and Kochta, assignors.)
Mummert, Arden J., University City, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston expander. 2,240,907; May 6.
Münz, Ferdinand, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Avoiding and rendering harmless the precipitates of water insoluble metal salts. 2,240,957; May 6.
Murray, Thomas W., assignor to Texarkana Manufacturing Corporation, Texarkana, Ark. Well pump operating equipment. 2,241,153; May 6.
Myers, Leonard M., Roseberry, Middlesbrough, Yorkshire, England, assignor to Radio Corporation of America. Luminescent screen. 2,241,215; May 6.
Myers, Thomas G., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif. Multiple section motor. 2,240,569; May 6.
Myllus, Walter G., Summit, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Watt-hour meter. 2,240,666; May 6.
Naamlooze Vennotschap Chemische Fabriek L. van der Grinten. (See van der Grinten, Lodewijk P. F., assignor.)
National Cash Register Company, The. (See Nelson, Gunnar, assignor.)
National Cash Register Company, The. (See Robertson, W. H., and Frank, assignors.)
National Machinery Company, The. (See Clouse, William L., assignor.)
National Machinery Company, The. (See Friedman, John H., assignor.)
National Process Company, The. (See Snelling, Nicholas, assignor.)
National Smelting Company, The. (See Bonsack, Walter, assignor.)
National Supply Company, The. (See Bishop, James O., assignor.)
National Supply Company, The. (See Dunn, Joseph A., assignor.)
National Supply Company, The. (See Morgan, John S., Jr., assignor.)
National Supply Company, The. (See Morgan, J. S., Jr., and Gillett.)
National Supply Company, The. (See Spalding, John D., assignor.)
National Supply Company, The. (See Young, Forrest J., assignor.)
Near, Thomas E., and E. Sherlock, Detroit, Mich. Hose supporter. 2,241,267; May 6.
Nelson, Algott L., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Door lock. 2,240,853; May 6.
Nelson, Gunnar, assignor to The National Cash Register Company, Dayton, Ohio. Removable card tray and picker mechanism. 2,241,268; May 6.
Nelson, Gunnar, assignor to The National Cash Register Company, Dayton, Ohio. Interlocking mechanism. 2,241,269; May 6.
Nelson, James B., Pensacola, Fla. Wedge. 2,241,315; May 6.
Neocell Products Corporation. (See Boecler, A., and Bratring, assignors.)
Nerwin, Hubert, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photographic camera. 2,241,020; May 6.
Neufeld, Jacob, assignor to Well Surveys, Incorporated, Tulsa, Okla. Well surveying method and apparatus. 2,241,154; May 6.
Neville Company, The. (See Carmody, William H., assignor.)
Newton, Noel B., Acton, London, England. Power transmission system. 2,240,712; May 6.
Nichols Engineering & Research Corporation. (See King, Howard J., assignor.)
Nipper, Heinrich, Aachen, Germany, assignor to The Timken Roller Bearing Company, Canton, Ohio, Gunite Foundries Corporation, Rockford, Ill., and Stellum, Inc., Cleveland, Ohio. Working iron carbon alloys. 2,241,270; May 6.
Nock, Joseph A., Jr., Tarentum, assignor to Aluminum Company of America, Pittsburgh, Pa. Aluminum alloy. 2,240,940; May 6.
Normington, James B. (See Dickey, J. B., and Normington.)
Northrup, Homer W. (See Ziegler, N. A., and Northrup.)
Norton Company. (See Barnes, Carl E., assignor.)
Norton Company. (See Flygare, Carl G., assignor.)
Norton Company. (See Indge, H. S., and Johnson, assignors.)
Norwood Filtration Company. (See Hartman, Harry B., assignor.)
Nygard, Halvard F., assignor to The Celon Company, Madison, Wis. Band trimming or cutting machine. 2,240,796; May 6.
Ochs, Frederick W., Boston, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe with interlaced upper elements. 2,240,626; May 6.
O'Connor, Arthur F., Chicago, and G. A. Hull, Highland Park, assignors to Union Asbestos and Rubber Company, Chicago, Ill. Refrigerator car construction. 2,241,366; May 6.
Oesterheld, Karl A., Eichriede, near Wunstorf, Germany. System for freeing motor vehicles. 2,240,570; May 6.
Ohio Crankshaft Company, The. (See Denneen, Francis S., assignor.)
Ohio Crankshaft Company, The. (See Denneen, F. S., Dunn, and Mitchell, assignors.)
Ohl, Russell S., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillation source of the spark discharge gap type. 2,240,941; May 6.
Oilgear Company, The. (See Ferris, Walter, assignor.)
Oilgear Company, The. (See Wiedmann, Ernst, assignor.)
O'Leary, C. M., Jr. (See Patterson, Edgar W., assignor.)
Olin, A. Donaldson, et al. (See Lowther, Wilfred W., assignor.)
Olson, John B., and H. O. Petraske, assignors to James Manufacturing Company, Fort Atkinson, Wis. Gas burning floor brooding hover. 2,240,571; May 6.
Oriental Wrought Iron Works, Inc. (See Burke, William A., assignor.)
Ort, John M., Rockville Centre, assignor to E. R. Squibb & Sons, New York, N. Y. Preparing cyclopropane. 2,240,513; May 6.
Ort, John M., Rockville Centre, assignor to E. R. Squibb & Sons, New York, N. Y. Preparing cyclopropane. 2,240,514; May 6.
Orthuber, Richard, Berlin, and E. Steudel, Berlin-Dahlem, assignors to Allgemeine Elektricitats-Gesellschaft, Berlin, Germany. Electron multiplier. 2,240,713; May 6.
Owen, John J., Baton Rouge, La., assignor to Standard Oil Development Company. Catalytic oxidation of ketones. 2,240,714; May 6.
Packard Motor Car Company. (See Griswold, Walter R., assignor.)
Palmer, Jay G. (See Roseberry, Curtis W., assignor.)

Paris, Robert E., assignor to International Business Machines Corporation, New York, N. Y. Card controlled machine. 2,240,667; May 6.
Partington, Edward J., assignor to Bendix Products Corporation, South Bend, Ind. Charge forming device. 2,240,515; May 6.
Partlow Corporation, The. (See Clark, James K., assignor.)
Paschke, Harold W., assignor to Teletype Corporation, Chicago, Ill. Paper tear-off device for typing apparatus. 2,241,357; May 6.
Pasinski, Walter J., Howell, assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,240,797; May 6.
Pasinski, Walter J., Howell, assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,240,798; May 6.
Patentverwertungs-Gesellschaft mit beschrankter Haftung "Hermes." (See Henschel, Friedrich, assignor.)
Patterson, Edgar W., Long Beach, assignor of one-half to C. M. O'Leary, Jr., Los Angeles, Calif. Rack and pinion gearing. 2,241,000; May 6.
Paulsen, Jean F. (See Julien, M. F. A., and Paulsen.)
Paxton, Gerald C., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Nail chuck. 2,240,516; May 6.
Peebles, David D., Berkeley, Calif., assignor, by mesne assignments, to Golden State Company, Ltd. Desiccating apparatus. 2,240,854; May 6.
Peeters, Désiré, Assche, Belgium. Independent wheel mounting with suspension means accommodated within the wheel. 2,241,217; May 6.
People of the territory of the United States. (See Love, Leslie E.)
Percival, William S., Ealing, London, assignor to Electric & Musical Industries Limited, Middlesex, England. Amplifier. 2,240,715; May 6.
Peremi, Edmund, Manhasset, and C. Kish, Elmhurst, assignors to General Bronze Corporation, Long Island City, N. Y. Revolving door. 2,240,942; May 6.
Peterson, Arthur W., Albert City, Iowa. Trellis for supporting growing plants. 2,241,001; May 6.
Peterson, Carl D., assignor to Spicer Manufacturing Corporation, Toledo, Ohio. Auxiliary transmission gearing. 2,241,002; May 6.
Peterson, Roy E. (See Polzer, F., and Peterson.)
Petraske, Harry O. (See Olson, J. B., and Petraske.)
Petrolite Corporation, Ltd. (See De Groote, M., and Keiser, assignors.)
Phelps, George H., Floral Park, assignor to Metropolitan Engineering Company, Brooklyn, N. Y. Welding. 2,241,216; May 6.
Philco Radio and Television Corporation. (See Applegarth, Alexander R., Jr., assignor.)
Philco Radio and Television Corporation. (See Bingley, Frank J., assignor.)
Philco Radio and Television Corporation. (See Bobb, Lloyd J., assignor.)
Phillips, Sara W. (See Voigt, E. F., and Phillips.)
Phillips, Warren E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire construction. 2,240,855; May 6.
Phillips, Warren E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire construction. 2,240,856; May 6.
Phonograph Advertising Service, Incorporated. (See Cummings, Norbert C., assignor.)
Pickard, Eugene E., Cleveland, Tenn. Lining for brakes and the like. 2,241,218; May 6.
Pierce Governor Company, The. (See McCullough, Neel M., assignor.)
Pierce, James E. (See Dreisbach, R. R., and Pierce.)
Pierce, John B., Foundation. (See Groeniger, William C., assignor.)
Pintsch, Julius, Kommanditgesellschaft. (See Dallenbach, Walter, assignor.)
Pitner, Marion W., assignor to Products Development, Inc., Chicago, Ill. Hair drier. 2,240,857; May 6.
Plastic Metals, Inc. (See Young, John L., assignor.)
Platt, Stephen A., Nutley, assignor to Wilbur B. Driver Company, Newark, N. J. Lead-in wire puller device. 2,240,943; May 6.
Plausics, Alexander, Forest Hills, assignor to The Western Union Telegraph Company, New York, N. Y. Roll support for strap conveyors. 2,241,219; May 6.
Pleister, Henry W., Westfield, and J. Karitzky, assignors to Diamond Expansion Bolt Company, Inc., Garwood, N. J. Bolt anchor. 2,240,716; May 6.
Plesman, Albert, assignor to Koninklijke Luchtvaart Maatschappij voor Nederland en Koloniën N. V., The Hague, Netherlands. Method and means for launching and landing aircraft. 2,241,155; May 6.
Pohl, Ernest F. (See Ekstedt, Henry V., assignor.)
Polk Development Company, The. (See Polk, Ralph, Sr., and Ralph, Jr.)
Polk, Ralph, Jr. (See Polk, Ralph, Sr., and Ralph, Jr.)
Polk, Ralph, Sr., Miami, and R. Polk, Jr., Haines City, assignors to The Polk Development Company, Tampa, Fla. Tool for segmenting citrus fruits. 2,240,908; May 6.
Polk, Ralph, Sr., Miami, and R. Polk, Jr., Haines City, assignors to The Polk Development Company, Tampa, Fla. Apparatus for separating integument-free segments of citrus fruits. 2,240,909; May 6.
Polk, Ralph, Sr., Miami, and R. Polk, Jr., Haines City, assignors to The Polk Development Company, Tampa, Fla. Tool for segmenting citrus fruits. 2,240,910; May 6.
Polston, John R. (See Heltzel, W. G., Harshman, and Polston.)
Polzer, Fridolin, and R. E. Peterson, assignors to The E. H. Hotchkiss Company, Norwalk, Conn. Staple driving machine. 2,240,911; May 6.
Poor & Company. (See Preston, Frederick A., assignor.)
Porsche, F. Dr. Ing. h. c., K.-G. (See Komeuda, Erwin, assignor.)
Porteous, James, Johannesburg, Transvaal, Union of South Africa. Valve for discharging containers. 2,241,316; May 6.
Porter, Roscoe C., Long Island City, N. Y. Power transmission. 2,240,912; May 6.
Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Telegraph transmitter. 2,241,271; May 6.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Selecting system. 2,241,156; May 6.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Remote control signaling system. 2,241,157; May 6.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 2,241,158; May 6.
Powers, Walter R., Pittsburgh, Pa. Flush tank valve construction. 2,241,220; May 6.
Poxon, Hyla, San Francisco, Calif. Cream bottle washer. 2,240,572; May 6.
Prentiss, Polly, Inc. (See Bradwell, Robbie H., assignor.)
Preston, Frederick A., Lake Forest, assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Two-way rail anchor. 2,240,858; May 6.
Price, Harold W., assignor to Bendix Products Corporation, South Bend, Ind. Transmission operating mechanism. 2,241,071; May 6.
Pringle, John L., West Monroe, La. Meat rectifier. 2,241,040; May 6.
Pringle, John L., West Monroe, La. Broiler. 2,241,317; May 6.
Probst, Karl K., Detroit, Mich., assignor to W. L. Hoburg, Sharpsburg, Pa., as trustee of The Meter Motor Products Co. Valve and stop for wobbler motors. 2,240,573; May 6.
Products Development, Inc. (See Pitner, Marion W., assignor.)
Puening, Franz, Claygate, England. Apparatus for coking coal. 2,240,575; May 6.
Pye, Harold C., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Sound translating device. 2,240,576; May 6.
Quinn, Nelson J., Toledo, assignor of one-half to H. B. Fay, Shaker Heights, Ohio. Mechanical projecting apparatus. 2,241,100; May 6.
Radio Corporation of America. (See Bumstead, Ralph W., assignor.)
Radio Corporation of America. (See Law, Russell R., assignor.)
Radio Corporation of America. (See Mathern, William W., assignor.)
Radio Corporation of America. (See Myers, Leonard M., assignor.)
Radio Corporation of America. (See Vermeulen, R., and Fuchs, assignors.)
Raduns, Solomon, assignor to Greenpoint Metallic Bed Company, Inc., Brooklyn, N. Y. Bedspring. 2,240,517; May 6.
Ragatz, Edward G. (See Dillon, L., and Ragatz.)
Rambo, Rawdon E. (See Jenkins, C. F., and Rambo.)
Ramsbottom, John M., assignor to Industrial Patents Corporation, Chicago, Ill. Treatment of animal tissue. 2,240,518; May 6.
Ramsey Accessories Manufacturing Corporation. (See Marien, Charles A., assignor.)
Rand, James H., Jr., Stamford, Conn., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Dry shaver. 2,240,958; May 6.
Raschke, Fritz O., and J. P. Kochta, Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands. Apparatus for use in connection with manufacture of cigarettes. 2,241,072; May 6.
Rawlinson, George H. and R. A., Portland, Oreg. Garment pressing machine. 2,241,373; May 6.
Rawlinson, Richard A. (See Rawlinson, George H. and R. A.)
Read, Philip C., Shorewood, assignor to Dostal & Lowey Co., Inc., Menomonee Falls, Wis. Bottle washing machine. 2,240,717; May 6.
Reconstruction Finance Corporation. (See Visser, John, assignor.)
Redlich, Hugo, J., Stillwater, Minn. Propeller wheel for steamboats. 2,241,159; May 6.
Reed, Arthur R., Taft, Calif. Drill string shock absorber. 2,240,519; May 6.
Reed, Donald L., Silver Spring, Md., assignor to Henry A. Wallace, Secretary of Agriculture of the United States of America, and his successors in office. Production of chlorine. 2,240,668; May 6.
Remington Rand Inc. (See Bauder, Glenn E., assignor.)

Remington Rand Inc. (See Rand, James H., Jr., assignor.)
Renier, William S. (See Hirsch, G. B., and Renier.)
Research Corporation. (See Johns, Winthrop A., assignor.)
Reynolds Metal Company. (See Sunderhauf, F. A., and Stolte, assignors.)
Reznicek, Antone F. (See Yelm, C. W., and Reznicek.)
Rice, Ralph W., Kansas City, Mo. Soil conditioner and employing the same. 2,240,859; May 6.
Richardson Company, The. (See Dillehay, Edward R., assignor.)
Richardson Company, The. (See Woodbridge, Joseph L., assignor.)
Rider, Ernest G., assignor to Stokes and Smith Company, Summerdale, Philadelphia, Pa. Nonstop box wrapping machine. 2,241,160; May 6.
Riebe, Johannes, Farmingdale, N. Y. Clamping device. 2,241,021; May 6.
Riebel, Frederick, Jr., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 2,240,799; May 6.
Riedrich, Gerhard. (See Scherer, R., Riedrich, and Hougardy.)
Riemenschneider, Ernest, Lakewood, assignor to The Midland Steel Products Company, Cleveland, Ohio. Welding apparatus. 2,240,027; May 6.
Rigert, Max, West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Remote control system. 2,240,800; May 6.
Ritchie, John R. (See Miller, A. S., and Ritchie.)
Ritter, Edward J. (See White, J. V., and Ritter.)
Roberts, Hugh, Jr. (See Smith, G. G., and Roberts.)
Roberts, James D. (See Taylor, Russell C., assignor.)
Roberts, James H., Osceola, Ark. Spring shackle assembly. 2,240,894; May 6.
Robertson, William H., and J. P. Frank, assignors to The National Cash Register Company, Dayton, Ohio. Cash register. 2,241,272; May 6.
Robinson, William W., and R. R. Crippen, Long Beach, Calif., assignors to The Texas Company, New York, N. Y. Method of and apparatus for treatment of drilling mud. 2,241,273; May 6.
Robson, Frederick E., Toronto, Ontario, assignor to Scarborough Guild Limited, Scarborough, York, Ontario, Canada. Machine for weaving. 2,241,318; May 6.
Roirant, Emile, Paris, France, assignor to Société Continentale d'Appareils Mecaniques pour la Verrerie, Basel, Switzerland. Glass furnace provided with drawing-off basins. 2,241,161; May 6.
Root, Robert S. (See Spase, C. B., and Root.)
Rosage, Vincent P., Johnstown, Pa. Combination curtain, shade, and drape bracket. 2,240,895; May 6.
Rose, Chester M., assignor to United Seal Company, Columbus, Ohio. Coupling seal. 2,240,860; May 6.
Roseberry, Curtis W., assignor of forty-nine per cent to J. G. Palmer, Leesville, La. Illuminated music lyres. 2,241,319; May 6.
Rosedale Knitting Company. (See Gift, John, assignor.)
Rosen, Raphael, and C. A. Cohen, Elizabeth, N. J., assignors to Standard Oil Development Company. Production of valuable petroleum hydrocarbons. 2,240,577; May 6.
Rosenston, David. (See Bryant, C. W., and Rosenston.)
Roskos, Frank, Bayonne, N. J. Electric heating torch. 2,240,913; May 6.
Ross, James W., Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Apparatus for shaping glass charges. 2,241,162; May 6.
Rostone Corporation. (See Swezey, J. W., and Jones, assignors.)
Rotor Wing Company. (See Garland, M., assignor, and Greer.)
Rouch, Everett W., assignor to Hydraulic Brake Company, Detroit, Mich. Brake. 2,241,163; May 6.
Roy, Ovide, Montreal, Quebec, Canada. Back pressure relief apparatus. 2,240,801; May 6.
Rubberset Company. (See Buddish, Barnett, assignor.)
Rumbutis, Bernard R., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,240,578; May 6.
Russell, Frank E. (See McCormick, G., Brown, and Russell.)
Russell, William C., assignor to Macwhyte Company, Kenosha, Wis. Thimble. 2,241,221; May 6.
Russo, Michael P., New Haven, Conn. Liquid gauge. 2,240,669; May 6.
Sabins, Rolland C., Wisconsin Rapids, Wis. Oil burner construction. 2,240,861; May 6.
Saco-Lowell Shops. (See Cotchett, Louis M., assignor.)
Saco-Lowell Shops. (See Kennedy, John A., assignor.)
Sageb, Société Anonyme de Gestion et d'Exploitation de Brevets. (See Brandt, Edgar W., assignor.)
Sandberg, Ray A., and C. R. Duncan, Waukegan, Ill., assignors, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Brake lever construction. 2,240,802; May 6.
Sanford, Hugh W., Knoxville, Tenn. Wide frame mine car. 2,240,670; May 6.
Sanymetal Products Co., The. (See Anderson, Thomas F., assignor.)
Sanymetal Products Co., The. (See Benham, Kent W., assignor.)
Sarff, Auston O., Walker, Minn. Weedless fishhook. 2,241,320; May 6.
Sarff, Austin O., Walker, Minn. Weed guard. 2,241,367; May 6.
Sauer, Hans, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Projecting stereoscopic pictures. 2,241,041; May 6.
Sauer, J. P., & Sohn. (See Zehner, Fritz and H., assignors.)
Sborlino, Gino, Milan, Italy. Apparatus for the concentration of minerals. 2,240,671; May 6.
Scarborough Guild Limited. (See Robson, Frederick E., assignor.)
Scarritt, Winthrop T., Utica, N. Y. Clamping device. 2,241,042; May 6.
Schade, James W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Adhering rubber to brass. 2,240,862; May 6.
Schatzman, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield and mounting means therefor. 2,241,043; May 6.
Scherer, Robert, G. Riedrich, and H. Hougardy, assignors to Deutsche Edelstahlwerke Aktiengesellschaft, Krefeld, Germany. Welding rod. 2,240,672; May 6.
Schiesser, Max, assignor to Aktiengesellschaft Brown Boverie & Cie., Baden, Switzerland. Circuit breaker control system. 2,240,803; May 6.
Schiffman, Le Roy E., C. S. Lawson, and J. T. Blakemore, Birmingham, Ala. Concentration of ores. 2,240,718; May 6.
Schilz, Paschal, Los Angeles, Calif. Crushing machine. 2,240,673; May 6.
Schlack, Paul, Berlin-Treptow, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparation of polyamides. 2,241,321; May 6.
Schloemann Engineering Corporation. (See Mergel, Heinrich, assignor.)
Schlosser, Henry A., assignor of forty-nine per cent to I. O. Webster, Zieglersville, Pa. Automatic direction switch. 2,241,164; May 6.
Schlumberger, Marcel, Paris, France. Method and apparatus for electrical underground prospecting. 2,240,520; May 6.
Schlumbohm, Peter, New York, N. Y., assignor of one-half to I. Harter, Akron, Ohio. Filtering device. 2,241,368; May 6.
Schmitt, William H., St. Paul, Minn. Hair curler. 2,240,959; May 6.
Schnakenberg, Charles L. (See Hicks, E., and Schnakenberg.)
Schnell, Steve, Overland, assignor to Wagner Electric Corporation, St. Louis, Mo. Master cylinder valve. 2,240,521; May 6.
Schramm, Christopher H., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Sprocket chain guide for hoists. 2,240,523; May 6.
Schroeder, Lewis F. (See Truitt, N. E., and Schroeder.)
Schulman, Solomon, New York, N. Y. Dusting mop. 2,240,628; May 6.
Schumacher, Earle E., Maplewood, and A. G. Souden, Jersey City, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Flexible conductor. 2,240,579; May 6.
Schupbach, Rene M., Cranston, R. I., assignor to Freeman-Daughaday Company. Key holder. 2,241,358; May 6.
Schütze, Werner. Berlin-Spandau, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Device for converting atoms. 2,240,914; May 6.
Schwab, William. (See Drachenberg, H., and Schwab.)
Schwarzmann, Wolfgang E., Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Indicating mechanism for ignition interrupters. 2,240,804; May 6.
Scullen, Daniel V., Cohoes, N. Y., assignor to General Motors Corporation, Detroit, Mich. Carburizing mechanism. 2,240,863; May 6.
Searjeant, Wilfrid H., assignor to Taylor-Shantz Inc., Rochester, N. Y. Safety guard. 2,240,915; May 6.
Seastrom, Erik G., Easton, Pa. Drawing device. 2,240,719; May 6.
Sebring, Merrill F. (See Levesque, G. N., and Sebring.)
Secretary of Agriculture of the United States of America, Henry A. Wallace, and his successors in office. (See Reed, Donald L., assignor.)
Segre, Massimo, New York, N. Y. Coupling device for temporary structures. 2,240,864; May 6.
Seitz, Charles A., Long Beach, Calif. Heater for aircraft engines. 2,240,674; May 6.
Selby, Lynn O., Wethersfield, Conn., assignor to The Sparmal Engineering Corporation. Valve. 2,241,324; May 6.
Selby, Lynn O., Cromwell, Conn., assignor to The Sparmal Engineering Corporation. Oil burner installation. 2,241,325; May 6.
Selby, Lynn O., Hartford, Conn., assignor to The Sparmal Engineering Corporation. Thermostatically controlled oil burner. 2,241,326; May 6.
Selby, Lynn O., Hartford, Conn., assignor to The Sparmal Engineering Corporation. Thermostatically controlled oil burner installation. 2,241,327; May 6.

Selby, Lynn O., Hartford, Conn., assignor to The Sparmal Engineering Corporation. Refrigerating system. 2,241,328; May 6.
Self-Service Carbonator, Inc. (See Lloyd, Charles, assignor.)
Selhorst, Bernard J., Coldwater, Ohio. Distributor blade for manure spreaders or the like. 2,240,720; May 6.
Seliger, Helimuth. (See Suchy, R., and Seliger.)
Selinger, Frank, New York, N. Y. Twine dispenser. 2,240,675; May 6.
Selitzky, Henry, Brooklyn, N. Y. Coffee making apparatus. 2,240,721; May 6.
Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Composite article and making same. 2,240,805; May 6.
Serr, William F., assignor to Yankfrank, Inc., New York, N. Y. Food product. 2,240,522; May 6.
Servel, Inc. (See Springford, V. H., and Ellis, assignors.)
Severin, Edwin, Berlin-Tempelhof, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Coupled amplifier cascade. 2,240,580; May 6.
Severson, George A., Tulsa, Okla., assignor to The Texas Company, New York, N. Y. Safety device. 2,241,274; May 6.
Seward, Edward C., New York, N. Y., and W. S. Seward, Summit, N. J., assignors to Sidney Blumenthal & Co., Inc., New York, N. Y. Apparatus and method for manufacturing rugs and the like. 2,240,581; May 6.
Seward, Willard S. (See Seward, Edward C. and W. S.)
Shackley, George H. (See Harold, Charles, assignor.)
Shaffer, Glenn A., De Pere, assignor to Fort Howard Paper Company, Green Bay, Wis. Paper folding machine. 2,241,329; May 6.
Sharp, Thomas E., assignor to Standard Oil Company, Chicago, Ill. Stabilization of metal soap solutions in oil. 2,240,806; May 6.
Shaver, Archibald G., Chicago, Ill. Train telephone system. 2,240,676; May 6.
Shaw, Henry, assignor to The Midland Saw & Tool Company Limited, Birmingham, England. Spirit and like levels. 2,240,807; May 6.
Shaw, Melvin C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Compressor control system. 2,241,330; May 6.
Shell Development Company. (See Tijmstra, S., and McKittrick, assignors.)
Shell Development Company. (See van Melsen, Johannes A., assignor.)
Shelton, Ferial L., Lancaster, Mo. Finger ring. 2,241,165; May 6.
Shelton, Robert S., Mariemont, and L. Magid, assignors to The Wm. S. Merrell Company, Reading, Ohio. Suppository. 2,241,331; May 6.
Sherlock, Ethel. (See Near, T. E., and Sherlock.)
Sherman, Charles A., Edmonton, Alberta, Canada. Manicure appliance. 2,241,003; May 6.
Sherwood, Edward H., Chicago, Ill. Collapsible display stand. 2,240,960; May 6.
Shinn, Edward, North Arlington, and E. Shinn, Jr., West Orange, N. J. Hoisting apparatus. 2,241,275; May 6.
Shinn, Edward, Jr. (See Shinn, Edward and E., Jr.)
Shoemaker, Edwin J. (See Knabusch, E. M., and Shoemaker.)
Sibley, Edward W., Kenmore, assignor to Trico Products Corporation, Buffalo, N. Y. Winshield cleaner motor. 2,241,004; May 6.
Siemens-Reiniger-Werke Aktiengesellschaft. (See Bischoff, K., and Silbermann, assignors.)
Sierad, Albert E. (See Sierad, Milton and A. E.)
Sierad, Milton, New York, and A. E. Sierad, Larchmont, N. Y. Bottle closure. 2,241,022; May 6.
Silbermann, Karl. (See Bischoff, K., and Silbermann.)
Sillers, Donald A., Dallas, and A. Clarke, Coleman, Tex.; said Clarke assignor to said Sillers. Means for introducing liquid into flowing fluids. 2,240,808; May 6.
Simeone, Aurelio J., Corona, assignor to American Chicle Company, Long Island City, N. Y. Package for chewing gum units. 2,241,332; May 6.
Simonds, Warren J., assignor to Rodney Hunt Machine Company, Orange, Mass. Suds box. 2,240,809; May 6.
Simpson, Emory G., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Door handle assembly. 2,240,865; May 6.
Singer, Fred J. (See Gardner, L. A., Singer, and Watson.)
Slottow, Joseph G. (See Dobbins, Rachel A., assignor.)
Sly, W. W., Manufacturing Company. (See Boesger, George A., assignor.)
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,241,166; May 6.
Smith, Arthur E., Brooklyn, assignor to Hid-Lok Corporation, New York, N. Y. Automobile door latch, etc. 2,240,524; May 6.
Smith, Charles F., Dallas, Tex., assignor to L. J. Williams, Oklahoma City, Okla. Drain trap. 2,241,005; May 6.
Smith, Francis T., Bridgeport, Conn. Paper roll holder. 2,240,629; May 6.
Smith, Garland, Bassfield, assignor of one-half to L. Lott, Purvis, and one-half to W. J. Morris, Hattiesburg, Miss. Tooth fender for harrows and cultivators. 2,241,276; May 6.
Smith, George G., Vernon, Tex., and H. Roberts, Jr., assignors to Cen-Tennial Cotton Gin Co., Columbus, Ohio. One story press. 2,241,006; May 6.
Smith, James J., Philadelphia, Pa. Forming elbows and U bends. 2,240,525; May 6.
Smith, John F. Q., assignor to Compo Shoe Machinery Corporation, Boston, Mass. Last. 2,240,867; May 6.
Smith, Kimball D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vehicle tire. 2,240,866; May 6.
Smith, Roger, assignor to Gray Tool Company, Houston, Tex. Well head. 2,241,333; May 6.
Smith, Tom, et al. (See Graham, Charles, assignor.)
Snelling, Nicholas, Jackson Heights, assignor to The National Process Company, New York, N. Y. Merchandise shipping and display package. 2,240,810; May 6.
Snelling, Nicholas, Jackson Heights, assignor to The National Process Company, New York, N. Y. Folding box. 2,240,811; May 6.
Snover, William J., assignor of one-half to L. Taylor, Spencer, Ind. Hand brake signal. 2,241,277; May 6.
Snow, Harold A., Mountain Lakes, N. J. Color analyzer. 2,240,722; May 6.
Société Continentale d'Apparells Mecaniques pour la Verrerie. (See Roirant, Emile, assignor.)
Societe Rhodiaceta. (See Lepin, Maurice, assignor.)
Sommer & Maca Glass Machinery Corporation. (See Chubb, Loyde, assignor.)
Sonnemann, William K., Newark, N. J., and W. A. Lewis, Jr., Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective relay. 2,240,677; May 6.
Sönnichsen, Francis, Oslo, Norway. Apparatus for electric welding. 2,240,896; May 6.
Sonnino, Bruno, Milan, Italy. Raising and curling the fluffs of fabrics. 2,241,222; May 6.
Sorensen, Clarence T., Belding, Mich. Portable refrigerator device. 2,240,961; May 6.
Souden, Alexander G. (See Schumacher, E. E., and Souden.)
Spalding, John D., Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa. Drawworks. 2,240,741; May 6.
Sparks, William J., Cranford, N. J., assignor to Standard Oil Development Company. Polymer composition. 2,240,582; May 6.
Sparks, William J., Cranford, and D. C. Field, Roselle Park, N. J., assignors to Standard Oil Development Company. Manufacture of organic condensation products. 2,240,583; May 6.
Sparmal Engineering Corporation, The. (See Selby, Lynn O., assignor.)
Sparrow, Hulert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Safety switch. 2,240,812; May 6.
Spase, Charles B., Nedrow, and R. S. Root, assignors to W. C. Lipe, Inc., Syracuse, N. Y. Automatic wear take-up for friction clutches. 2,241,223; May 6.
Specht, Harry G., Montclair, assignor to Encor Corporation, Belleville, N. J. Wire faced roll for papermaking machines. 2,240,869; May 6.
Spencer Lens Company. (See Bangert, F. A., Day, Aitcheson, and Davenport, assignors.)
Spencer, Samuel B. (See Hood, N. R., and Spencer.)
Spicer Manufacturing Corporation. (See Peterson, Carl D., assignor.)
Spivey, Wilmer B., Lake City, S. C. Storage and dispensing system for liquefied hydrocarbons. 2,241,278; May 6.
Sprague Specialities Co. (See Knab, Max, assignor.)
Springford, Vernon H., and W. H. Ellis, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Cabinet construction. 2,240,916; May 6.
Squibb, E. R., & Sons. (See Ort, John M., assignor.)
Staak, Julius H., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,241,073; May 6.
Stacey Brothers Gas Construction Company, The. (See Gruening, William E., assignor.)
Stacy, Thomas F., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Safety device for presses. 2,240,630; May 6.
Stanard, Lyle E., Three Rivers, Mich. Cigar and cigarette lighter. 2,240,678; May 6.
Standard Oil Company. (See Sharp, Thomas E., assignor.)
Standard Oil Development Company. (See Ellis, Carleton, assignor.)
Standard Oil Development Company. (See Gamble, Walter W., assignor.)
Standard Oil Development Company. (See Huxford, Walter S., assignor.)
Standard Oil Development Company. (See Meacham, M. R., and Lessing, assignors.)
Standard Oil Development Company. (See Owen, John J., assignor.)
Standard Oil Development Company. (See Rosen, R., and Cohen, assignors.)
Standard Oil Development Company. (See Sparks, William J., assignor.)
Standard Oil Development Company. (See Sparks, W. J., and Field, assignors.)
Standard Oil Development Company. (See Vesterdal, Hans G., assignor.)
Stanolind Pipe Line Company. (See Heltzel, W. G., Harshman, and Polston, assignors.)
Stark, Eugene E., Olympia, Wash. Game apparatus. 2,240,871; May 6.

Star-Lite Marker Company. (See Hershman, Okla H., assignor.)
Starr, Oscar L., Mission San Jose, assignor to Caterpillar Tractor Co., San Leandro, Calif. Lubrication system. 2,240,870; May 6.
States Company, The. (See Blakeslee, Henry J., assignor.)
Staub, Karl. (See Stuchly, Fred, assignor.)
Staud, Cyril J. (See Carroll, B. H., and Staud.)
Stauffer, Bernard H., San Bernardino, Calif. Muscle relaxing machine. 2,240,679; May 6.
Stechbart, Bruno, assignor to The Bell & Howell Company, Chicago, Ill. Film splicing device. 2,241,224; May 6.
Steele, Harry A., Syracuse, N. Y. Container construction. 2,240,944; May 6.
Steenbergen, William A., Spokane, Wash. Photographic light-synchronizing mechanism. 2,240,813; May 6.
Stellum, Inc., et al. (See Nipper, Heinrich, assignor.)
Stenberg, Knut E. B., assignor to Associated Attleboro Manufacturers, Inc., Attleboro, Mass. Condiment holder. 2,241,044; May 6.
Sterling Corporation, The. (See Venner, W. M., and Bowser, assignors.)
Steudel, Eberhard. (See Orthuber, R., and Steudel.)
Stevens, William C. (See Jochem, T. B., Kuhn, and Stevens.)
Stewart, George W., West Los Angeles, Calif. Perch for bird cages. 2,240,631; May 6.
Stoehr, Rolla G., Chatham, Ontario, Canada, assignor to Weaver Manufacturing Company, Springfield, Ill. Airplane lifting and supporting system. 2,240,723; May 6.
Stoehr, Rolla G., Chatham, Ontario, Canada, assignor to Weaver Manufacturing Company, Springfield, Ill. Airplane jack and supporting system. 2,240,724; May 6.
Stokes and Smith Company. (See Rider, Ernest G., assignor.)
Stolte, Carl H. (See Sunderhauf, F. A., and Stolte.)
Stone, R. Harry, Bound Brook, N. J., assignor to Titeflex Metal Hose Co. Radio shielding of engine ignition. 2,240,526; May 6.
Stone, R. Harry, Bound Brook, N. J., assignor to Titeflex Metal Hose Co. Ignition means. 2,240,632; May 6.
Storck, Clarence E., Baltimore, Md. Egg-shaped body of red cedarwood. 2,241,167; May 6.
Strawn, Wilbert L., Kansas City, Mo., assignor to United Iron Works Company, Pittsburgh, Pa. Lump breaking apparatus. 2,240,535; May 6.
Strohecker, Charles J. D., Zellenople, Pa. Emergency airplane landing device. 2,241,279; May 6.
Stromberg-Carlson Telephone Manufacturing Company. (See Godfrey, Harold D., assignor.)
Stromberg-Carlson Telephone Manufacturing Company, The. (See Levy, Maurice L., assignor.)
Stromberg-Carlson Telephone Manufacturing Company, The. (See Manson, Ray H., assignor.)
Stromberg-Carlson Telephone Manufacturing Company. (See Powell, Winfred T., assignor.)
Stuart, Alfred A., Jr., Brooklyn, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Earth inductor compass. 2,240,680; May 6.
Stubnitz-Greene Spring Corporation. (See Stubnitz, Maurice, assignor.)
Stubnitz, Maurice, assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich. Spring and air cushion. 2,240,872; May 6.
Stucatur, Fannie E. (See Stucatur, Matthew, assignor.)
Stucatur, Matthew, deceased, Philadelphia, Pa., F. E. Stucatur, administratrix, assignor to F. E. Stucatur. Automatic transmission. 2,241,334; May 6.
Stuchly, Fred, East Pittsburgh, assignor of one-half to K. Staub, Turtle Creek, Pa. Accordion strap attachment. 2,241,074; May 6.
Stutsman, Paul S. (See Conary, R. E., Ashburn, and Stutsman.)
Sullivan, Harold E., et al. (See Graham, Charles, assignor.)
Styles, Bella. (See Styles, Robert.)
Styles, Robert: B. Styles, owner by decree of court, assignor of one-half to G. Kelly, San Francisco, Calif. Valve spring compressor. 2,240,897; May 6.
Styll, Harry H., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,240,725; May 6.
Sucesores de Abarca. (See Carreras, J. R., and Lugo, assignors.)
Suchy, Robert, and H. Seliger, Bitterfeld, Germany, assignors, by mesne assignments, to Magnesium Development Corporation. The production of magnesium. 2,240,584; May 6.
Sunderhauf, Frederick A., Rutherford, N. J., and C. H. Stolte, New York, N. Y., assignors to Reynolds Metals Company, Richmond, Va. Display. 2,241,075; May 6.
Sundstrom, Axel G., assignor of one-half to N. H. McColl, Detroit, Mich. Ladder carrier. 2,241,076; May 6.
Sunnen, Joseph, Clayton, Mo. Crankshaft grinder. 2,240,527; May 6.
Sutherland, George. (See Harris, J. C., Jr., and Sutherland.)
Swartz, Fred L., Toledo, Ohio. Rail fastener. 2,241,280; May 6.
Swartz, William L., Wethersfield, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Firearm balancer. 2,240,681; May 6.
Swaysland, William, Cleveland, Ohio. Method and article for producing shaded designs. 2,240,945; May 6.
Swezey, John W., and P. W. Jones, assignors to Rostone Corporation, La Fayette, Ind. Lightweight synthetic stone and making it. 2,240,963; May 6.
Tanner, Elo C., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Bottle cooler. 2,240,528; May 6.
Tanner, Elo C., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dry bottle cooler. 2,241,025; May 6.
Talbot, Ralph H., assignor to Eastman Kodak Company, Rochester, N. Y. Curing of synthetic resin films. 2,241,225; May 6.
Taplin, A. L., et al. (See Lewis, Ted I., assignor.)
Taylor, August M., Childress, Tex. Wheelbarrow. 2,240,585; May 6.
Taylor, Clarence H. (See Elnes, Arny O., assignor.)
Taylor, Leason. (See Snover, William J., assignor.)
Taylor, Russell C., Chicago, Ill., assignor to J. D. Roberts, trustee, Portland, Oreg. Tie puller. 2,240,814; May 6.
Taylor-Shantz Inc. (See Searjeant, Wilfrid H., assignor.)
Teeter, Wilford H., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,241,101; May 6.
Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Severin, Edwin, assignor.)
Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Ulbricht, Günther, assignor.)
Teletype Corporation. (See Paschke, Harold W., assignor.)
Teletype Corporation. (See Potts, Louis M., assignor.)
Ternstedt Manufacturing Company. (See Nelson, Algott L., assignor.)
Ternstedt Manufacturing Company. (See Simpson, Emory G., assignor.)
Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Shaving implement. 2,240,633; May 6.
Texarkana Manufacturing Corporation. (See Murray, Thomas W., assignor.)
Texas Company, The. (See Conary, R. E., and Ashburn, assignors.)
Texas Company, The. (See Conary, R. E., Ashburn, and Stutsman, assignors.)
Texas Company, The. (See Garrison, Allen D., assignor.)
Texas Company, The. (See Robinson, W. W., and Crippen, assignors.)
Texas Company, The. (See Severson, George A., assignor.)
Theodore, Christy R., Brookline, Mass. Food slicer. 2,240,815; May 6.
Thoma, Dieter, Munich, Germany, assignor to American Voith Contact Co., Inc., New York, N. Y. Regulator device for power machines. 2,241,077; May 6.
Thomas, Beatrice M., Pendlebury, Manchester, England. Machine for preparing wall and ceiling papers for hanging. 2,241,007; May 6.
Thomas, Chester L. (See Magee, Charles L., assignor.)
Thomas, Frederick M., assignor to The De Havilland Aircraft Company Limited, Hatfield Aerodrome, Hertfordshire, England. Mounting of airscrew blades. 2,240,873; May 6.
Thomas, Frederick M., and F. A. N. Hitch, Hatfield, assignors to The De Havilland Aircraft Company Limited, Hertfordshire, England. Rotary fluid-pressure machine. 2,240,874; May 6.
Thompson, William M., Meadville, Pa. Motor vehicle. 2,240,536; May 6.
Tijmstra, Sijbren, Berkeley, and D. S. McKittrick, Oakland, assignors to Shell Development Company, San Francisco, Calif. Solvent and process for dewaxing mineral oils. 2,240,964; May 6.
Timken Roller Bearing Company, The. (See Horger, Ralph E., assignor.)
Timken Roller Bearing Company, The, et al. (See Nipper, Heinrich, assignor.)
Titeflex Metal Hose Co. (See Stone, R. Harry, assignor.)
Toledo Scale Company. (See Hem, Halvor O., assignor.)
Toledo Scale Company. (See Hem, Halvor W., assignor.)
Tolman, Edgar B., Jr., Chicago, Ill. Conveyer inlet with crusher. 2,240,868; May 6.
Torkelson, Torkel E., Baldwin, assignor to International Business Machines Corporation, New York, N. Y. Card time recorder. 2,240,587; May 6.
Townend, Frank S. (See Krall, R. F., and Townend.)
Tremblay, Joseph V. (See Bouchard, A., and Tremblay.)
Trico Products Corporation. (See Sibley, Edward W., assignor.)
Trojan Powder Company. (See Wyler, Joseph A., assignor.)
Truitt, Norman E., and L. F. Schroeder, assignors to Autocopy, Inc., Chicago, Ill. Sheet distributing mechanism. 2,241,168; May 6.
Trumbull Electric Manufacturing Company, The. (See Hammerly, Herman J., assignor.)
Tschopp, Louis R., Buffalo, N. Y. Illuminated sign. 2,240,917; May 6.
Tucker, Charles O., San Francisco, Calif. Parking meter. 2,240,726; May 6.
Turck, Joseph A. V., Wilmette, assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill. Calculating machine. 2,241,102; May 6.
Turna, Rudolph, Vancouver, British Columbia, Canada. Variable pitch propeller. 2,241,008; May 6.

Tweedle, Charles, Jefferson City, Mo. Shoe. 2,240,816; May 6.
Tyce, George C., Norton-on-Tees, and V. Lefebure, London, England, assignors to Imperial Chemical Industries Limited. Manufacture of plasters. 2,240,529; May 6.
Uhlrig, Harry W., Stratford, Conn., assignor to General Electric Company. Toaster. 2,241,103; May 6.
Ulbricht, Günther, Blankenfelde Mahlow, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Receiving periodic impulses. 2,241,170; May 6.
Underwood Elliott Fisher Company. (See Anderson, Walter A., assignor.)
Union Asbestos and Rubber Company. (See O'Connor, A. F., and Hull, assignors.)
Union Oil Company of California. (See Dillon, L., and Ragatz.)
Union Special Machine Company. (See Kucera, Frank A., assignor.)
Union Special Machine Company. (See Wilmoth, Arthur L., assignor.)
Union Switch & Signal Company. (See Young, Henry S., assignor.)
United Seal Company. (See Rose, Chester M., assignor.)
United Iron Works Company. (See Strawn, Wilbert L., assignor.)
United Shoe Machinery Corporation. (See Bazzoni, Lewis J., assignor.)
United Shoe Machinery Corporation. (See Gross, Charles J., assignor.)
United Shoe Machinery Corporation. (See Ochs, Frederick W., assignor.)
U. S. Electrical Motors, Inc. (See Myers, Thomas G., assignor.)
United States Gypsum Company. (See Balduf, Bruno E., assignor.)
U. S. Industrial Alcohol Co. (See Metzger, Floyd J., assignor.)
U. S. Machine Corporation. (See Winkler, Herman E. and C. J., assignors.)
Universal Paper Products Company. (See Amberg, Walter E., assignor.)
"Universelle" Cigarettenmaschinenfabrik J. C. Mueller & Co. (See Kasper, Herbert R., assignor.)
University of Tennessee Research Corporation, The. (See Hertel, Kenneth L., assignor.)
Van der Grinten, Lodewijk P. F., assignor to Naamlooze Vennootschap Chemische Fabriek L. van der Grinten, Venlo, Netherlands. Process and apparatus for the treatment of photographic coatings. 2,241,104; May 6.
Van Melsen, Johannes A., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Production of nitrogen-substituted amino methylene ketones. 2,240,965; May 6.
Van Meter, Karl K. (See Armstrong, F. C., and Van Meter.)
Van Vulpen, John, assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Apparatus for heat transfer by circulating water. 2,240,731; May 6.
Vance, Donald E. and H. C., Champaign, Ill. Portable bleacher. 2,241,281; May 6.
Vance, Harold C. (See Vance, Donald E. and H. C.)
Vapor Car Heating Company. (See Van Vulpen, John, assignor.)
Venditti, Albert, Minneapolis, Minn. Adjustable automobile screen. 2,240,588; May 6.
Venner, William M., Richmond Heights, and P. L. Bowser, Jr., University City, assignors to The Sterling Corporation, St. Louis, Mo. Piston. 2,240,966; May 6.
Venner, William M., Richmond Heights, and P. L. Bowser, Jr., University City, assignors to The Sterling Corporation, St. Louis, Mo. Piston. 2,240,967; May 6.
Venner, William M., Richmond Heights, and P. L. Bowser, Jr., University City, assignors to The Sterling Corporation, St. Louis, Mo. Piston. 2,240,968; May 6.
Vermeulen, Roelof, and H. S. Fuchs, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Device to convert mechanical vibrations into electrical oscillations. 2,240,918; May 6.
Vesterdal, Hans G., Elizabeth, N. J., assignor to Standard Oil Development Company. Extraction of phenolic compounds from mineral oils. 2,240,727; May 6.
Vetterlein, Theodore H., Jr., Bristol, R. I., assignor to Collins & Aikman Corporation, Philadelphia, Pa. Pile fabric manufacture. 2,240,530; May 6.
Vido, George, Newark, N. J. Scissors and the like. 2,240,946; May 6.
Vierling, Otto, Dresden-Blasewitz, and F. Köber, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Stereo camera. 2,240,728; May 6.
Visser, John, Grand Rapids, assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Receptacle. 2,241,045; May 6.
Voigt, Edwin F., Pearl River, and S. W. Phillips, Spring Valley, assignors to Lederle Laboratories, Inc., Pearl River, N. Y. Pertussis toxin and toxoid. 2,240,969; May 6.
Von Palmenberg, Raymond T., New York, N. Y. Fitting for store counters. 2,240,729; May 6.
Voss, Arthur, and K. Billig, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Solutions of polyvinyl alkyl ketones and a process of polymerizing vinyl alkyl ketones. 2,240,730; May 6.
Voss, Otto, Erfurt, assignor to Arado Flugzeugwerke Gesellschaft mit beschrankter Haftung, Brandenburg, Havel, Germany. Cowling for aircraft engines with movable air outlet flaps. 2,240,875; May 6.
Vreeland, Frederick K., Montclair, N. J. Multiplex communication. 2,241,078; May 6.
Wackerle, Lewis E., Chicago, Ill. Musical string. 2,241,282; May 6.
Wackerle, Lewis E., Chicago, Ill. Forming musical strings. 2,241,283; May 6.
Wagar, Harold N., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Relay. 2,240,589; May 6.
Wagner Electric Corporation. (See Dick, Burns, assignor.)
Wagner Electric Corporation. (See Freeman, Walter R., assignor.)
Wagner Electric Corporation. (See Milster, Arthur N., assignor.)
Wagner Electric Corporation. (See Schnell, Steve, assignor.)
Wahlmark, Gunnar A., Rockford, Ill. Fluid motor. 2,241,046; May 6.
Wahnish, George, Los Angeles, Calif. Tool holder. 2,241,024; May 6.
Wait, Edgar F., Detroit, Mich., and J. E. Hale, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Tire. 2,241,227; May 6.
Walder, Gobi, Zurich, Switzerland. Tuning device. 2,241,284; May 6.
Waldes Kohi-I-Noor, Inc. (See Lange, Max H., assignor.)
Wale, Bruce, Berkeley, Calif. Sheet-feeding mechanism. 2,240,818; May 6.
Walker, Nathan E., Amherst, Ohio, assignor, by mesne assignments, to C. B. Williams and L. R. Johnson. Furnace. 2,240,531; May 6.
Walker, O. S., Co. Inc. (See Beechlyn, John T., assignor.)
Wallace, George W., East St. Louis, Ill. Automatic fluid cooled grate. 2,240,590; May 6.
Wallace, William O., Birmingham, Ala. Sanitary commode seat cover. 2,241,171; May 6.
Walsoe, Sigurd L. (See Mills, A. W., Furman, and Walsoe.)
Waly, Abdalla, deceased, Berlin-Waldmannslust, H. Bannetz, administrator, Berlin, Germany. Apparatus for medical treatment. 2,240,819; May 6.
Warner, Sotorious D., Cincinnati, Ohio. Combined roller skate and ankle support. 2,240,532; May 6.
Warnke, Clemens A., Grand Rapids, Mich. Vine lifter. 2,240,970; May 6.
Warren, George B., Los Angeles, Calif. Trap. 2,240,594; May 6.
Warren, Leon R. (See Armistead, Horace, assignor.)
Washburn Company, The. (See Williams, Chester A., assignor.)
Waterman, Arthur E., assignor to James Manufacturing Company, Fort Atkinson, Wis. Window sash. 2,240,591; May 6.
Waterud, Alfred, Los Angeles, Calif. Denture brush and dispenser. 2,240,876; May 6.
Watson, Edward F. (See Gardner, L. A., Singer, and Watson.)
Watson-Stillman Co., The. (See Dinzl, Richard W., assignor.)
Weaver Manufacturing Company. (See Stoehr, Rolla G., assignor.)
Webster, I. O. (See Schlosser, Henry A., assignor.)
Wedberg, Frank A., Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Wing flap position indicator. 2,241,335; May 6.
Wedderspoon, Arthur F., assignor to Cole's Hot Blast Mfg. Co., Chicago, Ill. Heater. 2,241,025; May 6.
Weick, Herman, West New York, N. J. Telltale for automobile brakes. 2,240,877; May 6.
Weinhart, Howard W., Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coating machine. 2,241,228; May 6.
Weinstein, Sam, Irrington, assignor to R. Grant, Newark, doing business as Scaffold Bracket Co. Scaffold bracket. 2,240,682; May 6.
Weintraub, Andrew L., and J. Bordash, Bridgeport, Conn. Speed limiting means. 2,240,919; May 6.
Well Surveys, Incorporated. (See Neufeld, Jacob, assignor.)
Wellman, Samuel K., Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Method and apparatus for spreading powdered material. 2,240,971; May 6.
Wellman, S. K., Company, The. (See Wellman, Samuel K., assignor.)
Wendt, Bruno. (See Eggert, J., and Wendt.)
Wenzig, Willy, Leipzig, Germany. Copying lathe. 2,241,285; May 6.
Wernitz, James H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulphonation of organic compounds. 2,240,920; May 6.
Werts, Richard A., assignor of one-fourth to A. L. Armentrout, one-fourth to E. B. Hall, and one-fourth to V. P. Baker, Los Angeles, Calif. Fluid metering apparatus. 2,241,286; May 6.
Westcott, Valorus S., assignor to Jenckes Knitting Machine Company, Pawtucket, R. I. Bore gauge. 2,241,287; May 6.
Western Electric Company. (See Beckley, Charles O., assignor.)
Western Land Roller Company. (See Cope, J. H., and Gray, assignors.)

Western Machinery Company. (See Bousman, Samuel L., assignor.)
Western Union Telegraph Company, The. (See Plausics, Alexander, assignor.)
Westinghouse Electric & Manufacturing Company. (See Cook, Willard G., assignor.)
Westinghouse Electric & Manufacturing Company. (See De Croce, Gennero, assignor.)
Westinghouse Electric & Manufacturing Company. (See Derr, Willard A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Gustin, D. S., and Freeman, assignors.)
Westinghouse Electric & Manufacturing Company. (See Harder, Edwin L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Harder, E. L., and Klemmer, assignors.)
Westinghouse Electric & Manufacturing Company. (See Huggins, Leroy G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jenkins, Charles F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jenkins, C. F., and Rambo, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lindstrom, Ture, assignor.)
Westinghouse Electric & Manufacturing Company. (See Moore, George A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Moore, G. A., and Mueller, assignors.)
Westinghouse Electric & Manufacturing Company. (See Mueller, Erich O., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mylius, Walter G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sonnemann, W. K., and Lewis, assignors.)
Westinghouse Electric & Manufacturing Company. (See Tanner, Elo C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Whitefield, Kyle C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wilke, Richard, assignor.)
Westinghouse Electric & Manufacturing Company. (See Winkler, Frederic C., assignor.)
Wheeler Insulated Wire Company. (See Gaynor, Edwin G., assignor.)
Wheeler Insulated Wire Company. (See Horn, George B., assignor.)
White, Joe, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Electrical system for vehicles. 2,240,595; May 6.
White, John V., and E. J. Ritter, Niles, Ohio; said Ritter assignor to said White. Illuminated screw driver. 2,240,596; May 6.
Whitefield, Kyle C., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Fan blade. 2,240,597; May 6.
Whitten, William H., Bexley Heath, England. Building brick. 2,241,079; May 6.
Wiedmann, Ernst, assignor to The Oilgear Company, Milwaukee, Wis. Pump control. 2,240,898; May 6.
Wilcox-Gay Corporation. (See Gay, Paul S., assignor.)
Wilcox, Harry A., Bronxville, assignor to Automatic Signal Corporation, New York, N. Y. Traffic control system and apparatus. 2,241,047; May 6.
Wildt and Company Limited. (See Hurd, John C. H., assignor.)
Wilke, Richard, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric drill. 2,240,598; May 6.
Wilkinson, Orville H., et al. (See Ducate, Edward J., assignor.)
Williams, Chester A., assignor to The Washburn Company, Worcester, Mass. Culinary utensil and making the same. 2,241,229; May 6.
Williams, Clyde B., et al. (See Walker, Nathan E., assignor.)
Williams, Leo J. (See Smith, Charles F., assignor.)
Wilmot, John C., Chicago, Ill. Interlock for elevator doors. 2,240,820; May 6.
Wilmoth, Arthur L., San Francisco, Calif., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,241,230; May 6.
Wilson, Edwin B., Forest Hills, N. Y. Prefabricated housing. 2,240,592; May 6.
Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Automatic control of television receiving systems. 2,240,533; May 6.
Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Television receiving system. 2,240,534; May 6.
Wilson, John C., Bayside, N. Y., assignor to Hazeltine Corporation. Television synchronizing and control system. 2,240,593; May 6.
Wilson, Wallace E., Wilkinsburg, Pa. Airplane launching apparatus. 2,240,947; May 6.
Winkler, Carl J. (See Winkler, Herman E. and C. J.)
Winkler, Frederic C. Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lighting unit. 2,240,634; May 6.
Winkler, Herman E. and C. J., assignors to U. S. Machine Corporation, Lebanon, Ind. Stoker. 2,240,972; May 6.
Witherow, William P. (See Henderson, Albert, assignor.)
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Friction drive for photographic apparatus of the magazine type. 2,241,231; May 6.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Film handling apparatus. 2,241,232; May 6.
Wm. Bros. Boiler & Mfg. Company. (See Miller, A. S., and Ritchie, assignors.)
Wolverine Fabricating & Manufacturing Company. (See Kreuz, Robert L., assignor.)
Wood Brothers Thresher Company. (See Hunt, M. J., and Moore, assignors.)
Wood, William H., Bedford, assignor to The Harris-Seybold-Potter Company, Cleveland, Ohio. Lithograph plate preparation. 2,240,732; May 6.
Woodall-Duckham (1920) Limited. (See Krall, R. F., and Townend, assignors.)
Woodbridge, Joseph L., Philadelphia, Pa., assignor, by mesne assignments, to The Richardson Company, Lockland, Ohio. Filling and venting structure for storage batteries. 2,240,733; May 6.
Woodruff, Albert E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Sound translating device. 2,241,106; May 6.
Woodruff, Albert E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Sound translating device. 2,241,107; May 6.
Woodruff, Albert E., Oak Park, and A. F. Horlacher, assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Sound translating device. 2,241,105; May 6.
Woodson, Omer L., Eggertsville, N. Y., assignor to Curtiss-Wright Corporation. Cowl fastener. 2,241,336; May 6.
Work, Ernest W., assignor to The Beaton & Cadwell Manufacturing Company, New Britain, Conn. Liquid agitating and siphon break apparatus. 2,241,337; May 6.
Woxén, Ragnar, Lidingo, assignor to Aktiebolaget C. E. Johansson, Eskilstuna, Sweden. Apparatus for determining the nature of surfaces. 2,240,536; May 6.
Wright Aeronautical Corporation. (See Browne, Kenneth A., assignor.)
Wright Aeronautical Corporation. (See Chilton, Roland, assignor.)
Wyler, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Preparation of pentaerythritol. 2,240,734; May 6.
Wylie, Ernest L., St. Louis, Mo. Motor mounting. 2,241,026; May 6.
Yancey, John R., assignor to Gray Tool Company, Houston, Tex. Apparatus for completing wells. 2,241,288; May 6.
Yankfrank, Inc. (See Serr, William F., assignor.)
Yelm, Charles W., and A. F. Reznicek, assignors to The Gates Rubber Company, Denver, Colo. Round belt. 2,240,735; May 6.
Yelm, Charles W., and A. F. Reznicek, assignors to The Gates Rubber Company, Denver, Colo. Self-turning round belt. 2,240,736; May 6.
Yokes, Otto, Detroit, Mich. Building construction. 2,241,169; May 6.
Young, Claude D., assignor to The Foxboro Company, Foxboro, Mass. Recording or indicating instrument. 2,241,233; May 6.
Young, Forrest J., Los Angeles, Calif., assignor, by mesne assignments, to The National Supply Company, Pittsburgh, Pa. Drawworks. 2,240,737; May 6.
Young, Fred M., Racine, Wis. Composition beader and tube plate for radiators. 2,240,537; May 6.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Switch control and indication system. 2,241,048; May 6.
Young, John L., Pittsburgh, Pa., assignor, by mesne assignments, to Plastic Metals, Inc. Producing iron anodes. 2,240,821; May 6.
Zahnradfabrik Friedrichshafen Aktiengesellschaft. (See Maier, Albert, assignor.)
Zehner, Fritz and H., assignors to the firm J. P. Sauer & Sohn, Gewehr-Fabrik, Suhl, Germany. Locking device for double-barrel firearms. 2,241,009; May 6.
Zehner, Hans. (See Zehner, Fritz and H.)
Zeiss Ikon Aktiengesellschaft. (See Görisch, Rolf, assignor.)
Zeiss Ikon Aktiengesellschaft. (See Köber, Fritz, assignor.)
Zeiss Ikon Aktiengesellschaft. (See Kuppenbender, H., Eyth, and Jörg, assignors.)
Zeiss Ikon Aktiengesellschaft. (See Nerwin, Hubert, assignor.)
Zeiss Ikon Aktiengesellschaft. (See Sauer, Hans, assignor.)
Zeiss Ikon Aktiengesellschaft. (See Vierling, O., and Köber, assignors.)
Ziegler, Nicholas A., and H. W. Northrup, assignors to Crane Co., Chicago, Ill. Low temperature impact resistant steel. 2,241,309; May 6.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF MAY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Clip and making same, Floor. J. A. MacLean. Re. 21,792; May 6.
Clip and making same, Floor. J. A. MacLean. Re. 21,793; May 6.
Control-signal systems, Elevator. C. A. Carson. Re. 21,790; May 6.
Cooling tower. L. T. Mart. Re. 21,794; May 6.
Repellent, Termite. N. P. Easling. Re. 21,791; May 6.
Tool, Abrasive. J. N. Bethell. Re. 21,789; May 6.
Tool, Machine. J. Verderber. Re. 21,795; May 6.

LIST OF DESIGN INVENTIONS

Base for poultry fount and feeder. M. T. Bentzen and J. F. Niggeler. 126,997; May 6.
Bedstead or similar article. E. B. Miller. 126,986; May 6.
Bench, Bowling alley. A. Bersin. 126,998; May 6.
Bottle. I. W. Crull. 126,974; May 6.
Bottle. H. Rubin. 126,991; May 6.
Bottle and ice bag or similar article, Combination water. R. W. Albright. 126,970; May 6.
Bottle, Wine. R. H. Dallas. 127,007; May 6.
Bracelet and watch or similar article, Combination. A. Fingerhut. 127,018; May 6.
Brooch or similar article. G. Capellazzi. 127,017; May 6.
Brooch or similar article. M. Forman. 127,019; May 6.
Button back. J. Schneck. 127,012; May 6.
Cape. B. Cashin. 127,048; May 6.
Carpet or similar article. G. V. Uihlein. 127,097; May 6.
Casing for an electric cooker. G. T. Scharfenberg. 127,073; May 6.
Chair, Folding dental. R. C. Angell. 127,080; May 6.
Chest of drawers or similar article. E. B. Miller. 126,984–5; May 6.
Clip, Pin. A. Philippe. 127,027; May 6.
Clip, Pin. A. Philippe. 127,042–3; May 6.
Cloth or similar article, Table. M. E. Kruger. 127,099; May 6.
Cont. A. Wolf. 127,064; May 6.
Conveyer. G. C. Paxton. 126,989; May 6.
Cover, Vending machine. C. A. Melchert. 127,005; May 6.
Cutter, Cooky. F. E. and M. Miller. 127,026; May 6.
Desk, Educational. H. S. Wilson. 126,969; May 6.
Desk or similar article, Prayer. B. E. Krecker. 127,021–3; May 6.
Diffuser, Light. E. F. Guth. 126,980; May 6.
Display case or the like. P. H. James. 126,981; May 6.
Dress. W. Bass. 127,081–2; May 6.
Dress. A. Brody. 127,032; May 6.
Dress. H. Finer. 127,033; May 6.
Dress. S. Fisher. 127,034; May 6.
Dress. H. M. Harris. 127,035; May 6.
Dress. E. Hill. 127,020; May 6.
Dress. E. Hill. 127,051–4; May 6.
Dress. E. Hill. 127,069; May 6.
Dress. J. W. Holsten. 127,070; May 6.
Dress. L. Hoshafian. 127,092–3; May 6.
Dress. C. Jaccarino. 127,036; May 6.
Dress. N. Jones. 127,071; May 6.
Dress. M. McCoy. 127,024–5; May 6.
Dress. M. McCoy. 127,037–8; May 6.
Dress. M. McCoy. 127,095–6; May 6.
Dress. M. Parniss. 127,057–8; May 6.
Dress. J. Richards. 127,044; May 6.
Dress. H. Snowise. 127,078–9; May 6.
Dress. M. E. Tetreault. 127,061; May 6.
Dress. J. Walker. 127,045; May 6.
Dress. H. Wein. 127,046; May 6.
Dress. H. Weisberg. 127,063; May 6.
Dress ensemble. E. R. Dalton. 127,087–9; May 6.
Dress ensemble. E. Hill. 127,068; May 6.
Dress ensemble. J. W. Holstein. 127,091; May 6.
Dress ensemble. M. McCoy. 127,056; May 6.
Dress or similar article. H. Beispel. 127,029; May 6.
Fabric or similar article, Needlepoint tapestry. H. M. O'Brien. 127,039–41; May 6.
Fabric or similar article, Textile. H. Beispel. 127,065; May 6.
Fabric or similar article, Textile. H. Beispel. 127,098; May 6.
Fabric or similar article, Textile. A. Maisch. 127,055; May 6.
Fabric or similar article, Textile. C. Rosenstein. 127,059–60; May 6.
Fabric or similar article, Textile. C. Rosenstein. 127,101–4; May 6.
Fabric, Textile. I. Cummings. 126,963; May 6.
Fabric, Textile. A. Eichler. 127,049; May 6.
Fabric, Textile. R. Faller. 127,002; May 6.
Fabric, Textile. G. J. Rhodes. 126,967; May 6.
Fan, Table. A. A. Goldstein. 127,090; May 6.
Favor. N. Roberts. 126,990; May 6.
Feedboard, Wringer. A. H. Gerhardt. 126,978; May 6.
Flask, Pocket. L. Gebhart and H. L. Ross. 127,009; May 6.
Game board. F. E. Olson. 126,988; May 6.
Gauge or similar article. C. H. Graesser and J. V. Tracy. 126,965; May 6.
Grinder, Coffee. R. L. Schuhmann. 126,992; May 6.
Holder, Brush. R X. Gibo. 127,003; May 6.
Incinerator. J. W. Hebert. 127,004; May 6.
Jacket, Fur. O. Kiam. 127,072; May 6.
Jar. H. M. Gehm. 126,977; May 6.
Jewelry finding for clips or other similar articles of jewelry. A. Freedman. 127,008; May 6.
Lamp and radio receiving set, Combined. D. J. Crowley. 127,066–7; May 6.
Lamp and radio receiving set, Combined. D. J. Crowley. 127,083–6; May 6.
Lamp, Electric glow. H. C. Zaun. 126,996; May 6.
Lamp, Vehicle. W. Trautner. 126,993; May 6.
Magnifying and illuminating device, Combined. C. W. Bettcher. 127,030; May 6.
Pin, Brooch. F. N. Lewis. 126,982; May 6.
Pin or similar article. M. Boucher. 127,014–5; May 6.
Pin or similar article. J. Ruderman. 127,006; May 6.
Plate or similar article. I. Darrow. 126,975–6; May 6.
Plate or similar article. M. C. Ruskin. 127,075–7; May 6.
Plug, Connector. C. H. Judisch. 127,010; May 6.
Purse, Coin. D. M. Wright. 126,995; May 6.
Rack, Tie. F. A. Lisi. 126,983; May 6.
Receptacle, Flexible pocket. D. J. Broughton. 126,999; May 6.
Receptacle, Flexible pocket. W. R. Buxton. 127,001; May 6.
Ring, Finger. C. C. Weston. 126,994; May 6.
Scale, Combined hydrometer and sleeve. J. Z. Hoyer. 126,966; May 6.
Scarf, Lady's. T. and A. M. Katzman. 127,094; May 6.
Scarf or similar article. K. E. Boyd. 127,016; May 6.
Scarf or similar article, Table. S. J. Oppenheim. 127,100; May 6.
Shield for cook stove top burners, Flame. C. E. Parker. 127,011; May 6.
Shoe. G. H. Bingham, Jr. 127,031; May 6.
Sign, Advertising. G. T. Shepherd. 126,968; May 6.
Slip. S. Wolf. 127,047; May 6.
Soap dispenser, Liquid. A. L. Bobrick. 127,013; May 6.
Sock. F. Avandoglio. 126,972; May 6.
Stand and lamp, Combined clothes. M. Warren. 127,028; May 6.
Stopper, Bottle. G. Grunberg. 126,979; May 6.
Suit. V. Gray. 127,050; May 6.
Suit. M. Parnis. 127,074; May 6.
Table. E. C. Booth. 126,973; May 6.
Tank and instrument housing, Combined gas storage. E. H. Gill. 126,964; May 6.
Tire. E. F. Brunner. 127,000; May 6.
Vanity body or similar article. E. B. Miller. 126,987; May 6.
Vase, Flower. L. P. Weil. 127,062; May 6.
Vending machine. A. A. Bradt. 126,962; May 6.
Water and ice bag or similar article, Combination. R. W. Albright. 126,971; May 6.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 6TH DAY OF MAY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accordion strap attachment. F. Stuchly. 2,241,074; May 6.
Adjustable automobile screen. A. Venditti. 2,240,588; May 6.
Air conditioning apparatus. L. G. Huggins. 2,241,033; May 6.
Air conditioning unit. B. W. Jewell. 2,240,784; May 6.
Air cooled clutch. W. L. Clouse. 2,241,241; May 6.
Air cooled clutch. J. H. Friedman. 2,241,242; May 6.
Air supply device. F. J. Kurth. 2,240,991; May 6.
Aircraft. C. H. Babb and J. S. J. Hlobil. 2,240,747; May 6.
Aircraft float light. M. J. Eichschmidt. 2,240,574; May 6.
Aircraft, launching and landing. A. Plesman. 2,241,155; May 6.
Airfoil, Variable surface. J. Gérin. 2,241,196; May 6.
Airplane jack and supporting system. R. G. Stoehr. 2,240,724; May 6.
Airplane landing device, Emergency. C. J. D. Strohecker. 2,241,279; May 6.
Airplane launching apparatus. W. E. Wilson. 2,240,947; May 6.
Airplane lifting and supporting system. R. G. Stoehr. 2,240,723; May 6.
Alloy: *See*—
Aluminum alloy.
Alloys, Aluminum. W. Bonsack. 2,240,489; May 6.
Alloys, Process for working iron carbon. H. Nipper. 2,241,270; May 6.
Aluminum alloy. J. A. Nock, Jr. 2,240,940; May 6.
Amplifier. W. S. Percival. 2,240,715; May 6.
Amplifier cascade, Coupled. E. Severin. 2,240,580; May 6.
Amplifier, Wide band. F. J. Bingley. 2,240,605; May 6.
Analyzer, Color. H. A. Snow. 2,240,722; May 6.
Anchor, Bolt. H. W. Pleister and J. Karitzky. 2,240,716; May 6.
Anchor, Two-way rail. F. A. Preston. 2,240,858; May 6.
Animal tissue, Treatment of. J. M. Ramsbottom. 2,240,518; May 6.
Animal trap. C. D. Briddell. 2,240,754; May 6.
Anodes, Producing iron. J. L. Young. 2,240,821; May 6.
Antenna, Radio. G. O. Benson. 2,240,488; May 6.
Apparatus and method of manufacturing rugs and the like. E. C. and W. S. Seward. 2,240,581; May 6.
Apparatus for attaching turbine blades. R. C. Allen. 2,240,743; May 6.
Apparatus for coalescing foam. L. Dillon and E. G. Ragatz. 2,240,495; May 6.
Apparatus for coking coal. F. Puening. 2,240,575; May 6.
Apparatus for completing wells. J. R. Yancey. 2,241,288; May 6.
Apparatus for determining the nature of surfaces. R. Woxén. 2,240,536; May 6.
Apparatus for discharging objects. E. W. Brandt. 2,241,290; May 6.
Apparatus for dispensing carbonated beverages. H. F. Leeseberg. 2,240,791; May 6.
Apparatus for electric welding. F. Sönnichsen. 2,240,896; May 6.
Apparatus for forming curved sheets. E. B. Cairns. 2,240,548; May 6.
Apparatus for forming packages of strip material. R. C. Flynt. 2,241,123; May 6.
Apparatus for heat transfer by circulating water. J. Van Vulpen. 2,240,731; May 6.
Apparatus for heat treating coal. A. G. Buck. 2,240,757; May 6.
Apparatus for making and dispensing charged beverages. C. Lloyd. 2,241,018; May 6.
Apparatus for making concrete blocks. A. Henderson. 2,240,776; May 6.
Apparatus for making pencil leads. D. Jueiss and F. Drews. 2,241,203; May 6.
Apparatus for manufacturing molded inlaid linoleum. J. L. Berger. 2,241,051; May 6.
Apparatus for medical treatment. A. Waly. 2,240,819; May 6.
Apparatus for mulling beverages. S. J. Kaye. 2,240,953; May 6.
Apparatus for producing hollow articles by immersion. A. Boecler and K. Bratring. 2,241,176; May 6.
Apparatus for separating integument-free segments of citrus fruits. R. Polk, Sr., and R. Polk, Jr. 2,240,909; May 6.

Apparatus for shaping glass charges. J. W. Ross. 2,241,162; May 6.
Apparatus for silencing pulsating gases. A. S. Chipley. 2,241,010; May 6.
Apparatus for testing water. L. G. Daniels. 2,241,121; May 6.
Apparatus for the concentration of minerals. G. Sborlino. 2,240,671; May 6.
Apparatus for the production of artificial threads. A. D. Heywood, J. H. Givens and E. A. Morton. 2,241,304; May 6.
Apparatus for the production of broken filament yarn. F. W. Koster. 2,241,206; May 6.
Apparatus for the treatment of cottonseed and the like. O. L. Kettenbach. 2,240,503; May 6.
Apparatus for use in connection with manufacture of cigarettes. F. O. Raschke and J. P. Kochta. 2,241,072; May 6.
Aromatic compounds, Distillation of vinyl. R. R. Dreisbach and J. E. Pierce. 2,240,764; May 6.
Article of wearing apparel. E. Friedman. 2,241,298; May 6.
Articles, Making composite. J. T. Marvin. 2,241,094; May 6.
Articles, Manufacture of laminated fibrous. W. Lüty. 2,241,312; May 6.
Articles, Method of and apparatus for fatigue-testing filamentary. E. T. Lessig. 2,240,505; May 6.
Ash removing apparatus for incinerators or the like. H. J. King. 2,240,702; May 6.
Attachment for coat hangers. W. J. E. Mills. 2,241,099; May 6.
Attachment for violins and the like. A. Gusman. 2,240,696; May 6.
Automatic direction switch. H. A. Schlosser. 2,241,164; May 6.
Automobile door latch, etc. A. E. Smith. 2,240,524; May 6.
Axminster loom. H. M. Jameson. 2,241,202; May 6.
Azo compounds and material colored therewith. J. B. Dickey. 2,241,247; May 6.
Backfire oil trap. W. W. Lowther. 2,240,851; May 6.
Bag: *See*—
Fish bag. Ironing board bag.
Balance for clocks, watches, and the like, Electric. J. Geisslinger. 2,240,927; May 6.
Balanced telephone circuit. F. R. Mallalieu. 2,240,509; May 6.
Baling press. T. S. Grimes and N. B. Henry. 2,241,063; May 6.
Band-pass filter. H. R. Lubcke. 2,240,840; May 6.
Band trimming or cutting machine. H. F. Nygard. 2,240,796; May 6.
Base, Car-seat. O. E. Hill. 2,240,620; May 6.
Beam deflecting yoke, Electron. L. J. Bobb. 2,240,606; May 6.
Beam measuring instrument. B. W. King. 2,240,701; May 6.
Bearing: *See*—
Locomotive crankpin bearing. Locomotive rod bearing.
Bearing for ore classifiers. S. I. Bousman. 2,241,178; May 6.
Bed, Child's. R. B. Bukolt. 2,240,978; May 6.
Bedspring. S. Raduns. 2,240,517; May 6.
Belt, Round. C. W. Yelm and A. F. Reznicek. 2,240,735; May 6.
Belt, Self-turning round. C. W. Yelm and A. F. Reznicek. 2,240,736; May 6.
Beta-diketones, Manufacture of. C. J. Krister. 2,240,934; May 6.
Bicycle gear. F. Montiglio. 2,240,998; May 6.
Binding agent for linoleum. A. B. Miller. 2,240,939; May 6.
Bird perch. J. E. Hanson. 2,241,259; May 6.
Blade for manure spreaders or the like, Distributor. B. J. Selhorst. 2,240,720; May 6.
Bleacher, Portable. D. E. and H. C. Vance. 2,241,281; May 6.
Blowout device for electric switches. T. B. Jochem, C. W. Kuhn and W. C. Stevens. 2,240,654; May 6.
Board: *See*—
Game board.
Body wall lining covering and connecting device. E. Komenda. 2,240,933; May 6.
Books, etc., Method of producing. H. H. Moreton. 2,240,999; May 6.
Bore gauge. V. S. Westcott. 2,241,287; May 6.
Bottle cooler. E. C. Tanner. 2,240,528; May 6.

Bottle lip, Sanitary. R. L. Hartman and H. S. Lowe. 2,240,647; May 6.
Bottle washing machine. P. C. Read. 2,240,717; May 6.
Box: *See*—
Display box. Suds box.
Folding box.
Box wrapping machine, Nonstop. E. G. Rider. 2,241,160; May 6.
Bracket: *See*—
Curtain or shade bracket. Scaffold bracket.
Handrail bracket.
Insulator pin reinforcing bracket.
Brake: *See*—
Selfadjusting brake.
Brake, E. W. Rouch. 2,241,163; May 6.
Brake device, Automatic shaft. V. Kinser. 2,240,932; May 6.
Brake lever construction. R. A. Sandberg and C. R. Duncan. 2,240,802; May 6.
Brake lever, Toggle. H. S. Jandus. 2,240,783; May 6.
Braking system, Fluid pressure. H. C. Bowen. 2,241,112; May 6.
Braking system for assisting in steering. A. N. Milster. 2,241,214; May 6.
Brick, Building. W. H. Whitten. 2,241,079; May 6.
Broiler. J. L. Pringle. 2,241,317; May 6.
Brush and dispenser, Denture. A. Waterud. 2,240,876; May 6.
Brush, Shaving. B. Buddish. 2,240,547; May 6.
Bubble deck construction. A. S. Brunjes. 2,241,114; May 6.
Bubble tray. B. F. Armstrong. 2,241,370; May 6.
Buffing device. P. E. Hawkinson. 2,240,559; May 6.
Building construction. O. Yokes. 2,241,169; May 6.
Burner: *See*—
Oil burner. Safety pilot burner.
Burner construction, Oil. R. C. Sabins. 2,240,861; May 6.
Burner installation, Oil. L. O. Selby. 2,241,325; May 6.
Cabinet construction. V. H. Springford and W. H. Ellis. 2,240,916; May 6.
Cable: *See*—
Electric cable.
Calculating machine. W. J. Pasinski. 2,240,797–8; May 6.
Calculating machine. J. A. V. Turck. 2,241,102; May 6.
Camera, Photographic. H. O. Drotning. 2,241,248; May 6.
Camera, Photographic. H. Kuppenbender, H. Eyth, and E. Jörg. 2,241,017; May 6.
Camera, Photographic. H. Nerwin. 2,241,020; May 6.
Camera, Stereo. O. Vierling and F. Köber. 2,240,728; May 6.
Car: *See*—
Wide frame mine car.
Carburetor. W. C. Dunn. 2,240,497; May 6.
Carburizing mechanism. D. V. Scullen. 2,240,863; May 6.
Card controlled machine. R. E. Paris. 2,240,667; May 6.
Card punching machine. F. M. Carroll. 2,240,549; May 6.
Card punching machine. M. Maul. 2,240,566; May 6.
Carrier: *See*—
Ladder carrier.
Case: *See*—
Initial wrist-watch case.
Cash register. W. H. Robertson and J. P. Frank. 2,241,272; May 6.
Casing drying apparatus. G. G. Fisher and G. W. Grubbe. 2,240,839; May 6.
Cathode, Electron emissive. D. S. Gustin and G. A. Freeman. 2,241,345; May 6.
Cathode, Electron emissive. D. S. Gustin and G. A. Freeman. 2,241,362; May 6.
Cedarwood, Egg-shaped body of red. C. E. Storck. 2,241,167; May 6.
Cements, Filtration utilizing porous. W. E. Lawson. 2,240,622; May 6.
Chain guide for hoists, Sprocket. C. H. Schramm. 2,240,523; May 6.
Chair. W. A. Burke. 2,241,115; May 6.
Chair. E. M. Knabusch and E. J. Shoemaker. 2,240,850; May 6.
Change speed gear. A. Maier. 2,240,995; May 6.
Charge forming device. E. J. Partington. 2,240,515; May 6.
Charging device for coking chambers. R. F. Krall and F. S. Townend. 2,241,310; May 6.
Chassis of rear-engined motor vehicles. M. Klavík. 2,241,036; May 6.
Chassis of rear-engined vehicles. M. Klavík. 2,241,038; May 6.
Chemical apparatus. C. E. Anderson. 2,240,921; May 6.
Chenille tufting machine. R. H. Bradwell. 2,241,113; May 6.
Chlorine, Production of. D. L. Reed. 2,240,668; May 6.
Chock wheel. O. Morgensen, Jr. 2,240,512; May 6.
Choker and fitting therefor, Logging. W. A. Meighan. 2,240,510; May 6.
Chopper, Cotton. R. L. Huckeba. 2,241,133; May 6.
Chuck, Crankshaft. W. L. Groene. 2,240,949; May 6.
Chuck, Nail. G. C. Paxton. 2,240,516; May 6.
Cigar filler press. H. R. Kasper. 2,241,069; May 6.

Cigarette dispensing device. C. L. Carlton. 2,240,884; May 6.
Cigarette holder and extinguishing means. J. H. Adams. 2,240,538; May 6.
Cigarette package. C. C. Baldwin. 2,240,539; May 6.
Circuit: *See*—
Balanced telephone circuit.
Electric oscillation generator.
Circuit breaker. T. Lindstrom. 2,240,656; May 6.
Circuit breaker control system. M. Schiesser. 2,240,803; May 6.
Circuit for cathode ray tubes. K. E. Gould. 2,241,256; May 6.
Circuit interrupting device. T. Lindstrom. 2,240,623; May 6.
Circuits, Electric. B. D. Bedford and M. A. Edwards. 2,241,050; May 6.
Clamp: *See*—
Pipe coupling clamp. Skin clamp.
Clamping device. J. Riebe. 2,241,021; May 6.
Clamping device. W. T. Scarritt. 2,241,042; May 6.
Clarifier, Water. C. Graham. 2,241,346; May 6.
Clasp, Jewelry. H. Borden. 2,240,479; May 6.
Cleaner: *See*—
Tube cleaner. Vacuum cleaner.
Clip: *See*—
Paper clip.
Clock, Multiple function control. H. F. Elliott. 2,240,498; May 6.
Closure, Bottle. M. and A. E. Sierad. 2,241,022; May 6.
Closure latch and guard. W. J. Christie. 2,240,923; May 6.
Clothing or like supporting member. R. A. Dobbins. 2,241,084; May 6.
Clutch: *See*—
Aid cooled clutch.
Coating machine. H. W. Weinhart. 2,241,228; May 6.
Coffee making apparatus. H. Selitzky. 2,240,721; May 6.
Cofferdam. M. R. Meacham and O. Lessing. 2,240,567; May 6.
Color photography, Printing method for. O. C. Gilmore. 2,241,124; May 6.
Combined illuminating and signal lamp. E. Hicks and C. L. Schnakenberg. 2,241,066; May 6.
Compensator, Capacitance. H. T. Clark. 2,241,057; May 6.
Composite article and making same. W. L. Semon. 22,240,805; May 6.
Composition for use in printing. C. O. Beckley. 2,240,486; May 6.
Compound, Underwater. J. B. Arpin. 2,240,744; May 6.
Compounds from mineral oils, Extraction of phenolic. H. G. Vesterdal. 2,240,727; May 6.
Compressor unloading mechanism. H. A. Gehres. 2,241,195; May 6.
Compressor, Valve spring. R. Styles. 2,240,897; May 6.
Concrete, Method of and means for curing. C. W. Hunt. 2,240,778; May 6.
Condensation products from butane tetra carboxylic acids and process for producing same. H. Hopff. 2,241,201; May 6.
Condensation products, Manufacture of organic. W. J. Sparks and D. C. Field. 2,240,583; May 6.
Condiment holder. K. E. B. Stenberg. 2,241,044; May 6.
Conductor, Flexible. E. E. Schumacher and A. G. Souden. 2,240,579; May 6.
Conductors, Heating. G. W. Hampe and K. W. Miller 2,240,772; May 6.
Confectionery extruding machine. J. T. Berry. 2,241,236; May 6.
Connector. R. D. Campbell. 2,241,293; May 6.
Contact, Electrical. C. W. Keitel. 2,241,262; May 6.
Container. W. E. Amberg. 2,240,599; May 6.
Container construction. H. A. Steele. 2,240,944; May 6.
Container for flour and similar products. E. C. Garratt. 2,241,085; May 6.
Container gassing apparatus, Filled. A. L. Kronquest. 2,240,655; May 6.
Control, air flow. C. L. Akers. 2,241,108; May 6.
Control device, Electrical. S. W. Marchant. 2,240,891; May 6.
Control mechanism. C. E. Ives. 2,240,781; May 6.
Control of television receiving systems, Automatic. J. C. Wilson. 2,240,533; May 6.
Control of the liquid level for evaporators, Automatic. R. A. Hetzer. 2,240,952; May 6.
Control system. G. De Croce. 2,240,638; May 6.
Control system. E. J. Dillman. 2,240,763; May 6.
Control system, Compressor. M. C. Shaw. 2,241,330; May 6.
Control system for pipe lines. W. G. Heltzel, J. B. Harshman, and J. R. Polston. 2,240,775; May 6.
Control system, Tensiometer. W. G. Cook. 2,240,637; May 6.
Conveyer. F. Cartlidge. 2,241,359; May 6.
Conveyer inlet with crusher. E. B. Tolman, Jr. 2,240,868; May 6.
Cooler: *See*—
Bottle cooler. Liquid cooler.
Dry bottle cooler.
Counterbalance, Whip roll. F. J. Hagen. 2,240,646; May 6.
Coupling device. C. F. Greiner. 2,240,886; May 6.
Coupling device for temporary structures. M. Segre. 2,240,864; May 6.

Cover: *See*—
Seat cover.
Cowl fastener. O. L. Woodson. 2,241,336; May 6.
Cowling for aircraft engines with movable air outlet flaps. O. Voss. 2,240,875; May 6.
Cream bottle washer. H. Poxon. 2,240,572; May 6.
Crushing machine. P. Schilz. 2,240,673; May 6.
Cubicle assembly. T. F. Anderson. 2,240,482–4; May 6.
Cup machine. H. Greenhill. 2,240,501; May 6.
Curler, Hair. W. H. Schmitt. 2,240,959; May 6.
Current demagnetizer, Alternating. J. T. Beechlyn. 2,240,749; May 6.
Curtain or shade bracket. P. P. Grabowsky. 2,240,987; May 6.
Curtain, Shade and drape bracket, Combination. V. P. Rosage. 2,240,895; May 6.
Cushion, Spring and air. M. Stubnitz. 2,240,872; May 6.
Cutting tool. W. L. Bond. 2,240,685; May 6.
Cutting tool and making same. A. J. Bevillard. 2,240,829; May 6.
Cyclopropane, Preparing. J. M. Ort. 2,240,513–14; May 6.
Cylinder construction. K. A. Browne. 2,241,330; May 6.
Davenport. W. J. Bak. 2,240,748; May 6.
Degreasing of metal articles. N. R. Hood and S. B. Spencer. 2,240,989; May 6.
Dehydroabietic acid derivatives. E. R. Littmann. 2,240,936; May 6.
Derrick structure. C. J. Moon. 2,240,852; May 6.
Designs, Method and article for producing shaded. W. Swaysland. 2,240,945; May 6.
Desk, table, or other similar article of furniture. A. C. Friedel. 2,240,767; May 6.
Desiccating apparatus. D. D. Peebles. 2,240,854; May 6.
Device for converting atoms. W. Schlitze. 2,240,914; May 6.
Device for grooving preformed sheets. E. L. Dryer. 2,240,765; May 6.
Device for straightening spiral binders. A. Freundlich. 2,240,903; May 6.
Device to convert mechanical vibrations into electrical oscillations. R. Vermeulen and H. S. Fuchs. 2,240,918; May 6.
Diaphragm, hydraulic. R. Chilton. 2,241,056; May 6.
Differential protective relaying. E. L. Harder and E. H. Klemmer. 2,240,699; May 6.
Dish, Child's. A. Bartsch. 2,240,602; May 6.
Dispenser: *See*—
Twine dispenser.
Display. F. A. Sunderhauf and C. H. Stolte. 2,241,075; May 6.
Display box. J. D. Greig. 2,240,645; May 6.
Display device. H. Armistead. 2,240,899; May 6.
Display stand, Collapsible. E. H. Sherwood. 2,240,960; May 6.
Distillation. M. J. P. Bogart and J. S. F. Carter. 2,240,752; May 6.
Distributor, Air. P. D. Harrigan. 2,240,617; May 6.
Dobby cord terminals, Making. B. T. Clark. 2,240,982; May 6.
Door: *See*—
Revolving door.
Door construction, Dump car. A. Campbell. 2,241,687; May 6.
Door handle assembly. E. G. Simpson. 2,240,865; May 6.
Door latch. A. Diemer. 2,240,690; May 6.
Door lock. C. S. Bock. 2,241,109; May 6.
Door lock. A. L. Nelson. 2,240,853; May 6.
Draft connection. E. P. Kinne and F. H. Kayler. 2,241,353; May 6.
Drain trap. C. F. Smith. 2,241,005; May 6.
Drawing device. E. G. Senstrom. 2,240,719; May 6.
Drawworks. J. D. Spalding. 2,240,741; May 6.
Drawworks. F. J. Young. 2,240,737; May 6.
Drier: *See*—
Hair drier.
Drill: *See*—
Electric drill.
Drilling lift. J. C. Mason. 2,240,794; May 6.
Drilling machine. J. S. Morgan, Jr., and F. L. Gillett. 2,240,795; May 6.
Drilling mud, Method of and apparatus for the treatment of. W. W. Robinson and R. R. Crippen. 2,241,273; May 6.
Drilling rig, Rotary. J. A. Dunn. 2,240,738; May 6.
Drive mechanism for crossing protective systems or the like. J. M. Evans. 2,240,948; May 6.
Drive wheel lock. C. F. Greiner. 2,240,887; May 6.
Driving device for mills. F. Henschel. 2,240,649; May 6.
Dry bottle cooler. E. C. Tanner. 2,241,023; May 6.
Dyes and process for preparing them, Sensitizing methine. L. G. S. Brooker and G. H. Keyes. 2,241,238; May 6.
Dyes, Preparation of pseudo-cyanine. L. G. S. Brooker. 2,241,237; May 6.
Dynamoelectric machine. J. H. Staak. 2,241,073; May 6.
Dynamoelectric machine with distorted field flux. C. F. Jenkins. 2,240,652; May 6.
Ear, Trolley. J. E. Maloney, F. R. Burkhardt, and W. H. Hull. 2,240,954; May 6.
Earth inductor compass. A. A. Stuart, Jr. 2,240,680; May 6.
Egg rack. H. C. Brockmeier. 2,240,832; May 6.
Elbow and U bends, Forming. J. J. Smith. 2,240,525; May 6.
Electric cable. R. W. Atkinson. 2,240,745; May 6.
Electric, Contact. A. J. McMaster. 2,240,997; May 6.
Electric drill. R. Wilke. 2,240,598; May 6.
Electric oscillation generator. W. E. Kock. 2,240,788; May 6.
Electric switch. H. J. Blakeslee. 2,241,052; May 6.
Electric switch. H. J. Hammerly. 2,240,770; May 6.
Electrical impulse, Method and apparatus for determining the wave form of a periodic. W. S. Huxford. 2,241,371; May 6.
Electrical system for vehicles. J. White. 2,240,595; May 6.
Electrical underground prospecting, Method and apparatus for. M. Schlumberger. 2,240,520; May 6.
Electrogalvanic apparatus for use in connection with baths or the like, Portable. F. Landauer. 2,240,504; May 6.
Electron discharge tube system. J. Avins. 2,240,635; May 6.
Emulsions, Resolving petroleum. M. De Groote and B. Keiser. 2,241,011; May 6.
Engine: *See*—
Internal combustion engine.
Engine unit mounting. M. F. A. Julien and J. F. Paulsen. 2,241,139; May 6.
Engraving. J. W. Dalton. 2,241,120; May 6.
Engraving machine. M. L. Alexander. 2,240,825; May 6.
Equalizing ring for corrugated type expansion joints. W. W. Gamble. 2,240,694; May 6.
Esters containing unsaturated higher acid radicals, Manufacture of cellulose. C. J. Malm and G. D. Hiatt. 2,241,226; May 6.
Esters of cellulose, Sulphocarboxylic acid. G. B. Bachman. 2,241,235; May 6.
Ethers, Process of producing chlorinated. H. Hopff. 2,241,200; May 6.
Ethylene oxide, Production of. F. J. Metzger. 2,241,019; May 6.
Exhaust pipe and boiler tube collapser and puller. O. Kouba. 2,241,207; May 6.
Expansion joint for sectional concrete paving and similar structures. W. W. Kinzer. 2,240,786; May 6.
Expansion joint for sectional paving. W. W. Kinzer. 2,240,787; May 6.
Expansion shell for machine bolts. J. Fleaca. 2,241,343; May 6.
Extractor: *See*—
Fruit juice extractor.
Extractor. T. A. Baker. 2,240,826; May 6.
Extrusion mill. E. T. Meakin. 2,240,660; May 6.
Fabric: *See*—
Tubular woven fabric.
Fabrics, Manufacture and treatment of textile. H. Dreyfus. 2,240,554-5; May 6.
Fabrics, Raising and curling the fluffs of. B. Sonnino. 2,241,222; May 6.
Facing, Grooved plywood. M. H. Carpenter. 2,241,080; May 6.
Fan. C. F. Jenkins and R. E. Rambo. 2,240,653; May 6.
Fan blade. K. C. Whitefield. 2,240,597; May 6.
Fastener: *See*—
Cowl fastener. Rail fastener.
Feeder: *See*—
Viner feeder.
Feeder for pressure-liquefied fuels. R. E. Hanson. 2,240,846; May 6.
Fence. J. A. Denton. 2,240,689; May 6.
Figure mounting. P. J. Camien. 2,240,758; May 6.
Filling and venting structure for storage batteries. J. L. Woodbridge. 2,240,733; May 6.
Film handling apparatus. O. Wittel. 2,241,232; May 6.
Film magazine, Photographic. A. E. Lechleitner. 2,241,265; May 6.
Film splicing device. B. Stechbart. 2,241,224; May 6.
Films, Curing of synthetic resin. R. H. Talbot. 2,241,225; May 6.
Films, Means and method for reproducing sound from sound. R. Görisch. 2,240,695; May 6.
Filter: *See*—
Band-pass filter. Ultraviolet light filter.
Filtering device. P. Schlumbohm. 2,241,308; May 6.
Finger ring. F. L. Shelton. 2,241,165; May 6.
Finned condenser tube. E. S. Lea. 2,241,209; May 6.
Firearm balancer. W. L. Swartz. 2,240,681; May 6.
Firing rotary kilns in the production of Portland cement. H. M. Armel. 2,240,485; May 6.
Fish bag. P. Mohler. 2,241,314; May 6.
Fish screen. A. F. Durtschi. 2,240,642; May 6.
Fishhook. J. J. Gall. 2,241,501; May 6.
Fishhook, Weedless. A. O. Sarff. 2,241,320; May 6.
Fishing rod and sand spike, Combination. E. Ceder. 2,241,183; May 6.
Fitting for store counter. R. T. von Palmenberg. 2,240,729; May 6.
Fixture, Curtain. A. J. Dabelstein. 2,241,082; May 6.
Flotation separation of minerals. A. L. Blomfield and B. S. Crocker. 2,240,976; May 6.
Fluid and mechanical friction brake, Combined. B. Dick. 2,241,183; May 6.
Fluid-conducting tube, Composite. H. C. Daniels. 2,241,245; May 6.

Fluid control system. J. Gift. 2,241,197; May 6.
Fluid dispensing apparatus. H. H. Berger. 2,240,604; May 6.
Fluid driven motor. W. L. Bond. 2,240,686; May 6.
Fluid metering apparatus. R. A. Werts. 2,241,286; May 6.
Fluid motor. G. A. Wahlmark. 2,241,046; May 6.
Fluid, Oil base drilling. A. D. Garrison. 2,241,255; May 6.
Fluid supply means for fluid brakes, Auxiliary. B. Dick. 2,241,188; May 6.
Focusing device for cameras. A. H. Cohen. 2,241,185; May 6.
Folding box. N. Snelling. 2,240,811; May 6.
Food product. W. F. Serr. 2,240,522; May 6.
Food product and making, Pop corn. S. S. Chandler. 2,240,759; May 6.
Food slicer. C. R. Theodore. 2,240,815; May 6.
Food storage receptacle for refrigerators. G. C. Harbison. 2,241,064; May 6.
Forging press. H. Mergel. 2,240,661; May 6.
Frame for building construction units, Metal. L. K. Mayne and A. Callander. 2,241,266; May 6.
Friction drive for photographic apparatus of the magazine type. O. Wittel. 2,241,231; May 6.
Fruit juice extractor. W. E. Clark. 2,241,081; May 6.
Fuel and making same, Nitrated Diesel. C. Ellis. 2,240,558; May 6.
Fuel control, Thermostatic. O. W. Hahn. 2,240,950; May 6.
Fuel distributing chamber. W. T. Hanna. 2,240,698; May 6.
Fuel supply control means. E. J. Dillman. 2,241,296; May 6.
Furnace: *See*—
Hot air furnace.
Furnace. N. E. Walker. 2,240,531; May 6.
Fuse holder. H. J. Hammerly. 2,240,771; May 6.
Gaff hook. A. I. Koivu. 2,241,308; May 6.
Gain control system, Automatic. A. R. Applegarth, Jr. 2,240,600–1; May 6.
Game apparatus. E. E. Stark. 2,240,871; May 6.
Game board. G. W. Hartman. 2,240,619; May 6.
Garment construction. H. Fishman. 2,240,902; May 6.
Garment hanger. J. S. Crocker. 2,240,885; May 6.
Garment pad. S. Freedman. 2,240,613; May 6.
Garment pressing machine. G. H. and R. A. Rawlinson. 2,241,373; May 6.
Gas to gas-producing formations, Returning. D. R. Conlon, Jr. 2,240,550; May 6.
Gaseous mixtures, Rectification. W. L. De Baufre. 2,240,925; May 6.
Gauge: *See*—
Bore gauge. Maximum pressure gauge.
Liquid gauge.
Gear: *See*—
Bicycle gear. Change speed gear.
Gear shifting apparatus. W. A. Johns. 2,240,621; May 6.
Gearing, Auxiliary transmission. C. D. Peterson. 2,241,002; May 6.
Gearing, Rack and pinion. E. W. Patterson. 2,241,000; May 6.
Generator: *See*—
Electric oscillation generator.
Glass furnace provided with drawing-off basins. E. Roirant. 2,241,161; May 6.
Glass, optical. L. W. Eberlin and P. F. De Paolis. 2,241,249; May 6.
Glass replacement tool. L. Chubb. 2,241,028; May 6.
Golf practice mechanism. H. Drachenberg and W. Schwab. 2,240,691; May 6.
Grain separator. M. J. Hunt and J. Moore. 2,240,779; May 6.
Grate, Automatic fluid cooled. G. W. Wallace. 2,240,590; May 6.
Grinder, Crankshaft. J. Sunnen. 2,240,527; May 6.
Grinding machine, Crankshaft. C. G. Flygare. 2,241,342; May 6.
Gripper for printing presses. E. D. Allen. 2,241,172; May 6.
Guard, Safety. W. H. Searjeant. 2,240,915; May 6.
Guard, Safety saw. H. Conine. 2,240,983; May 6.
Guard, Weed. A. O. Sarff. 2,241,367; May 6.
Hair drier. M. W. Pitner. 2,240,857; May 6.
Hammer, Electromagnetic. C. H. Hulbert. 2,241,364; May 6.
Hand brake signal. W. J. Snover. 2,241,277; May 6.
Hand loom. W. J. and W. G. Hines. 2,241,199; May 6.
Hanger: *See*—
Garment hanger.
Harrow, Wheeled sectional. J. A. Hench. 2,240,889; May 6.
Header and tube plate for radiators, Composition. F. M. Young. 2,240,537; May 6.
Headlight control, Automatic. L. W. Gillespie. 2,240,843; May 6.
Headrail bracket. F. J. Burns. 2,241,054; May 6.
Hearing aid. H. Lieber. 2,241,093; May 6.
Heat pump system. H. Gibson. 2,241,060; May 6.
Heat pump system. D. W. McLenegan. 2,241,070; May 6.
Heat treating. F. S. Denneen, W. C. Dunn, and C. N. Mitchell. 2,240,494; May 6.
Heater. A. F. Wedderspoon. 2,241,025; May 6.
Heater for aircraft engines. C. A. Seitz. 2,240,674; May 6.
Heating pad. R. J. Fitz Maurice. 2,240,625; May 6.
Heating system for buildings. P. W. Hamjy. 2,240,951; May 6.
Heel, Footwear. G. W. Cobb. 2,240,835; May 6.
Helmet. G. A. Boesger. 2,240,751; May 6.
High frequency wattmeter. E. Mittelmann. 2,240,955; May 6.
Hinge stop attachment. A. Kuney. 2,240,790; May 6.
Hitch, Safety tractor. J. B. Lokken. 2,240,657; May 6.
Hogshead, Knockdown reusable. W. S. Luckett. 2,241,210; May 6.
Hoisting apparatus. E. Shinn and E. Shinn, Jr. 2,241,275; May 6.
Holder: *See*—
Condiment holder. Package holder.
Fuse holder. Paper roll holder.
Key holder. Tool holder.
Holder for paper sheets. F. C. Armstrong and K. K. Van Meter. 2,240,974; May 6.
Holder for reflectors and the like. E. C. McKinnie. 2,240,659; May 6.
Holder for rotary swaging machines, Work. E. A. Conner. 2,240,688; May 6.
Holding device. R. R. Harrison. 2,241,029; May 6.
Hollow articles, Production of. A. Boecler and K. Bratring. 2,241,177; May 6.
Hook: *See*—
Gaff hook.
Hopper, Convertible seed planting. W. E. Dean. 2,240,610; May 6.
Hose and making same. A. D. Maclachlan. 2,241,355; May 6.
Hot-air furnace. R. E. Grebe. 2,241,303; May 6.
Housing, Explosionproof switch. C. H. Bissell. 2,240,922; May 6.
Housing, Prefabricated. E. B. Wilson. 2,240,592; May 6.
Hover, Gas burning floor brooding. J. B. Olson and H. O. Petraske. 2,240,571; May 6.
Hydraulic press. R. W. Dinzl. 2,240,926; May 6.
Hydraulic transmission. W. Ferris. 2,240,901; May 6.
Hydraulically operated machine tool. E. J. Hirvonen. 2,241,014; May 6.
Hydrocarbons, Production of valuable petroleum. R. Rosen and C. A. Cohen. 2,240,577; May 6.
Ice cream vendor. W. W. Hamel. 2,240,928; May 6.
Ice, Manufacturing carbonated. M. Glazer. 2,240,769; May 6.
Igniting device, Gas. T. I. Lewis. 2,240,508; May 6.
Ignition means. R. H. Stone. 2,240,632; May 6.
Illuminated device. Z. Chaplick. 2,240,608; May 6.
Illuminated sign. L. R. Tschopp. 2,240,917; May 6.
Illuminating device for aircraft. M. C. Harley. 2,241,128; May 6.
Impulses, receiving periodic. G. Ulbricht. 2,241,170; May 6.
Indicating mechanism for ignition interrupters. W. E. Schwarzmann. 2,240,804; May 6.
Indicator: *See*—
Liquid level indicator. Rate of climb indicator.
Position indicator.
Indicator, Direction. W. H. and B. J. Desaulniers. 2,240,984; May 6.
Initial wrist-watch case. B. Lazrus. 2,240,993; May 6.
Inking apparatus for aniline color printing machines. P. Dietrich. 2,240,762; May 6.
Insulator pin reinforcing bracket. E. A. Mack. 2,241,212; May 6.
Interlock for elevator doors. J. C. Wilmot. 2,240,820; May 6.
Interlocking mechanism. G. Nelson. 2,241,269; May 6.
Internal combustion engine. P. E. Mack. 2,241,211; May 6.
Iron: *See*—
Steaming iron.
Ironing board bag. A. Kovalik. 2,241,309; May 6.
Jack support for automobile hoists, Vibratory. C. J. Bristol. 2,240,756; May 6.
Joint: *See*—
Oscillation joint.
Jointed mechanism chiefly adapted for use upon undercarriages of aircraft. J. Mercier. 2,241,213; May 6.
Ketones, Catalytic oxidation of. J. J. Owen. 2,240,714; May 6.
Ketones, Process for production of nitrogen-substituted amino methylene. J. A. van Melsen. 2,240,965; May 6.
Key holder. R. M. Schupbach. 2,241,358; May 6.
Kite, Monoplane. O. E. Bradford. 2,240,881; May 3.
Knitting hosiery. R. L. Bunton. 2,241,291; May 6.
Knitting machine, Circular. J. C. H. Hurd. 2,241,134; May 6.
Ladder carrier. A. G. Sundstrom. 2,241,076; May 6.
Lamp: *See*—
Combined illuminating and Projection lamp.
signal lamp.
Lamp for picture projection, Electric. E. May. 2,240,707; May 6.
Lapping machine. H. S. Indge and F. E. Johnson. 2,241,351; May 6.
Last. J. F. Smith. 2,240,867; May 6.
Latch: *See*—
Automobile door latch, etc. Door latch.
Lathe, Copying. W. Wenzig. 2,241,285; May 6.

Lavatory and drinking fountain, Combination. G. P. Gavin. 2,241,194; May 6.
Lens and lens mount. F. A. Bangert, R. K. Day, and T. G. Aitcheson, and L. J. Davenport. 2,240,827; May 6.
Lens system, Magnetic. L. A. W. E. Kemp. 2,240,700; May 6.
Levels, Spirit and like. H. Shaw. 2,240,807; May 6.
Lift and depth control device for farm implements, Electric. J. H. Arnst. 2,240,879; May 6.
Lifter: *See*—
Vine lifter.
Light: *See*—
Aircraft float light.
Light fixture. C. W. Howell. 2,240,651; May 6.
Lighter, Cigar and cigarette. L. E. Stanard. 2,240,678; May 6.
Lighting apparatus. E. G. Gaynor. 2,241,360; May 6.
Lighting unit. F. C. Winkler. 2,240,634; May 6.
Lining for brakes and the like. E. E. Pickard. 2,241,218; May 6.
Liquid agitating and siphon break apparatus. E. W. Work. 2,241,337; May 6.
Liquid cooler. U. E. Coons. 2,241,186; May 6.
Liquid dispensing system and a cap therefor. S. Mezzapesa. 2,241,097; May 6.
Liquid into flowing fluids, Introducing. D. A. Sillers and A. Clarke. 2,240,808; May 6.
Liquid level indicator. K. L. Hertel. 2,240,988; May 6.
Liquid meter. F. Horton. 2,241,132; May 6.
Lithograph plate preparation. W. H. Wood. 2,240,732; May 6.
Lithography. B. W. Hannon. 2,240,773; May 6.
Liquid gauge. M. P. Russo. 2,240,669; May 6.
Lock: *See*—
Door lock. Drive wheel lock.
Locking device for double-barrel firearms. F. and H. Zehner. 2,241,009; May 6.
Locking device for film winding mechanism. H. O. Drotning. 2,241,122, May 6.
Locomotive crankpin bearing. G. McCormick, B. M. Brown, and F. E. Russell. 2,240,708; May 6.
Locomotive rod bearing. R. E. Horger. 2,241,350; May 6.
Loom: *See*—
Axminster loom. Hand loom.
Lubricant retaining casing. W. E. Horrocks. 2,241,032; May 6.
Lubrication system. O. L. Starr. 2,240,870; May 6.
Luminescent screen. R. R. Law. 2,240,706; May 6.
Luminescent screen. L. M. Myers. 2,241,215; May 6.
Lump breaking apparatus. W. L. Strawn. 2,240,535; May 6.
Lure, Fishing. W. M. Moats. 2,241,152; May 6.
Lyres, Illuminated music. C. W. Roseberry. 2,241,319; May 6.
Machine for applying pressure to shoe bottoms. C. J. Gross. 2,240,616; May 6.
Machine for manufacturing edible ice. W. Dummler. 2,240,641; May 6.
Machine for manufacturing sheet metal surfacing units. H. J. Little. 2,241,146; May 6.
Machine for preparing wall and ceiling papers for hanging. B. M. Thomas. 2,241,007; May 6.
Machine for weaving. F. E. Robson. 2,241,318; May 6.
Machine tool structure and control mechanism. J. B. Armitage. 2,240,973; May 6.
Magnesium, Production of. R. Suchy and H. Seliger. 2,240,584; May 6.
Magnesium, Production of high purity. F. Hansgirg. 2,240,817; May 6.
Magnetic switch. C. V. Hildebrecht. 2,240,847; May 6.
Manicure appliance. C. A. Sherman. 2,241,003; May 6.
Manipulator. J. O. Bishop. 2,240,739; May 6.
Master cylinder valve. S. Schnell. 2,240,521; May 6.
Materials, Treating cellulose derivative. J. B. Dickey and J. B. Normington. 2,241,246; May 6.
Matrix changing device. J. E. Morgan. 2,240,956; May 6.
Mattress construction. N. D. Mattison. 2,241,039; May 6.
Maximum pressure gauge. K. J. De Juhasz. 2,240,492; May 6.
Measuring device. A. Bouchard and J. V. Tremblay. 2,240,753; May 6.
Merchandise shipping and display package. N. Snelling. 2,240,810; May 6.
Meter: *See*—
Liquid meter. Watt-hour meter.
Parking meter.
Meter testing apparatus. R. J. Bushnell. 2,241,181; May 6.
Method and apparatus for spreading powdered material. S. K. Wellman. 2,240,971; May 6.
Method of distilling monomeric polymerizable substances. C. E. Barnes. 2,241,175; May 6.
Milk sampler apparatus. E. E. Hageline. 2,240,888; May 6.
Mill: *See*—
Extrusion mill.
Mine conductor support. A. H. Genter. 2,240,986; May 6.
Mirror, Illuminated. H. C. Johnson. 2,240,785; May 6.
Mixing and grinding mill, Combined. B. H. Flynn. 2,240,841; May 6.
Molding. O. J. Crowe. 2,240,491; May 6.
Molding. W. J. Hall. 2,240,502; May 6.
Molding composition and manufacture. E. R. Dillehay. 2,240,480; May 6.
Molding device with extensible core. E. G. L. Girard. 2,241,125; May 6.
Mop, Dusting. S. Schulman. 2,240,628; May 6.
Motor: *See*—
Fluid driven motor. Water power motor.
Fluid motor. Windshield cleaner motor.
Multiple section motor.
Motor mounting. E. L. Wylie. 2,241,026; May 6.
Motor vehicle. W. R. Griswold. 2,241,087–8; May 6.
Motor vehicle. W. M. Thompson. 2,240,586; May 6.
Mounting: *See*—
Figure mounting. Ophthalmic mounting.
Motor mounting.
Mounting for panels. L. G. Hunter. 2,240,930; May 6.
Mounting of airscrew blades. F. M. Thomas. 2,240,873; May 6.
Mower. R. D. Clemson. 2,240,924; May 6.
Muffler, Exhaust. C. R. Miller. 2,241,150; May 6.
Multiple section motor. T. G. Myers. 2,240,569; May 6.
Multiplex communication. F. K. Vreeland. 2,241,078; May 6.
Multiplier, Electron. R. Orthuber and E. Steudel. 2,240,713; May 6.
Muscle relaxing machine. B. H. Stauffer. 2,240,679; May 6.
Musical instrument, Electrical. L. Hammond. 2,241,363; May 6.
Musical instrument, Electronic. R. W. Bumstead. 2,241,027; May 6.
Musical string. L. E. Wackerle. 2,241,282; May 6.
Musical strings, Forming. L. E. Wackerle. 2,241,283; May 6.
Needle and method of frictioning. A. N. Cloutier. 2,240,761; May 6.
Nut bowl with removable nut shell container, Combination. K. C. and B. Gehring. 2,240,842; May 6.
Obstetrical appliance. B. M. Jones. 2,241,136; May 6.
Oil burner installation, Thermostatically controlled. L. O. Selby. 2,241,327; May 6.
Oil burner, Thermostatically controlled. L. O. Selby. 2,241,326; May 6.
Oil, lubricating. R. E. Conary, H. V. Ashburn, and P. S. Stutsman. 2,241,243; May 6.
One story press. G. G. Smith and H. Roberts, Jr. 2,241,006; May 6.
Opener, Envelope. J. W. Barbour. 2,240,975; May 6.
Ophthalmic mounting. J. E. Merrill. 2,240,511; May 6.
Ophthalmic mounting. H. H. Styll. 2,240,726; May 6.
Ores, Concentration of. L. E. Schiffman, C. S. Lawson, and J. T. Blakemore. 2,240,718; May 6.
Organic compounds, Sulphonation of. J. H. Werntz. 2,240,920; May 6.
Ornament. J. N. Cayo. 2,241,182; May 6.
Ornament, Curved surface light reflecting. M. C. Meyer. 2,241,365; May 6.
Ortho and para chlortoluenes, Separation of. P. D. Hammond and R. W. Harris. 2,240,962; May 6.
Oscillation joint. D. A. Mead. 2,240,709–10; May 6.
Oscillation source of the spark discharge gap type. R. S. Ohl. 2,240,941; May 6.
Package for chewing gum units. A. J. Simeone. 2,241,332; May 6.
Package holder, Bobbin or yarn. H. E. Herr. 2,241,260; May 6.
Packing or wrapping machine. J. W. Chalmers. 2,241,116; May 6.
Pad: *See*—
Garment pad. Heating pad.
Panel, Prefabricated wall. E. S. Harman. 2,240,774; May 6.
Panel unit. K. W. Benham. 2,240,487; May 6.
Paper clip. A. O. Elnes. 2,240,693; May 6.
Paper folding machine. G. A. Shaffer. 2,241,329; May 6.
Paper holding and feeding mechanism for accounting machines. W. A. Anderson. 2,241,173; May 6.
Paper roll holder. F. T. Smith. 2,240,629; May 6.
Paper tear-off device for typing apparatus. H. W. Paschke. 2,241,357; May 6.
Parking meter. C. O. Tucker. 2,240,726; May 6.
Partition for cardboard boxes, Assembled. N. G. Behles. 2,240,828; May 6.
Partition structure. B. E. Balduf. 2,241,338; May 6.
Pen, Fountain. J. N. Landau. 2,240,992; May 6.
Pentaerythritol, Preparation of. J. A. Wyler. 2,240,734; May 6.
Perch for bird cages. G. W. Stewart. 2,240,631; May 6.
Pharmaceutical composition of the sulphanilamide class. M. N. Dvornikoff. 2,240,496; May 6.
Phenolic compounds, Distillation of. M. J. P. Bogart and J. S. F. Carter. 2,241,110; May 6.
Phosphite compounds and method of manufacturing same, Organic. R. E. Conary and H. V. Ashburn. 2,241,244; May 6.
Photography, Color. J. Eggert and B. Wendt. 2,240,692; May 6.
Photographic accessory. J. C. Gale. 2,241,300; May 6.
Photographic coatings, Process and apparatus for the treatment of. L. P. F. van der Grinten. 2,241,104; May 6.
Photographic light-synchronizing mechanism. W. A. Steenbergen. 2,240,813; May 6.
Physiological research, Method and apparatus for. C. Fenning. 2,241,190; May 6.
Pickle, Treatment of curing. W. R. Hess. 2,241,030; May 6.

Picture projection. J. F. Goggin and R. E. Hall. 2,240,844; May 6.
Pictures, Projecting stereoscopic. H. Sauer. 2,241,041; May 6.
Pile fabric manufacture. T. H. Vetterlein, Jr. 2,240,530; May 6.
Pinking machine. W. T. Maxant. 2,240,996; May 6.
Pipe coupling clamp. C. Hampe and E. Kleisly. 2,241,089; May 6.
Piston. W. M. Venner and P. L. Bowser, Jr. 2,240,966–8; May 6.
Piston expander. A. J. Mummert. 2,240,907; May 6.
Piston, Flexible double skirt. E. J. Ducate. 2,240,640; May 6.
Piston ring. C. A. Marien. 2,240,624; May 6.
Plasters, Manufacture of. G. C. Tyce and V. Lefebure. 2,240,529; May 6.
Plastics, Decorating. C. A. Bauer. 2,240,900; May 6.
Plastic injection inlay method. J. P. Burke. 2,241,180; May 6.
Plastic materials, Coloring. E. M. Franklin. 2,241,251; May 6.
Plate for photographic lettering machines, Character. A. T. Koppe. 2,241,263; May 6.
Plate, Verge. F. C. Good. 2,241,062; May 6.
Platform, Press loading. C. R. Graham. 2,241,344; May 6.
Polyamides from cyclic amides, Process for preparing. W. E. Hanford. 2,241,322; May 6.
Polyamides, Preparation of. P. Schlack. 2,241,321; May 6.
Polyamides, Process for preparing. C. H. Greenewalt. 2,241,323; May 6.
Polymer composition. W. J. Sparks. 2,240,582; May 6.
Polymerizing apparatus. J. C. Harris, Jr., and G. Sutherland. 2,240,618; May 6.
Portable clothes rack. F. La Grotta. 2,240,561; May 6.
Position indicator wing flap. E. A. Wedberg. 2,241,335; May 6.
Power driving and control mechanism. G. B. Hirsch and W. S. Renier. 2,241,130; May 6.
Power knockout device for machine tools. G. N. Levesque and M. F. Sebring. 2,240,506; May 6.
Power tool. M. Briggs. 2,240,755; May 6.
Power transmission, Automatic. D. Heyer. 2,240,650; May 6.
Power transmission system. N. B. Newton. 2,240,712; May 6.
Power unit for amusement devices and the like. C. Harold. 2,240,906; May 6.
Precipitates of water insoluble metal salts, Avoiding and rendering harmless the. F. Münz. 2,240,957; May 6.
Preselector-mechanism. H. F. Elliott. 2,240,499; May 6.
Press: *See*—
Baling press. Hydraulic press.
Cigar filler press. One story press.
Forging press.
Press compression control, Bundling. H. Abele. 2,240,823; May 6.
Pressing machine, Clothes. E. Beech. 2,240,541; May 6.
Pressure relief apparatus, Back. O. Roy. 2,240,801; May 6.
Projecting apparatus, mechanical. N. J. Quinn. 2,241,100; May 6.
Projection lamp. K. Brenkert. 2,241,179; May 6.
Projector for stereoscopic pictures. F. Köber. 2,240,703; May 6.
Projector, light. F. P. Foulds. 2,241,059; May 6.
Propeller, Articulated. R. Chilton. 2,241,055; May 6.
Propeller, Variable pitch. R. Turna. 2,241,008; May 6.
Propeller wheel for steamboats. H. J. Redlich. 2,241,159; May 6.
Propelling device. A. D. Hill, Jr. 2,241,305; May 6.
Protector: *See*—
Tree protector.
Puller: *See*—
Tie puller.
Pump control. E. Wiedmann. 2,240,898; May 6.
Pump with leak-preventing construction, Hydraulic. O. Jacobsen. 2,240,782; May 6.
Pumping unit. J. R. Henry and R. P. Downing. 2,241,090; May 6.
Quill bearing for railway motors. E. O. Mueller. 2,240,665; May 6.
Rack: *See*—
Egg rack. Portable clothes rack.
Radio and phonograph control system, Combined. R. H. Manson. 2,241,148; May 6.
Rail fastener. F. L. Swartz. 2,241,280; May 6.
Rake and vehicle therefor, Sweep. J. H. Cope and G. C. J. Gray. 2,240,552; May 6.
Rate of climb indicator. A. Bestelmeyer. 2,240,750; May 6.
Reaction chamber, Chemical. A. A. Alcher. 2,240,481; May 6.
Reading machine. J. W. Bryce. 2,240,544–6; May 6.
Receiver, Ash. J. W. Hutchby and K. G. Granitsas. 2,241,034; May 6.
Receptacle. J. Visser. 2,241,045; May 6.
Record selecting mechanism, Automatic phonograph. N. C. Cummings. 2,240,609; May 6.
Recording apparatus. J. T. McNaney. 2,240,938; May 6.
Recording or indicating instrument. C. D. Young. 2,241,233; May 6.
Recording system. J. T. McNaney. 2,240,937; May 6.
Rectifier, Meat. J. L. Pringle. 2,241,040; May 6.
Refractories, Making high temperature. R. E. Lowe and A. G. Griswold. 2,241,354; May 6.
Refrigerating apparatus. L. F. Clerc. 2,240,760; May 6.
Refrigerating apparatus. R. E. Gould. 2,241,086; May 6.
Refrigerating apparatus. W. H. Teeter. 2,241,101; May 6.
Refrigerating machine. J. B. Brightman. 2,241,053; May 6.
Refrigerating system. L. O. Selby. 2,241,328; May 6.
Refrigeration. J. H. Beach. 2,240,540; May 6.
Refrigeration. C. C. Coons. 2,241,117; May 6.
Refrigeration. A. G. Gross. 2,241,361; May 6.
Refrigeration. D. G. Smellie. 2,241,166; May 6.
Refrigerator. L. J. Brain. 2,240,882; May 6.
Refrigerator car construction. A. F. O'Connor and G. A. Hull. 2,241,366; May 6.
Refrigerator device, Portable. C. T. Sorensen. 2,240,961; May 6.
Register: *See*—
Cash register.
Regulator device for power machines. D. Thoma. 2,241,077; May 6.
Regulator for paper feed rolls, Tension. C. J. Kern. 2,241,307; May 6.
Relay. H. N. Wagar. 2,240,589; May 6.
Relay, Protective. E. L. Harder. 2,241,127; May 6.
Relay, Protective. W. K. Sonnemann and W. A. Lewis, Jr. 2,240,677; May 6.
Remote control system. M. Rigert. 2,240,800; May 6.
Resilient support. M. F. A. Julien. 2,241,138; May 6.
Resin, Plasticized coumarone-indene. W. H. Carmody. 2,241,340; May 6.
Resin, Polyvinyl acetal. G. B. Bachman. 2,241,234; May 6.
Resistor of thermoflex material, Electrical. C. F. Alban and S. R. Hood. 2,240,824; May 6.
Respirator. J. H. Emerson. 2,240,838; May 6.
Respirator, Artificial. K. W. Binding. 2,240,830; May 6.
Retractible undercarriage for aircraft. F. Meyer and F. Maire. 2,240,892; May 6.
Retracting mechanism for switchboards and the like. H. D. Godfrey. 2,241,126; May 6.
Revolving door. E. Peremi and C. Kish. 2,240,942; May 6.
Ring: *See*—
Finger ring. Piston ring.
Riveter, Single action pneumatic. O. E. Clark. 2,241,184; May 6.
Road building apparatus. S. E. Finley. 2,241,299; May 6.
Road rolling machine. A. S. Miller and J. R. Ritchie. 2,241,098; May 6.
Rod: *See*—
Welding rod.
Roll for papermaking machines, Wire faced. H. G. Specht. 2,240,869; May 6.
Roofing or surfacing material. S. L. Eason. 2,241,058; May 6.
Rosin, Esterifying. C. D. Ender. 2,241,341; May 6.
Rotary fluid-pressure machine. F. M. Thomas and F. A. N. Hitch. 2,240,874; May 6.
Rubber to brass, Adhering. J. W. Schade. 2,240,862; May 6.
Saddle construction. R. W. Faulhaber. 2,241,250; May 6.
Sadiron. O. Holm-Hansen. 2,241,067; May 6.
Safety device. G. A. Severson. 2,241,274; May 6.
Safety device for presses. T. F. Stacy. 2,240,630; May 6.
Safety pilot burner. J. K. Clark. 2,241,295; May 6.
Safety switch. H. T. Sparrow. 2,240,812; May 6.
Sail sheets, Arrangement in. H. T. H. Andresen. 2,240,878; May 6.
Saw feeding apparatus. A. A. Kvalheim. 2,241,142; May 6.
Scaffold bracket. S. Weinstein. 2,240,682; May 6.
Scale, Weighing. H. W. Hem. 2,241,347; May 6.
Scale, Weighing. H. O. Hem. 2,241,348; May 6.
Scale, Weighing. H. W. Hem. 2,241,349; May 6.
Scissors and the like. G. Vido. 2,240,946; May 6.
Screen: *See*—
Adjustable automobile screen. Luminescent screen.
Fish screen. Separable filter screen.
Screen repair device. C. Gronberg. 2,241,257; May 6.
Screening device, Window. W. and C. Dollstedt. 2,240,834; May 6.
Screw driver, Illuminated. J. V. White and E. J. Ritter. 2,240,596; May 6.
Seal, Coupling. C. M. Rose. 2,240,860; May 6.
Sealing fitting for conduit lines. C. H. Bissell. 2,240,831; May 6.
Seat cover, Sanitary commode. W. O. Wallace. 2,241,171; May 6.
Seesaw and swing, Combined. J. J. Carter. 2,240,981; May 6.
Selecting system. W. T. Powell. 2,241,156; May 6.
Self-adjusting brake. O. P. Liebreich. 2,240,792; May 6.
Separable filter screen. H. E. Marvel. 2,240,793; May 6.
Sewing machine. F. A. Kucera. 2,241,264; May 6.
Sewing machine. A. L. Wilmoth. 2,241,230; May 6.
Shade, Adjustable. E. A. Bischof. 2,240,883; May 6.
Shade, Fringed window. S. J. Johnson. 2,241,352; May 6.
Shaver. O. C. Kavle. 2,240,890; May 6.
Shaver, dry. J. H. Rand, Jr. 2,240,958; May 6.

Shaving implement. N. Testi. 2,240,633; May 6.
Sheet distributing mechanism. N. E. Truitt and L. F. Schroeder. 2,241,168; May 6.
Sheet feeding apparatus. A. W. Mills, F. J. Furman, and S. L. Walsoe. 2,240,568; May 6.
Sheet-feeding mechanism. B. Wale. 2,240,818; May 6.
Sheet packing and gasket. R. L. Kreuz. 2,240,789; May 6.
Shield and mounting means therefor, Fender. G. W. Schatzman. 2,241,043; May 6.
Shield, fender. H. S. Jandus and A. P. Fergueson. 2,241,035; May 6.
Shielding of engine ignition, Radio. R. H. Stone. 2,240,526; May 6.
Shock absorber, Drill string. A. R. Reed. 2,240,519; May 6.
Shock absorber, Hydraulic. N. S. Focht. 2,240,644; May 6.
Shoe. C. Tweedie. 2,240,816; May 6.
Shoe and shoe parts. L. J. Bazzoni. 2,240,603; May 6.
Shoe with interlaced upper elements. F. W. Ochs. 2,240,626; May 6.
Sign: *See*—
  Illuminated sign.
Signal: *See*—
  Hand brake signal.
Signal. O. H. Hershman. 2,240,777; May 6.
Signaling device, Float switch control. W. M. Bennett. 2,240,880; May 6.
Signaling system. J. E. Keyston and L. F. Broadway. 2,241,204; May 6.
Signaling system. M. L. Levy. 2,241,145; May 6.
Signaling system, remote control. W. T. Powell. 2,241,157; May 6.
Signaling system, Traffic. P. P. Horni. 2,240,848; May 6.
Sizing composition. C. L. Bachelder. 2,241,174; May 6.
Skate and ankle support, Combined roller. S. D. Warner. 2,240,532; May 6.
Skin clamp. D. H. Finkle. 2,240,643; May 6.
Slider for separable fasteners. M. H. Lange. 2,240,704; May 6.
Smokestack, Locomotive. E. R. Lewis. 2,241,311; May 6.
Snowplow with power discharge. M. Garland and E. R. Greer. 2,241,252; May 6.
Soap solutions in oil, Stabilization of. T. E. Sharp. 2,240,806; May 6.
Socket and plug switch. P. Fuchs. 2,240,614; May 6.
Socket, Lamp. G. B. Benander. 2,241,049; May 6.
Socket, Lamp. F. J. Hawkins. 2,241,065; May 6.
Socket, Tube. W. W. Mathern. 2,240,658; May 6.
Soil conditioner and employing the same. R. W. Rice. 2,240,859; May 6.
Solutions of polyvinyl alkyl ketones and a process of polymerizing vinyl alkyl ketones. A. Voss and K. Billig. 2,240,730; May 6.
Solvent and process for dewaxing mineral oils. S. Tijmstra and D. S. McKittrick. 2,240,964; May 6.
Sound reproducing apparatus. J. Q. A. Holloway. 2,241,131; May 6.
Sound translating device. H. C. Pye. 2,240,576; May 6.
Sound translating device. A. E. Woodruff. 2,241,106–7; May 6.
Sound translating device. A. E. Woodruff and A. F. Horlacher. 2,241,105; May 6.
Speed change for recording apparatus. P. S. Gay. 2,241,013; May 6.
Speed limiting means. A. L. Weintraub and J. Bordash. 2,240,919; May 6.
Speed modulating device. L. Jones. 2,241,137; May 6.
Spider construction for dynamoelectric machines. G. A. Moore and E. O. Mueller. 2,240,663; May 6.
Spindle. J. A. Kennedy. 2,241,140; May 6.
Spindle, Spinning and twister. L. M. Cotchett. 2,241,118; May 6.
Spring shackle assembly. J. H. Roberts. 2,240,804; May 6.
Sprinkler, Lawn. M. H. Derdeyn. 2,240,611; May 6.
Sprinkler, Lawn. L. Jurgilanis. 2,241,092; May 6.
Stand: *See*—
  Display stand.
Staple driving machine. F. Polzer and R. E. Peterson. 2,240,911; May 6.
Steaming iron. H. V. Ekstedt. 2,240,612; May 6.
Steel, Alloy. R. P. De Vries. 2,241,187; May 6.
Steel, Low temperature impact resistant. N. A. Ziegler and H. W. Northrup. 2,241,369; May 6.
Sterilizing unit for water filters. H. B. Hartman. 2,240,648; May 6.
Stoker. H. E. and C. J. Winkler. 2,240,972; May 6.
Stoker, Locomotive. W. J. Hathaway and E. F. Frondorf. 2,241,129; May 6.
Stoker, Locomotive. S. G. Jones. 2,241,372; May 6.
Stone and making it, Lightweight, synthetic. J. W. Swezey and P. W. Jones. 2,240,963; May 6.
Storage and dispensing system for liquefied hydrocarbons. W. B. Spivey. 2,241,278; May 6.
Street indicator and advertising device. T. G. De Weese. 2,240,837; May 6.
Structure, Making porous metal. J. T. Marvin. 2,241,095; May 6.
Strut, Shock. C. V. Johnson. 2,241,068; May 6.
Subsoiler, Rotary. L. E. Love. 2,240,994; May 6.
Suds box. W. J. Simonds. 2,240,809; May 6.
Sulphur trioxide. M. Lepin. 2,240,935; May 6.
Support: *See*—
  Mine conductor support. Skate and ankle support.
  Resilient support. Thermometer support.
Support for strap conveyers, Roll. A. Plausics. 2,241,219; May 6.
Supporter, Hose. T. E. Near and E. Sherlock. 2,241,267; May 6.
Supporting device for eyeglasses, spectacles, and the like. G. A. Kimber. 2,241,205; May 6.
Suppository. R. S. Shelton and L. Magid. 2,241,331; May 6.
Suspension for lubrication and other purposes. F. Küster. 2,241,143; May 6.
Suture attachment for full-fashioned knitting machines, Split. F. C. Good. 2,241,061; May 6.
Sweeper, Carpet. S. I. Berger. 2,240,683–4; May 6.
Swimming appliance. A. A. Burke. 2,241,292; May 6.
Switch: *See*—
  Automatic direction switch Safety switch.
  Electric switch. Socket and plug switch.
  Magnetic switch.
Switch control and indication system. H. S. Young. 2,241,048; May 6.
Switch for gaseous discharge devices, Starting. C. Chireistein. 2,241,240; May 6.
Switch for vehicles, Automatic current cutoff. S. E. Gray. 2,240,615; May 6.
Synchronizing and control system, Television. M. Cawein. 2,240,490; May 6.
System and method for automatic feed control. J. A. Adams. 2,240,822; May 6.
System for freeing motor vehicles. K. A. Oesterheld. 2,240,570; May 6.
Table. J. Cooper. 2,240,551; May 6.
Tank refill and air gap. W. C. Groeniger. 2,240,904; May 6.
Tanning agent from waste sulphite liquor, Obtaining a. M. Hönig. 2,241,306; May 6.
Tap construction. G. H. Fischer. 2,240,840; May 6.
Target, Bait. M. D. Jaimet and F. C. Kercher. 2,241,135; May 6.
Telegraph transmitter. L. M. Potts. 2,241,271; May 6.
Telemetric system. W. A. Derr. 2,240,639; May 6.
Telephone system. W. H. T. Holden and F. A. Hubbard. 2,241,031; May 6.
Telephone system. G. V. King, F. A. Korn, and R. K. McAlpine. 2,241,016; May 6.
Telephone system, Automatic. W. T. Powell. 2,241,158; May 6.
Telephone system, Train. A. G. Shaver. 2,240,676; May 6.
Teletypewriter switching system. L. A. Gardner, F. J. Singer, and E. F. Watson. 2,241,258; May 6.
Television receiving system. J. C. Wilson. 2,240,534; May 6.
Television synchronizing and control system. H. M. Lewis. 2,240,507; May 6.
Television synchronizing and control system. J. C. Wilson. 2,240,593; May 6.
Telltale for automobile brakes. H. Weick. 2,240,877; May 6.
Temperature control for water lines, Automatic. M. T. Gaskill. 2,241,302; May 6.
Testing apparatus. J. B. Hays. 2,240,929; May 6.
Textile and like material, Gathering or pleating. G. C. E. Keet. 2,240,990; May 6.
Thermionic tube. W. W. Eitel and J. A. McCullough. 2,240,557; May 6.
Thermoinhaler. C. L. Magee. 2,241,356; May 6.
Thermometer support. J. T. Carlson. 2,240,980; May 6.
Thimble. W. C. Russell. 2,241,221; May 6.
Tie puller. R. C. Taylor. 2,240,814; May 6.
Time recorder, Card. T. E. Torkelson. 2,240,587; May 6.
Time recording system. C. R. Doty. 2,240,553; May 6.
Tire. P. M. Bourdon. 2,240,542; May 6.
Tire. E. F. Wait and J. E. Hale. 2,241,227; May 6.
Tire construction. W. E. Phillips. 2,240,855–56; May 6.
Tire, Vehicle. K. D. Smith. 2,240,866; May 6.
Toaster. H. W. Uhlrig. 2,241,103; May 6.
Tool: *See*—
  Cutting tool. Power tool.
  Glass replacement tool. Utility tool.
  Hydraulically operated machine tool.
Tool for segmenting citrus fruits. R. Polk, Sr., and R. Polk, Jr. 2,240,908; May 6.
Tool for segmenting citrus fruits. R. Polk, Sr., and R. Polk, Jr. 2,240,910; May 6.
Tool holder. G. Wahnish. 2,241,024; May 6.
Tooth fender for harrows and cultivators. G. Smith. 2,241,276; May 6.
Torch, Electric heating. F. Roskos. 2,240,913; May 6.
Toxin and toxoid, Pertussis. E. F. Voigt and S. W. Phillips. 2,240,969; May 6.
Toy. P. C. Auren and P. Fierer. 2,240,746; May 6.
Traffic control system and apparatus. H. A. Wilcox. 2,241,047; May 6.
Trailer. R. G. Le Tourneau. 2,240,564; May 6.
Transformer. G. B. Horn. 2,241,261; May 6.
Transformer, Rotary welding. T. M. Hunter. 2,241,015; May 6.
Transmission. G. W. Montgomery. 2,240,662; May 6.
Transmission. J. S. Morgan, Jr. 2,240,740; May 6.
Transmission, Automatic. M. Stucatur. 2,241,334; May 6.

Transmission operating mechanism. H. W. Price. 2,241,071; May 6.
Trap: *See*—
  Animal trap. Drain trap.
  Backfire oil trap.
Trap. G. B. Warren. 2,240,594; May 6.
Tray and picker mechanism, Removable card. G. Nelson. 2,241,268; May 6.
Tray for refrigerators, Ice. J. H. Miner. 2,241,313; May 6.
Tree protector. E. B. Elder. 2,240,766; May 6.
Trellis for supporting growing plants. A. W. Peterson. 2,241,001; May 6.
Transmission, Power. R. C. Porter. 2,240,912; May 6.
Trolley system for streetcars and other electric cars. F. Mento. 2,241,149; May 6.
Tube: *See*—
  Finned condenser tube. Thermionic tube.
  Fluid-conducting tube.
Tube cleaner. W. T. Hamilton. 2,240,845; May 6.
Tube-end expander. J. A. Hood. 2,241,091; May 6.
Tubing, making upset seamless. S. E. Diescher. 2,241,083; May 6.
Tubular woven fabric, Seamless. F. Blatter. 2,241,289; May 6.
Tuning device. G. Walder. 2,241,284; May 6.
Tuning device, Shuttle. B. W. Brown. 2,240,636; May 6.
Turbine blade attachment and method and apparatus therefor. R. C. Allen. 2,240,742; May 6.
Turbulator. H. R. Micka. 2,240,893; May 6.
Twine dispenser. F. Selinger. 2,240,675; May 6.
Typewriter, Card controlled. C. D. Lake and F. E. Hamilton. 2,240,562; May 6.
Typewriting and like machines. G. E. Bauder. 2,240,477; May 6.
Typewriting machine. B. R. Rumbutis. 2,240,578; May 6.
Ultra-short-wave apparatus. W. Dallenbach. 2,241,119; May 6.
Ultraviolet light filter. B. H. Carroll and C. J. Staud. 2,241,239; May 6.
Utensil and method of making same, Culinary. C. A. Williams. 2,241,229; May 6.
Utility tool. C. B. Klopfenstein. 2,240,705; May 6.
Vacuum cleaner. C. L. Brown, Jr. 2,240,543; May 6.
Vacuum cleaner. F. Riebel, Jr. 2;240,799; May 6.
Valve: *See*—
  Master cylinder valve.
Valve. C. W. Bryant and D. Rosenston. 2,240,977; May 6.
Valve. J. A. Byers. 2,240,979; May 6.
Valve. C. E. Eichemendy. 2,241,012; May 6.
Valve. A. T. King and K. A. King. 2,240,560; May 6.
Valve. L. O. Selby. 2,241,324; May 6.
Valve and stop for wobbler motors. K. K. Probst. 2,240,573; May 6.
Valve body and packing means therefor, Flat groove. W. H. Hunter. 2,240,780; May 6.
Valve construction, Flush tank. W. R. Powers. 2,241,220; May 6.
Valve for discharging containers. J. Porteous. 2,241,316; May 6.
Valve for flat tires, Warning. M. Glowka. 2,241,198; May 6.
Valve for vacuum pans, Discharge. J. R. Carreras and L. A. Lugo. 2,241,294; May 6.
Valve mechanism, Compressor unloading. W. R. Freeman. 2,241,192; May 6.
Valve mechanism for fluid brakes, Pressure reducing. W. R. Freeman. 2,241,191; May 6.
Valve or cock. T. W. Miller. 2,240,711; May 6.
Vault, Burial. H. F. Kuettner. 2,241,208; May 6.
Vehicle: *See*—
  Motor vehicle.
Vehicle body. F. E. Maier. 2,241,147; May 6.
Vehicle having air cooled engines at the rear thereof. M. Klavik. 2,241,037; May 6.
Vent means for waterless gasholders and the like. W. E. Gruening. 2,240,905; May 6.
Vent structure for electrolytic condensers and the like. J. H. Cotton. 2,240,836; May 6.
Ventilating system, Electric power plant. G. A. Moore. 2,240,664; May 6.
View finder for aerial cameras. M. M. Hurd. 2,240,931; May 6.
Vine lifter. C. A. Warnke. 2,240,970; May 6.
Viner feeder. F. Hamachek, Jr. 2,240,697; May 6.
Vise. C. H. Ekstrom. 2,241,297; May 6.
Volume control. J. Marsten. 2,240,565; May 6.
Washer: *See*—
  Cream bottle washer.
Washer for milk test bottles. G. E. Lattin. 2,241,144; May 6.
Waste puller and method. R. W. Miller. 2,241,151; May 6.
Water power motor. J. G. Botts. 2,241,111; May 6.
Watt-hour meter. W. G. Mylius. 2,240,666; May 6.
Wave reception, Selective. L. Gabrilovitch. 2,240,500; May 6.
Wear take-up for friction clutches, Automatic. C. B. Spase and R. S. Root. 2,241,223; May 6.
Wedge. J. B. Nelson. 2,241,315; May 6.
Welding. G. H. Phelps. 2,241,216; May 6.
Welding apparatus. E. Riemenschneider. 2,240,627; May 6.
Welding rod. R. Scherer, G. Riedrich, and H. Hougardy. 2,240,672; May 6.
Well head. R. Smith. 2,241,333; May 6.
Well pump operating equipment. T. W. Murray. 2,241,153; May 6.
Well surveying method and apparatus. J. Neufeld. 2,241,154; May 6.
Wells, Treating oil. A. D. Garrison. 2,241,253–4; May 6.
Wheel and brake construction, Dual. V. G. and E. V. Garnett. 2,241,193; May 6.
Wheelbarrow. A. M. Taylor, 2,240,585; May 6.
Wheel hardening apparatus. F. S. Denneen. 2,240,493; May 6.
Wheel mounting with suspension means accommodated within the wheel, Independent. D. Peeters. 2,241,217; May 6.
Wide frame mine car. H. W. Sanford. 2,240,670; May 6.
Wide range governor for Diesel engines. N. M. McCullough. 2,241,096; May 6.
Windshield cleaner motor. E. W. Sibley. 2,241,004; May 6.
Winding machine. M. Knab. 2,241,141; May 6.
Window operating device, Automobile. R. L. Gill. 2,240,768; May 6.
Window sash. A. E. Waterman. 2,240,591; May 6.
Wire puller device, Lead-in. S. A. Platt. 2,240,943; May 6.
Wrench. O. A. Eide. 2,240,556; May 6.
X-ray apparatus. K. Bischoff and K. Silbermann. 2,240,478; May 6.
Yarn carrier stop for flat knitting machines. J. J. Doyle. 2,240,985; May 6.
Zero eliminating means. C. D. Lake and F. E. Hamilton. 2,240,563; May 6.

CLASSIFICATION OF PATENTS

ISSUED MAY 6, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 3: 2,240,911
2,240,516
2— 115: 2,240,902
237: 2,241,298
268: 2,240,613
4— 57: 2,241,220
166: 2,241,194
243: 2,241,171
5— 11: 2,240,978
269: 2,240,517
351: 2,241,039
10— 141: 2,240,840
11— 1: 2,240,903
12— 33: 2,240,616
133: 2,240,867
15— 16: 2,240,799
41: 2,240,683
2,240,684
104.14: 2,240,845
147: 2,240,628
184: 2,240,876
193: 2,240,547
16— 142: 2,240,790
149: 2,240,729
18— 8: 2,241,304
12: 2,241,203
24: 2,241,176
2,241,177
42: 2,240,581
47.5: 2,240,963
48: 2,241,365
57: 2,241,225
61: 2,241,180
19— 1: 2,241,206
82: 2,241,151
20— 18: 2,240,942
74: 2,240,491
2,240,502
91: 2,241,080
22— 202: 2,240,829
23— 219: 2,240,668
250: 2,240,935
253: 2,241,121
284: 2,240,921
285: 2,240,618
288: 2,240,481
24— 19: 2,241,042
71: 2,240,479
205.5: 2,240,704
233: 2,241,074
261: 2,240,693
263: 2,241,029
25— 121: 2,240,776
128: 2,241,125
154: 2,240,778
26— 2: 2,241,222
28— 1: 2,240,554
2,240,555
2,241,246
29— 23.5: 2,240,742
2,240,743
73: 2,240,755
78: 2,240,559
84: 2,241,028
86.3: 2,240,897
89: 2,241,021
96: 2,241,024
148: Re.21,792
Re.21,793
2,241,270
157.6: 2,240,525
170: 2,240,982
189: 2,241,094
2,241,095
30— 43: 2,240,633
2,240,890
2,240,958
254: 2,240,946
33— 30: 2,240,719
33— 138: 2,240,753
174: 2,240,701
178: 2,241,287
204: 2,240,680
211: 2,240,807
34— 100: 2,240,857
104: 2,240,839
36— 2.5: 2,240,603
3: 2,240,626
35: 2,240,835
51: 2,240,816
37— 43: 2,241,252
38— 36: 2,240,541
77: 2,240,612
141: 2,241,084
2,241,309
39— 6: 2,240,948
40— 103: 2,240,837
130: 2,240,777
2,240,917
41— 10: 2,241,182
22: 2,240,900
41: 2,240,945
41.5: 2,240,486
42— 1: 2,240,681
42: 2,241,009
43— 5: 2,241,308
23: 2,241,183
27: 2,241,301
2,241,367
38: 2,241,320
40: 2,241,152
55: 2,241,314
83: 2,240,594
88: 2,240,754
107: Re.21,791
108: 2,240,766
44— 9: 2,240,558
45— 6: 2,240,767
46— 35: 2,240,758
119: 2,240,906
47— 47: 2,241,001
58: 2,240,859
48— 174: 2,240,905
180: 2,240,893
49— 5: 2,241,162
56: 2,241,161
51— 9: 2,241,100
55: 2,240,527
120: 2,241,351
237: 2,241,342
300: Re.21,789
53— 3: 2,240,721
5: 2,241,040
2,241,317
55— 88: 2,240,889
56— 27: 2,240,552
253: 2,240,924
312: 2,240,970
57— 130: 2,241,118
2,241,140
162: 2,241,283
58— 28: 2,240,927
88: 2,240,993
60— 52: 2,240,901
54.6: 2,241,112
2,241,188
61— 1: 2,240,567
62— 1: 2,241,064
2,241,278
2: 2,240,882
5: 2,240,540
2,241,117
2,241,166
2,241,328
6: 2,241,033
8: 2,241,086
19: 2,241,366
89: 2,241,053
62— 102: 2,240,528
2,241,023
108: 2,240,769
108.5: 2,241,313
114: 2,240,641
119.5: 2,241,361
120: 2,240,961
122: 2,240,925
134: 2,240,760
140: 2,240,784
141: 2,241,186
63— 15: 2,241,165
65— 15: 2,240,602
2,240,842
45: 2,241,044
66— 14: 2,241,134
24: 2,240,761
41: 2,241,291
110: 2,241,062
128: 2,241,061
130: 2,240,985
67— 3: 2,240,508
29: 2,240,813
68— 208: 2,240,809
70— 459: 2,241,358
72— 7: 2,241,208
23: 2,240,774
41: 2,241,079
42: 2,241,169
46: 2,241,338
73— 21: 2,240,888
51: 2,240,505
2,240,536
111: 2,240,492
151: 2,241,233
179: 2,240,750
200: 2,241,286
253: 2,241,132
293: 2,240,988
376: 2,240,980
74— 30: 2,241,000
44: 2,241,153
50: 2,241,090
60: 2,240,912
189.5: 2,240,650
190: 2,241,013
217: 2,240,737
238: 2,240,735
2,240,736
260: 2,241,334
290: 2,241,087
2,241,088
298: 2,240,740
334: 2,240,621
335: 2,241,071
338: 2,241,002
359: 2,240,995
413: 2,240,998
424.8: 2,240,977
520: 2,240,783
526: 2,240,919
537: 2,240,802
615: 2,240,915
75— 2: 2,240,976
22: 2,240,971
67: 2,240,584
2,240,817
126: 2,241,187
141: 2,240,489
2,240,940
77— 1: 2,241,014
4: Re.21,795
33: 2,240,795
78— 13: 2,240,661
101: 2,240,688
80— 35: 2,240,637
62: 2,241,083
81— 33: 2,241,297
111: 2,240,556
82— 40: 2,240,949
83— 6: 2,240,841
13: 2,240,649
27: 2,240,503
44: 2,240,822
52: 2,240,535
2,240,868
53: 2,240,673
84— 1.17: 2,241,027
2,241,363
1.25: 2,240,788
281: 2,240,696
297: 2,241,282
312: 2,241,284
85— 2.4: 2,240,716
2,241,343
5: 2,240,643
88— 14: 2,240,722
14.1: 2,240,833
16.6: 2,240,703
2,241,041
17: 2,241,231
2,241,232
2,241,265
24: 2,241,124
2,241,300
47: 2,240,511
2,240,725
57: 2,240,827
89— 1.5: 2,241,290
90— 11: 2,240,765
13: 2,241,120
13.1: 2,240,825
18: 2,240,973
21: 2,240,685
91— 12.2: 2,241,228
14: 2,241,007
92— 43: 2,240,869
93— 2: 2,241,116
36.2: 2,240,501
54.2: 2,241,160
94— 18: 2,240,786
2,240,787
44: 2,241,299
50: 2,241,098
95— 2: 2,240,692
2,241,239
10: 2,241,017
2,241,020
12.5: 2,240,931
18: 2,240,728
31: 2,241,248
42: 2,241,185
85: 2,241,263
88: 2,241,104
97— 19: 2,241,133
50: 2,240,879
68: 2,240,705
188: 2,241,276
209: 2,240,994
98— 40: 2,240,617
2,240,991
99— 107: 2,240,518
109: 2,240,522
150: 2,241,030
166: 2,240,759
100— 19: 2,241,063
28: 2,241,006
31: 2,240,823
71: 2,240,926
101— 34: 2,240,773
350: 2,240,762
401.1: 2,240,732
408: 2,241,172
102— 24: 2,240,574
103— 25: 2,240,607
35: 2,240,775
38: 2,240,898
103: 2,240,782
103— 225: 2,240,780
105— 290: 2,240,687
364: 2,240,670
106— 7: 2,240,939
9: 2,241,354
35: 2,240,744
36.1: 2,241,249
40: 2,241,251
107— 8: 2,240,660
14: 2,241,236
108— 7: 2,241,058
110— 44: 2,241,129
45: 2,240,972
105.5: 2,240,698
2,241,372
165: 2,240,702
184: 2,241,311
112— 79: 2,241,113
136: 2,241,264
175: 2,240,990
212: 2,241,230
113— 38: 2,241,344
59: 2,240,739
114— 102: 2,240,878
115: 2,241,221
115— 28: 2,241,305
116— 34: 2,241,198
114: 2,240,669
119— 26: 2,240,631
2,241,259
32: 2,240,571
120— 42: 2,240,604
49: 2,240,992
121— 21: 2,241,184
69: 2,240,573
70: 2,240,874
119: 2,241,046
123: 2,241,004
135: 2,240,801
168: 2,241,111
122— 376: 2,240,590
389: 2,241,346
448: 2,240,952
123— 148: 2,240,526
2,240,632
171: 2,240,875
179: 2,240,674
193: 2,241,339
126— 67: 2,241,025
109: 2,241,303
116: 2,240,531
128— 2.1: 2,241,190
30: 2,240,830
2,240,838
31: 2,241,136
70: 2,240,679
132: 2,241,292
143: 2,240,751
145: 2,240,819
192: 2,241,356
369: 2,240,504
131— 87: 2,241,069
187: 2,240,538
240: 2,241,034
132— 41: 2,240,959
134— 21: 2,241,174
136— 178: 2,240,733
137— 21: 2,240,904
2,241,316
68: 2,241,197
104: 2,240,560
139: 2,240,763
153: 2,240,846
157: 2,241,056
158: 2,241,077
138— 57: 2,241,245
139— 21: 2,240,530
33: 2,241,199
2,241,318
139— 114: 2,240,646
123: 2,241,202
185: 2,240,636
387: 2,241,289
140— 3: 2,241,257
103: 2,240,943
141— 7: 2,240,572
2,240,717
2,241,144
142— 13: 2,241,285
143— 47: 2,241,142
159: 2,240,983
146— 2: 2,240,815
3: 2,240,908
2,240,909
2,240,910
2,241,081
148— 10: 2,240,494
31: 2,241,369
152— 209: 2,240,542
2,240,866
2,241,227
330: 2,240,855
2,240,856
153— 58: 2,240,548
77: 2,241,146
80.5: 2,241,091
154— 2: 2,240,805
2,241,312
8: 2,241,355
23: 2,241,051
40: 2,240,862
42: 2,241,224
155— 5.23: 2,241,250
97: 2,240,620
116: 2,240,850
123: 2,240,748
164: 2,241,115
179: 2,240,872
156— 10: 2,241,352
14: 2,240,588
16: 2,240,883
17: 2,241,054
39: 2,240,834
158— 28: 2,241,325
2,241,327
91: 2,240,861
115: 2,241,295
2,241,296
117.1: 2,240,950
159— 4: 2,240,854
43: 2,241,294
161— 1: 2,240,498
15: 2,240,726
16: 2,241,103
164— 38: 2,240,796
47: 2,240,975
61: 2,241,123
64: 2,240,996
112: 2,240,566
113: 2,241,269
166— 15: 2,241,288
21: 2,240,550
2,240,622
2,241,253
2,241,254
167— 28: 2,240,806
64: 2,241,331
78: 2,240,969
170— 153: 2,241,159
159: 2,240,597
162: 2,240,873
163: 2,241,008
2,241,055
171— 95: 2,240,955
2,241,256
97: 2,240,772
2,240,843
252: 2,240,652

171— 252: 2,240,663
264: 2,240,666
172— 36: 2,240,569
2,241,073
126: 2,240,781
2,241,364
173— 328: 2,240,658
2,241,065
343: 2,240,614
358: 2,241,049
174— 13: 2,240,745
131: 2,240,579
175— 41.5: 2,241,057
181: 2,240,749
182: 2,240,520
183: 2,240,929
2,241,181
2,241,371
294: 2,240,677
2,240,699
2,240,803
2,241,127
336: 2,240,576
2,240,589
2,241,106
364: 2,241,050
375: 2,240,812
176— 40: 2,240,707
124: 2,241,261
2,241,360
126: 2,241,345
2,241,362
177— 311: 2,240,595
2,240,638
2,240,877
327: 2,240,984
336: Re.21,790
337: 2,240,848
2,241,047
351: 2,240,639
353: 2,241,156
380: 2,240,937
178— 2: 2,241,258
7.2: 2,241,204
7.5: 2,240,490
2,240,507
2,240,533
2,240,534
2,240,593
2,240,600
2,240,601
2,240,605
17: 2,241,271
44: 2,240,849
2,241,119
179— 15: 2,241,078
18: 2,241,016
2,241,031
2,241,158
81: 2,240,509
100.11: 2,241,148
100.3: 2,240,695
2,241,131
100.41: 2,240,918
107: 2,241,093
119: 2,241,105
2,241,107
171: 2,240,635
2,240,715
171.5: 2,240,580
180— 14.5: 2,240,657
54: 2,241,036

180— 54: 2,241,037
2,241,038
70: 2,240,887
181— 48: 2,241,150
57: 2,241,010
182— 24: 2,241,005
183— 93: 2,240,851
184— 6: 2,241,211
187— 11: 2,241,275
31: 2,240,820
188— 32: 2,240,512
79.5: 2,241,163
86: 2,241,189
88: 2,240,644
152: 2,240,792
2,241,191
2,241,214
261: 2,241,218
189— 1: 2,240,592
2: 2,241,281
15: 2,240,852
34: 2,240,482
2,240,483
2,240,484
2,240,487
36: 2,241,266
76: 2,240,591
78: 2,240,930
191— 40: 2,240,986
43: 2,240,954
88: 2,241,149
192— .01: 2,240,712
8: 2,240,932
57: 2,240,662
111: 2,241,223
113: 2,241,241
2,241,242
131: 2,240,630
143: 2,240,506
145: 2,241,130
196— 13: 2,240,577
2,240,727
18: 2,240,964
197— 20: 2,240,562
2,240,563
33: 2,240,477
128: 2,241,173
130: 2,240,568
133: 2,241,357
151: 2,240,578
198— 44: 2,241,359
165: 2,241,219
167: 2,240,697
199— 14: 2,240,956
200— 11: 2,240,997
19: 2,240,804
37: 2,240,499
52: 2,240,615
59: 2,241,164
2,241,277
67: 2,240,770
84: 2,240,880
87: 2,240,847
2,240,891
92: 2,240,656
113: 2,241,240
134: 2,240,771
144: 2,240,623
147: 2,240,654
162: 2,241,052
166: 2,241,262
168: 2,240,922

201— 55: 2,240,565
202— 41: 2,240,962
52: 2,240,752
2,241,110
57: 2,240,764
2,241,175
105: 2,240,575
136: 2,240,757
170: 2,240,989
204— 280: 2,240,821
305: 2,240,495
206— 19.5: 2,241,045
44: 2,240,645
2,240,810
65: 2,240,811
209— 6: 2,240,718
169: 2,240,671
318: 2,240,779
210— 38: 2,240,648
71: 2,240,826
160: 2,241,368
161: 2,241,229
173: 2,240,642
195: 2,240,793
211— 99: 2,240,561
126: 2,240,832
130: 2,240,960
213— 72: 2,241,353
214— 18: 2,241,310
215— 38: 2,241,022
100: 2,240,647
217— 30: 2,240,828
44: 2,241,210
219— 6: 2,240,896
2,241,015
8: 2,240,672
10: 2,241,216
14: 2,240,627
21: 2,241,003
25: 2,241,067
29: 2,240,913
32: 2,240,678
41: 2,240,953
46: 2,240,625
220— 9: 2,240,916
30: 2,241,101
34: 2,241,179
44: 2,240,836
2,241,085
221— 125: 2,240,610
223— 57: 2,241,373
88: 2,241,099
92: 2,240,885
29: 2,241,076
224— 22: 2,241,097
225— 24: 2,240,791
.5: 2,241,072
68: 2,240,655
229— 1.5: 2,240,599
5.7: 2,240,944
51: 2,240,539
87: 2,241,332
230— 21: 2,241,195
2,241,330
30: 2,241,192
47: 2,240,543
119: 2,240,653
234— 27.5: 2,240,553
43: 2,240,587
58: 2,240,938
235— 2: 2,240,549
6: 2,241,272

235—61.11: 2,240,544
2,240,545
2,240,546
61.6: 2,240,667
62: 2,240,797
2,240,798
2,241,102
236— 12: 2,240,302
99: 2,241,324
2,241,326
101: 2,241,108
237— 1: 2,240,951
2: 2,241,070
8: 2,240,731
238— 291: 2,241,280
327: 2,240,858
240— 4.2: 2,240,785
6.4: 2,241,319
6.46: 2,240,596
7.7: 2,241,128
11.2: 2,240,634
73: 2,241,066
81: 2,240,608
128: 2,240,659
241— 1: 2,241,267
242— 47.5: 2,241,126
55.2: 2,240,629
56: 2,241,141
71: 2,241,122
75: 2,241,307
130: 2,241,260
142: 2,240,675
244— 1: 2,240,747
.2: 2,241,155
42: 2,241,335
43: 2,241,196
63: 2,240,947
102: 2,240,892
2,241,213
139: 2,241,279
154: 2,240,881
246— 8: 2,240,676
219: 2,241,048
248— 5: 2,241,139
152: 2,241,075
220.5: 2,241,212
255: 2,240,895
265: 2,241,082
268: 2,240,987
279: 2,240,651
291: 2,241,059
300: 2,241,205
358: 2,241,026
2,241,138
250— 11: 2,241,170
17: 2,240,941
20: 2,240,500
2,241,157
27: 2,240,700
2,240,713
27.5: 2,240,557
2,241,215
33: 2,240,488
40: 2,241,145
41.5: 2,240,800
49.5: 2,240,914
71: 2,240,844
2,241,154
80: 2,240,706
99: 2,240,478
157: 2,240,606
251— 27: 2,240,521

251— 44: 2,241,012
122: 2,240,979
156: 2,240,711
252— 16: 2,241,143
53: 2,241,243
117: 2,240,957
341: 2,241,011
253— 65: 2,240,686
254— 1: 2,240,724
2: 2,240,723
4: 2,240,564
43: 2,240,814
89: 2,240,756
166: 2,240,570
168: 2,240,523
173: 2,241,274
187: 2,240,741
189: 2,240,794
255— 1.8: 2,241,255
2,241,273
2,241,333
23: 2,240,738
28: 2,240,519
42: 2,240,598
256— 59: 2,240,689
257— 3: 2,241,060
154: 2,240,537
236: 2,241,209
260— 2: 2,240,583
32: 2,240,730
38: 2,240,480
39: 2,240,529
42: 2,241,340
43: 2,240,582
73: 2,241,234
78: 2,241,321
2,241,322
2,241,323
102: 2,240,936
104: 2,241,341
124: 2,241,306
206: 2,241,247
225: 2,241,226
2,241,235
240: 2,241,237
2,241,238
348: 2,241,019
397.7: 2,240,496
461: 2,241,244
515: 2,241,201
541: 2,240,714
584: 2,240,965
595: 2,240,934
611: 2,241,200
635: 2,240,734
666: 2,240,513
2,240,514
686: 2,240,920
261— 15: 2,240,497
24: Re.21,794
34: 2,240,515
35: 2,240,808
59: 2,241,018
77: 2,241,337
114: 2,241,114
2,241,370
263— 53: 2,240,485
264— 3: 2,241,096
265— 20: 2,240,691
48: 2,241,347
71: 2,241,348
266— 4: 2,240,493

266— 5: 2,240,863
267— 54: 2,240,894
64: 2,241,068
268— 125: 2,240,768
270— 66: 2,241,329
271— 26: 2,240,818
43: 2,241,268
64: 2,241,168
272— 13: 2,240,899
54: 2,240,981
273— 97: 2,240,746
102.2: 2,241,135
125: 2,240,871
136: 2,240,619
274— 10: 2,240,609
275— 6: 2,240,720
277— 44: 2,241,137
280—11.36: 2,240,532
33.15: 2,240,886
90.2: 2,241,193
2,241,217
153: 2,241,035
2,241,043
283— 1: 2,240,909
284— 19: 2,240,870
285— 6.5: 2,241,293
90: 2,240,694
129: 2,241,089
205: 2,240,831
287— 85: 2,240,709
2,240,710
288— 34: 2,240,789
290— 1: 2,240,664
292— 64: 2,240,690
87: 2,240,923
164: 2,240,853
167: 2,240,865
173: 2,240,524
229: 2,241,336
307: 2,240,860
346: 2,241,109
294— 74: 2,240,510
103: 2,241,207
296— 1: 2,241,147
29: 2,240,933
44: 2,240,586
297— 15: 2,240,824
298— 3: 2,240,585
299— 19: 2,240,611
20: 2,241,167
57: 2,241,092
304— 30: 2,240,682
40: 2,240,864
308— 2: 2,241,349
36.2: 2,241,178
38: 2,241,315
78: 2,240,708
132: 2,240,665
187.1: 2,241,350
233: 2,241,032
309— 8: 2,240,640
12: 2,240,907
13: 2,240,966
2,240,967
2,240,968
45: 2,240,624
311— 45: 2,240,551
312— 36: 2,240,928
50: 2,240,974
80: 2,240,884

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Re. 21,794: 261— 24
2,240,478: 250— 99
2,240,480: 260— 38
2,240,491: 20— 74
2,240,494: 148— 10
2,240,496: 260—397.7
2,240,497: 261— 15
2,240,502: 20— 74
2,240,522: 99— 109
2,240,525: 29—157.6
2,240,529: 260— 39

2,240,533: 178— 7.5
2,240,534: 178— 7.5
2,240,549: 235— 2
2,240,561: 211— 99
2,240,580: 179—171.5
2,240,594: 43— 83
2,240,600: 178— 7.5
2,240,601: 178— 7.5
2,240,605: 178— 7.5
2,240,620: 155— 97
2,240,649: 83— 13

2,240,661: 78— 13
2,240,669: 116— 114
2,240,685: 90— 21
2,240,729: 16— 149
2,240,757: 202— 136
2,240,760: 62— 134
2,240,775: 103— 35
2,240,808: 261— 35
2,240,828: 217— 30
2,240,832: 211— 126
2,240,859: 47— 58

2,240,882: 62— 2
2,240,895: 248— 255
2,240,914: 250— 49.5
2,240,926: 100— 71
2,240,939: 106— 7
2,240,946: 30— 254
2,240,957: 252— 117
2,240,999: 283— 1
2,241,003: 219— 21
2,241,018: 261— 59
2,241,027: 84—1.17

2,241,077: 137— 158
2,241,110: 202— 52
2,241,111: 121— 168
2,241,126: 242—47.5
2,241,143: 252— 16
2,241,154: 250— 71
2,241,210: 217— 44
2,241,235: 200— 225
2,241,240: 200— 113
2,241,255: 255— 1.8
2,241,273: 255— 1.8

2,241,283: 57— 162
2,241,294: 159— 43
2,241,321: 260— 78
2,241,322: 260— 78
2,241,323: 260— 78
2,241,325: 158— 28
2,241,327: 158— 28
2,241,335: 244— 42
2,241,362: 176— 126
2,241,367: 43— 27

U. S. GOVERNMENT PRINTING OFFICE: 1941

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Vitamin preparation. Serial Nos. 442,088–9; May 13. Class 6.

Acme Veneer Package Co., Inc., Orchard Park, N. Y. Boxes, crates, and baskets, and parts thereof. Serial No. 424,982; May 13. Class 2.

Adler, Edward R., doing business as Fidelity Products Co., Canton, Ohio. Liquid fly line dressing. Serial No. 441,934; May 13. Class 6.

Aircraft & Diesel Equipment Corporation, Chicago, Ill. Diesel engine equipment. Serial No. 441,691; May 13. Class 23.

Allen, Arthur V., Oak Park, Ill. Medicinal compound. Serial No. 441,071; May 13. Class 6.

American Mills Company of New York, The, New Haven, Conn. Elastic fabrics. Serial No. 441,847; May 13. Class 42.

American Tire Machinery Co., Los Angeles, Calif. Machinery for treating tires. Serial No. 428,947; May 13. Class 23.

Anderson Company, The, Gary, Ind. Skin cleanser and stain remover. Serial No. 441,074; May 13. Class 4.

Armstrong Cork Company, Lancaster, Pa. Metal clips. Serial No. 441,463; May 13. Class 13.

Atlas Purity Products Co., Chicago, Ill. Plastic sealing compound in the nature of a putty. Serial No. 440,711; May 13. Class 16.

Baker, H. J., & Bro., New York, N. Y. Fertilizer. Serial No. 441,992; May 13. Class 10.

Bausch & Lomb Optical Company, Rochester, N. Y. Object carriers for perimeters. Serial No. 441,661; May 13. Class 26.

Bergren Co. Inc., The, Clearwater, Fla. Tung oil for external application for the alleviation of cuts, etc., and tung tea. Serial No. 430,479; May 13. Class 6.

Borden Company, The, New York, N. Y., doing business as Borden-Wieland, Chicago, Ill. Fluid milk. Serial No. 440,908; May 13. Class 46.

Brown, McCleane, Sewickley, Pa. Beverages and syrups and extracts for making the same. Serial No. 441,193; May 13. Class 45.

Carolene Products Co., Litchfield, Ill. Compound or evaporated skimmed milk and vegetable oil for food purposes. Serial No. 440,971; May 13. Class 46.

Carter Products, Inc., New York, N. Y. Lipsticks, face cream, and rouge. Serial No. 442,304; May 13. Class 6.

Charleston Milling Company, Charleston, W. Va. Wheat flour. Serial Nos. 441,346–7; May 13. Class 46.

Cheney Brothers, Manchester, Conn., and New York, N. Y. Fabrics. Serial Nos. 441,605–6; May 13. Class 42.

"Chubbs," Norman, Okla. Chicken lunches and dinners, packaged. Serial No. 431,148; May 13. Class 46.

Clark Brothers Chewing Gum Co., Pittsburgh, Pa. Chewing gum. Serial No. 440,743; May 13. Class 46.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods. Serial No. 441,531; May 13. Class 42.

Clark-Cleveland, Incorporated, Binghamton, N. Y. Powder for cleaning dental plates. Serial No. 441,696; May 13. Class 4.

Coleman & Bell Company, The, Norwood, Ohio. Liquid solvent. Serial No. 440,042; May 13. Class 4.

Collins, Clyde, Inc., doing business as King Cotton Laboratories, Memphis, Tenn. Brushless shaving cream. Serial No. 441,157; May 13. Class 4.

Comex Wine & Spirits Co., Inc., New York, N. Y. Wines. Serial No. 441,500; May 13. Class 47.

Comex Wine & Spirits, Inc., New York, N. Y. Wines. Serial No. 441,566; May 13. Class 47.

Comey, R. H., Company, Inc., Brooklyn, N. Y. Hats and hat bodies. Serial No. 440,582; May 13. Class 39.

Constantino Gonzalez y Cia., S. en C., Habana City, Cuba. Tobacco products. Serial No. 435,789; May 13. Class 17.

Continental Car-Na-Var Corporation, Brazil, Ind. Liquid polish for furniture and automobiles. Serial No. 438,168; May 13. Class 16.

Continental Oil Company, Ponca City, Okla. Lubricating oils. Serial No. 441,310; May 13. Class 15.

Cresca Company, Incorporated, New York, N. Y. Marmalade, tea, jams, etc. Serial No. 432,180; May 13. Class 46.

Dare, Virginia, Extract Company, Inc., Brooklyn, N. Y. Fruit juice beverage. Serial No. 441,086; May 13. Class 45.

De Nardo, Pete, & Sons, Midland, Pa. Preparation for use on the hair. Serial No. 440,806; May 13. Class 6.

Di Lullo, Giovanni, Philadelphia, Pa. Spaghetti sauce. Serial No. 439,589; May 13. Class 46.

Dittlinger, H., Roller Mills Co., New Braunfels, Tex. Wheat flour. Serial No. 440,807; May 13. Class 46.

Dorow, Ray O., Wauwatosa, Wis. Book matches. Serial No. 437,761; May 13. Class 9.

Dunn, Oliver R., Kent, Wash. Special preparation embodying a combination of meats and condiments. Serial No. 432,513; May 13. Class 46.

Ettelbrick, August V., Casey, Ill. Shoes. Serial No. 440,324; May 13. Class 39.

Ettelbrick Shoe Company, Greenup, Ill. Shoes. Serial No. 441,282; May 13. Class 39.

Evans, John R., & Company, Camden, N. J. Leather. Serial No. 439,860; May 13. Class 1.

Fawcett Publications, Inc., Greenwich, Conn. Periodical publication. Serial No. 439,861; May 13. Class 38.

Federal Glass Company, The, Columbus, Ohio. Glass tableware. Serial No. 441,316; May 13. Class 33.

Fidelity Products Co. (See Adler, Edward R.)

Fillice and Perrelli Canning Company, Incorporated, Richmond, Calif. Canned fruits, canned vegetables, canned tomato sauce, etc. Serial No. 433,562; May 13. Class 46.

Finch Telecommunications, Inc., Passaic, N. J. Apparatus used in facsimile and telegraph apparatus for the transmission of pictures, etc. Serial No. 438,301; May 13. Class 21.

Fingerhut, Joseph, doing business as Havmor Food Products, Brooklyn, N. Y. Potato chips. Serial No. 437,558; May 13. Class 46.

Firestone Tire & Rubber Company, The, Akron, Ohio. Refrigerators. Serial No. 442,229; May 13. Class 31.

Firma Paul Schönfeld, Chemnitz, Germany. Hosiery, dresses, coats, etc. Serial No. 422,155; May 13. Class 39.

Forest City Rubber Company, The, Cleveland, Ohio. Absorbent cotton. Serial No. 442,260; May 13. Class 44.

Fownes Brothers & Company, Inc., New York, N. Y. Gloves. Serial No. 441,700; May 13. Class 39.

Ganow, Stacy B., Caldwell, N. J. Fruit preserves. Serial No. 440,551; May 13. Class 46.

General Shoe Corporation, Nashville, Tenn. Shoes. Serial No. 441,507; May 13. Class 39.

General Vender Manufacturing Company, Kansas City, Mo. Vending machines. Serial No. 441,659; May 13. Class 23.

Gevaert Company of America, The, New York, N. Y. Colored acetate sheets designed to absorb a portion of the sun's spectrum. Serial No. 438,837; May 13. Class 50.

Gleason Works, The, Rochester, N. Y. Gear cutting tools. Serial Nos. 441,608–9; May 13. Class 23.

Globe Oil & Refining Company, The, Wichita, Kans. Gasoline, lubricating oils and greases. Serial No. 439,717; May 13. Class 15.

Goldfarb, Samuel J., New York, N. Y. Dresses and coats. Serial No. 441,610; May 13. Class 39.

Greenspoon Clothing Co., Inc., St. Louis, Mo. Wearing apparel. Serial No. 441,536; May 13. Class 39.

Gulf Oil Corporation, Pittsburgh, Pa. Gasoline and gasoline-like motor fuels. Serial No. 440,986; May 13. Class 15.

Hardison, T. W., doing business as Petit Jean Springs Company, Morrilton, Ark. Spring water. Serial No. 441,203; May 13. Class 45.

Havmor Food Products. (See Fingerhut, Joseph.)

Heddon's, James, Sons, Dowagiac, Mich. Fish lures. Serial No. 441,245; May 13. Class 22.

Heddon's, James, Sons, Dowagiac, Mich. Fish lures. Serial No. 441,247; May 13. Class 22.

Heyer, Don, Inglewood, Calif. Dolls, checker-boards and movable pieces, toy building blocks, etc. Serial No. 427,245; May 13. Class 22.

Hickinbotham Bros., Ltd., Stockton, Calif. Electric welding apparatus including parts and accessories therefor. Serial No. 443,318; May 13. Class 21.

Highland Electro-Chemical Manufacturing Company. (See Hood, Russell.)

Hood, Russell A., doing business as Highland Electro-Chemical Manufacturing Company, Connellsville, Pa. Soldering paste. Serial No. 440,747; May 13. Class 6.

Hunter-Hartman Corporation, St. Louis, Mo. Battery chargers. Serial No. 437,868; May 13. Class 21.

Hydril Company, Los Angeles, Calif. Well-pipe joints. Serial No. 441,399; May 13. Class 13.

Jordan, C. Leland, doing business as A. Servfrend Service, Whittier, Calif. Fresh citrus fruit and salad dressing. Serial No. 441,613; May 13. Class 46.

Kahn, Walter D., New York, N. Y. Biscuits, crackers, and cookies. Serial No. 440,784; May 13. Class 46.

Kellogg Company, Battle Creek, Mich. Waxed oil paper. Serial Nos. 440,200–1; May 13. Class 37.

King Cotton Laboratories. (See Collins, Clyde, Inc.)

Koppers Company, Pittsburgh, Pa., and Baltimore, Md. Piston rings. Serial No. 441,773; May 13. Class 35.

Korby Sportswear, Inc., New York, N. Y. Dresses. Serial No. 435,248; May 13. Class 39.

L. I. C. Crystal Corporation, New York, N. Y. Watch crystals. Serial No. 441,094; May 13. Class 33.

Lances, Edith, Brassieres, New York, N. Y. Ladies' undergarments. Serial No. 441,437; May 13. Class 39.
Lansburgh & Bro., Washington, D. C. Shoes, coats, suits, etc. Serial No. 439,934; May 13. Class 39.
Lapper, Benjamin, Brooklyn, assignor to National Pad & Tablet Corp., New York, N. Y. Photographic albums and holders. Serial No. 441,096; May 13. Class 37.
Larsen Company, The, Green Bay, Wis. Canned vegetables. Serial No. 435,550; May 13. Class 46.
Lelong, Lucien, Inc., Chicago, Ill. Perfume, cologne, toilet water, etc. Serial No. 440,601; May 13. Class 6.
Les Parfums Beauregard, Inc., Cleveland, Ohio. Face powder, cream, rouge, and lipstick. Serial No. 429,080; May 13. Class 6.
Levine, Joe, Dress Co. Inc., New York, N. Y. Dresses, gowns, suits, etc. Serial No. 440,205; May 13. Class 39.
Lowe Paper Company, Ridgefield, N. J. Exposure aids in photography. Serial No. 440,374; May 13. Class 26.
MacAlister, Paul, Inc., New York, N. Y. Kit or package containing articles representing in miniature rooms and articles of furniture, etc. Serial No. 439,820; May 13; Class 50.
Maier Brewing Co., Inc., Los Angeles, Calif. Beer. Serial No. 441,873; May 13. Class 48.
Manet, Mona, Inc., New York, N. Y. Face powders, face and skin creams, rouges, etc. Serial No. 441,582; May 13. Class 6.
McBee Company, The, Athens, Ohio. Index cards. Serial No. 434,414; May 13. Class 37.
McKesson & Robbins, Inc. (See Wardall, William J.)
Miracle Girl Coat House, Inc., New York, N. Y. Coats. Serial No. 440,206; May 13. Class 39.
Moore, John Hudson, Inc., New York, N. Y. Toilet brushes. Serial No. 440,993; May 13. Class 29.
Nancy Ann Dressed Dolls, Inc., San Francisco, Calif. Dolls, doll clothes, and doll furniture. Serial No. 442,272; May 13. Class 22.
Nancy Ann Dressed Dolls, Inc., San Francisco, Calif. Dolls and doll clothes. Serial No. 442,273; May 13. Class 22.
National Cash Register Company, The, Dayton, Ohio. Cash registers, credit registers, accounting machines, etc. Serial No. 441,440; May 13. Class 26.
National Institute of Nutrition, Buffalo, N. Y., and Los Angeles, Calif., now by change of name: Nion Corporation. Yeast containing vitamin D. Serial No. 441,212; May 13. Class 6.
National Orange Products, Inc., Chicago, Ill. Non-alcoholic maltless beverages, and syrups and extracts. Serial No. 440,424; May 13. Class 45.
National Pad & Tablet Corp. (See Lapper, Benjamin, assignor.)
National Ring Traveler Co., Providence, R. I. Travelers for use on spinning and twisting and spinning rings. Serial No. 441,621; May 13. Class 23.
Natural Cheese, Inc., Chicago, Ill., and Juneau, Wis. Cheese. Serial No. 441,520; May 13. Class 46.
Newland, Schneeloch & Piek, Inc., New York, N. Y. Glass dishes. Serial No. 441,622; May 13. Class 33.
Nion Corporation. (See National Institute of Nutrition.)
Oelerich & Berry Company, Chicago, Ill. Canned mixed vegetable juices. Serial No. 440,952; May 13. Class 46.
P. C. Product Company, St. Louis, Mo. Composition for killing rodents. Serial No. 436,522; May 13. Class 6.
Pangburn Company, Fort Worth, Tex. Nut brittles. Serial No. 425,929; May 13. Class 46.
Pechter Baking Co., Inc., New York, N. Y. Rye bread and pumpernickel. Serial No. 430,874; May 13. Class 46.
Perrine Quality Products Corporation, Waltham, Mass. Storage batteries. Serial No. 428,623; May 13. Class 21.
Petit Jean Springs Company. (See Hardison, T. W.)
Poor & Company, Chicago, Ill. Chemical materials and compositions for coating metal surfaces, etc. Serial No. 441,746; May 13. Class 6.
Pure Oil Company, The, Chicago, Ill. Lubricating oil. Serial No. 441,630; May 13. Class 15.
Quality Caking Co. Inc., New York, N. Y. Cakes. Serial No. 440,705; May 13. Class 46.
Raab Custom Tailors, Inc., Cincinnati, Ohio. Suits, waistcoats, trousers, etc. Serial No. 431,130; May 13. Class 39.
Remington Rand Inc., Buffalo, N. Y. Blank and partially printed index cards. Serial No. 441,371; May 13. Class 37.
Riegel Textile Corporation, New York, N. Y. Piece goods. Serial No. 441,643; May 13. Class 42.
Robertshaw Thermostat Company, Youngwood, Pa. Hydraulic thermal units. Serial No. 429,718; May 13. Class 26.
Roma Wine Company, Inc., Fresno, Calif. Wines. Serial No. 440,758; May 13. Class 47.
Rose, Edwin S., doing business as Edwin S. Rose Company, Minneapolis, Minn. Coats and suits. Serial No. 441,644; May 13. Class 39.
Rosenholz, J., Inc., New York, N. Y. Piece goods. Serial No. 441,592; May 13. Class 42.
Rouw, H., Company, The, Van Buren, Ark. Fresh fruits and vegetables. Serial No. 439,474; May 13. Class 46.
Rubinstein, Helena, Inc., New York, N. Y. Lipsticks. Serial No. 440,342; May 13. Class 6.
Rubinstein, Helena, Inc., New York, N. Y. Leg make-up. Serial No. 441,037; May 13. Class 6.
Ruby Chemical Company, The, Columbus, Ohio. Soldering and tinning flux. Serial No. 441,748; May 13. Class 6.
S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Machines for corrugating paper material, for taping box blanks, for folding paper blanks, etc. Serial No. 434,843; May 13. Class 23.
Saks & Company, New York, N. Y. Shoes. Serial No. 441,215; May 13. Class 39.
Sales Affiliates, Inc., New York, N. Y. Liquid cream for conditioning the skin. Serial No. 441,257; May 13. Class 6.
Sandoz Chemical Works, Inc., New York, N. Y. Leather softening preparations and detergents. Serial No. 441,291; May 13. Class 4.
Santa Ana Tustin Mutual Citrus Assn., Tustin, Calif. Fresh citrus fruit. Serial No. 440,061; May 13. Class 46.
Schallinger, Carl, Co., San Francisco, Calif. Dressed poultry. Serial No. 441,184; May 13. Class 46.
Sears, Roebuck and Co., Chicago, Ill. Electric refrigerators. Serial No. 442,145; May 13. Class 31.
Servfrend, A., Service. (See Jordan, C. Leland.)
Sharp & Dohme, Incorporated, Philadelphia, Pa. Wares ordinarily and commercially described as all kinds of pharmaceutical and medicinal goods, etc., and preparations for internal and external use, etc. Serial No. 423,007; May 13. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations for the treatment and/or prevention of dietary deficiencies, etc. Serial No. 441,216; May 13. Class 6.
Shell Chemical Company, San Francisco, Calif. Ammonia for soil fertilizing. Serial No. 441,416; May 13. Class 10.
Siems Bros., Inc., St. Paul, Minn. Malt and wheat breakfast foods. Serial No. 440,523; May 13. Class 46.
Standard Milling Company, New York, N. Y. Wheat flour. Serial No. 424,931; May 13. Class 46.
Standard Synthetics, Inc., New York, N. Y. Oils of lemon and orange. Serial No. 440,761; May 13. Class 46.
Stetson, John B., Company, Philadelphia, Pa. Hats. Serial No. 441,523; May 13. Class 39.
Stuart Products, Inc., St. Paul, Minn. Perfume and sachet. Serial No. 442,053; May 13. Class 6.
Thompson-Hayward Chemical Company, Kansas City, Mo. Phosphates, soda compounds, pine oil, etc. Serial No. 438,672; May 13. Class 6.
Trundle-Bed Pillows, Larchmont, N. Y. Sachets. Serial No. 441,115; May 13. Class 6.
Tykle Toy Company, Piqua, Ohio. Baby toys. Serial No. 441,594; May 13. Class 22.
United Optical Manufacturing Corporation, New York, N. Y. Ophthalmic lenses, spectacle frames. Serial No. 440,395; May 13. Class 26.
U. S. Neckwear Corp., The, New York, N. Y. Haberdashery. Serial No. 440,566; May 13. Class 39.
United States Rubber Company, New York, N. Y. Chemicals used as accelerators in the vulcanization of rubber. Serial No. 442,080; May 13. Class 6.
Vibosol Company, The, Charlottesville, Va. Feed supplement. Serial No. 441,040; May 13. Class 46.
Walker-Gordon Laboratory Company, Inc., Plainsboro, N. J. Chemical fertilizer combined with dehydrated cow manure. Serial No. 441,754; May 13. Class 10.
Wardall, William J., trustee of the estate of McKesson & Robbins, Inc., debtor. Gin. Serial No. 440,968; May 13. Class 49.
Weiman Company, The, Rockford, Ill. Furniture. Serial No. 410,243; May 13. Class 32.
Whistling Oyster, The, Ogunquit, Maine. Glass vases, table glassware, glass boxes. Serial No. 438,916; May 13. Class 33.
Wickwire Spencer Steel Company, New York, N. Y. Wire rope. Serial No. 441,984; May 13. Class 7.
Wilkinson Bros., Calipatria, Calif. Fresh vegetables. Serial No. 441,338; May 13. Class 46.
Windsor Lloyd Products, Inc., Philadelphia, Pa. Brake shoe linings. Serial No. 439,680; May 13. Class 35.
X. L. Coin Machine Co., Inc., Boston, Mass. Portable bowling alleys. Serial No. 441,719; May 13. Class 22.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories, Chicago, Ill., to Abbott Laboratories, North Chicago, Ill. Chemical sterilizer, deodorizer, and cleanser. 145,589; renewed Aug. 16, 1941.
Addressograph-Multigraph Corporation. (See Speedaumatic Company, The, assignor.)
Aktieselskabet Grindstedvaerket, Grindsted, Denmark. Emulsifying, dispersing, wetting, penetrating, and water-binding agents. 387,289; May 13; Serial No. 428,277; published Mar. 4, 1941; Class 6.
Albemarle Paper Manufacturing Co., The, Richmond, Va. Wrapping, envelope, waterproof paper, etc. 387,444; May 13. Class 37.
American Aniline Products, Inc., New York, N. Y. Textile finishes and assistants. 387,352; May 13; Serial No. 438,464; published Feb. 25, 1941. Class 6.
American Bemberg Corporation, New York, N. Y. Piece goods. 387,402; May 13; Serial No. 439,216; published Mar. 4, 1941. Class 42.
American Bemberg Corporation, New York, N. Y. Piece goods. 387,405; May 13; Serial No. 439,264; published Feb. 25, 1941. Class 42.
American Sand-Banum Company, Inc., New York, N. Y. Lubricating oil cleaners, being chemical preparations. 387,339; May 13; Serial No. 438,104; published Mar. 4, 1941. Class 6.
American Tobacco Company, The, New York, N. Y. Cigarettes. 142,423; renewed May 17, 1941.
American Tobacco Company, The, New York, N. Y. Smoking and chewing tobacco. 142,424–8; renewed May 17, 1941.
American Tobacco Company, The, New York, N. Y. Smoking and chewing tobacco and cigarettes. 146,164; renewed Sept. 6, 1941.
Anheuser-Busch, Incorporated, assignor to Anheuser-Busch, Inc., St. Louis, Mo. Malt-sugar syrup for food purposes. 143,533–4; renewed June 7, 1941.
Anheuser-Busch, Incorporated, St. Louis, Mo., and New Orleans, La., assignor to Anheuser-Busch, Inc., St. Louis, Mo. Ice-cream. 143,535; renewed June 7, 1941.
Arkansas Company, Inc., Newark, N. J. Chemical preparation used in the finishing of textile fabrics. 387,391–2; May 13; Serial Nos. 439,063–4; published Feb. 25, 1941. Class 6.
Arkansas Company, Inc., Newark, N. J. Penetrating and leveling agent used in the wet processing of textile fabrics. 387,393; May 13; Serial No. 439,066; published Feb. 25, 1941; Class 6.
Associated Oil Company, assignor to Tide Water Associated Oil Company, San Francisco, Calif. Lubricants consisting of oils and greases. 143,278; renewed May 31, 1941.
Aunt Jemima Mills Company, St. Joseph, Mo., assignor to The Quaker Oats Company, Chicago, Ill. Cooking and salad oils. 146,681; renewed Sept. 20, 1941.
Axler, H. J., & Sons, Denver, Colo. Blouses, dresses, slack suits, etc. 387,319; May 13; Serial No. 436,559; published Mar. 4, 1941. Class 39.
Baby Aids, Inc., New York, N. Y. Holders for nursing bottles intended to be attached to baby cribs and the like. 387,372; May 13; Serial No. 438,753; published Mar. 4, 1941. Class 50.
Bancroft Walker Company, Waltham, Mass. Shoes. 387,368; May 13; Serial No. 438,718; published Mar. 4, 1941. Class 39.
Barcalo Manufacturing Company, Buffalo, N. Y. Couches, lounges, cots, etc. 387,427; May 13; Serial No. 439,990; published Mar. 4, 1941. Class 32.
Barrett Company, The, New York, N. Y. Synthetic tanning extract. 143,548; renewed June 7, 1941.
Barron-Gray Packing Company, San Jose, Calif. Canned vegetable juices for food purposes. 387,366; May 13; Serial No. 438,679; published Mar. 4, 1941. Class 46.
Bauer, Eddie, Seattle, Wash. Fish lures. 387,449; May 13. Class 22.
Bavarian Brewing Co., Inc., Covington, Ky. Ale. 387,379; May 13; Serial No. 438,859; published Mar. 4, 1941. Class 48.
Beam Manufacturing Company, Muncie, Ind. Bead cords. 387,355; May 13; Serial No. 438,499; published Mar. 4, 1941. Class 40.
Ben Hur Products, Inc. (See Coffee Products of America, Inc. Ltd.)
Berkshire Knitting Mills, Wyomissing, Pa. Hosiery. 387,441; May 13. Class 39.
Bermann, Salman, doing business as Snap Towel Holder Manufacturing Company, Los Angeles, Calif. Towel holders. 387,323; May 13; Serial No. 437,116; published Mar. 4, 1941. Class 13.
Biedka, John P. (See Kunsman, William H., assignor.)
Birenbaum, Abe, doing business as A. H. Pearl and Pearl Shoe Company, Philadelphia, Pa. Shoes. 387,327; May 13; Serial No. 437,236; published Mar. 4, 1941. Class 39.
Bonwit Teller, Inc., New York, N. Y. Blouses, sweaters, dresses, etc. 387,438; May 13. Class 39.
Borden Company, The, New York, N. Y. Ice cream. 387,403; May 13; Serial No. 439,220; published Mar. 4, 1941. Class 46.
Bosisto, J., & Co. Proprietary Limited, Melbourne, Victoria, Australia. Eucalyptus-oil. 145,613; renewed Aug. 16, 1941.
Boyd, M. M., doing business as Boyd Coffee Company, Fort Worth, Tex. Coffee. 387,290; May 13; Serial No. 428,299; published Mar. 4, 1941. Class 46.
Bridal-Pac, Inc., Manitou Springs, Colo. Cologne, powder base, liquid cleanser and freshener, etc. 387,313; May 13; Serial No. 435,676; published Mar. 4, 1941. Class 6.
Burhans, Ralph, doing business as Rahans Household Products, Brooklyn, N. Y. Wax preparation having preservative and polishing properties. 387,463; May 13. Class 16.
Busche, Katherine, executrix. (See Kunsman, William H.)
Calcibrite Corporation, The, Pawtucket, R. I. Calcium sulphate in bulk. 387,342; May 13; Serial No. 438,299; published Mar. 4, 1941. Class 1.
Campbell Baking Company, Kansas City, Mo., and Wilmington, Del., assignor to The Paniplus Company, Kansas City, Mo. Patented food ingredient to make bread. 146,962; renewed Sept. 27, 1941.
Canada Dry Ginger Ale, Incorporated, New York, N. Y. Beverage. 387,333; May 13; Serial No. 437,643; published Mar. 4, 1941. Class 45.
Capson Hat Company, Inc., Fall River, Mass. Hats. 387,341; May 13; Serial No. 438,235; published Mar. 4, 1941. Class 39.
Chapal, C. & E., Freres & Cie., Inc., Brooklyn, N. Y., assignor to Societe Anonyme des Anciens Etablissements C. & E. Chapal Freres & Cie, Montreuil-sous-Bois (Seine), France. Skins of animals used in the fur industry. 142,467; renewed May 17, 1941.
Chapman, A. D., & Company, Inc., Chicago, Ill. Insecticides. 387,285–6; May 13; Serial Nos. 427,067–8; published Feb. 25, 1941. Class 6.
Charlamb, Leon, New York, N. Y. Dental cream. 387,335; May 13; Serial No. 437,673; published Feb. 25, 1941. Class 6.
Charles of the Ritz, Inc., New York, N. Y. Lipsticks. 387,417; May 13; Serial No. 439,750; published Mar. 4, 1941. Class 6.
Chicago Food Products Co., Chicago, Ill. Chili con carne and beef broth. 387,329; May 13; Serial No. 437,404; published Mar. 4, 1941. Class 46.
Clark, W. N., Company, Rochester, N. Y. Canned fruits, vegetables, and applesauce. 387,320; May 13; Serial No. 436,713; published Mar. 4, 1941. Class 46.
Coffee Products of America, Inc. Ltd., Los Angeles, Calif., now by change of name Ben Hur Products, Inc. Compound preparation for use as an ingredient to add zest and flavor to foods. 387,315; May 13; Serial No. 435,931; published Mar. 4, 1941. Class 46.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Glycerine. 387,413; May 13; Serial No. 439,536; published Feb. 25, 1941. Class 6.
Colorado Milling & Elevator Co., The, Denver, Colo. Pancake flour. 387,397; May 13; Serial No. 439,146; published Mar. 4, 1941. Class 46.
Conley Foil Company, The, New York, N. Y., to Reynolds Metals Company, Richmond, Va., successor. Metallic sheets. 144,734; renewed July 19, 1941.
Consolidated Beverages, Inc., Louisville, Ky. Beverages. 387,386 May 13; Serial No. 439,014; published Mar. 4, 1941. Class 45.
Continental Paper Bag Co., assignor, by mesne assignments, to Southern Kraft Corporation, New York, N. Y. Sacks or bags made of paper. 141,905; renewed May 3, 1941.
Conway, Richard F., Chicago, Ill. Punch boards. 387,274; May 13; Serial No. 399,747; Mar. 4, 1941. Class 22.
Conway, Richard F., Chicago, Ill. Punch Boards. 387,275; May 13; Serial No. 399,749; published Mar. 4, 1941. Class 22.
Copeman Laboratories Company, Flint, Mich. Treated textile fabrics. 387,276; May 13; Serial No. 407,131; published Mar. 4, 1941. Class 42.
Cracker Jack Co., The, Chicago, Ill. Popcorn confection. 387,293; May 13; Serial No. 429,093; published Apr. 16, 1940. Class 46.
Crockenberg, Frank X., Honesdale, Pa. Pharmaceutical preparation. 387,465; May 13. Class 6.
Crown Marketing Co. (See Nakamura, Jim.)
David, John, New York, N. Y., assignor to J. Schoeneman, Incorporated, Baltimore, Md. Socks, dress shirts, negligee shirts, etc. 387,295; May 13; Serial No. 429,516; published Jan. 14, 1941. Class 39.
De Armond, Harry, Toledo, Ohio. Microphone accessories for string musical instruments. 387,456; May 13. Class 21.
Dentilator Products. (See Hague, Morton.)
De Pencier, Elmer M., doing business as Permorite Products Co., Los Angeles, Calif. Upholstery cleaner. 387,380; May 13; Serial No. 438,871; published Mar. 4, 1941. Class 4.
Dixie Mills Company, East St. Louis, Ill. Livestock and dairy feeds and ingredients entering into the composition of the same, etc. 387,301; May 13; Serial No. 431,851; published Mar. 4, 1941. Class 46.

Dixie Mills Company, East St. Louis, Ill. Poultry feeds and ingredients entering into the composition of the same. 387,302; May 13; Serial No. 431,853; published Mar. 4, 1941. Class 46.

Dutchess Underwear Corporation, New York, N. Y. Underwear and dresses. 387,429; May 13. Class 39.

Dyer, W. H., Company, Evansville, Ind., assignor to The London Packing Company, Terre Haute, Ind. Certain named foods. 141,930; renewed May 3, 1941.

Eastern Corporation, Bangor, Maine. Greeting card papers and papers for papeterie. 387,330; May 13; Serial No. 437,408; published Jan. 14, 1941. Class 37.

Edwards, J., & Co., Inc., Philadelphia, Pa. Children's, misses', and growing-girls' leather shoes. 146,730; renewed Sept. 20, 1941.

Ehlenberger, Geo., & Co., Inc., New York, N. Y., and Miami, Fla. Butter. 387,362; May 13; Serial No. 438,647; published Mar. 4, 1941. Class 46.

Electric Tachometer Corporation, The, Philadelphia, Pa. Magno-generators, electric switches, and electric contact devices. 146,568; renewed Sept. 13, 1941.

Embalmers' Supply Company, The, Westport, Conn. Soaps, especially adapted for the embalming trade. 387,282; May 13; Serial No. 426,088; published Mar. 4, 1941. Class 4.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 387,426; May 13; Serial No. 439,931; published Mar. 4, 1941. Class 22.

Erwin Cotton Mills Company, The, Durham, N. C. Sheets and pillow cases. 387,347; May 13; Serial No. 438,384; published Mar. 4, 1941. Class 42.

Ever-Dry Corporation, also doing business as Tipstik Cosmetics, Los Angeles, Calif. Lipsticks and lip rouge. 387,406; May 13; Serial No. 439,271; published Mar. 4, 1941. Class 6.

Exertone Inc. (See Zucker, Goldie, assignor.)

Famous Foods, Inc., Detroit, Mich. Potato chips. 387,398; May 13; Serial No. 439,156; published Mar. 4, 1941. Class 46.

Farmer Bros. Co., Los Angeles, Calif. Coffee, tea, spices, extracts used for flavoring foods. 387,305; May 13; Serial No. 432,341; published Mar. 4, 1941. Class 46.

Fisher Brothers, New Castle, Pa. Shirts, pants, and overalls. 142,530; renewed May 17, 1941.

Florsheim Shoe Company, The, assignor to The Florsheim Shoe Company, Chicago, Ill. Boots and shoes made of leather. 146,737; renewed Sept. 20, 1941.

Friedman Hosiery Corp., New York, N. Y. Hosiery. 387,399; May 13; Serial No. 439,160; published Mar. 4, 1941. Class 39.

Frosted Fruit Products, Los Angeles, Calif. Frozen seedless purees of fruit and berries. 387,432; May 13. Class 46.

Fulton, Vera F., Gallipolis, Ohio. Aprons, dresses, and uniforms for service. 387,373; May 13; Serial No. 438,761; published Mar. 4, 1941. Class 39.

General Baking Company. (See Kolb, George O., assignor.)

General Laboratories, Inc., Des Moines, Iowa. Canned and packaged dog food. 387,363; May 13; Serial No. 438,650; published Mar. 4, 1941. Class 46.

General Mills, Inc., Minneapolis, Minn. Flour. 387,374; May 13; Serial No. 438,764; published Mar. 4, 1941. Class 46.

George, George, doing business as George Bros. Mfg. Co., New York, N. Y. Compound for bleaching felt hats and a compound for sizing felts and the like. 387,460; May 13. Class 6.

Gill, James G., Company, Inc., The. (See Merryweather Coffee, Tea & Spice Co., assignor.)

Graham Paper Company, St. Louis, Mo. Tissue paper. 387,458; May 13. Class 37.

Grand Rapids Furniture Makers Guild, Grand Rapids, Mich. Wooden and upholstered furniture. 387,425; May 13; Serial No. 439,867; published Mar. 4, 1941. Class 32.

Graver Tank & Mfg. Co., Inc., East Chicago, Ind. Vapor reservoir tanks for controlling the vapor pressure in gasoline storage tanks. 387,307; May 13; Serial No. 432,819; published Mar. 4, 1941. Class 2.

Green, Daniel, Company, Dolgeville, N. Y. Shoes and slippers. 387,345; May 13; Serial No. 438,334; published Mar. 4, 1941. Class 39.

Grossman, Samuel, Chicago, Ill. Dresses. 387,437; May 13. Class 39.

Guerin Mills Inc. (See Montrose Worsted Company.)

Guiberson Oil Heater Co., Dallas, Tex. Oil space heaters. 387,369; May 13; Serial No. 438,733; published Mar. 4, 1941. Class 34.

Hague, Morton, doing business as Dentilator Products, Chicago, Ill. Sanitary container for false teeth and removable dental bridges. 387,332; May 13; Serial No. 437,621; published Mar. 4, 1941. Class 44.

Hawley Pulp and Paper Company, Oregon City, Oreg. "Mimeograph", bristol, and wrapping paper. 387,382; May 13; Serial No. 438,944; published Mar. 4, 1941. Class 37.

Heddon's, James, Sons, Dowagiac, Mich. Fish lures. 387,464; May 13. Class 22.

Heirloom Needlework Guild, Inc., New York, N. Y. Piece goods. 387,328; May 13; Serial No. 437,338; published Mar. 4, 1941. Class 42.

Henrietta Mills, The, Henrietta, N. C., assignor to The Henrietta Mills, Caroleen, N. C., Cherokee Falls, S. C., and New York, N. Y. Cotton sheetings, shirtings, and drills. 20,147; re-renewed Sept. 15, 1941.

Hermann, Heinrich, & Weiss, Inc., New York, N. Y. Necktie receptacles having necktie racks therein. 387,447; May 13. Class 50.

Hudson Handkerchief Co., Inc., Newark, N. J. Handkerchiefs. 387,451; May 13. Class 39.

Hull, Foster M., M. D., doing business as Hull Laboratories, Los Angeles, Calif. Analgesic antiseptic, non-irritating surgical dressing in semi-gelatinous form. 387,348; May 13; Serial No. 438,392; published Feb. 25, 1941. Class 6.

Huttig Manufacturing Co., Muscatine, Iowa. Woodwork. 387,297–8; May 13; Serial Nos. 430,736–7; published July 9, 1940. Class 12.

Hyland, George H., Los Angeles, Calif. Medicated salve. 140,840; renewed Mar. 29, 1941.

Hylo Company, Incorporated, Houston, Tex. Preparation used in the bath having water softening and skin beautifying properties. 387,283; May 13; Serial No. 426,258; published Feb. 25, 1941. Class 6.

Impex, Inc., New York, N. Y. Stockings and bathing suits. 387,380; May 13; Serial No. 439,047; published Mar. 4, 1941. Class 39.

Independent Silo Co., St. Paul, Minn. Silos and blocks and stones used in the manufacture of silos. 387,418; May 13; Serial No. 439,753; published Mar. 4, 1941. Class 2.

Inertol Company, Inc., New York, N. Y. Waterproofing and protective paint or enamel coating. 387,353–4; May 13; Serial Nos. 438,482–3; published Mar. 4, 1941. Class 16.

Iroquois Coal Company, Chicago, Ill. Coal. 387,324; May 13; Serial No. 437,135; published Mar. 4, 1941. Class 1.

Jacobs, E. H., Manufacturing Co., Inc., Danielson, Conn. Textile machinery. 387,430; May 13. Class 23.

Jacobs, E. H., Manufacturing Co., Inc., Danielson, Conn. Loom supplies. 387,436; May 13. Class 23.

Jantzen Knitting Mills, Portland, Oreg. Sweaters. 387,452; May 13. Class 39.

Jenkins Bros., assignor of Jenkins Rubber Co., Elizabeth, N. J., to Jenkins Bros., New York, N. Y., and Bridgeport, Conn. Rubber packing. 140,847; renewed Mar. 29, 1941.

Jergens, Andrew, Company, The, Cincinnati, Ohio. Soap. 145,314; renewed Aug. 2, 1941.

Joseph & Feiss Company, The, Cleveland, Ohio. Men's suits. 387,277; May 13; Serial No. 413,715; published Jan. 9, 1940. Class 39.

Kalich, Rose, doing business as M. L. Kalich & Co., Watsonville, Calif. Fruits and vegetables. 387,321; May 13; Serial No. 436,972; published Mar. 4, 1941. Class 46.

Keasbey & Mattison Company, Ambler, Pa. Background paper sheets for display purposes. 387,292; May 13; Serial No. 428,693; published Mar. 4, 1941. Class 37.

Kel-Ray Knitting Mills. (See Krumholz & Lichtblau.)

Kimberly-Clark Corporation, Neenah, Wis. Book paper. 387,357; May 13; Serial No. 438,573; published Mar. 4, 1941. Class 37.

Klein, Joseph L., to J. L. Klein Company, doing business as Little Brown Jug Products Company, St. Louis, Mo., successor. Syrup for table purposes. 142,659; renewed May 17, 1941.

Kleinkramer, Simon, New York, N. Y. Hand cream, perfume, cold cream, etc. 387,409–10; May 13; Serial Nos. 439,412–13; published Mar. 4, 1941. Class 6.

Kolb, George O., Hartford, Conn., assignor to General Baking Company, New York, N. Y. Bread. 143,659; renewed June 7, 1941.

Kolor Kut Products Company. (See Smythe, Charles M.)

Krumholz & Lichtblau, doing business as Kel-Ray Knitting Mills, New York, N. Y. Panties, step-ins, vests, etc. 387,316; May 13; Serial No. 435,941; published Mar. 4, 1941. Class 39.

Kunsman, William H., Morrisville, Pa., deceased; K. Busche, executrix, assignor to J. P. Bledka, Bristol, Pa. Lotion for eradicating skin wrinkles. 387,343; May 13; Serial No. 438,311; published Feb. 25, 1941. Class 6.

Lady Esther Lingerie Corporation, New York, N. Y. Slips. 387,455; May 13. Class 39.

Lelong, Lucien, Inc., Chicago Ill. Perfume. 387,457; May 13. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes and cosmetic creams. 387,314; May 13; Serial No. 435,855; published Feb. 25, 1941. Class 6.

Levy Bros. & Adler Rochester, Inc., Rochester, N. Y. Topcoats and overcoats. 387,459; May 13. Class 39.

Levy, Moe, & Son, Inc., New York N. Y. Suits, overcoats, topcoats, etc. 387,344; May 13; Serial No. 438,312; published Mar. 4, 1941. Class 39.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation of homogenized vitamins A, B_1, B_2, C, and D. 387,419; May 13; Serial No. 439,816; published March 4 1941. Class 6.

Lilly, Eli, Company, Indianapolis, Ind. Medicinal preparation of pan-vitamins containing vitamins A, B_1, B_2(G), B_6, C, D, nicotinamide, and pantothenic acid. 387,420; May 13; Serial No. 439,817; published Mar. 4, 1941. Class 6.

Little Brown Jug Products Company. (See Klein, Joseph L.)

Loudon Packing Company, The. (See W. H. Dyer Company, assignor.)

Magnet Cove Barium Corporation, Jamestown, Tenn., and Malvern, Ark. Ground barytes. 387,312; May 13; Serial No. 435,658; published Mar. 4, 1941. Class 1.

Maison Blanche Company, New Orleans, La. Women's and men's pajamas, men's sport shirts, etc. 387,278; May 13; Serial No. 413,766; published Mar. 7, 1939. Class 39.

Majestic Handle Company, Chicago, Ill. Vacuum hooks. 387,287; May 13; Serial No. 427,081; published Mar. 4, 1941. Class 13.

Malone Knitting Company, Springfield, Mass. Infants' underwear. 387,450; May 13. Class 39.

Manhattan Soap Company, Inc., New York, N. Y. Soap. 387,400; May 13; Serial No. 439,164; published Mar. 4, 1941. Class 4.

Marshall Field & Company, Chicago, Ill. Suits. 387,454; May 13. Class 39.

Marvlo Mills, Inc., New York, N. Y. Piece goods. 387,407; May 13; Serial No. 439,291; published Mar. 4, 1941. Class 42.

Mayflower Dress Co., Inc., New York, N. Y. Dresses, blouses, skirts, and jackets. 387,300; May 13; Serial No. 438,623; Published Mar. 4, 1941. Class 39.

McDowell, W. B., Shelton, S. C. Compound for fortifying soft drinks with vitamin B_1. 387,416; May 13; Serial No. 439,661; published Mar. 4, 1941. Class 6.

McPhillips Packing Corporation, Bayou la Batre, Ala. Canned shrimp. 387,294; May 13; Serial No. 429,483; published Feb. 25, 1941. Class 46.

McPhillips Packing Corporation, Bayou la Batre, Ala. Canned shrimp. 387,440; May 13. Class 46.

Mead Johnson & Company, Evansville, Ind. Drug product. 387,310; May 13; Serial No. 435,133; published Mar. 4, 1941. Class 6.

Meadowbrook Sportswear, Inc., New York, N. Y. Dresses. 387,358; May 13; Serial No. 438,576; published Mar. 4, 1941. Class 39.

Merryweather Coffee, Tea & Spice Co., Cincinnati, Ohio, assignor, by mesne assignments, to The James G. Gill Company, Inc., Norfolk, Va. Coffee. 141,413; renewed Apr. 19, 1941.

Mid City Wholesale Grocers, Inc., Cicero, Ill. Canned vegetables, canned fruits, etc. 387,361; May 13; Serial No. 438,624; published Mar. 4, 1941. Class 46.

Mid-States Gummed Paper Co., Chicago, Ill. Gummed cloth and sisal tape. 387,121; May 13; Serial No. 439,822; published Mar. 4, 1941. Class 5.

Milprint, Inc., Milwaukee, Wis. Commodity wrappers. 387,303; May 13; Serial No. 431,870; published Feb. 4, 1941. Class 37.

Monomelt Co., Inc., The, Minneapolis, Minn. Machine of the milling machine type. 387,433; May 13. Class 23.

Montell, Germaine, Cosmetiques Corporation, New York, N. Y. Lipsticks, lip rouges, and face rouges. 387,414; May 13; Serial No. 439,592; published Feb. 25, 1941. Class 6.

Montrose Worsted Company, Woonsocket, R. I., and New York, N. Y., assignor to Guerin Mills Inc., Woonsocket, R. I. Worsted and woolens, both in the piece. 146,299; renewed Sept. 6, 1941.

Mueller, John, Licorice Company, The, Cincinnati, Ohio. Licorice confections. 146,821; renewed Sept. 20, 1941.

Nakamura, Jim, doing business as Crown Marketing Co., Los Angeles, Calif. Fresh vegetables, fruits, etc. 387,364; May 13; Serial No. 438,662; published Mar. 4, 1941. Class 46.

National Mineral Company, Chicago, Ill. Permanent wave pads. 387,439; May 13. Class 44.

Newbro Manufacturing Company, Atlanta, Ga. Hair-pomade. 146,824; renewed Sept. 20, 1941.

New York Merchandise Co., Inc., New York, N. Y. Tablecloths and napkins. 387,375; May 13; Serial No. 438,773; published Mar. 4, 1941. Class 42.

No-Flame Chemical Corporation, Los Angeles, Calif. Prepared chemicals used in impregnating materials. 387,462; May 13. Class 6.

Nordic Baking and Importing Company, Seattle, Wash. Prepared food products. 387,322; May 13; Serial No. 437,099; published Mar. 4, 1941. Class 46.

North & Judd Manufacturing Company, New Britain, Conn. Accessories for harness and saddlery. 387,376; May 13; Serial No. 438,774; published Mar. 4, 1941. Class 3.

Ollcraft Company, The, San Francisco, Calif. Decorative cut-outs. 387,336; May 13; Serial No. 437,799; published Mar. 4, 1941. Class 50.

Omaha Cold Storage Company, The, Omaha, Nebr. Dressed turkeys. 387,350; May 13; Serial No. 438,445; published Mar. 4, 1941. Class 46.

Palter, Dan, New York, N. Y. Boots, shoes, and slippers. 387,377; May 13; Serial No. 438,813; published Mar. 4, 1941. Class 39.

Paniplus Company The. (See Campbell Baking Company, assignor.)

Parfums Corday, Inc., New York, N. Y. Perfumes, toilet waters. 387,317; May 13; Serial No. 436,319; published Mar. 4, 1941. Class 6.

Paris, George M., & Company, Inc., Lexington and Cambridge, Mass. Nonalcoholic, maltless beverages, and extracts. 387,326; May 13; Serial Nos. 437,216–17; published Mar. 4, 1941. Class 45.

Pattison, William L., Kansas City, Mo. Gratings. 146,595; renewed Sept. 13, 1941.

Pearl, A. H. (See Birenbaum, Abe.)

Pedigree Fabrics Inc., New York, N. Y. Rayon and acetate fabrics in the piece. 387,395; May 13; Serial No. 439,125; published Mar. 4, 1941. Class 42.

Penaljo, Inc., St. Louis, Mo. Shoes. 387,381; May 13; Serial No. 438,899; published Mar. 4, 1941. Class 39.

Penick & Ford, Ltd., Incorporated, New York, N. Y. Table syrup. 387,396; May 13; Serial No. 439,126; published Mar. 4, 1941. Class 46.

Peninsular Paper Company, Ypsilanti, Mich. Printing, writing, cover, etc., paper. 146,836; renewed Sept. 20, 1941.

Perfeclite Company, The, Cleveland, Ohio. Electric lights and/or electric lighting fixtures. 387,318; May 13; Serial No. 436,436; published Feb. 18, 1941. Class 21.

Permorite Products Co. (See de Pencier, Elmer M.)

Perry, Osmond D., doing business as Perry Products Co., Los Angeles, Calif. Skin cream. 387,443; May 13. Class 6.

Pfeffer Rice Milling Company, Inc., Houston, Tex. Rice. 387,370–1; May 13; Serial Nos. 438,741–2; published Mar. 4, 1941. Class 46.

Phosphate Mining Company, The, New York, N. Y. Phosphoric acid, phosphate rock, superphosphate, etc. 387,351; May 13; Serial No. 438,448; published Mar. 4, 1941. Class 6.

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 387,308; May 13; Serial No. 433,307; published Aug. 27, 1940. Class 46.

Pittsburgh Coke & Iron Company, Neville Island, Pa. Chemicals, including sulphate of ammonia, salammoniac, etc. 387,325; May 13; Serial No. 437,145; published Feb. 25, 1941. Class 6.

Plough, Inc. (See Robinson, C. E.)

Poliack, Max, & Co., Inc., New York, N. Y. Sewing-threads. 146,842–5; renewed Sept. 20, 1941.

Quaker Oats Company, The. (See Aunt Jemima Mills Company.)

Radiart Corporation, The, East Cleveland, Ohio. Parts and equipment used for and in connection with radio receiving apparatus. 387,279; May 13; Serial No. 418,311; published Mar. 4, 1941. Class 21.

Rahans Household Products. (See Burhans, Ralph.)

Rauser, John G., doing business as Rauser Sausage Co., Grand Rapids, Mich. Sausage. 387,280; May 13; Serial No. 418,363; published Mar. 4, 1941. Class 46.

Rayon Corporation of America, Allentown, Pa. Polo shirts, under-shirts, gloves, etc. 387,284; May 13; Serial No. 426,541; published Mar. 4, 1941. Class 39.

Red-Bar Battery Company, Dayton, Ohio. Paints and paint products. 387,367; May 13; Serial No. 438,704; published Mar. 4, 1941. Class 16.

Relsman, Morris, New York, N. Y. Garters, suspenders, and belts. 387,340; May 13; Serial No. 438,154; published Mar. 4, 1941. Class 39.

Rella, Antone, doing business as Tony's Pesticide Company, Telluride, Colo. Preparation for the extermination of animal and plant bugs, lice, ticks, etc. 387,304; May 13; Serial No. 432,313; published Dec. 17, 1940. Class 6.

Reynolds Metals Company (See Conley Foil Company.)

Rich & France, Inc., Chicago, Ill. Brooms, clothes brushes, and whisk-brooms. 387,346; May 13; Serial No. 438,355; published Mar. 4, 1941. Class 29.

Richmond Radiator Company, New York, N. Y., to Richmond Radiator Company, Uniontown, Pa. Bathtubs, lavatories, and sinks. 142,729; renewed May 17, 1941.

Richmond Radiator Company, New York, N. Y., to Richmond Radiator Company, Uniontown, Pa. Non-electrical heating and cooking apparatus and accessories therefor. 142,730; renewed May 17, 1941.

Richmond Radiator Company, New York, N. Y., to Richmond Radiator Company, Uniontown, Pa. Electric vacuum-cleaners, stationary and portable. 144,459; renewed July 5, 1941.

Rivera Citrus Association, Rivera, Calif. Fresh citrus fruits. 387,404; May 13; Serial No. 439,239; published Mar. 4, 1941. Class 46.

Robinson, C. E., Cleveland, Ohio, assignor to Plough, Inc., Memphis, Tenn. Toothache kit. 387,387; May 13; Serial No. 439,026; published Mar. 4, 1941. Class 6.

Roe, A. V., & Co. Limited, London, England, to A. V. Roe & Co. Limited, Manchester, England. Motor-cars and accessories. 142,732; renewed May 17, 1941.

Roper, Gloria, doing business as Vernille Studios, Oakland, Calif. Cosmetics. 387,401; May 13; Serial No. 439,176; published Mar. 4, 1941. Class 6.

Roux Distributing Co., New York, N. Y. Wave setting lotion for the hair. 387,384; May 13; Serial No. 438,996; published Mar. 4, 1941. Class 6.

Rubenstein, Helena, Inc., New York, N. Y. Face powder and make-up lotion. 387,296; May 13; Serial No. 430,664; published June 18, 1940. Class 6.

S & Z Manufacturing Co., Chicago, Ill. Slips. 387,461; May 13. Class 39.

Sales Affiliates, Inc., New York, N. Y. Hair waving lotions. 387,412; May 13; Serial No. 439,494; published Feb. 25, 1941. Class 6.

Sandoz Chemical Works, Inc., New York, N. Y. Dyestuffs. 387,388; May 13; Serial No. 439,028; published Feb. 25, 1941. Class 6.

Schautz, William A., Inc., New York, N. Y. Bread. 387,359; May 13; Serial No. 438,587; published Mar. 4, 1941. Class 46.

Schelbner, Hugo, Los Angeles, Calif. Suits, dresses, capes, etc. 387,445; May 13. Class 39.
Schmeirson, L., & Sons, Inc., New York, N. Y. Chemises, slips, bloomers, etc. 387,411; May 13; Serial No. 439,420; published Mar. 4, 1940. Class 39.
Schoeneman, J., Incorporated. (See David, John, assignor.)
Scotsmoor Company, assignor to Scotsmoor Company, Inc., Johnstown, N. Y. Articles of clothing and linings for clothing. 144,274–5; renewed June 28, 1941.
Seeburg, J. P., Corporation, Chicago, Ill. Combination automatic record changing phonographs and recorders. 387,306; May 13; Serial No. 432,559; published Aug. 20, 1940. Class 36.
Shield Foods, Inc., Buffalo, N. Y. Canned salmon. 387,378; May 13; Serial No. 438,816; published Mar. 4, 1941. Class 46.
Shlansky, Philip, & Bro., Inc., New York, N. Y. Pile fabrics in the piece. 387,408; May 13; Serial No. 439,298; published Mar. 4, 1941. Class 42.
Shop of Steffin, Inc., The, New York, N. Y. Eau de cologne. 387,334; May 13; Serial No. 437,669; published Feb. 25, 1941. Class 6.
Skinner, William, & Sons, Holyoke, Mass. Jackets, caps, jumpers, etc. 387,383; May 13; Serial No. 438,961; published Mar. 4, 1941. Class 39.
Smit, J. K., & Sons, Inc., New York, N. Y. Copper alloy. 387,281; May 13; Serial No. 423,009; published Oct. 31, 1939. Class 14.
Smit, J. K., & Sons, Inc., New York, N. Y. Diamond core bits. 387,442; May 13. Class 23.
Smythe, Charles M., doing business as Kolor Kut Products Company, Houston, Tex. Material in the form of a paste used for determining the presence of water in gasoline, kerosene, etc. 387,415; May 13; Serial No. 439,606; published Feb. 25, 1941. Class 6.
Snap Towel Holder Manufacturing Company. (See Bermann, Salman.)
Societe Anonyme des Anciens Etablissements C. & E. Chapal Freres & Cie. (See C. & E. Chapal Freres & Cie., Inc., assignor.)
Societe Anonyme des Anciens Etablissements A. Combe & Fils & Cie, Paris, France. Leathers and skins. 142,334; renewed May 10, 1941.
Solash, Max. Linden, N. J. Hats. 387,431; May 13. Class 39.
Solid Gas Corporation, The, San Francisco, Calif. Dry ice. 387,435; May 13. Class 1.
Somma, Andrew, Miami Beach, Fla. Steak sauce. 387,299; May 13; Serial No. 430,932; published Mar. 4, 1941. Class 46.
Southern Kraft Corporation. (See Continental Paper Bag Co., assignor.)
Speedaumatic Company, The, Chicago, Ill., assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio. Folding-machines, wrapping-machines, mailing-machines, etc. 144,061; renewed June 21, 1941.
Standard Milling Company, New York, N. Y. Wheat flour and self-rising flour. 387,446; May 13. Class 46.
Standard Oil Development Company, Linden, N. J. Chemical additive for use in the manufacture of lubricants and cutting oils. 387,385; May 13; Serial No. 439,001; published Feb. 25, 1941. Class 6.
Stenchever's, Inc., Paterson, N. J. Shoes. 387,337; May 13; Serial No. 437,839; published Mar. 4, 1941. Class 39.
Stern, Merritt Co., Inc., New York, N. Y. Neckties. 387,349; May 13; Serial No. 438,408; published Mar. 4, 1941. Class 39.
Sykes Laboratories, Inc., Garfield, N. J. Medicine used in the treatment of coughs and colds. 387,331; May 13; Serial No. 437,607; published Feb. 25, 1941. Class 6.
Tailored Silk Undergarment Co. Inc., New York, N. Y. Slips and nightgowns. 387,390; May 13; Serial No. 439,038; published Mar. 4, 1941. Class 39.
Tesoro, Salvatore F., doing business as S. F. Tesoro & Co., Chicago, Ill. Medicinal preparations. 387,434; May 13. Class 6.
Tesoro, Salvatore F., doing business as Tesoro Brand Products Co., Chicago, Ill. Effervescent citrate preparation, etc. 387,466; May 13. Class 6.
Tide Water Associated Oil Company. (See Associated Oil Company, assignor.)
Tipstik Cosmetics. (See Ever-Dry Corporation.)
Tony's Pesticide Company. (See Rella, Antone.)
Uneeda Credit Clothing Stores, Inc., assignor to Uneeda-National, Inc., Brooklyn, N. Y. Time keeping devices. 387,453; May 13. Class 27.
U. S. Manufacturing Corporation, Decatur, Ill. Base metal dishes. 387,428; May 13. Class 13.
United States Gutta Percha Paint Company, Providence, R. I. Paints. 387,309; May 13; Serial No. 434,620; published Sept. 24, 1940. Class 16.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 387,422–3–4; May 13; Serial Nos. 439,846–8; published Mar. 4, 1941. Class 6.
Vernilie Studios. (See Roper, Gloria.)
Waples-Platter Grocer Company, Dennison, Tex., to Waples Platter Company, Fort Worth, Tex., by change of name. Coffee. 146,016; renewed Aug. 23, 1941.
Ward, Elmer L., Cincinnati, Ohio. Mouthwash, dentifrice, and a breath deodorant. 387,448; May 13. Class 6.
Warwick Chemical Company, West Warwick, R. I. Chemical products used for the dyeing and finishing of all fibres, yarns, etc. 387,356; May 13; Serial No. 438,519; published Mar. 4, 1941. Class 6.
Washington Manufacturing Company, Nashville, Tenn. Overall suits. 387,338; May 13; Serial No. 437,981; published Mar. 4, 1941. Class 39.
Webb Packing Company, The, Salisbury, Md. Hams, bacon, scrapple, etc. 387,311; May 13; Serial No. 435,264; published Jan. 21, 1941. Class 46.
Wells-Lamont-Smith Corporation, Chicago, Ill. Work gloves of fabric. 387,394; May 13; Serial No. 439,085; published Mar. 4, 1941. Class 39.
Western Cartridge Company, assignor to Western Cartridge Company, East Alton, Ill. Blasting supplies, ammunition and accessories. 142,347; renewed May 10, 1941.
Western Chemical Company, St. Joseph, Mo. Disinfectants and deodorants. 387,291; May 13; Serial No. 428,410; published Apr. 23, 1940. Class 6.
Winston and Newell Company, Minneapolis, Minn. Salad dressing, sandwich spread and egg noodles. 387,365; May 13; Serial No. 438,676; published Mar. 4, 1941. Class 46.
Winston, Frank T., doing business as Winston Steel & Tube Company, Warren, Ohio. Electrical appliances. 387,288; May 13; Serial No. 427,606; published Mar. 4, 1941. Class 21.
Zucker, Goldie, doing business as The Exertone Company, assignor to Exertone, Inc., Los Angeles, Calif. Weight reducing machines. 387,300; May 13; Serial No. 431,508; published July 2, 1940. Class 44.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Barytes, Ground. Magnet Cove Barium Corporation. 387,312; May 13; Serial No. 435,658; published Mar. 4, 1941.
Calcium sulphate in bulk. Calcibrite Corporation. 387,342; May 13; Serial No. 438,299; published Mar. 4, 1941.
Coal. Iroquois Coal Company. 387,324; May 13; Serial No. 437,135; published Mar. 4, 1941.
Ice, Dry. Solid Gas Corporation. 387,435; May 13.
Leathers and skins. Societe Anonyme des Anciens Etablissements A. Combe & Fils & Cie. 142,334; renewed May 10, 1941.
Skins of animals. C. & E. Chapal Freres & Cie., Inc. 142,467; renewed May 17, 1941.

CLASS 2

Sacks or bags made of paper. Continental Paper Bag Co. 141,905; renewed May 3, 1941.
Silos and blocks and stones used in the manufacture of silos. Independent Silo Co. 387,418; May 13; Serial No. 439,753; published Mar. 4, 1941.
Tanks for controlling the vapor pressure in gasoline storage tanks, Vapor reservoir. Graver Tank Mfg. Co. 387,307; May 13; Serial No. 432,819; published Mar. 4, 1941.

CLASS 3

Harness and saddlery, Accessories for. North & Judd Manufacturing Company. 387,376; May 13; Serial No. 438,774; published Mar. 4, 1941.

CLASS 4

Cleaner, Upholstery. E. M. De Pencier. 387,380; May 13; Serial No. 438,871; published Mar. 4, 1941.
Soap. Andrew Jergens Company. 145,314; renewed Aug. 2, 1941.
Soap. Manhattan Soap Company. 387,100; May 13; Serial No. 439,164; published Mar. 4, 1941.
Soaps. Embalmers' Supply Company. 387,282; May 13; Serial No. 426,088; published Mar. 4, 1941.

CLASS 5

Gummed cloth and sisal tape. Mid-States Gummed Paper Co. 387,421; May 13; Serial No. 439,822; published Mar. 4, 1941.

CLASS 6

Agent used in the wet processing of textile fabrics, Penetrating and leveling. Arkansas Company. 387,393; May 13; Serial No. 439,066; published Feb. 25, 1941.
Chemical additive for use in the manufacture of lubricants and cutting oils. Standard Oil Development Company. 387,385; May 13; Serial No. 439,001; published Feb. 25, 1941.
Chemical preparation. Arkansas Company. 387,391–2; May 13; Serial Nos. 439,063–4; published Feb. 25, 1941.
Chemical products. Warwick Chemical Company. 387,356; May 13; Serial No. 438,519; published Mar. 4, 1941.

Chemicals, including sulphate of ammonia, salammoniac, etc. Pittsburgh Coke & Iron Company. 387,325; May 13; Serial No. 437,145; published Feb. 25, 1941.
Chemicals, used in impregnating materials, Prepared. No-Flame Chemical Corporation. 387,462; May 13.
Citrate preparation, etc. S. F. Tesoro. 387,466; May 13.
Cleaners, being chemical preparations, Lubricating oil. American Sand-Banum Company. 387,339; May 13; Serial No. 438,104; published Mar. 4, 1941.
Cologne, powder base, liquid cleanser and freshener, etc. Bridal-Pac, Inc. 387,313; May 13; Serial No. 435,676; published Mar. 4, 1941.
Compound for bleaching felt hats and a compound for sizing felts, and the like. G. George. 387,460; May 13.
Compound for fortifying soft drinks with vitamin B-1. W. B. McDowell. 387,416; May 13; Serial No. 439,661; published Mar. 4, 1941.
Cosmetics. G. Roper. 387,401; May 13; Serial No. 439,176; published Mar. 4, 1941.
Cream, Dental. L. Charlamb. 387,335; May 13; Serial No. 437,673; published Feb. 25, 1941.
Cream, perfume, cold cream, etc., Hand. S. Kleinkramer. 387,409–10; May 13; Serial Nos. 439,412–13; published Mar. 4, 1941.
Disinfectants and deodorants. Western Chemical Company. 387,291; May 13; Serial No. 428,410; published Apr. 23, 1940.
Drug product. Mead Johnson & Company. 387,310; May 13; Serial No. 435,133; published Mar. 4, 1941.
Dyestuffs. Sandoz Chemical Works, Inc. 387,388; May 13; Serial No. 439,028; published Feb. 25, 1941.
Eau de cologne. Shop of Steffin, Inc. 387,334; May 13; Serial No. 437,669; published Feb. 25, 1941.
Emulsifying, dispersing, wetting, penetrating, and water-binding agents. Aktieselskabet Grindstedvaerket. 387,289; May 13; Serial No. 428,277; published Mar. 4, 1941.
Eucalyptus-Oil. J. Bosisto & Co. Proprietary Limited. 145,613; renewed Aug. 16, 1941.
Finishes and assistants, Textile. American Aniline Products, Inc. 387,352; May 13; Serial No. 438,464; published Feb. 25, 1941.
Glycerine. Colgate-Palmolive-Peet Company. 387,413; May 13; Serial No. 439,536; published Feb. 25, 1941.
Insecticides. A. D. Chapman & Company. 387,285–6; May 13; Serial Nos. 427,067–8; published Feb. 25, 1941.
Lipsticks. Charles of the Ritz, Inc. 387,417; May 13; Serial No. 439,750; published Mar. 4, 1941.
Lipsticks and lip rouge. Ever-Dry Corporation. 387,406; May 13; Serial No. 439,271; published Mar. 4, 1941.
Lipsticks, lip rouges, and face rouges. G. Monteil Cosmetiques Corporation. 387,414; May 13; Serial No. 439,592; published Feb. 25, 1941.
Lotion for eradicating skin wrinkles. W. H. Kunsman. 387,343; May 13; Serial No. 438,311; published Feb. 25, 1941.
Lotion for the hair, Wave setting. Roux Distributing Co. 387,384; May 13; Serial No. 438,996; published Mar. 4, 1941.
Lotions, Hair waving. Sales Affiliates, Inc. 387,412; May 13; Serial No. 439,494; published Feb. 25, 1941.
Material in the form of a paste used in determining the presence of water in gasoline, oil, etc. C. M. Smythe. 387,415; May 13; Serial No. 439,606; published Feb. 25, 1941.
Medicinal preparation. Upjohn Company. 387,422–4; May 13; Serial Nos. 439,846–8; published Mar. 4, 1941.
Medicinal preparation of homogenized vitamins A, B_1, B_2, C, and D. Eli Lilly and Company. 387,419; May 13; Serial No. 439,816; published Mar. 4, 1941.
Medicinal preparation of pan-vitamins containing vitamins A, B_1, B_2 (G), B_6, C, D, nicotinamide, and pantothenic acid. Eli Lilly Company. 387,420; May 13; Serial No. 439,817; published Mar. 4, 1941.
Medicinal preparations. S. F. Tesoro. 387,434; May 13.
Medicine used in the treatment of coughs and colds. Sykes Laboratories, Inc. 387,331; May 13; Serial No. 437,607; published Feb. 25, 1941.
Mouthwash, dentifrice, and a breath deodorant. E. L. Ward. 387,448; May 13.
Perfume. Lucien Lelong, Inc. 387,457; May 13.
Perfumes and cosmetic creams. Lentheric, Incorporated. 387,314; May 13; Serial No. 435,855; published Feb. 25, 1941.
Perfumes, toilet waters. Parfums Corday, Inc. 387,317; May 13; Serial No. 436,319; published Mar. 4, 1941.
Pharmaceutical preparation. F. X. Crockenberg. 387,465; May 13.
Phosphoric acid, phosphate rock, superphosphate, etc. Phosphate Mining Company. 387,351; May 13; Serial No. 438,448; published Mar. 4, 1941.
Pomade, Hair. Newbro Manufacturing Company. 146,824; renewed Sept. 20, 1941.
Powder and make-up lotion, Face. Helena Rubenstein, Inc. 387,296; May 13; Serial No. 430,664; published June 18, 1940.
Preparation for the extermination of animal and plant bugs, lice, ticks, etc. A. Rella. 387,304; May 13; Serial No. 432,313; published Dec. 17, 1940.
Preparation used in the bath having water softening and skin beautifying properties. Hylo Company. 387,283; May 13; Serial No. 426,258; published Feb. 25, 1941.
Salve, Medicated. G. H. Hyland. 140,840; renewed Mar. 29, 1941.
Skin cream. O. D. Perry. 387,443; May 13.
Sterilizer, deodorizer, and cleanser, Chemical. Abbott Laboratories. 145,589; renewed Aug. 16, 1941.
Surgical dressing in semi-gelatinous form, Analgesic antiseptic, non-irritating. F. M. Hull, M. D. 387,348; May 13; Serial No. 438,302; published Feb. 25, 1941.
Tanning extract, Synthetic. Barrett Company. 143,548; renewed June 7, 1941.
Toothache kit. C. E. Robinson. 387,387; May 13; Serial No. 439,026; published Mar. 4, 1941.

CLASS 9

Blasting supplies, ammunition and accessories. Western Cartridge Company. 142,347; renewed May 10, 1941.

CLASS 12

Gratings. Pattison, William L. 146,595; renewed Sept. 13, 1941.
Woodwork. Huttig Manufacturing Co. 387,297–8; May 13; Serial Nos. 430,736–7; published July 9, 1940.

CLASS 13

Bathtubs, lavatories, and sinks. Richmond Radiator Company. 142,729; renewed May 17, 1941.
Dishes, Base metal. U. S. Manufacturing Corporation. 387,428; May 13.
Holders, Towel. S. Berman. 387,323; May 13; Serial No. 437,116; published Mar. 4, 1941.
Hooks, Vacuum. Majestic Handle Company. 387,287; May 13; Serial No. 427,081; published Mar. 4, 1941.

CLASS 14

Copper alloy. J. K. Smit & Sons, Inc. 387,281; May 13; Serial No. 423,009; published Oct. 31, 1939.
Sheets, Metallic. Conley Foil Company. 144,734; renewed July 19, 1941.

CLASS 15

Lubricants consisting of oils and greases. Associated Oil Company. 143,278; renewed May 31, 1941.

CLASS 16

Paint or enamel coating, Waterproofing and protective. Inertol Company. 387,353–4; May 13; Serial Nos. 438,482–3; published Mar. 4, 1941.
Paints. United States Gutta Percha Paint Company. 387,309; May 13; Serial No. 434,620; published Sept. 24, 1940.
Paints and paint products. Red-Bar Battery Company. 387,367; May 13; Serial No. 438,704; published Mar. 4, 1941.
Wax preparation having preservative and polishing properties. R. Burhans. 387,463; May 13.

CLASS 17

Cigarettes. American Tobacco Company. 142,423; renewed May 17, 1941.
Tobacco. American Tobacco Company. 146,164; renewed Sept. 6, 1941.
Tobacco, Smoking and chewing. American Tobacco Company. 142,424–8; renewed May 17, 1941.

CLASS 19

Motor-cars and accessories. A. V. Roe & Co. Limited. 142,732; renewed May 17, 1941.

CLASS 21

Electrical appliances. F. T. Winston. 387,288; May 13.
Electric lights and/or electric lighting fixtures. Perfectlite Company. 387,318; May 13; Serial No. 436,436; published Feb. 18, 1941.
Magno-generators, electric switches, and electric contact devices. Electric Tachometer Corporation. 146,568; renewed Sept. 13, 1941.
Microphone accessories for stringed musical instruments. H. De Armond. 387,456; May 13.
Parts and equipment used for and in connection with radio receiving apparatus. Radiart Corporation. 387,279; May 13; Serial No. 418,311; published Mar. 4, 1941.
Vacuum-cleaners, stationary and portable, Electric. Richmond Radiator Company. 144,459; renewed July 5, 1941.

CLASS 22

Fish lures. E. Bauer. 387,449; May 13.
Fish lures. James Heddon's Sons. 387,464; May 13.
Fishing reels. Enterprise Manufacturing Company. 387,426; May 13; Serial No. 439,931; published Mar. 4, 1941.
Punch boards. R. F. Conway. 387,274; May 13; Serial No. 399,747; published Mar. 4, 1941.
Punch boards. R. F. Conway. 387,275; May 13; Serial No. 399,749; published Mar. 4, 1941.

CLASS 23

Bits, Diamond core. J. K. Smit & Sons, Inc. 387,442; May 13.
Folding-machines, wrapping-machines, addressing-machines, etc. Speedaumatic Company. 144,061; renewed June 21, 1941.
Loom supplies. E. H. Jacobs Manufacturing Co. 387,436; May 13.

Machine of the milling machine type. Monomelt Co. 387,433; May 13.
Textile machinery. E. H. Jacobs Manufacturing Co. 387,430; May 13.

CLASS 27

Time keeping devices. Uneeda Credit Clothing Stores, Inc. 387,453; May 13.

CLASS 29

Brooms, clothes brushes, and whiskbrooms. Rich & France, Inc. 387,346; May 13; Serial No. 438,355; published Mar. 4, 1941.

CLASS 32

Couches, lounges, cots, etc. Barcalo Manufacturing Company. 387,427; May 13; Serial No. 439,990; published Mar. 4, 1941.
Furniture, Wooden and upholstered. Grand Rapids Furniture Makers Guild. 387,425; May 13; Serial No. 439,867; published Mar. 4, 1941.

CLASS 34

Heaters, Oil space. Guiberson Oil Heater Co. 387,369; May 13; Serial No. 438,733; published Mar. 4, 1941.
Heating and cooking apparatus and accessories therefor, Non-electrical. Richmond Radiator Company. 142,730; renewed May 17, 1941.

CLASS 35

Rubber packing. Jenkins Bros. 140,847; renewed Mar. 29, 1941.

CLASS 36

Phonographs and recorders, Combination, automatic record changing. J. P. Seeburg Corporation. 387,306; May 13; Serial No. 432,559; published Aug. 20, 1940.

CLASS 37

Card papers and papers for papertrie, Greeting. Eastern Corporation. 387,330; May 13; Serial No. 437,408; published Jan. 14, 1941.
Paper, Book. Kimberly-Clark Corporation. 387,357; May 13; Serial No. 438,573; published Mar. 4, 1941.
Paper, "Mimeograph," bristol, wrapping. Hawley Pulp and Paper Company. 387,382; May 13; Serial No. 438,944; published Mar. 4, 1941.
Paper, Printing, writing, cover, etc. Peninsular Paper Company. 146,836; renewed Sept. 20, 1941.
Paper sheets for display purposes, Background. Keasbey & Mattison Company. 387,292; May 13; Serial No. 428,693; published Mar. 4, 1941.
Paper, Wrapping, envelope, waterproofing, etc. Albemarle Paper Manufacturing Co. 387,444; May 13.
Tissue paper. Graham Paper Company. 387,458; May 13.
Wrappers, commodity. Milprint, Inc. 387,303; May 13; Serial No. 431,870; published Feb. 4, 1941.

CLASS 39

Aprons, dresses, and uniforms for service. V. F. Fulton. 387,373; May 13; Serial No. 438,761; published Mar. 4, 1941.
Articles of clothing and lining for clothing. Scotsmoor Company. 144,274–5; renewed June 28, 1941.
Blouses, dresses, slack suits, etc. H. J. Axler & Sons. 387,319; May 13; Serial No. 436,559; published Mar. 4, 1941.
Blouses, sweaters, dresses, etc. Bonwit Teller, Inc. 387,438; May 13.
Boots and shoes. Florsheim Shoe Company. 146,737; renewed Sept. 20, 1941.
Boots, shoes, and slippers. D. Palter. 387,377; May 13; Serial No. 438,813; published Mar. 4, 1941.
Chemises, slips, bloomers, etc. I. Schneierson & Sons, Inc. 387,411; May 13; Serial No. 439,420; published Mar. 4, 1940.
Dresses. S. Grossman. 387,437; May 13.
Dresses. Meadowbrook Sportswear, Inc. 387,358; May 13; Serial No. 438,576; published Mar. 4, 1941.
Dresses, blouses, skirts, and jackets. Mayflower Dress Co. 387,360; May 13; Serial No. 438,623; published Mar. 4, 1941.
Garters, suspenders, belts. M. Reisman. 387,340; May 13; Serial No. 438,154; published Mar. 4, 1941.
Gloves of fabric, Work. Wells-Lamont-Smith Corporation. 387,394; May 13; Serial No. 439,085; published Mar. 4, 1941.
Handkerchiefs. Hudson Handkerchief Co. 387,451; May 13.
Hats. Capson Hat Company. 387,341; May 13; Serial No. 438,235; published Mar. 4, 1941.
Hats. M. Solash. 387,431; May 13.
Hosiery. Berkshire Knitting Mills. 387,441; May 13.
Hosiery. Friedman Hosiery Corp. 387,399; May 13; Serial No. 439,160; published Mar. 4, 1941.
Jackets, caps, jumpers, etc. William Skinner & Sons. 387,383; May 13; Serial No. 438,901; published Mar. 4, 1941.
Neckties. Stern, Merritt Co. 387,349; May 13; Serial No. 438,408; published Mar. 4, 1941.
Pajamas, men's sport shirts, etc., Women's and men's. Maison Blanche Company. 387,278; May 13; Serial No. 413,766; published Mar. 7, 1939.
Panties, step-ins, vests, etc. Krumholz & Lichtblau. 387,316; May 13; Serial No. 435,941; published Mar. 4, 1941.
Shirts, pants, and overalls. Fisher Brothers. 142,530; renewed May 17, 1941.
Shirts, under-shirts, gloves, etc., Polo. Rayon Corporation of America. 387,284; May 13; Serial No. 426,541; published Mar. 4, 1941.
Shoes. Bancroft Walker Company. 387,368; May 13; Serial No. 438,718; published Mar. 4, 1941.
Shoes. A. Birenbaum. 387,327; May 13; Serial No. 437,236; published Mar. 4, 1941.
Shoes. J. Edwards & Co. 146,730; renewed Sept. 20, 1941.
Shoes. Penaljo, Ins. 387,381; May 13; Serial No. 438,809; published Mar. 4, 1941.
Shoes. Stenchever's, Inc. 387,337; May 13; Serial No. 437,839; published Mar. 4, 1941.
Shoes and slippers. Daniel Green Company. 387,345; May 13; Serial No. 438,334; published Mar. 4, 1941.
Slips. Lady Ester Lingerie Corporation. 387,455; May 13.
Slips. S & Z Manufacturing Co. 387,461; May 13.
Slips and nightgowns. Tailored Silk Undergarment Co. Inc. 387,390; May 13; Serial No. 439,058; published Mar. 4, 1941.
Socks, dress shirts, negligee shirts, etc. John David, Inc. 387,295; May 13; Serial No. 429,516; published Jan. 14, 1941.
Stockings and bathing suits. Impex, Inc. 387,389; May 13; Serial No. 439,047; published Mar. 4, 1941.
Suits. Marshall Field & Company. 387,454; May 13.
Suits, dresses, capes, etc. H. Scheibner. 387,445; May 13.
Suits, Men's. Joseph & Feiss Company. 387,277; May 13; Serial No. 413,715; published Jan. 9, 1940.
Suits, Overall. Washington Manufacturing Company. 387,338; May 13; Serial No. 437,981; published Mar. 4, 1941.
Suits, overcoats, topcoats, etc. Moe Levy & Son, Inc. 387,344; May 13; Serial No. 438,312; published Mar. 4, 1941.
Sweaters. Jantzen Knitting Mills. 387,452; May 13.
Topcoats and overcoats. Levy Bros. & Adler Rochester, Inc. 387,459; May 13.
Underwear and dresses. Dutchess Underwear Corporation. 387,429; May 13.
Underwear, Infant's. Malone Knitting Company. 387,450; May 13.

CLASS 40

Bead cords. Beam Manufacturing Company. 387,355; May 13; Serial No. 438,499; published Mar. 4, 1941.

CLASS 42

Cotton sheetings, shirtings, and drills. Henrietta Mills. 20,147; re-renewed Sept. 15, 1941.
Piece goods. American Bemberg Corporation. 387,402; May 13; Serial No. 439,216; published Mar. 4, 1941.
Piece goods. American Bemberg Corporation. 387,405; May 13; Serial No. 439,204; published Feb. 25, 1941.
Piece goods. Heirloom Needlework Guild, Inc. 387,328; May 13; Serial No. 437,338; published Mar. 4, 1941.
Piece goods. Marvlo Mills, Inc. 387,407; May 13; Serial No. 439,291; published Mar. 4, 1941.
Pile fabrics in the piece. Philip Shlansky & Bro., Inc. 387,408; May 13; Serial No. 439,298; published Mar. 4, 1941.
Rayon and acetate fabrics in the piece. Pedigree Fabrics Inc. 387,395; May 13; Serial No. 439,125; published Mar. 4, 1941.
Sheets and pillow cases. Erwin Cotton Mills Company. 387,347; May 13; Serial No. 438,384; published Mar. 4, 1941.
Tablecloths and napkins. New York Merchandise Co. Inc. 387,375; May 13; Serial No. 438,773; published Mar. 4, 1941.
Textile fabrics, Treated. Copeman Laboratories Company. 387,276; May 13; Serial No. 407,131; published Mar. 4, 1941.
Worsted and woolens both in the piece. Montrose Worsted Company. 146,299; renewed Sept. 6, 1941.

CLASS 43

Threads, Sewing. Max Pollack & Co. 140,842–5; renewed Sept. 20, 1941.

CLASS 44

Container for false teeth and removable dental bridges, Sanitary. M. Hague. 387,332; May 13; Serial No. 437,621; published Mar. 4, 1941.
Wave pads, Permanent. National Mineral Company. 387,439; May 13.
Weight reducing machines. G. Zucker. 387,300; May 13; Serial No. 431,508; published July 2, 1940.

CLASS 45

Beverage. Canada Dry Ginger Ale, Incorporated. 387,333; May 13; Serial No. 437,043; published Mar. 4, 1941.
Beverages. Consolidated Beverages, Inc. 387,386; May 13; Serial No. 439,014; published Mar. 4, 1941.

Beverages and extracts, Nonalcoholic, maltless. George M. Paris & Company. 387,326; May 13; Serial No. 437,217; published Mar. 4, 1941.

CLASS 46

Bread. G. O. Kolb. 143,659; renewed June 7, 1941.
Bread. W. A. Schautz, Inc. 387,359; May 13; Serial No. 438,587; published Mar. 4, 1941.
Butter. Geo. Ehlenberger & Co. 387,362; May 13; Serial No. 438,647; published Mar. 4, 1941.
Canned and packaged dog food. General Laboratories, Inc. 387,363; May 13; Serial No. 438,650; published Mar. 4, 1941.
Canned fruits, vegetables, and apple sauce. W. N. Clark Company. 387,320; May 13; Serial No. 436,713; published Mar. 4, 1941.
Canned salmon. Shield Foods, Inc. 387,378; May 13; Serial No. 438,816; published Mar. 4, 1941.
Canned shrimp. McPhillips Packing Corporation. 387,294; May 13; Serial No. 429,483; published Feb. 25, 1941.
Canned shrimp. McPhillips Packing Corporation. 387,440; May 13.
Canned vegetables, canned fruits, etc. Mid City Wholesale Grocers, Inc. 387,361; May 13; Serial No. 438,024; published Mar. 4, 1941.
Canned vegetable juices for food purposes. Barron-Gray Packing Company. 387,360; May 13; Serial No. 438,079; published Mar. 4, 1941.
Chili con carne and beef broth. Chicago Food Products Co. 387,329; May 13; Serial No. 437,404; published Mar. 4, 1941.
Coffee. M. M. Boyd. 387,290; May 13; Serial No. 428,299; published Mar. 4, 1941.
Coffee. Merryweather Coffee, Tea & Spice Co. 141,413; renewed Apr. 19, 1941.
Coffee. Waples-Platter Grocer Company. 146,016; renewed Aug. 23, 1941.
Coffee, tea, spices, extracts, etc. Farmer Bros. Co. 387,305; May 13; Serial No. 432,341; published Mar. 4, 1941.
Feeds, Livestock and dairy. Dixie Mills Company. 387,301; May 13; Serial No. 431,851; published Mar. 4, 1941.
Feeds, Poultry. Dixie Mills Company. 387,302; May 13; Serial No. 431,853; published Mar. 4, 1931.
Flour. General Mills, Inc. 387,374; May 13; Serial No. 438,764; published Mar. 4, 1941.
Flour, Pancake. Colorado Milling & Elevator Co. 387,397; May 13; Serial No. 439,146; published Mar. 4, 1941.
Flour, Wheat. Pillsbury Flour Mills Company. 387,308; May 13; Serial No. 433,307; published Aug. 27, 1940.
Flour, Wheat and self-rising. Standard Milling Company. 387,446; May 13.
Food ingredient to make bread, Patented. Campbell Baking Company. 146,962; renewed Sept. 27, 1941.
Food products, Prepared. Nordic Baking and Importing Company. 387,322; May 13; Serial No. 437,099; published Mar. 4, 1941.
Foods. W. H. Dyer Company. 141,930; renewed May 3, 1941.
Fruits and vegetables. R. Kalich. 387,321; May 13; Serial No. 436,972; published Mar. 4, 1941.
Fruits, Fresh citrus. Rivera Citrus Association. 387,404; May 13; Serial No. 439,239; published Mar. 4, 1941.
Hams, bacon, scrapple, etc. Webb Packing Company. 387,311; May 13; Serial No. 435,264; published Jan. 21, 1941.
Ice-cream. Anheuser-Busch, Incorporated. 143,535; renewed June 7, 1941.
Ice cream. Borden Company. 387,403; May 13; Serial No. 439,220; published Mar. 4, 1941.
Licorice confections. John Mueller Licorice Company. 146,821; renewed Sept. 20, 1941.
Malt-sugar syrup for food purposes. Anheuser-Busch, Incorporated. 143,533–4; renewed June 7, 1941.
Oils, Cooking and salad. Aunt Jemima Mills Company. 146,681; renewed Sept. 20, 1941.
Popcorn confection. Cracker Jack Co. 387,293; May 13; Serial No. 429,093; published Apr. 16, 1940.
Potato chips. Famous Foods, Inc. 387,398; May 13; Serial No. 439,156; published Mar. 4, 1941.
Preparation for use as an ingredient to add zest and flavor to foods, Compound. Coffee Products of America, Inc. Ltd. 387,315; May 13; Serial No. 435,931; published Mar. 4, 1941.
Purees of fruits and berries, Frozen seedless. Frosted Fruit Products. 387,432; May 13.
Rice. Pfeffer Rice Milling Company. 387,370–1; May 13; Serial Nos. 438,741–2; published Mar. 4, 1941.
Salad dressing, sandwich spread and egg noodles. Winston and Newell Company. 387,365; May 13; Serial No. 438,676; published Mar. 4, 1941.
Sauce, Steak. A. Somma. 387,299; May 13; Serial No. 430,932; published Mar. 4, 1941.
Sausage. J. G. Rauser. 387,280; May 13; Serial No. 418,363; published Mar. 4, 1941.
Syrup for table purposes. J. L. Klein. 142,659; renewed May 17, 1941.
Syrup, Table. Penick & Ford, Ltd. Incorporated. 387,396; May 13; Serial No. 439,126; published Mar. 4, 1941.
Turkeys, Dressed. Omaha Cold Storage Company. 387,350; May 13; Serial No. 438,445; published Mar. 4, 1941.
Vegetables, fruits, etc., Fresh. J. Nakamura. 387,364; May 13; Serial No. 438,662; published Mar. 4, 1941.

CLASS 48

Ale. Bavarian Brewing Co. 387,379; May 13; Serial No. 438,859; published Mar. 4, 1941.

CLASS 50

Cut-outs, Decorative. Oilcraft Company. 387,336; May 13; Serial No. 437,799; published Mar. 4, 1941.
Holders for nursing bottles. Baby Aids, Inc. 387,372; May 13; Serial No. 438,753; published Mar. 4, 1941.
Necktie receptacles having necktie racks therein. Heinrich Hermann & Weiss, Inc. 387,447; May 13.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF MAY, 1941

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Cabell, Charles A. (See Cherry, Oscar A., and Cabell.)

Cherry, Oscar A., Chicago, Ill., and C. A. Cabell, Washington, D. C., assignors to Economy Fuse & Manufacturing Company, Chicago, Ill. Transparent laminated product and process of preparing same. Re. 21,796; May 13.

Curtiss-Wright Corporation. (See Page, George A., Jr., assignor.)

Eaton Manufacturing Company. (See Russell, Robert C., assignor.)

Economy Fuse & Manufacturing Company. (See Cherry, Oscar A., and Cabell, assignors.)

Held, Milbert W. (See Judell, J. S., and Held.)

Jakosky, John J., Los Angeles, Calif., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Method and apparatus for alternating-current investigation of uncased drill holes. Re. 21,797; May 13.

Johnston, Douglas, Shelbyville, Ill. Hydraulic motor. Re. 21,798; May 13.

Judell, Julius S., Shorewood, and M. W. Held, Whitefish Bay, assignors to Milwaukee Flush Valve Company, Milwaukee, Wis. Spray head. Re. 21,799; May 13.

Kahn, Lewis I., Brooklyn, N. Y. Venetian blind. Re. 21,800; May 13.

Milwaukee Flush Valve Company. (See Judell, J. S., and Held, assignors.)

Page, George A., Jr., Creve Coeur, Mo., assignor to Curtiss-Wright Corporation. Pressure fuselage. Re. 21,801; May 13.

Russell, Robert C., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve operating mechanism. Re. 21,802; May 13.

Schlumberger Well Surveying Corporation. (See Jakosky, John J., assignor.)

Terry, Trent B., Charlottesville, Va. Negligee pants. Re. 21,803; May 13.

LIST OF DESIGN PATENTEES

Aray Manufacturing & Supply Corp. (See Mayer, Alvin B., assignor.)

Atkins, Benjamin L., Miami, Fla. Necklace or the like. 127,186; May 13.

Avon Sole Company. (See Cary, William H., assignor.)

Bahr, Gustave F., assignor to Casco Products Corporation, Bridgeport, Conn. Fan blade. 127,167; May 13.

Barrack, Rose, New York, N. Y. Dress ensemble. 127,148; May 13.

Barrack, Rose, New York, N. Y. Dress ensemble. 127,149; May 13.

Bass, William, New York, N. Y. Dress ensemble. 127,150; May 13.

Bass, William, New York, N. Y. Dress ensemble. 127,151; May 13.

Bass, William, New York, N. Y. Dress ensemble. 127,152; May 13.

Bayor, Helen, New York, N. Y. Dress. 127,123; May 13.

Belspel, Herman, New York, N. Y. Ensemble dress or similar article. 127,153; May 13.

Borek, Irving, and M. H. Meyer, New York, N. Y. Brooch or similar article. 127,105; May 13.

Boyle, Mary, St. Louis, Mo. Skirt and jacket ensemble. 127,247; May 13.

Calderazzo, Dominick J., Dolgeville, N. Y. Shoe or similar article. 127,106; May 13.

Carbotti, Marie, New York, N. Y. Dress. 127,124; May 13.

Carbotti, Marie, New York, N. Y. Dress. 127,125; May 13.

Carbotti, Marie, New York, N. Y. Dress. 127,126; May 13.

Carbotti, Marie, New York, N. Y. Dress. 127,127; May 13.

Carbotti, Marie, New York, N. Y. Dress. 127,238; May 13.

Carbotti, Marie, New York, N. Y. Dress. 127,248; May 13.

Carbotti, Marie, New York, N. Y. Dress. 127,249; May 13.

Carbotti, Marie, New York, N. Y. Dress. 127,250; May 13.

Cartier, Inc. (See Foret, Edmond, assignor.)

Cary, William H., assignor to Avon Sole Company, Brockton, Mass. Shoe heel. 127,204; May 13.

Carlson, Charles W., Pittsburgh, Pa. Goblet or similar article. 127,154; May 13.

Casco Products Corporation. See Bahr, Gustave F., assignor.)

Cashin, Bonnie, New York, N. Y. Dress. 127,239; May 13.

Cashin, Bonnie, New York, N. Y. Dress ensemble. 127,240; May 13.

Cashin, Bonnie, New York, N. Y. Dress. 127,241; May 13.

Cashin, Bonnie, New York, N. Y. Dress. 127,251; May 13.

Cashin, Bonnie, New York, N. Y. Dress ensemble. 127,252; May 13.

Cashin, Bonnie, New York, N. Y. Dress. 127,253; May 13.

Cashin, Bonnie, New York, N. Y. Dress. 127,254; May 13.

Castedello, William. (See Schwartz, M., and Castedello.)

Century Lighting, Inc. (See Levy, Joseph, assignor.)

Clark, Heber H., San Diego, Calif. Game board. 127,168; May 13.

Cole, Arthur, Rye, N. Y. Dress ensemble. 127,242; May 13.

Creed, Ida M., San Francisco, Calif. Baby's chair harness. 127,107; May 13.

Cummings, Israel, New York, N. Y. Textile fabric. 127,197; May 13.

Cushing, George. (See Johnson, G., Cushing, and Nevell.)

Cutler, Elizabeth, New York, N. Y. Dress. 127,255; May 13.

Dreyfuss, Henry, New York, N. Y., assignor to Hygrade Sylvania Corporation, Salem, Mass. Fluorescent lamp. 127,187; May 13.

Duckat, Abraham, New York, N. Y. Coat. 127,205; May 13.

Electric Household Utilities Corporation. (See Merritt, Isaac N., assignor.)

Elkonin, Aaron, Brooklyn, N. Y. Finger ring or similar article. 127,188; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,213; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,214; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,215; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,216; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,217; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,218; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,219; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,220; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,221; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,222; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,223; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,224; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,225; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,226; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,227; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,228; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,229; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,230; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,231; May 13.

Erhard, Gustave F., Scranton, Pa. Tablecloth or similar article. 127,232; May 13.

Erhard, Gustave F., Scranton, Pa. Table cover or similar article. 127,233; May 13.

Etlinger, Mac, New York, N. Y. Textile fabric. 127,189; May 13.

Fee and Stemwedel, Inc. (See MacCowan, Hervey L., assignor.)
Fields, Minna, New York, N. Y. Dress. 127,128; May 13.
Fields, Minna, New York, N. Y. Dress. 127,256; May 13.
Fields, Pauline E., New York, N. Y. Dress. 127,169; May 13.
Fingerhut, Abraham, New York, N. Y. Combination pin and watch or similar article. 127,206; May 13.
Foret, Edmond, assignor to Cartier, Inc., New York, N. Y. Brooch or similar article of jewelry. 127,108; May 13.
Fracchia, Pauline, New York, N. Y. Dress. 127,129; May 13.
Fracchia, Pauline, New York, N. Y. Dress. 127,130; May 13.
Fracchia, Pauline, New York, N. Y. Dress. 127,131; May 13.
Fracchia, Pauline, New York, N. Y. Dress. 127,132; May 13.
Fracchia, Pauline, New York, N. Y. Dress. 127,257; May 13.
Fracchia, Pauline, New York, N. Y. Dress. 127,258; May 13.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or similar article. 127,207; May 13.
General Motors Corporation. (See Koons, Paul M., assignor.)
Gieringer, Carl K., assignor to The Liebel-Florsheim Company, Cincinnati, Ohio. Electro therapeutic apparatus cabinet. 127,180; May 13.
Gillis, George H., Fitchburg, Mass. Shoe. 127,198; May 13.
Gillis, George H., Fitchburg, Mass. Shoe. 127,199; May 13.
Gillis, George H., Fitchburg, Mass. Shoe. 127,200; May 13.
Globe-Wernicke Company, The. (See Johnson, G., Cushing, and Nevell, assignors.)
Goodkind, Louis W., Freeport, N. Y. Dress. 127,133; May 13.
Goodrich, B. F., Company, The. (See L'Hollier, Leslie H., assignor.)
Gower, Clark, Nashville, Tenn. Paper weight. 127,201; May 13.
Green, Henry, Far Rockaway, N. Y. Handbag. 127,109; May 13.
Greyhound Corporation, The. (See Loewy, Raymond, assignor.)
Grossmann, Irving E., Stamford, Conn. Shoe or similar article. 127,110; May 13.
Hagerstown Rubber Company, The. (See Reynolds, Joseph B., assignor.)
Hallward, Michael, Marblehead, assignor to Hygrade Sylvania Corporation, Salem, Mass. Fluorescent lamp. 127,170; May 13.
Harman, Emil I., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Radio-phonograph cabinet. 127,155; May 13.
Horowitz, Herman, Brooklyn, N. Y. Dress. 127,134; May 13.
Houdaille-Hershey Corporation. (See Walker, George W., assignor.)
Hubbell, Harvey, Long Hill, Conn. Electrical receptacle. 127,181; May 13.
Hurwitz, Bernard, New York, N. Y. Dress. 127,259; May 13.
Hurwitz, Bernard, New York, N. Y. Dress. 127,260; May 13.
Hygrade Sylvania Corporation. (See Dreyfuss, Henry, assignor.)
Hygrade Sylvania Corporation. (See Hallward, Michael, assignor.)
Jacobs, Sherle, New York, N. Y. Dress ensemble. 127,135; May 13.
Johnson, Gerald, G. Cushing, and T. G. W. Nevell, New York, N. Y., assignors to The Globe-Wernicke Company, Cincinnati, Ohio. Book case. 127,208; May 13.
Jones, Natalie, New York, N. Y. Dress. 127,234; May 13.
Jung, Albert H., Flushing, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 127,190; May 13.
Jung, Albert H., Flushing, assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Container cap. 127,191; May 13.
Kaplan, Irving, Bronx, N. Y. Handbag. 127,111; May 13.
Karoff, Robert B., New York, N. Y., assignor to Stuart Products Co., Inc., St. Paul, Minn. Combined stand and container for perfumery. 127,112; May 13.
Karoff, Robert B., New York, N. Y. Perfume container or similar article. 127,171; May 13.
Kinsley, Felix P., St. Louis, Mo. Finger ring. 127,113; May 13.
Knudsen, Peder M., Katonah, N. Y. Headlight. 127,172; May 13.
Koons, Paul M., assignor to General Motors Corporation, Dayton, Ohio. Cover for a pressure-operated switch. 127,156; May 13.
Kornberg, Bella, New York, N. Y. Dress. 127,261; May 13.
Kromex Corporation. (See Ziskin, Manuel S., assignor.)
Landry, William A., White Plains, N. Y. Textile fabric. 127,202; May 13.
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Combined armored tractor and semi-trailer. 127,182; May 13.
Levy, Joseph, Brooklyn, N. Y., assignor to Century Lighting, Inc. Combination fluorescent lighting fixture or similar article. 127,173; May 13.
L'Hollier, Leslie H., Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Overboot. 127,203; May 13.
Liebel-Florsheim Company, The. (See Gieringer, Carl K., assignor.)
Loewy, Raymond, New York, N. Y., assignor to The Greyhound Corporation, Chicago, Ill. Motor coach. 127,174; May 13.
Lorberfeld, Israel, New York, N. Y. Dress. 127,136; May 13.
MacCowan, Hervey L., Wilmette, assignor to Fee and Stemwedel, Inc., Chicago, Ill. Cooking thermometer. 127,157; May 13.
Macht, Jack, New York, N. Y. Slipper. 127,243; May 13.
Maisch, Jacques E., New York, N. Y. Textile fabric. 127,192; May 13.
Maisch, Jacques E., New York, N. Y. Textile fabric. 127,193; May 13.
Maisch, Jacques E., New York, N. Y. Textile fabric. 127,194; May 13.
Mayer, Alvin B., assignor to Aray Manufacturing & Supply Corp., St. Louis, Mo. Portable lamp. 127,175; May 13.
Merritt, Isaac N., Oak Park, assignor to Electric Household Utilities Corporation, Chicago, Ill. Washing machine. 127,183; May 13.
Meyer, Maurice H. (See Borek, I., and Meyer.)
Nadel, Ottilie C., New York, N. Y. Dress ensemble. 127,137; May 13.
Nadel, Ottilie C., New York, N. Y. Dress ensemble. 127,138; May 13.
Nevell, Thomas G. W. (See Johnson, G., Cushing, and Nevell.
Northrop Aircraft, Inc. (See Northrop, John K., assignor.)
Northrop, John K., Los Angeles, Calif. Anchor. 127,184; May 13.
Northrop, John K., Los Angeles, assignor to Northrop Aircraft, Inc., Hawthorne, Calif. Airplane. 127,185; May 13.
O'Brien, Marion, New York, N. Y. Bracelet or the like. 127,195; May 13.
Oliver, Leo E., Sanger, Calif. Airplane. 127,158; May 13.
Oliver, Leo E., Sanger, Calif. Tandem wing monoplane. 127,159; May 13.
Oliver, Leo E., Sanger, Calif. Dual bodied airplane. 127,160; May 13.
Oppenheim, Stanley J., New York, N. Y. Table scarf or similar article. 127,244; May 13.
Philco Radio and Television Corporation. (See Harman, Emil I., assignor.)
Posner, Harry, New York, N. Y. Dress. 127,161; May 13.
Posner, Harry, New York, N. Y. Dress. 127,176; May 13.
Price, Blanche, Chicago, Ill. Dress ensemble. 127,139; May 13.
Price, Blanche, Chicago, Ill. Coat. 127,209; May 13.
Recht, Bessie, St. Louis, Mo. Coat. 127,210; May 13.
Reynolds, Joseph B., assignor to The Hagerstown Rubber Company, Hagerstown, Md. Shoe sole. 127,114; May 13.
Roles, Lionel H., Jr., assignor to Yale Fabrics Corp., New York, N. Y. Textile fabric or similar article. 127,196; May 13.
Rosenberg, Joseph, New York, N. Y. Dress ensemble. 127,140; May 13.
Rubin, Morris, Chicago, Ill. Pajamas. 127,235; May 13.
Rutenberg, Harry, New York, N. Y. Coat. 127,211; May 13.
Schaumer, Theo, Los Angeles, Calif. Jacket or similar article. 127,245; May 13.
Schaumer, Theo, Los Angeles, Calif. Jacket or similar article. 127,246; May 13.
Schwartz, Morris, New York, and W. Castedello, Huntington, N. Y. Combination lamp socket and ejector. 127,177; May 13.
Seigenfeld, Elinor S., New Rochelle, N. Y. Dress. 127,262; May 13.
Shutman, Celia, New York, N. Y. Dress. 127,141; May 13.
Sondheim, Janet F., New York, N. Y. Dress. 127,142; May 13.
Sondheim, Janet F., New York, N. Y. Dress. 127,143; May 13.
Sondheim, Janet F., New York, N. Y. Dress. 127,144; May 13.
Sondheim, Janet F., New York, N. Y. Dress. 127,145; May 13.
Sondheim, Janet F., New York, N. Y. Dress. 127,162; May 13.
Spear, Walter A. (See Welch, W. W., and Spear.)
Stuart Products Co. (See Karoff, Robert B., assignor.)
Theodoropulos, Aristede A., New Haven, Conn. Airplane. 127,163; May 13.
Troy, Hannah, New York, N. Y. Dress. 127,146; May 13.
Verdi, Ann, Jackson Heights, N. Y. Dress. 127,263; May 13.

Verdi, Ann, Jackson Heights, N. Y. Dress. 127,264; May 13.
Victor Metal Products Corporation. (See Jung, Albert H., assignor.)
Walker, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile bumper or similar article. 127,164; May 13.
Walker, Joset, New York, N. Y. Dress. 127,265; May 13.
Warsaw, David, Chicago, Ill. Bed lamp or similar article. 127,212; May 13.
Weidenmier, Carl H., Berlin Center, Ohio. Fish lure. 127,178; May 13.
Weisberg, Henry, New York, N. Y. Dress. 127,147; May 13.
Weissenbach, Henry, New York, N. Y. Hat or similar article. 127,236; May 13.
Welch, William W., St. Louis, Mo., and W. A. Spear, Cincinnati, Ohio; said Spear assignor to said Welch. Combined stand and electric fan. 127,165; May 13.
Welch, William W., St. Louis, Mo., and W. A. Spear, Cincinnati, Ohio; said Spear assignor to said Welch. Combined stand and electric fan. 127,166; May 13.
Westinghouse Electric & Manufacturing Company. (See Woodman, Kenneth L., assignor.)
Whitehead, Della H., Del Rio, Tex. Bar booth. 127,179; May 13.
Wilson, Frances Y., Larchmont, N. Y. Apron. 127,237; May 13.
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 127,115; May 13.
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 127,116; May 13.
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 127,117; May 13.
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 127,118; May 13.
Wood, Schuyler A., Dolgeville, N. Y. Shoe or similar article. 127,119; May 13.
Woodman, Kenneth L., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Cooking appliance or the like 127,120; May 13.
Yale Fabrics Corp. (See Roles, Lionel H., Jr., assignor.)
Zeppos, Dimitri G. A., Detroit, Mich. Electric grill. 127,121; May 13.
Ziskin, Manuel S., University Heights, assignor to Kromex Corporation, Cleveland, Ohio. Bread container. 127,122; May 13.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 13TH DAY OF MAY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Achtziger, Christoph, Weiden, Bavaria, Germany, assignor to the firm Porzellanfabrik Weiden Gebr. Bauscher Zweigniederlassung der Lorenz Hutschenreuther Aktien-Gesellschaft Selb. Dripless spout. 2,241,840; May 13.

Adams, Julius R. (See Davidson, P. B., and Adams.)

Aigner, Viktor, Steglitz, and B. Nerlich, Berlin-Charlottenburg, Germany, assignors to General Electric Company. Electroresponsive device. 2,241,973; May 13.

Air-Pops-It, Incorporated. (See Wilsey, Irven H., assignor.)

Aktiebolaget Gotaverken. (See Olsson, Johannes, assignor.)

Aktiebolaget Kullagerfabriken. (See Hjarpe, Eric G., assignor.)

Alfieri, Giuseppe, assignor to Fabbrica Italiana Magneti Marelli Società Anonima, Milan, Italy. Control and actuation device for liquid pressure brakes for vehicle wheels. 2,241,374; May 13.

Alford, Andrew, assignor to International Telephone Development Co., Inc., New York, N. Y. Variable frequency radio beacon. 2,241,897; May 13.

Alfred, Dozier, assignor of thirty-five per cent to E. D. Washington, Gladewater, Tex. Carpenter's tool. 2,241,570; May 13.

Alliance Manufacturing Company, The. (See Schneider, Emmor V., assignor.)

Allied Steel & Conveyors, Inc. (See Gaboury, Lucien E., assignor.)

Altorfer Brothers Company. (See Castricone, John A., assignor.)

Aluminum Company of America. (See Marsh, Kirtland, assignor.)

American Anode Inc. (See Beal, Carl L., assignor.)

American Anode Inc. (See Hansen, Merrill E., assignor.)

American Brake Company, The. (See Mueller, Emil G., assignor.)

American Can Company. (See Egling, George H., assignor.)

American Can Company. (See Hothersall, John M., assignor.)

American Can Company. (See White, Richard J., assignor.)

American Can Company. (See Worthington, Everett, assignor.)

American Cyanamid Company. (See Krebs, K., and Tucker, assignors.)

American Cyanamid Company. (See Kuh, E., and Hultquist, assignors.)

American Electro Metal Corporation. (See Schwarzkopf, Hans-Heinrich, assignor.)

American Flange & Manufacturing Co. Inc. (See Steven, Edmund, assignor.)

American Flange & Manufacturing Co. Inc. (See Wackman, Louis B., assignor.)

American Hospital Supply Corporation. (See Sanders, Clarence E., assignor.)

American Hyalsol Corporation. (See Normann, Wilhelm, assignor.)

American Metal Company, The. (See Burkey, Harvey M., assignor.)

American Optical Company. (See Moulton, Harold R., assignor.)

American Radiator & Standard Sanitary Corporation. (See Maier, George M., assignor.)

American Sales Book Company. (See Manuel, C. J., and Gochnauer, assignors.)

American Seating Company. (See Koven, A. C., and Nordmark, assignors.)

American Seating Company. (See Nordmark, Henry P., assignor.)

American Smelting and Refining Company. (See Zischkau, C., and Linford, assignors.)

American Steel and Wire Company of New Jersey, The. (See Carsley, Harold G., assignor.)

American Transformer Company. (See Brettell, George A., Jr., assignor.)

Anderson, Albert E., Quincy, Ill. Heater. 2,242,160; May 13.

Anderson, Albert & J. M., Manufacturing Company. (See Reynolds, Charles H., assignor.)

Anderson, James T., and D. Gabor, Rugby, H. W. H. Warren, Coventry, and R. S. Wells, Rugby, England, assignors to General Electric Company. High power cathode ray device. 2,241,974; May 13.

Anderson, Louis A., Attleboro, Mass. Soft collar holder. 2,241,756; May 13.

Anderson, Ruben W. (See Long, Sidney L., assignor.)

Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Control mechanism for refrigerators. 2,241,571; May 13.

Andrews, Ray. (See Remington, V. H., and Andrews.)

Animal Trap Company of America. (See Graybill, Hershey R., assignor.)

Anthracite Industries, Inc. (See Mulcey, P. A., and Johnson, assignors.)

Archer, John. (See Herman, J. L., and Reidenbach, assignors.)

Archer Rubber Company. (See Gowdy, William F., assignor.)

Arden Farms Co. (See Berch, Samuel H., assignor.)

Armstrong, Howard E., Johnson City, N. Y., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Skiving machine. 2,241,382; May 13.

Armstrong, Percy A. E., Westport, Conn. Working metals by the electric arc. 2,241,572; May 13.

Arnold, Gerald D., Wauwatosa, Wis. Preserving valuable elements of organic materials. 2,241,654; May 13.

Arrow-Hart & Hegeman Electric Company, The. (See Bentley, R. H., and Dietrich, assignors.)

Aschenbach, Emerson L., Sellersville, Pa., assignor to United States Gauge Company, New York, N. Y. Gauge valve. 2,241,573; May 13.

Aschermann, Günther, and E. Friederich, Berlin-Charlottenburg, Germany, assignors to General Electric Company. Luminescent material. 2,241,939; May 13.

Ash, Charles S., Milford, Mich. Dual wheeled vehicle. 2,242,048; May 13.

Ash, Charles S., Milford, Mich. Dual wheel assembly. 2,242,049; May 13.

Asinger, Friedrich. (See Platz, K., Bucking, and Smeykal.)

Associated Engineering, Inc. (See Sherwood, Aaron W., assignor.)

Associated Equipment Company, The. (See Jones, Ernest J. H., assignor.)

Athy, Lawrence F., and H. R. Prescott, assignors to Continental Oil Company, Ponca City, Okla. Method of logging drill holes. 2,242,161; May 13.

Atkins, John R. and W. J., Dallas, Tex. Washing machine. 2,241,940; May 13.

Atkins, William J. (See Atkins, John R. and W. J.)

Atlee, Zed J., Elmhurst, assignor to General Electric X-Ray Corporation, Chicago, Ill. Getter for X-ray generators. 2,242,100; May 13.

Atlee, Zed J., Elmhurst, assignor to General Electric X-Ray Corporation, Chicago, Ill. Conditioning X-ray generators. 2,242,101; May 13.

Astrove, Joseph, assignor to Tidy Products Corporation, New York, N. Y. Combination infant's hood and cape: 2,241,694; May 13.

Atkins, E. C., and Company. (See Gommel, Dewey E., assignor.)

Autogas Corporation. (See Furlong, Francis A., assignor.)

Autogiro Company of America. (See Campbell, Harris S., assignor.)

Baade, Brunolf C., Dessau-Anhalt, Germany, assignor, by mesne assignments, to Wingfoot Corporation, Akron, Ohio. Vehicle. 2,241,757; May 13.

Bacnardy, Stephen J., Allentown, Pa. Coffee making apparatus. 2,242,162; May 13.

Baker, Earl P., Minneapolis, Minn. Door construction for heaters. 2,241,574; May 13.

Baldine, Joseph J., Hubbard, Ohio. Automatic valve for hose nozzles. 2,241,758; May 13.

Ball, James D., Freer, Tex. Device for placing gravel in holes. 2,241,439; May 13.

Ball, Thomas M., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Connecting link. 2,242,021; May 13.

Bancroft, Albert F., West Newton, assignor to Bancroft-Walker Company, Waltham, Mass. Manufacture of footwear. 2,241,440; May 13.

Bancroft-Walker Company. (See Bancroft, Albert F., assignor.)

Bandur, Adolph F., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacture of magnetic bodies. 2,241,441; May 13.

Barbour Welting Company. (See Vizard, William C., assignor.)

Bargeboer, Adolf, assignor of three-fourths to N. V. Dikkers & Bargeboer, The Hague, Netherlands. Vacuum cleaner and the like apparatus. 2,242,163; May 13.

Barlow, Thomas E., assignor to Battelle Memorial Institute, Columbus, Ohio. Making cast iron and addition material therefor. 2,241,575; May 13.

Barnes, Charles H., Glendale, assignor to Lane-Wells Company, Los Angeles, Calif. Bridging plug slip means. 2,241,532; May 13.

Barnes, Percy J., Babylon, N. Y., assignor to Radio Corporation of America. Ink vaporizing apparatus. 2,241,759; May 13.

Barnett, Pernel, Orange, Calif. Tree root cutting machine. 2,241,383; May 13.

Barstow, George E., Lakeville, Mass. Chain making machine. 2,242,164; May 13.

Barth, Gustav, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Earth inductor compass. 2,241,499; May 13.

Bartlett, C. O., & Snow Company, The. (See Smith, Benjamin A., assignor.)

Barton, Charles L., Orange, N. J. Figure toy. 2,241,576; May 13.

Barton, James O., Havana, assignor of forty percent to T. M. Shultz, Beardstown, Ill. Hoisting device. 2,241,695; May 13.

Basseches, Jacob T. (See Levin, Michael, assignor.)

Bassick Company, The. (See Claud-Mantle, Arthur, assignor.)

Batcheller, Clements, Glens Falls, N. Y. Making fiber panel board. 2,241,500; May 13.

Batcheller, Hugh W., Newton, assignor to Standard Mfg. Co., Worcester, Mass. Operating member for electric switches and the like. 2,242,165; May 13.

Bateman, Alva W., and R. E. Thomas, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sterilizable adhesive tape. 2,241,384; May 13.

Bates, Edmond E., Carlisle, Mass. Angling lure. 2,241,941; May 13.

Bates, Lawrence G., Cleveland, Ohio. Container cover and support means. 2,241,501; May 13.

Bates Manufacturing Company, The. (See Faas, Walter, assignor.)

Battelle Memorial Institute. (See Barlow, Thomas E., assignor.)

Bauwens Machine Company. (See Bauwens, Seraphine F., assignor.)

Bauwens, Seraphine F., Chicago, Ill., assignor to Bauwens Machine Company, Inc. Stapling machine. 2,242,050; May 13.

Bawtenheimer, Reginald B., assignor to C. Weir, Sarnia, Ontario, Canada. Building facing. 2,241,898; May 13.

Baxter, William C., assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Baby walker. 2,241,626; May 13.

Beal, Carl L., Cuyahoga Falls, assignor to American Anode Inc., Akron, Ohio. Making rubber articles. 2,241,385; May 13.

Beals, Bruce L., Jr., Hempstead, N. Y., assignor to Flying Car Corporation, Trenton, N. J. Flying automobile. 2,241,577; May 13.

Bean, Frederic K., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing n-furfurylaminophenols. 2,241,760; May 13.

Beatty, Clarence E., Colorado Springs, Colo. Buckle. 2,242,102; May 13.

Beck, Hans, Krefeld, Germany, assignor to Heberlein Patent Corporation, New York, N. Y. Producing water-repellent textile materials and products therefrom. 2,242,051; May 13.

Becker, Helmut. (See Sanger, O., Becker, and Broschke.)

Beckette, Edmund S. (See Nystrom, K. F., Beckette, and Green.)

Beckwith, George M., Meadville, Pa., assignor to Talon, Inc. Slide fastener. 2,241,841; May 13.

Bell Aircraft Corporation. (See Hineman, George L., assignor.)

Bell Aircraft Corporation. (See Salisbury, Frank M., assignor.)

Bell Aircraft Corporation. (See Wolf, Robert A., assignor.)

Bell Aircraft Corporation. (See Woods, Robert J., assignor.)

Bell, Angus S., and J. R. Wylde, Spondon, near Derby, England, assignors to Celanese Corporation of America. Producing composite yarns. 2,241,442; May 13.

Bell Telephone Laboratories, Incorporated. (See Hecht, Rudolph A., assignor.)

Bender, George P., assignor to The Waddell Company, Inc., Greenfield, Ohio. Showcase sham. 2,241,696; May 13.

Bendix Aviation Corporation. (See Holmes, B. B., and Reichel, assignors.)

Bendix Aviation Corporation. (See Kurzina, Stanley B., Jr., assignor.)

Benner, Raymond C., and J. C. McMullen, assignors to The Carborundum Company, Niagara Falls, N. Y. Apparatus for casting refractories. 2,241,386; May 13.

Bennet, Carl W. H. D., Stockholm, assignor to L. G. V. Bennet, Runeborg Stocksund, Sweden. Elastic fluid engine. 2,241,975; May 13.

Bennet, Louise G. V. (See Bennet, Carl W. H. D., assignor.)

Bennett, Edwin O., assignor to Continental Oil Company, Ponca City, Okla. Apparatus for operating oil wells. 2,242,166; May 13.

Benninghofen, Paul, et al. (See Waechter, Harry J., assignor.)

Bentley, Robert H., and W. L. Dietrich, assignors to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Multiposition electric switch. 2,242,167; May 13.

Berch, Samuel H., Beverly Hills, assignor to Arden Farms Co., Los Angeles, Calif. Packaging machine. 2,241,942; May 13.

Berch, Samuel H., Beverly Hills, Calif. Packing food products and the like. 2,241,943; May 13.

Berg, Alfred J., Portsmouth, N. H., and J. O. Huse, U. S. Navy. Spring and making the same. 2,241,387; May 13.

Berg, Alfred J., Portsmouth, N. H., and J. O. Huse, U. S. Navy. Spring and making the same. 2,241,388; May 13.

Berg, Frederick A., Chicago, Ill. Toy vehicle simulating an amphibian airplane. 2,241,578; May 13.

Bergman, Yngve D., Nassjo, Sweden. Plant support. 2,242,168; May 13.

Bergstrom, Carl O., assignor to B. F. Sturtevant Company, Boston, Mass. Air conditioning system utilizing refrigeration. 2,241,579; May 13.

Berk, F. W., & Company. (See Six, G. J., and Booer, assignors.)

Belmont Radio Corporation. (See Plensler, A. W., and Marholz, assignors.)

Berke, Aaron, New York, N. Y. Garment guard for hangers. 2,241,697; May 13.

Berman, Gustave S., New York, N. Y. Umbrella. 2,241,389; May 13.

Berry, James D., Los Angeles, Calif. Cleaning device. 2,241,443; May 13.

Biddle, William P., Jr., assignor to Knox Stove Works, Knoxville, Tenn. Furnace with automatic fuel controlling and supplying means. 2,241,390; May 13.

Birkigt, Marc, Versoix, near Geneva, Switzerland. Automatic machine tool. 2,242,169; May 13.

Birkigt, Marc, Versoix, near Geneva, Switzerland. Machine tool. 2,242,170; May 13.

Birt, Howard B., W. C. Pritchard, and R. A. Daily, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich. Making a metal lignin sulphonate. 2,241,627; May 13.

Bish, Raymond H. (See Nichols, C. A., and Bish.)

Bishop, Howard B., Summit, N. J., assignor, by mesne assignments, to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Laundering and cleaning. 2,241,580; May 13.

Bissell, William T., assignor to Journal Box Servicing Corporation, Indianapolis, Ind. Journal brass trimmer. 2,241,628; May 13.

Blaisdell, Charles O., Oak Park, and F. Martindell, Western Springs, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Electrical coil and a method of making the same. 2,241,761; May 13.

Blewett, John P., Scotia, and S. Ramo, Schenectady, N. Y., assignors to General Electric Company. High frequency apparatus. 2,241,976; May 13.

Bliss, Warren H., Brooklyn, N. Y., assignor to Radio Corporation of America. Electronic circuit. 2,241,533; May 13.

Blomberg, Martin P., Hinsdale, and W. H. Mussey, assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Car truck frame. 2,242,190; May 13.

Blount, William H., Worcester, and C. F. Fisher, Spencer, assignors to Sleeper & Hartley, Incorporated, Worcester, Mass. Cable armoring machine. 2,242,022; May 13.

Blumlein, Alan D., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Thermionic valve circuit, particularly for use in television. 2,241,762; May 13.

Blumlein, Alan D., Ealing, London, and E. L. C. White, Hillingdon, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Thermionic valve circuit. 2,241,534. May 13.

Bodimer, Gilbert E., Indianapolis, Ind. Wringer mop. 2,241,763; May 13.

Bollinger, Allan E., York, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Coated pulley. 2,241,391; May 13.

Böllinger, Hanns S. W., and W. M. A. Gottschalck, Frankenthal, Pfalz, assignors to Klein, Schanzlin & Becker Aktiengesellschaft, Frankenthal, Germany. Power transmission. 2,241,764; May 13.

Bond Foundry & Machine Company. (See Noros, George C., assignor.)

Booer, Joseph R. (See Six, G. J., and Booer.)

Boothby, Walter M., A. H. Bulbulian, and W. R. Lovelace, Rochester, Minn. Apparatus for delivering and permitting normal breathing of mixtures of gases. 2,241,535; May 13.

Borenstein, Ella, administratrix. (See Borenstein, W., and Duckstein, assignors.)

Borenstein, Walter, Brooklyn, deceased, and I. Duckstein, New York, N. Y.; said Duckstein assignor to said Borenstein; Ella Borenstein, administratrix. Machine for producing tufted fabrics. 2,242,103; May 13.

Boucke, Heinz, Berlin-Charlottenburg, Germany, assignor to Radio Patents Corporation. Electrical amplifier. 2,241,581; May 13.

Bower, Joseph H. W., Toronto, Ontario, Canada. Respirator jacket. 2,241,444; May 13.

Boyer, James F., Kokomo, Ind. Hand printing press. 2,242,104; May 13.

Boyle, Louis M., Los Angeles, Calif.; assignor to Boyle Manufacturing Company. Wheelbarrow. 2,242,171; May 13.
Boyle Manufacturing Company. (See Boyle, Louis M., assignor.)
Boyles, John D. (See Cramer, L. T., and Boyles.)
Braden, William C., assignor of one-half to T. S. Pates, Brooklyn, N. Y. Transmission. 2,241,536; May 13.
Brady, Hugh S., Greensburg, Pa., assignor to The Jeannette Glass Company. Candle lamp. 2,241,698; May 13.
Brettell, George A., Jr., assignor to American Transformer Company, Newark, N. J. Lamp dimming system. 2,242,105; May 13.
Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)
Brill, William E., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Oil cooled piston. 2,241,629; May 13.
Brill, William E., Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich. Intake system for internal combustion engines. 2,241,630; May 13.
Briskman, Samuel. (See Weidauer, Curtis, assignor.)
British Belting & Asbestos Limited. (See Hornsby, John, assignor.)
Brophy, John J., Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Last-shelling. 2,241,502; May 13.
Broschke, Heinrich. (See Sanger, O., Becker, and Broschke.)
Brown, Andrew. (See Griffiths, J. B., and Brown.)
Brown, Andrew, and E. E. M. Woodward, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electric remote indicating system. 2,241,809; May 13.
Brown, Harry D., Hollywood, assignor to Brown Mineral Separator Company, Los Angeles, Calif. Electrical amalgamating apparatus. 2,241,392; May 13.
Brown Instrument Company, The. (See Krogh, A. E., and Vollrath, assignors.)
Brown Instrument Company, The. (See Nichols, John T., assignor.)
Brown Mineral Separator Company. (See Brown, Harry D., assignor.)
Brown, Robert R., New Canaan, Conn., assignor to Outserts, Incorporated, New York, N. Y. Label for cans. 2,242,172; May 13.
Browne, Arthur W. (See Yohe, R. V., and Brown.)
Brubaker, Merlin M., and J. Harmon, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of modified olefin-sulphur dioxide polysulphones. 2,241,900; May 13.
Brunhoff Manufacturing Company, The. (See K[illegible] Clarence E., assignor.)
Brush Development Company, The. (See Williams, A. L. W., and Neff, assignors.)
Brusset, Jean A., Blairmore, Alberta, Canada. Apparatus for classifying and separating particles of materials of different specific gravities. 2,241,842; May 13.
Bryant, Eugene E., Bedford, assignor to Ferro Enamel Corporation, Cleveland, Ohio. Mottled enamelware. 2,241,803; May 13.
Buboliz, Herman W., Lewis, Iowa. Carburetor valve. 2,241,537; May 13.
Buck, Benjamin I., Baltimore, Md. Bean grader. 2,241,977; May 13.
Buck, Benjamin I., Baltimore, Md. Conveyer mechanism. 2,241,978; May 13.
Buckeridge, William I., assignor to Standard Oil Company, Chicago, Ill. Plastic composition. 2,241,538; May 13.
Bücking, Fritz. (See Platz, K., Bücking, Smeykal, and Asinger.)
Buckley, Stuart E., Houston, Tex., assignor to Standard Oil Development Company. Recovering liquids from gases. 2,242,173; May 13.
Buckman, Jacob F., Hamden, Conn. Removing baked organic coatings. 2,242,106; May 13.
Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
Buddrus, Edward, and G. W. McCullough, Bartlesville, Okla., assignors to Phillips Petroleum Company. Means for storing volatile fluids. 2,241,843; May 13.
Bulbulian, Arthur H. (See Boothby, W. M., Bulbulian, and Lovelace.)
Bullowa, Jesse G. M., New York, and H. D. Ratish, Brooklyn, N. Y. Oxygen vaporizer. 2,242,108; May 13.
Burbank, John E., Poundridge, N. Y., assignor, by mesne assignments, of fifty-one one-hundredths to W. N. Cheyney, Montclair, N. J., and forty-nine one-hundredths to R. H. Lutz, Norwalk, Conn. Web feeding apparatus. 2,241,804; May 13.
Burk, Robert E., Cleveland Heights, and H. P. Lankelma, Shaker Heights, assignors to The Standard Oil Company, Cleveland, Ohio. Lubricating conipound manufacture. 2,242,174; May 13.
Burke & James, Inc. (See Guhl, Victor, assignor.)
Burkey, Harvey M., Plainfield, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Process for treating lead. 2,241,806; May 13.
Burton, Raymond E., Pittsburgh, Pa. Silk screen printing table. 2,241,844; May 13.
Buschbeck, Werner, and H. Meinke, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Arrangement for matching antennae for wide frequency bands. 2,241,582; May 13.
Butters, Robert H., Atlanta, Ga. Magnetic separating device. 2,241,805; May 13.
Buzza, George E., Los Angeles, Calif. Display device. 2,241,944; May 13.
Byers, A. M., Company. (See White, Frederick W., assignor.)
Caldwell Manufacturing Co. (See Tappan, Dewitt, assignor.)
Call, Lloyd L., Glen Ellyn, assignor to General Electric X-Ray Corporation, Chicago, Ill. Metering system. 2,242,107; May 13.
Callari, Giuseppe. (See Contrino, G., and Callari.)
Campbell, Bowen, Des Moines, Iowa. Drying. 2,241,375; May 13.
Campbell, Donald A., assignor to G. W. McKee, Rockford, Ill. Gaseous fuel burner. 2,241,583; May 13.
Campbell, Harris S., Bryn Athyn, Pa., assignor, by mesne assignments, to Autogiro Company of America. Aircraft. 2,241,503; May 13.
Camphuis, George A., Los Angeles, Calif. Grinding mill. 2,242,109; May 13.
Carborundum Company, The. (See Benner, R. C., and McMullen, assignors.)
Carborundum Company, The. (See Walker, Avery W., assignor.)
Carlson, Harold A., University City, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,241,655; May 13.
Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method and apparatus for treating hydrocarbons. 2,241,110; May 13.
Carsley, Harold G., Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey. Guard for trash burning baskets and the like. 2,242,111; May 13.
Carter Carburetor Corporation. (See Carlson, Harold A., assignor.)
Carter Carburetor Corporation. (See Coffey, Irven E., assignor.)
Carter, Dorothy C., Brighton, Mass., Modeling compound. 2,241,376; May 13.
Case, Lynn B. (See Scott, H. A., and Case.)
Case, Richard Y., Philadelphia, assignor to L. H. Gilmer Co., Tacony, Philadelphia, Pa. Power belt measuring device. 2,241,979; May 13.
Casey, Ernest E., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Attachment to electrically operated coin controlled apparatus. 2,241,540; May 13.
Casper, Louis, Richmond Hill, N. Y. Hinge assembly. 2,242,052; May 13.
Caster, L. E. (See Fonken, Martin E., assignor.)
Castricone, John A., assignor to Altorfer Brothers Company, Peoria, Ill. Ironing machine. 2,241,539; May 13.
Celanese Corporation of America. (See Bell, A. S., and Wylde, assignors.)
Celanese Corporation of America. (See Ellis, G. H., and Olpin, assignors.)
Celotex Corporation, The. (See McCauley, Willis J., assignor.)
Century Oxford Manufacturing Co. (See Vitolo, Louis, assignor.)
Cerny, Joseph A., assignor to The Titan Valve and Manufacturing Company, Cleveland, Ohio. Thermostatic control mechanism. 2,241,980; May 13.
Cerny, Joseph A., assignor to The Titan Valve and Manufacturing Company, Cleveland, Ohio. Thermostatic control mechanism. 2,241,981; May 13.
Chambers, Lloyd R., Greer, S. C., Hydropneumatic pump. 2,241,765; May 13.
Champ-Items Inc. (See Wylie, Ernest L., assignor.)
Champion Spark Plug Company. (See Rohde, O. C., and Kelly, assignors.)
Chapman, Penrose E., Sr., St. Louis, Mo. Wire despooling device. 2,242,053; May 13.
Chapman, Willis A., Shaker Heights, assignor of one-half to W. A. Spear, Cleveland, Ohio. Brush. 2,241,845; May 13.
Chester, Gifford W., Springfield, Mo. Hydraulic transmission. 2,242,112; May 13.
Cheyney, William M., et al. (See Burbank, John E., assignor.)
Chicago Flexible Shaft Company. (See Jepson, Ivar, assignor.)
Chicago Metallic Manufacturing Company. (See Langel, Adrien L., assignor.)
Chicago Pump Company. (See Durdin, Augustus C., Jr., assignor.)
Chicago Roller Skate Company. (See Ware, Robert R., assignor.)
Choice, Frank C. (See Ricks, F., and Choice.)
Chromogen, Incorporated. (See Michaelis, Walter, assignor.)
Chrysler Corporation. (See Ball, Thomas M., assignor.)
Chrysler Corporation. (See Fishburn, Otto E., assignor.)
Chrysler Corporation. (See Hicks, Harold A., assignor.)
Chrysler Corporation. (See Houk, Addison R., assignor.)
Chrysler Corporation. (See McCordic, James R., assignor.)
Cissell, William M., Jefferson County, Ky. Laundry pressing iron. 2,241,945; May 13.
Cincinnati Grinders Incorporated. (See Decker, Jacob, assignor.)
Cincinnati Grinders Incorporated. (See Ernst, H., and Dall, assignors.)
Clampett, Fred W., et al. (See Kendig, Albert C., Jr., assignor.)
Clampett, Robert E., et al. (See Kendig, Albert C., Jr., assignor.)
Clapp, William H. (See Evenstad, S. T., Clapp, and MacGlashan.)
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Congelation depressor. 2,241,982; May 13.
Clark, Harold W., assignor to The McCaskey Register Company, Alliance, Ohio. Double paper feeding mechanism for cash registers. 2,241,445; May 13.
Clarke, Carl D., Ruxton, Md. Composition. 2,241,875; May 13.
Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Assist loop. 2,241,504; May 13.
Claussner Hosiery Company. (See Claussner, Robert E., assignor.)
Claussner, Robert E., assignor to Claussner Hosiery Company, Paducah, Ky. Hosiery welt construction. 2,242,054; May 13.
Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Overdrive control system. 2,241,632; May 13.
Clayton, Benjamin, Houston, and B. H. Thurman, Bronxville, N. Y., assignors to Refining, Inc., Reno, Nev. Separating soap stock. 2,242,175; May 13.
Claytor, Edward M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Overdrive control system. 2,241,631; May 13.
Cleaners Specialties, Inc. (See Glover, William C., Jr., assignor.)
Clemens, Jerome H., Chicago, Ill. Railway car. 2,241,377; May 13.
Coffey, Irven E., Normandy, assignor to Carter Carburetor Corporation, St. Louis, Mo. Windshield wiper mechanism. 2,241,766; May 13.
Cohen, Ernst, Manchester, England. Flexible backed brush. 2,241,876; May 13.
Cohen, Maximilian, New York, N. Y. Toothbrush and dental mirror. 2,241,584; May 13.
Colborne Manufacturing Company. (See Smith, Dennis W., assignor.)
Collins, Edgar V. (See Shedd, C. K., and Collins.)
Congoleum-Nairn Inc. (See Heizer, Edward J., assignor.)
Connolly, William B., assignor to Rochester Manufacturing Company, Rochester, N. Y. Magnetic driving mechanism. 2,241,983; May 13.
Consolidated Packaging Machinery Corporation. (See Gantzer, Howard E., assignor.)
Container Corporation of America. (See Lowey, Roy E., assignor.)
Continental Investment Syndicate Limited, The. (See Knibbs, N. V. S., and Pehrson, assignors.)
Continental Oil Company. (See Athy, L. F., and Prescott, assignors.)
Continental Oil Company. (See Bennett, Edwin O., assignor.)
Continental Oil Company. (See Cramer, L. T., and Boyles, assignors.)
Continental Oil Company. (See Mertz, Howard A., assignor.)
Contrino, Gaspare, and G. Callari, Bronx, N. Y. Vehicle elevating device. 2,241,877; May 13.
Cooper, Wallace M., Weston, Mass. Apparatus for plant irrigation. 2,241,699; May 13.
Cooper, William C., Waukesha, assignor to George J. Meyer Manufacturing Company, Cudahy, Wis. Glass washing composition. 2,241,984; May 13.
Cork, Edward C., Ealing, London, and J. L. Pawsey, Ickenham, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Aerial. 2,242,023; May 13.
Corner, Douglas C., Greenwich, Conn. Mucking machine. 2,241,446; May 13.
Corning Glass Works. (See Hostetter, John C., assignor.)
Corser, John. (See Sperzel, Peter J., and Corser.)
Cotner, John C., Logansport, Ind., assignor to Logansport Machine, Inc. Hydraulic press system. 2,241,807; May 13.
Cover, Ralph, Westminster, Md. Machine for debutting corn. 2,242,113; May 13.
Craig, Ollison. (See Griffith, L. E., and Craig.)
Cramer, Loring T., and J. D. Boyles, assignors to Continental Oil Company, Ponca City, Okla. Coupon book. 2,242,114; May 13.
Cramer, Stanley S., Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Radio tuning mechanism. 2,242,055; May 13.
Crane & Co. (See Williams, Frank H., assignor.)
Crangle, George C., San Francisco, Calif. Pulsator and the like. 2,241,541; May 13.
Creed and Company Limited. (See Thompson, A. E., and Salmon, assignors.)
Crenshaw, John D., Chicago, Ill. Time controlled switch. 2,242,056; May 13.
Crickmer, Charles S., assignor to Merla Tool Company, Dallas, Tex. Flowing wells. 2,241,656; May 13.
Critchfield, C. W. (See Glistrap, Julian T., assignor.)
Croce, Angelo, Welby, and J. F. Heffner, Denver, Colo. Planter. 2,241,633; May 13.
Crown Cork & Seal Company. (See Enkur, Edward M., assignor.)
Crzellitzer, Robert, assignor to Officina Meccanica Olivetti, Ivrea, Italy. Hydraulic device. 2,242,057; May 13.

Cubberley, Richard H. (See Kirschbraun, L., and Cubberley.)
Cube Steak Machine Company. (See Spang, Joseph P., assignor.)
Cullerton, Orville F., assignor to The W. J. Jamison Company, Chicago, Ill. Fish lure. 2,241,767; May 13.
Cuny, Ernest A., New York, N. Y. Rotary fluid displacement device. 2,242,058; May 13.
Cuthbert, William R., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Receptacle for liquids. 2,241,846; May 13.
Cutler-Hammer, Inc. (See Feldhausen, Cyril P., assignor.)
Cutler-Hammer, Inc. (See Mener, George J., assignor.)
Cuttler, Moses J., New York, N. Y. Manufacture of metal to porcelain seals. 2,241,505; May 13.
Dahl, Gösta, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Nozzle for vacuum cleaners. 2,241,776; May 13.
Daily, Robert A. (See Birt, H. B., Pritchard, and Daily.)
Dain Manufacturing Company of Iowa. (See Jones, Frank D., assignor.)
Dall, Albert H. (See Ernst, H., and Dall.)
Danciger, Abraham, Tulsa, Okla. Manufacture of metal carbonyl. 2,242,115; May 13.
Danner, Philip S., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Treating hydrocarbons. 2,241,393; May 13.
Datkin, Alexander, Westbury, N. Y. Latch. 2,241,985; May 13.
Davidson, Paul B., Wilkinsburg, Pa., and J. R. Adams, assignors to Old Colony Envelope Company, Inc., Westfield, Mass. Adhesive. 2,241,700; May 13.
Davis, Edwin S. (See Ryan, J. V., and Davis.)
Davis, F. A., & Sons. (See Gfeller, John H., assignor.)
Davis, Robert E., assignor to W. B. Davis & Son, Inc., Fort Payne, Ala. Hosiery. 2,241,901; May 13.
Davis, W. B., & Son, Inc. (See Davis, Robert E., assignor.)
Dawson, Grover C. (See Kimball, Warren A., assignor.)
Dawson, John W., Turtle Creek, and W. R. Wickerham, Swissvale, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control apparatus. 2,241,808; May 13.
Day, William E., Jr., Plainfield, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y. Removing metallic coatings from metallic parts. 2,241,585; May 13.
Decker, Jacob, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Automatic infeed mechanism for grinding machines. 2,241,634; May 13.
De Forest, Lee, Hollywood, Calif., assignor to R. C. Gilman, Waterbury, Conn. Television radial scanning system employing cathode beam. 2,241,809; May 13.
Dehring, Herbert C., Genoa, Ohio. Supporting bracket. 2,241,657; May 13.
Deitz, Louis S., Jr., Westfield, N. J., assignor to Nassau Smelting & Refining Company, Incorporated, New York, N. Y. Extrusion apparatus. 2,241,543; May 13.
Delamere Company. (See Huppert, William, assignor.)
Demonet, Eugene A., East Orange, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Clock synchronizing device. 2,241,447; May 13.
Denise, John R., Columbus, assignor to Surface Combustion Corporation, Toledo, Ohio. Ribbon burner. 2,242,176; May 13.
Deremer, Floyd E., Detroit, Mich. Silencer construction. 2,241,768; May 13.
De Roo, William C., Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich. Mechanical drive. 2,241,635; May 13.
Despatch Shops, Inc. (See Steuber, George A., assignor.)
Detroit Harvester Company. (See Wagner, Robert W., assignor.)
Deutsche Gold und Silber Scheideanstalt vormals Roessler. (See Jaeger, Gustav, and Rudert, assignors.)
De Witt, William J., assignor to Shoe Form Co., Inc., Auburn, N. Y. Box. 2,242,059; May 13.
Dickens, John W. (See Stair, Daniel E., assignor.)
Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Sulphonic acid derivatives of aryl diamine. 2,241,769; May 13.
Dickinson, Robert C., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,241,810; May 13.
Diehl Machine Works, G. M., The. (See Gustin, George M., assignor.)
Diesbach, Fritz G., et al. (See Waechter, Harry J., assignor.)
Dietrich, Walter L. (See Bentley, Robert H., and Dietrich.)
Dillon, Paul W., assignor to Northwestern Steel and Wire Company, Sterling, Ill. Machine for removing scale from rods. 2,242,024; May 13.
Divco-Twin Truck Company. (See Muma, George E., assignor.)
Dockerty, Stuart M. (See Hyde, J. F., and Dockerty.)
Doe, Thomas B., New York, N. Y., assignor to The Waterbury Tool Company, Waterbury, Conn. Power transmission. 2,241,701; May 13.
Dole Valve Company, The. (See Drapeau, Harold B., assignor.)
Dombrow, Bernard A. (See Price, D., and Dombrow.)

Donaway, Carlton S., Indian Orchard, assignor to The L. S. Starrett Company, Athol, Mass. Step attachment for planer and shaper or like gauges. 2,242,110; May 13.

Dormeyer, A. F., Mfg. Co. (See Strauss, A., and Harbaugh, assignors.)

Dorsman, Cornelis, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Central television receiving system. 2,241,586; May 13.

Dow Chemical Company, The. (See Dreisbach, R. R., Stoesser, and Hanson, assignors.)

Dow Chemical Company, The. (See Kropscott, Earle L., assignor.)

Drakenfeld, B. F., & Co. Inc. (See Remington, V. H., and Andrews, assignors.)

Drapeau, Harold B., assignor to The Dole Valve Company, Chicago, Ill. Thermostat. 2,241,902; May 13.

Dreisbach, Robert R., S. M. Stoesser, and A. W. Hanson, assignors to The Dow Chemical Company, Midland, Mich. Stabilization of styrene and related compounds. 2,241,770; May 13.

Dreyer, John F., Jr., Brooklyn, N. Y., assignor to Radio Corporation of America. Visual signal recorder. 2,241,544; May 13.

Dreyfus, Henry, London, England. Manufacture of nitrogen derivatives of cellulose. 2,241,542; May 13.

Driess, Oscar M., H. H. Seay, and E. J. Eckerle, Louisville, Ky. Safety razor. 2,241,986; May 13.

Duckstein, Isadore. (See Borenstein, W., and Duckstein.)

Duffy, Michael J., Brooklyn, N. Y. Nonrefillable bottle. 2,241,394; May 13.

Duisberg, Walter H. (See van Thiel, Heinrich, assignor.)

Dumur, Frank. (See Sanger, O., Becker, and Broschke, assignors.)

Du Pont, E. I., de Nemours & Company. (See Bateman, A. W., and Thomas, assignors.)

Du Pont, E. I., de Nemours & Company. (See Brubaker, M. M., and Harmon, assignors.)

Du Pont, E. I., de Nemours & Company. (See English, M. H., and Nydegger, assignors.)

Durdin, Augustus C., Jr., Lincolnwood, assignor to Chicago Pump Company, Chicago, Ill. Channel construction for comminutors. 2,241,587; May 13.

E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)

Eastern Tablet Corporation. (See Gelinas, Ralph J., assignor.)

Eastman Kodak Company. (See Bean, Frederic R., assignor.)

Eastman Kodak Company. (See Dickey, J. B., and McNally, assignors.)

Eastman Kodak Company. (See Fordyce, C. R., and Stampfli, assignors.)

Eaton Manufacturing Company. (See Whitlark, Claude H. F., assignor.)

Eberhard, Boyd C., Akron, Ohio, and S. T. Williams, Bellerose, N. Y., assignors to Wingfoot Corporation, Wilmington, Del. Valve for multichambered tubes. 2,241,847; May 13.

Eckart, Jacob, Furth, assignor to the firm Standard Bronzefarben-Werke Carl Eckart, Furth, Bavaria, Germany. Apparatus for preparing very fine lustrous metal particles. 2,241,848; May 13.

Eckerle, Elmore J. (See Driess, O. M., Seay, and Eckerle.)

Edström, Eric, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,241,946; May 13.

Egan, Clarence. (See Mason, Richard C., assignor.)

Eggers, Hans, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Direction finding system. 2,241,903; May 13.

Egling, George H., San Jose, Calif., assignor to American Can Company, New York, N. Y. Slitting machine. 2,241,395; May 13.

Eickman, Willis E., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,241,987; May 13.

Eissner, Erich, Siegmar-Schonau, and F. Pester, Lichtenstein-Callenberg, Germany, assignors to Kalio, Inc., New York, N. Y. Manufacture of knitted goods on the straight bar knitting machine. 2,241,988; May 13.

Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,242,060; May 13.

Elboum, Ben, Oakland, Calif. Bottle drier. 2,241,448; May 13.

Electric Arc Cutting & Welding Company. (See Holslag, Claude J., assignor.)

Electric & Musical Industries Limited. (See Blumlein, Alan D., assignor.)

Electric & Musical Industries Limited. (See Blumlein, A. D., and White, assignors.)

Electric & Musical Industries Limited. (See Cork, E. C., and Pawsey, assignors.)

Electric & Musical Industries, Limited. (See Kallmann, H. E., and Spencer, assignors.)

Electro String Instrument Corporation. (See Kauffman, Clayton O., assignor.)

Electrolux Corporation. (See Dahl Gösta, assignor.)

Electrolux Corporation. (See Edström, Eric, assignor.)

Electrolux Corporation. (See Ell, Lars J. F., assignor.)

Electrolux Corporation. (See Ernolf, Carl O., assignor.)

Electrolux Corporation. (See Forsberg, Axel A., assignor.)

Electrolux Corporation. (See Lofgren, Gustaf E., assignor.)

Eliason, Elmer, Brookpark, Minn. Water level controller. 2,241,636; May 13.

Ell, Lars J. F., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,241,771; May 13.

Ellefson, Bennett S., St. Marys, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Flourescent screen material and method of making. 2,242,061; May 13.

Ellis, George H., and H. C. Olpin, Spondon, near Derby, England, assignors to Celanese Corporation of America. Coloration of textile and other materials. 2,241,449; May 13.

Emerson, Walter H., East Liverpool, Ohio, assignor to The Homer Laughlin China Company, Newell, W. Va. Adjustable fluid control. 2,241,772; May 13.

Emmert, Kenneth L. (See Hensel, F. R., and Emmert.)

Engberg, Ralph E., Geneva, N. Y. Apparatus for dispensing gummed tape. 2,241,658; May 13.

English, Myrle H., Pompton Lakes, N. J., and R. R. Nydegger, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Making blasting initiators. 2,242,117; May 13.

Enkur, Edward M., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Cap. 2,241,588; May 13.

Eppler, Andrew, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Pivotal joint. 2,241,506; May 13.

Erland, af Kleen, Nils, Stockholm, Sweden. Absorption refrigerating apparatus. 2,242,191; May 13.

Ernolf, Carl O., Stockholm, Sweden, assignor to Electrolux Corporation, New York, N. Y. Vacuum cleaner. 2,241,773; May 13.

Ernst, Hans, Cincinnati, and A. H. Dall, Stiverton, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Dynamic balancing mechanism for machine tools. 2,241,637; Mary 13.

Evans, Carroll L., Tipton, Calif. Compression regulator. 2,241,378; May 13.

Evenstad, Sydney T., Alhambra, W. H. Clapp, and W. F. MacGlashan, Jr., Pasadena, Calif. Pellet machine. 2,241,546; May 13.

Evertz, Matthew, Chicago, Ill. Therapeutic agent and food from watermelons. 2,242,062; May 13.

Eppler, Andrew, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for forming shoe soles. 2,241,507; May 13.

Ernst, Walter, Mount Gilead, Ohio, assignor to The Hydraulic Press Corp., Inc., Wilmington, Del. Valve. 2,241,545; May 13.

Ewerth, Anton G., assignor to E. V. W. H. Von Geijer, Stockholm, Sweden. Share for sowing machines. 2,242,025; May 13.

Exner, Donald W., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulating system. 2,241,811; May 13.

Faas, Walter, South Orange, assignor to The Bates Manufacturing Company, West Orange, N. J. Numbering machine. 2,241,450; May 13.

Fabbrica Italiana Magneti Marelli Società Anonima. (See Alfieri, Giuseppe, assignor.)

Fabbrica Italiana Magneti Marelli Soc. An. (See Kamenarovic, Leone, assignor.)

Fague, John D., Philadelphia, Pa. Hydraulic fuel injector. 2,241,508; May 13.

Fahlstrom, Charles, and H. Walker, Moline, Ill. Locomotive frame support. 2,241,396. May 13.

Fairchild, E. E., Corporation. (See Friedrich, C. F., and Wareham, assignors.)

Falk Corporation, The. (See Reuter, Carl R., assignor.)

Feldhausen, Cyril P., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for motor driven printing presses and the like. 2,241,589; May 13.

Ferguson Brothers Manufacturing Company. (See Hanley, William, assignor.)

Ferguson, John L., assignor to J. L. Ferguson Company, Joliet, Ill. Carton sealer. 2,242,177; May 13.

Ferguson, J. L., Company. (See Ferguson, John L., assignor.)

Fermor, Arthur J., Welling, England. Means for waving the hair. 2,242,063; May 13.

Fernseh Aktiengesellschaft. (See Knick, Ulrich, assignor.)

Ferro Enamel Corporation. (See Bryant, Eugene E., assignor.)

Ffield, Paul D., Quincy, Mass., assignor, by mesne assignments, to Wingfoot Corporation, Akron, Ohio. Protection of aluminum. 2,241,638; May 13.

Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechtin mit beschränkter Haftung. (See Paetow, Heinz, assignor.)

"Fides" Gesellschaft für die Verwaltung und Verwertung von Gewerblichen Schutzrechten mit beschränkter Haftung. (See Wochinger, Eduard, assignor.)

Field, Donald C. (See Sparks, W. J., and Field.)

Field, Edward A., Jr., Chicago, Ill. Draft control. 2,241,590; May 13.

Fiese, Jesse T. (See Firstenberger, W. G., and Fiese.)

Firstenberger, Welcome G., and J. T. Fiese, Fresno, Calif. Rake teeth mounting. 2,241,878; May 13.

Fischer, Erich. (See Taube, C., Rinke, and Fischer.)

Fischer, Erich, Zurich, Switzerland. Microphone. 2,242,118; May 13.

Fishburn, Otto E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission synchronizing mechanism. 2,242,026; May 13.

Fishburn, Otto E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Transmission interlock. 2,242,027; May 13.

Fisher, Clayton F. (See Blount, W. H., and Fisher.)

Fisher, Lawrence E. (See Frank, W. H., and Fisher.)

Fist, Harry S., Los Angeles, Calif. Surgical measuring instrument. 2,241,451; May 13.

Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Engine starter. 2,241,639; May 13.

Fleischhauer, Richard, Frankfort-on-the-Main-Fechenheim, C. T. Schultis, Bergen, near Frankfort-on-the-Main, and E. Korten, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation. Monoazo dyestuffs. 2,241,774; May 13.

Flint, George W., assignor to Standard Oil Company, Chicago, Ill. Cold metal working oil. 2,241,547; May 13.

Flying Car Corporation. (See Beals, Bruce L., Jr., assignor.)

Folmer Graflex Corporation, The. (See Hineline, Edson S., assignor.)

Fonken, Martin E., Beloit, Wis., assignor of one-half to L. E. Caster, Rockford, Ill. Feeding and centering mechanism. 2,241,659; May 13.

Ford, David O., Petersburg, Va. Match box. 2,241,660; May 13.

Ford Motor Company. (See Sheldrick, Laurence S., assignor.)

Fordyce, Charles R., and J. G. Stampfli, assignors to Eastman Kodak Company, Rochester, N. Y. High viscosity cellulose ethers. 2,241,397; May 13.

Forsberg, Axel A., Stora Essingen, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Nozzle for vacuum cleaners. 2,241,775; May 13.

Fosgood Corporation. (See Foster, Samuel, Jr., assignor.)

Foster, Samuel, Jr., Cranston, R. I., assignor to Fosgood Corporation, Leominster, Mass. Hinged double comb. 2,241,879; May 13.

Franci, Londo J., Point Arena, Calif. Starter for outboard motors. 2,241,370; May 13.

Frank, William H., and L. E. Fisher, Detroit, Mich. Switch. 2,241,905; May 13.

Franks, Jerome S., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Coin collector apparatus. 2,241,452; May 13.

Freeman, Benjamin W., Cincinnati, Ohio. Ornamenting machine. 2,241,398; May 13.

Frenkel, Robert. (See Roés, Georges, assignor.)

Freund, Herman R., assignor to Intertype Corporation, Brooklyn, N. Y. Typographical slug casting machine. 2,242,178; May 13.

Friederich, Ernst. (See Aschermann, G., and Friederich.)

Friedrich, Charles F., and H. P. Wareham, Jr., assignors to E. E. Fairchild Corporation, Rochester, N. Y. Display box. 2,241,989; May 13.

Friedrichsen, Wilhelm, Ludwigshafen-on-the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Production of aliphatic branched-chain hydrocarbons of the diolefin series. 2,241,777. May 13.

Frischknecht, Ernest, Jackson Heights, assignor to The Teleregister Corporation, New York, N. Y. Indicating device. 2,241,548; May 13.

Fry, Orlander W., and H. W. Langbein, Los Angeles, Calif. Axle structure. 2,241,453; May 13.

Fryer, Louis S. J. (See Kline, H. B., and Fryer.)

Fuchs, Arthur J., assignor of one-third to A. S. Kee and one-third to L. Probst, St. Louis, Mo. Nonskid mechanism for dual wheels. 2,241,849; May 13.

Fuhrmann, Warren, Kearny, N. J., and T. F. Powers, New York, N. Y. Smoking pipe. 2,241,454; May 13.

Fuller Company. (See Meixsell, Elmer P., assignor.)

Furlong, Francis A., assignor to Autogas Corporation, Chicago, Ill. Heating system. 2,241,661; May 13.

Furnival, John M. (See Robb, J. G., Furnival, and Witt.)

Füssenhäuser, Herbert, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany. Machine tool. 2,242,028; May 13.

Gabor, Barbara, Milwaukee, Wis. Herbarium. 2,242,119; May 13.

Gabor, Dennis. (See Anderson, J. T., Gabor, Warren, and Wells.)

Gaboury, Lucien E., assignor to Allied Steel & Conveyors, Inc., Detroit, Mich. Trolley conveyer. 2,242,065; May 13.

Gaebel, Alfred, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Vacuum vessel. 2,241,904; May 13.

Gallineau, George H. (See Winfield, Edward A., assignor.)

Gantzer, Howard E., Kenmore, asignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Container capping machine. 2,241,455; May 13.

Garbe, Howard W., Hinsdale, and H. Saravalli, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for wiring electrical units. 2,241,880; May 13.

Gardiner, Ernest L., Middlesex County, assignor to Simmonds Development Corporation Limited, London, England. Holder for piezoelectric devices. 2,242,120; May 13.

Gardner Displays Company. (See Wallace, Fred C., assignor.)

Garner, Lue O., and F. Montesi, Memphis, Tenn. Vending machine. 2,241,662; May 13.

Gates, John C., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Calculating machine. 2,241,591; May 13.

Gavin, Beauford E. (See Wasson, S. C., Gavin, and Pollard.)

Gehlert, Richard S., Jr. (See Gehlert, Richard S., Sr., and R. S., Jr.)

Gehlert, Richard S., Sr., and R. S. Jr., assignors to R. S. Gehlert & Co., Detroit, Mich. Commercial coffee urn. 2,241,990; May 13.

Gehlert, R. S., & Co. (See Gehlert, Richard S., Sr., and R. S. Jr., assignors.)

Gelinas, Ralph J., South Weymouth, assignor to Eastern Tablet Corporation, Boston, Mass. Notebook. 2,242,064; May 13.

General Aniline & Film Corporation. (See Fleischhauer, R., Schultis, and Korten, assignors.)

General Aniline & Film Corporation. (See Friedrichsen, Wilhelm, assignor.)

General Aniline & Film Corporation. (See Reppe, W., Steinhofer, and Hecht, assignors.)

General Aniline & Film Corporation. (See Taube, C., and Rinke, assignors.)

General Aniline & Film Corporation. (See Taube, C., Rinke, and Fischer, assignors.)

General Aniline & Film Corporation. (See Weihe, A., and Herrlein, assignors.)

General Electric Company. (See Aigner, V., and Nerlich, assignors.)

General Electric Company. (See Anderson, J. T., Gabor, Warren, and Wells, assignors.)

General Electric Company. (See Aschermann, G., and Friederich, assignors.)

General Electric Company. (See Blewett, J. P., and Ramo, assignors.)

General Electric Company. (See Clark, Frank M., assignor.)

General Electric Company. (See Hüniger, M., and Panke, assignors.)

General Electric Company. (See Iwasaki, T., and Tsuji, assignors.)

General Electric Company. (See Leader, Charles C., assignor.)

General Electric Company. (See Martin, Kenneth G., assignor.)

General Electric Company. (See Macmillan, Campbell, assignor.)

General Electric Company. (See Malmberg, Sture J., assignor.)

General Electric Company. (See Pritchard, Franklin H., assignor.)

General Electric Company. (See Smith, Arthur R., assignor.)

General Electric Company. (See Suits, Chauncey G., assignor.)

General Electric Company. (See Teker, J. W., and Rhoads, assignors.)

General Electric Company. (See Thompson, Edward S., assignor.)

General Electric X-Ray Corporation. (See Atlee, Zed J., assignor.)

General Electric X-Ray Corporation. (See Call, Lloyd L., assignor.)

General Motors Corporation. (See Birt, H. B., Pritchard, and Daily, assignors.)

General Motors Corporation. (See Brill, William E., assignor.)

General Motors Corporation. (See Claytor, Edward M., assignor.)

General Motors Corporation. (See De Roo, William C., assignor.)

General Motors Corporation. (See Nichols, C. A., and Bish, assignors.)

General Motors Corporation. (See Parker, Leslie O., assignor.)

General Motors Corporation. (See Simon, Lewis B., assignor.)

General Steel Castings Corporation. (See Nystrom, K. F., Beckette, assignor, and Green.)

Gesellschaft für Linde's Eismaschinen A. G. (See Krause, Georg A., assignor.)

Gfeller, John H., assignor of one-half to F. A. Davis & Sons, Baltimore, Md. Stencil printing. 2,241,380; May 13.

Ghosh, Ajoy K., Calcutta, India. Substation telephone set. 2,242,121; May 13.

Giancola, Nicholas, Guttenberg, N. J. Presser foot and multiple gauge for sewing machines. 2,241,778; May 13.

Gilbert, Ronald A., et al. (See Treloar, William P., assignor.)

Giles, Robert B. (See Rosenthal, Helman, assignor.)

Gillett, William G., and V. C. Sharp, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Pressure bar for fountain pens. 2,241,850; May 13.
Gilman, Ruth C. (See de Forest, Lee, assignor.)
Gilmer, L. H., Co. (See Case, Richard Y., assignor.)
Gilstrap, Julian T., assignor of one-fourth to C. W. Critchfield, Corpus Christi, Tex. Fishing tackle. 2,241,851; May 13.
Gladding, McBeam & Company. (See Goodrich, Hobert R., assignor.)
Glover, William A., Chattanooga, Tenn., and A. S. Wimberly, Rome, Ga. Game apparatus. 2,242,122; May 13.
Glover, William C., Jr., Raytown, assignor to Cleaners Specialties, Inc., Kansas City, Mo. Drier. 2,241,702; May 13.
Gochnauer, Walter E. (See Manuel, C. J., and Gochnauer.)
Goetz, Charles, New York, N. Y. Air mixing smoking pipe and the like. 2,242,029; May 13.
Goldenberg, Seymour, Grantwood, N. J. Antiskid chain anchor device. 2,241,592; May 13.
Goldsmith, William M., Cincinnati, Ohio. Furring mounting for metal lath. 2,241,991; May 13.
Goldsmith, William M., Hamilton, Ohio. Metallic baseboard structure. 2,241,704; May 13.
Golz, Harold C., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Screw slotting apparatus. 2,241,456; May 13.
Gommel, Dewey E., assignor to E. C. Atkins and Company, Indianapolis, Ind. Hack saw. 2,241,703; May 13.
Goodrich, B. F., Company, The. (See Yohe, R. V., and Browne, assignors.)
Goodrich, Hobert R., Glendale, assignor to Gladding, McBean & Company, San Francisco, Calif. One-fire method of manufacturing ceramic articles. 2,241,705; May 13.
Goodwin, Arthur W., Oswego, Kans. Bottle drier. 2,241,947; May 13.
Gordon, Arthur, Chicago, Ill. Waste trap. 2,242,192; May 13.
Gorton, George, Machine Co. (See Henkes, P. M., and Steinbrecker, assignors.)
Gottschalck, Walter M. A. (See Bollinger, H. S. W., and Gottschalck.)
Gowdy, William F., assignor to Archer Rubber Company, Milford, Mass. Manufacture of rubber goods. 2,241,812; May 13.
Gowdy, William F., assignor to Archer Rubber Company, Milford, Mass. Apparatus for making edge beads on sheet rubber. 2,241,813; May 13.
Grady, Stephen S., Clinton, N. C. Circuit interrupter. 2,242,066; May 13.
Gramelspacher, Clarence U., Jasper, Ind. One-piece tire. 2,241,593; May 13.
Grauer, Theodor, Horn, Thurgau, Switzerland. Artificial silk thread package. 2,241,510; May 13.
Graves, Kenneth D., Ladysmith, Wis. Bag filling device. 2,241,509; May 13.
Gray, Worth, Wheaton, and F. H. MacLaren, Calumet City, assignors to Standard Oil Company, Chicago, Ill. Mold dressing. 2,241,594; May 13.
Graybill, Hershey R., Manheim, assignor to Animal Trap Company of America, Lititz, Pa. Animal trap. 2,241,948; May 13.
Green, Vernon L. (See Nystrom, K. F., Beckette, and Green.)
Greene, Joseph F., assignor to Kimble Glass Company, Vineland, N. J. Treating the surface of glass bodies. 2,241,511; May 13.
Greulich, Gerald G., Mount Lebanon, Pa. Bridge deck or floor. 2,241,512; May 13.
Griffith, Louis E., and O. Craig, assignors to Riley Stoker Corporation, Worcester, Mass. Furnace. 2,241,949; May 13.
Griffiths, John B., and A. Brown, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Railway signal and/or point control equipment. 2,241,906; May 13.
Grilli, John P. (See Mohr, A., and Grilli.)
Guanella, Gustav, Zurich, Switzerland. Modulating circuit. 2,241,595; May 13.
Guenther, Walter J., assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Receptacle for fountain pens. 2,241,852; May 13.
Guhl, Victor, assignor to Burke & James, Inc., Chicago, Ill. Sunshade and filter holder for camera lenses. 2,241,596; May 13.
Gunther, Gerard K., et al. (See Magill, Rowland R., assignor.)
Gunther, Joseph F., et al. (See Magill, Rowland R., assignor.)
Gustin, George M., assignor to The G. M. Diehle Machine Works, Wabash, Ind. Veneer jointing and gluing machine. 2,242,179; May 13.
Guyot, Sebastienne M. H. (See Loth, W. A., and Guyot.)
Hacker, Horace W., La Grange, Ill. Make-up gauge. 2,241,597; May 13.
Hagler, Lydia A., Otis Orchards, and S. E. Smith, Opportunity, Wash. Switch. 2,241,457; May 13.
Hagstrom, Gotthard, Westville, assignor to The H. B. Ives Company, New Haven, Conn. Casement window operator. 2,241,513; May 13.
Hahnemann, Walter M., and E. Kramar, Berlin, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Landing method and system for aircraft. 2,241,907; May 13.
Hall, John R., Meriden, Conn. Stop hinge. 2,241,992; May 13.
Hall, Keith W., and D. W. McCready, Ann Arbor, Mich.; said Hall assignor to Tolco, Inc., Toledo, Ohio. Conditioned display. 2,241,853; May 13.
Hall, Keith W., and D. W. McCready, Ann Arbor, Mich.; said Hall assignor to Tolco, Inc., Toledo, Ohio. Air conditioned display compartment. 2,241,854; May 13.
Hall Laboratories, Inc. (See Reimann, Albert, assignor.)
Hammer, Irvin G., Washington, D. C., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,241,993; May 13.
Hanley, William, East Orange, assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Folding chair. 2,241,881; May 13.
Hannifin Manufacturing Co. (See Peterson, V. W., and Maha, assignors.)
Hansen, Merrill E., assignor to American Anode Inc., Akron, Ohio. Manufacture of sheet rubber. 2,241,814; May 13.
Hanson, Alden W. (See Dreisbach, R. R., Stoesser, and Hanson.)
Harbaugh, Watson D. (See Strauss, A., and Harbaugh.)
Hardin, Ernest E., Waxahachie, Tex. Hair clippers. 2,241,719; May 13.
Harmon, Jesse. (See Brubaker, M. M., and Harmon.)
Harmsen, Herman. (See Wallace, James M., assignor.)
Harris, Henry H., Champaign, Ill. Conveying means. 2,241,399; May 13.
Harris, James W., Bedford, assignor to The Palode Engineering Company, Cleveland, Ohio. Dolly. 2,242,067; May 13.
Harris, James W., Bedford, asssignor to The Palode Engineering Company, Cleveland, Ohio. Wheelbarrow. 2,242,068; May 13.
Hartford-Empire Company. (See Mulholland, Vergil, assignor.)
Hartmann, Walter, Paterson, N. J., assignor to Alfred Hofmann, Inc., New York, N. Y. Plating attachment for full-fashioned knitting machines. 2,241,779; May 13.
Harvey, Jacquelin E., Jr., Cogdell, assignor of one-half to Southern Wood Preserving Company, Atlanta, Ga. Producing wood preservative. 2,241,400; May 13.
Harvey, Leo M. (See Huntley, Ernest R., assignor.)
Haskell, Robert K., U. S. Army, Berkeley, Calif. Bore center indicator. 2,241,401; May 13.
Hatcher, John W., Sr., Oildale, Calif. Rotary bit. 2,241,549; May 13.
Hatula, John E., Painesdale, Mich. Multifilament lamp. 2,241,598; May 13.
Hawley, Paul F. (See Silverman, D., and Hawley.)
Haynes, Thomas O., Dana Point, Calif. Door opening device. 2,241,994; May 13.
Hayslett, La Mar E., Kenmore, and F. M. Schmidt, North Tonawanda, N. Y., assignors to The Rudolph Wurlitzer Company, Cincinnati, Ohio. System of communication. 2,241,663; May 13.
Heberlein Patent Corporation. (See Beck, Hans, assignor.)
Hecht, Otto. (See Reppe, W., Steinhofer and Hecht.)
Hecht, Rudolph A., Maywood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Designation strip. 2,241,882; May 13.
Heckman, John A., assignor to Miller Wrapping and Sealing Machine Company, Chicago, Ill. Gluing and sheeting machine. 2,241,664; May 13.
Heffner, Joseph F. (See Croce, A., and Heffner.)
Heiniger, Walter, Lucerne, Switzerland. Ball return device for bowling games. 2,242,069; May 13.
Heisterberg, Laura J., Sedalia, Mo. Shield. 2,241,855; May 13.
Heizer, Edward J., West Caldwell, N. J., assignor to Congoleum-Nairn Inc. Roll package. 2,241,458; May 13.
Held, Joseph, West Reading, assignor to Textile Machine Works, Wyomissing, Pa. Loop modifying mechanism of straight knitting machines. 2,242,070; May 13.
Hemley, John D., Ottawa, Ill., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Conveyer. 2,241,640; May 13.
Hendrickson, Ralph E., Glendale, assignor to Lane-Wells Company, Los Angeles, Calif. High angle well surveying instrument. 2,241,550; May 13.
Henkes, Peter M., and F. Steinbrecker, assignors, by mesne assignments, to George Gorton Machine Co., Racine, Wis. Machine tool adapted for the production of cherrying cuts or substantially similar work. 2,242,123; May 13.
Hennig, Fritz, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telegraph transmitter. 2,241,780; May 13.
Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Treating copper alloy castings. 2,241,815; May 13.
Hensel, Franz R., and K. L. Emmert, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Silver electric contact. 2,241,816; May 13.
Herman, John L., and E. Reidenbach, assignors of thirty-three and one-third percent to J. Archer, Fort Wayne, Ind. Broken yarn detector. 2,241,720; May 13.

Herman, Kenneth R., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,241,665; May 13.
Herrlien, Fritz. (See Weihe, A., and Herrlein.)
Herrmann, Heinrich, assignor to Süddeutsche Apparate-Fabrik G. m. b. H., Nuremberg, Germany. Rectifier device. 2,241,908; May 13.
Herrstrom, Charles E., Lakewood, and F. J. Samerdyke, Rocky River, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Manufacture of rubber thread or the like. 2,241,856; May 13.
Hesser, Edwin B., assignor to Natural Color Corporation, West Hollywood, Calif. Art of color photography. 2,241,402; May 13.
Hicks, Harold A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Vehicle suspension. 2,242,030; May 13.
Hineline, Edson S., assignor to The Folmer Graflex Corporation, Rochester, N. Y. Self-capping shutter mechanism. 2,242,124; May 13.
Hineman, George L., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Undercarriage mechanism for vehicles. 2,242,125; May 13.
Hisaw, Otto B., Susanville, Calif. Fire fighting apparatus. 2,241,857; May 13.
Hjärpe, Eric Georg, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden. Machine for grinding bodies of rotation with curved generatrices. 2,242,031; May 13.
Hoffman, Rose, Hartford, Conn. Garment marker. 2,242,071; May 13.
Hofmann, Alfred, Inc. (See Hartmann, Walter, assignor.)
Holman, Arthur J., East Orange, N. J. Optical economizer. 2,241,403; May 13.
Holmes, Bradford B., New York, and W. A. Reichel, Bellerose, assignors to Bendix Aviation Corporation, Bendix, N. J. Remote indicator. 2,242,126; May 13.
Holmes, Charles H., assignor of two-thirds to S. R. McClure and one-third to W. T. Robinson, Russell Springs, Ky. Tool for opening cardboard cartons and other containers. 2,241,995; May 13.
Holmquist, Ivar H. R., Stockholm, Sweden. Pane retaining means. 2,242,127; May 13.
Holslag, Claude J., South Orange, assignor to Electric Arc Cutting & Welding Company, Newark, N. J. Load supervisory control means for a mechanical speed governor. 2,242,072; May 13.
Homer Laughlin China Company, The. (See Emerson, Walter H., assignor.)
Hoover Company, The. (See Smellie, Donald G., assignor.)
Hopkes, Henry, Grosse Pointe, assignor to No-Sag Spring Company, Detroit, Mich. Cushion construction. 2,241,551; May 13.
Hopkes, Henry, Grosse Pointe, assignor to No-Sag Spring Company, Detroit, Mich. Day bed. 2,241,552; May 13.
Hoppe, William, assignor to National Bread Wrapping Machine Co., Springfield, Mass. Article handling mechanism for wrapping machines. 2,241,721; May 13.
Hornsby, John, assignor to British Belting & Asbestos Limited, London, England. Conveyer belting. 2,242,128; May 13.
Hostetter, John C., West Hartford, Conn., assignor to Corning Glass Works, Corning, N. Y. Method and apparatus for making optical glass. 2,242,129; May 13.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,241,381; May 13.
Houk, Addison R., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Mask. 2,242,032; May 13.
Houseman, Harold E., assignor to Scott and Williams, Incorporated, Laconia, N. H. Knitting machine. 2,241,404; May 13.
Hoven, Alfred C., and W. E. Nordmark, assignors to American Seating Company, Grand Rapids, Mich. Chair seat. 2,241,909; May 13.
Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Package. 2,241,459; May 13.
Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 2,241,817; May 13.
Hoza, John, Zlin, Czechoslovakia. Making shoes. 2,241,599; May 13.
Hruska, Joseph J., Milwaukee, Wis. Segmental safety vehicle tire. 2,241,858; May 13.
Hueter, Oscar M., Jr., Ross, Calif. Grader and attachment therefor. 2,241,666; May 13.
Hull, Thomas E., Oakland, Calif. Internal combustion engine. 2,241,910; May 13.
Hultquist, Martin E. (See Kuh, E., and Hultquist.)
Hüniger, Magdalene, Berlin-Charlottenburg, and H. Panke, Berlin, Germany, assignors to General Electric Company, Luminescent material. 2,241,950; May 13.
Hüniger, Magdalene, Berlin-Charlottenburg, and H. Panke, Berlin, assignors to General Electric Comapny, Luminescent material. 2,241,951; May 13.
Hunsicker, Clyde L., San Francisco, Calif. Removal of vapor from gases. 2,241,600; May 13.
Hunt, Ernest K., Jackson Heights, assignor, by mesne assignments, to International Tissue Corp., New York, N. Y. Upholstery. 2,242,073; May 13.
Huntley, Ernest R., Los Angeles, assignor to L. M. Harvey, La Canada, Calif. Compressor. 2,241,460; May 13.
Huppert, William, New York, N. Y., assignor to Delamere Company, Inc. Barrette. 2,242,074; May 13.
Hurlbert, William G., Jr., Warren, Ohio. Steel stud construction. 2,241,722; May 13.
Hurley, Earl H., Emporium, Pa. Portable climber. 2,241,859; May 13.
Huse, John O. (See Berg, A. J., and Huse.)
Hutchison, William G., Portsmouth, Ohio. Cozy bag. 2,242,130; May 13.
Hyde, James F., Corning, N. Y., and S. M. Dockerty, Newark, Ohio, assignors to Owens-Corning Fiberglas Corporation. Apparatus for gathering fibers. 2,241,405; May 13.
Hydraulic Brake Company. (See Loweke, Erwin F., assignor.)
Hydraulic Development Corp., Inc. (See MacMillin, H. F., and Thoreson, assignors.)
Hydraulic Press Corp., Inc. (See Ernst, Walter, assignor.)
Hygrade Sylvania Corporation. (See Ellefson, Bennett S., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Nicodemus, O., and Schmidt, assignors.)
I. G. Farbenindustie Aktiengesellschaft. (See Platz, K., Bücking, Smeykal, and Asinger, assignors.)
Imperial Chemical Industries Limited. (See Ingram, Louis K., assignor.)
Imperial Chemical Industries Limited. (See Levy, Norman, assignor.)
Industrial Rayon Corporation. (See Herrstrom, C. E., and Samerdyke, assignors.)
Industrial Rayon Corporation. (See Jordan, Lavern J., assignor.)
Industrial Rayon Corporation. (See Kline, H. B., and Fryer, assignors.)
Ingham, Herbert S., Jamaica, assignor to Metallizing Engineering Company, Inc., Long Island City, N. Y. Mold. 2,241,996; May 13.
Ingram, Louis K., Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Fuse head and composition for use therefor. 2,241,406; May 13.
International Nickel Company, The. (See Queneau, P. E., and Mudge, assignors.)
International Paper Company. (See Lang, F. J., assignor, and Walker.)
International Standard Electric Corporation. (See Brown, A., and Woodward, assignors.)
International Standard Electric Corporation. (See Griffiths, J. B., and Brown, assignors.)
International Standard Electric Corporation. (See Roche, Alleman H., assignor.)
International Standard Electric Corporation. (See Strong, Charles E., assignor.)
International Telephone Development Co. Inc. (See Alford, Andrew, assignor.)
International Telephone Development Co. Inc. (See Klein, Norman E., assignor.)
International Tissue Corp. (See Hunt, Ernest K., assignor.)
Intertype Corporation. (See Freund, Herman R., assignor.)
Iowa State College Research Foundation. (See Shedd, C. K., and Collins, assignors.)
Ives, H. B., Company, The. (See Hagstrom, Gotthard, assignor.)
Ivey, William G., Sr., Amarillo, Tex. Steam press head. 2,241,997; May 13.
Iwasaki, Tadashi, and F. Tsuji, Tokyo, Japan, assignors to General Electric Company. Traffic signaling system. 2,241,998; May 13.
Jackson, Joseph G., Oak Park, assignor to The Edward Katzinger Company, Chicago, Ill. Baking pan. 2,241,781; May 13.
Jacoby, Enos R., Muskegon County, assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Fuel induction system. 2,241,461; May 13.
Jaeger, Gustav, Neu-Isenburg, and A. Rudert, assignors to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Recovery of beryllium metal. 2,241,514; May 13.
Jamison, W. J., Company, The. (See Cullerton, Orville F., assignor.)
Jeannette Glass Company, The. (See Brady, Hugh S., assignor.)
Jendrassik, George, Budapest, Hungary. Gas turbine. 2,241,782; May 13.
Jepson, Ivar, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Making combs for shaving implements. 2,242,180; May 13.
Jodoin, Lionel R., Providence, R. I. Freight car door closure. 2,242,132; May 13.
Johns-Manville Corporation. (See Rembert, Ernest W., assignor.)
Johnsen, Richard C., and H. C. Smith, West Orange, N. J. Metal cutting tool. 2,242,033; May 13.
Johnson, Allen J. (See Mulcey, P. A., and Johnson.)
Johnson, Ira P., Melrose, N. Mex. Gauge. 2,242,131; May 13.
Johnston, William, Jr., Wilkinsburg, Pa. Cinder pot. 2,241,818; May 13.
Johnston, William, Jr., Wilkinsburg, Pa. Cinder pot assembly. 2,242,075; May 13.

Jones, Ernest J. H., Wembley, assignor to The Associated Equipment Company, Limited, Southall, Middlesex, England. Electric control system. 2,242,076; May 13.

Jones, Frank D., assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Windrow pickup press. 2,242,077; May 13.

Jordan, Lavern J., Fairview Village, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for manufacturing thread or the like. 2,241,723; May 13.

Journal Box Servicing Corporation. (See Bissell, William T., assignor.)

Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Klein, Friedrich, assignor.)

Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Wagner, Herbert, assignor.)

Kadel, Byers W., Baltimore, Md., and G. B. Kadel, Brooklyn, N. Y. Photographic printing machine. 2,241,462; May 13.

Kadel, George B. (See Kadel, Byers W. and G. B.)

Kallo, Inc. (See Elssner, E., and Pester, assignors.)

Kallmann, Heinz E., Ealing, London, and R. E. Spencer, West Ealing, London, assignors to Electric & Musical Industries, Limited, Hayes, Middlesex, England. Television system. 2,241,553; May 13.

Kamenarović, Leone, assignor to Fabbrica Italiana Magneti Marelli Soc. An., Milan, Italy. Manipulating kneb. 2,241,724; May 13.

Kaminsky, Michael, New Britain, Conn. Hedge trimmer. 2,241,999; May 13.

Kapinos, Frank J., assignor to Moran Brothers, New Haven, Conn. Combination bowl and rim brush. 2,242,004; May 13.

Karst, Clarence E., assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio. Cigarette making device. 2,242,000; May 13.

Katzinger, Edward, Company, The. (See Jackson, Joseph G., assignor.)

Kauffman, Clayton O., Fullerton, Calif., assignor to Electro String Instrument Corporation. Stringed musical instrument. 2,241,911; May 13.

Kee, Arthur S., et al. (See Fuchs, Arthur J., assignor.)

Keller, Elizabeth D., Columbus, Ohio. Ground supported plant holder. 2,241,463; May 13.

Kelly, John P. (See Rohde, O. C., and Kelly.)

Kemp, Oliver C., Little Rock, Ark. Safety master lock. 2,242,133; May 13.

Ken-Tool Manufacturing Company. (See Pearce, G. T., and Leidel, assignors.)

Kendig, Albert C., Jr., assignor of one-third to F. W. Clampett, Los Angeles, and one-third to R. E. Clampett, Manhattan Beach, Calif. Production of motion pictures of three-dimensional animated objects. 2,241,929; May 13.

Kennedy, Frank J., Brooklyn, N. Y., assignor to National Electric Products Corporation. Floor duct. 2,241,783; May 13.

Kennedy, Homer R., Los Angeles, Calif. Sheet metal forming machine. 2,242,204; May 13.

Kent, Frederick J., Glen Rock, N. J., and G. H. Seelig, Lansdale, Pa.; said Kent assignor, by mesne assignments, to said Seelig. Wound package and method of making the same. 2,242,001; May 13.

Kerr, Paul W., assignor to Henry Weis Manufacturing Company, Inc. Shower bath cabinet. 2,241,860; May 13.

Kersten, Martin, Berlin-Siemensstadt, and A. Weis, Berlin-Charlottenburg, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Arrangement for coil winding with magnetizable cores. 2,241,912; May 13.

Kessler, Harry, Brooklyn, N. Y. Vacuum cleaner bag. 2,241,601; May 13.

Kimball Glass Company. (See Greene, Joseph F., assignor.)

Kimball, Warren A., Deming, assignor of forty-eight per cent to G. C. Dawson, Silver City, N. Mex. Rod coupling. 2,242,078; May 13.

King, Walter. (See Minard, Everett S., assignor.)

Kinyon, Brice W., Bloomfield, N. J., assignor to Radio Corporation of America. Heater winder. 2,241,602; May 13.

Kirschbraun, Lester, assignor to The Patent and Licensing Corporation, New York, N. Y. Roofing element. 2,241,603; May 13.

Kirschbraun, Lester, New York, N. Y., and R. H. Cuberley, Rutherford, N. J., assignors to The Patent and Licensing Corporation, New York, N. Y. Composition roofing material. 2,241,819; May 13.

Klein, Friedrich, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Control device. 2,242,002; May 13.

Klein, Norman E., Chicago, Ill., assignor, by mesne assignments, to International Telephone Development Co. Inc., New York, N. Y. Direction finder arrangement. 2,241,883; May 13.

Klein, Schanzlin & Becker Aktiengesellschaft. (See Bollinger, H. S. W., and Gottschalck, assignors.)

Kline, Hayden B., and L. S. Fryer, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for manufacturing thread or the like. 2,241,725; May 13.

Knapp-Monarch Company. (See Schmid, Edward C., assignor.)

Knibbs, Norman V. S., New Barn, Longfield, and A. P. Pehrson, Streatham, London, assignors to The Continental Investment Syndicate Limited, London, England. Manufacture of artificial stone. 2,241,604; May 13.

Knick, Ulrich, Berlin-Steglitz, assignor to Fernseh Aktiengesellschaft Zehlendorf, near Berlin, Germany. Scanning method for storage tubes. 2,242,034; May 13.

Knox Stove Works. (See Biddle, William P., Jr., assignor.)

Knox Stove Works. (See Sanford, Hugh W., assignor.)

Koch, Sampson D., Eldred, Pa. Electric motor driven toothbrush. 2,241,464; May 13.

Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. High frequency antenna and transmission line. 2,241,913; May 13.

Koelling, Edward A., St. Louis, Mo. Loose leaf binder device. 2,242,035; May 13.

Köhn, Claus H., Rapperswil, St. Gallen, assignor to K. Seiler, Zurich, Switzerland. Roller chain. 2,241,820; May 13.

Kold-Hold Manufacturing Company. (See McGuffey, Orton S., assignor.)

Korten, Ernst. (See Fleischhauer, R., Schultis, and Korten.)

Koschmieder, Kurt, Falkensee, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Toroidal coil. 2,241,914; May 13.

Kottmann, Arthur A., Davenport, Iowa, assignor to Micro-Westco, Incorporated, Bettendorf, Iowa. Feed mechanism for slicing machines. 2,242,181; May 13.

Kramar, Ernst. (See Hahnemann, W. M., and Kramar.)

Kramar, Ernst, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Direction-finding system. 2,241,915; May 13.

Krause, Georg A., assignor to Gesellschaft für Linde's Eismaschinen A. G., Hollriegelskreuth, near Munich, Germany. Separation of ice and concentrate. 2,241,726; May 13.

Krebs, Kellogg, Berkeley, and L. E. Tucker, Monrovia, Calif., assignors to American Cyanamid Company, New York, N. Y. Wetting agents in amalgamation. 2,241,605; May 13.

Krempler, Florence, Stapleton, Staten Island, N. Y. Toy. 2,241,465; May 13.

Krogh, Anker E., and J. P. Vollrath, assignors to The Brown Instrument Company, Philadelphia, Pa. Gas analysis apparatus. 2,241,555; May 13.

Kropscott, Earle L., assignor to The Dow Chemical Company, Midland, Mich. Granular article containing cellulose ether and wax. 2,241,706; May 13.

Kuh, Erwin, New Brunswick, and M. E. Hultquist, North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparing 2-aminopyrimidine. 2,242,079; May 13.

Kurzina, Stanley B., Jr., Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Sprocket-removing fixture. 2,242,080; May 13.

Kysor, Karl D., Northville, Mich., assignor of one-half to C. Reedy, Cincinnati, Ohio. Two speed transmission for axles. 2,241,606; May 13.

L. T. Corporation. (See Tench, Frederick, assignor.)

Lachman, Laurence S., Forest Hills, N. Y. Structural member. 2,241,952; May 13.

Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sole and shoe positioning device. 2,241,515; May 13.

Lane-Wells Company. (See Barnes, Charles H., assignor.)

Lane-Wells Company. (See Hendrickson, Ralph E., assignor.)

Lane-Wells Company. (See Spencer, Lloyd, assignor.)

Lang, Frank J., Niagara Falls, and F. A. Walker, Tonawanda, N. Y.; said Lang assignor to International Paper Company. Apparatus for manufacturing paper. 2,241,554; May 13.

Lang, Richard, Ravensburg, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Germany. Synchromission and brake control for hoists. 2,242,193; May 13.

Langbein, Harold W. (See Fry, O. W., and Langbein.)

Langel, Adrien L., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill. Baking pan. 2,241,707; May 13.

Langille, Wilfred O., Chester, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Protective covering for vacuum cleaners. 2,241,862; May 13.

Lankelma, Herman P. (See Burk, R. E., and Lankelma.)

Lapointe, Francis J., Ann Arbor, Mich. Broach. 2,242,036; May 13.

Larsen, Earl I. (See Hensel, F. R., and Larsen.)

Larson, Homer W., Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Tool. 2,241,784; May 13.

Lathrop, William G. (See Rushfeldt, Ferdie M., assignor.)

Lawler, Frank P., Huntington Park, Calif. Power transmission and brake control for hoists. 2,242,193; May 13.

Layng, Edwin T., Jersey City, N. J., assignor to Process Management Company, Inc., New York, N. Y. Treatment of hydrocarbons. 2,241,708; May 13.

Leader, Charles C., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,242,005; May 13.

Leader, Charles C., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,242,006; May 13.

Leader, Charles C., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,242,007; May 13.

Leader, Charles C., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,242,008; May 13.

Leader, Charles C., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,242,009; May 13.

Lectrolite Corporation. (See Schlosser, Harold L., assignor.)

Ledin, Sven H., assignor to N. G. Shönander, Stockholm, Sweden. X-ray secondary diaphragm. 2,241,516; May 13.

Leidel, Harold J. (See Pearce, G. T., and Leidel.)

Lethelin Products Co. (See Wittwer, G. G., and Stieh, assignors.)

Lett, James E., assignor of one-third to T. Montgomery, San Angelo, Tex. Traffic line apparatus. 2,241,883; May 13.

Levin, Michael, Akron, Ohio, assignor of four-tenths to J. T. Basseches, New York, N. Y. Molding cork products and similar material. 2,242,037; May 13.

Levy, Norman, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Removal of thiocnates from solution. 2,241,709; May 13.

Libbey-Owens-Ford Glass Company. (See Hemley, John D., assignor.)

Liberatoscioli, John A., Pittsburgh, Pa. Control mechanism for hydraulic and/or air brakes. 2,241,407; May 13.

Linde Air Products Company, The. (See Wall, Matthew J., assignor.)

Lindsay Wire Weaving Company, The. (See Martin, Francis D., assignor.)

Lindstrom, Charles A. J. (See Taylor, Andrew A., assignor.)

Line Material Company. (See Schultz, William O., assignor.)

Linford, Henry B. (See Zischkau, C., and Linford.)

Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,241,785; May 13.

Logan, George L., assignor to Tompkins Bros. Co., Syracuse, N. Y. Knitted fabric. 2,241,727; May 13.

Logansport Machine, Inc. (See Cotner, John C., assignor.)

Loimann, Anton. (See Richter, Max, and Loimann.)

Long, Frank C., Erie, Pa. Machine for evacuating and exerting pressure on fluids. 2,241,607; May 13.

Long, Sidney L., assignor to R. W. Anderson, Minneapolis, Minn. Folding rocking chair. 2,242,081; May 13.

Lord, Hugh C., assignor to Lord Manufacturing Company, Erie, Pa. Mounting. 2,241,408; May 13.

Lord Manufacturing Company. (See Lord, Hugh C., assignor.)

Lorenz, C., Aktiengesellschaft. (See Eggers, Hans, assignor.)

Lorenz, C., Aktiengesellschaft. (See Gaebel, Alfred, assignor.)

Lorenz, C., Aktiengesellschaft. (See Koschmieder, Kurt, assignor.)

Lorenz, C., Aktiengesellschaft. (See Kramar, Ernst, assignor.)

Lorenz, C., Aktiengesellschaft. (See Müller, Ernst, assignor.)

Lorenz, C., Aktiengesellschaft. (See Neidhardt, Peter, assignor.)

Lorenz, C., Aktiengesellschaft. (See Ottenberger, E., and Pühmeyer, assignors.)

Lorenz, C., Aktiengesellschaft. (See Rensch, Heinz, assignor.)

Lorenzo, Frank A., Punxsutawney, Pa. Method and apparatus for reduction of fracture of femur. 2,242,003; May 13.

Lose, Charles, Jr., Cranford, N. J. Filtration tank and filter bed cleaning means therefor. 2,242,082; May 13.

Loth, William A., and S. M. H. Guyot, Paris, France. Stabilization of rotating lifting systems. 2,241,786; May 13.

Lovelace, William R. (See Boothby, W. M., Bulbulian, and Lovelace.)

Lovick, Frank, assignor to Twin City Bedding Company, St. Paul, Minn. Pad or cushion for toboggans and the like. 2,241,466; May 13.

Loweke, Erwin F., assignor to Hydraulic Brake Company, Detroit, Mich. Brake. 2,241,728; May 13.

Lowey, Roy E., Evanston, assignor to Container Corporation of America, Chicago, Ill. Container. 2,241,710; May 13.

Lowey, Roy E., Evanston, assignor to Container Corporation of America, Chicago, Ill. Container sealing machine. 2,241,711; May 13.

Ludwig, Arnold E., Asbury Park, N. J. Automatically adjustable valve tappet. 2,241,821; May 13.

Lundberg Exploration S. A. (See Zuschlag, Theodor, assignor.)

Lurie, August J., Chicago, Ill. Cutting device. 2,241,608; May 13.

Lutz, Raymond H., et al. (See Burbank, John E., assignor.)

Lynn, Percy J., Harringay, London, England. Comb case. 2,242,134; May 13.

Maccarone, Fred, Brooklyn, N. Y., assignor of one-half to F. Sbicca, Philadelphia, Pa. Shoe. 2,241,467; May 13.

MacGlashan, William F., Jr. (See Evenstad, S. T., Clapp, and MacGlashan.)

MacGregor, Bertha L., trustee. (See Roessner, William L., assignor.)

Mack Manufacturing Corporation. (See Day, William E., Jr., assignor.)

Mackintosh-Hemphill Company. (See McConnell, William M., assignor.)

MacLaren, Frederick H. (See Gray, W., and MacLaren.)

Macmillan, Campbell, Scotia, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,242,010; May 13.

MacMillin, Howard F., Mount Gilead, Ohio, and R. Thoreson, Birmingham, Mich., assignors to The Hydraulic Development Corp., Inc., Wilmington, Del. Photoelectrically controlled press. 2,241,556; May 13.

Magill, Rowland R., Atlanta, Ga., assignor to J. F. and G. K. Gunther, University City, Mo. Composition for clarifying water. 2,241,641; May 13.

Maha, Otto J. (See Peterson, V. W., and Maha.)

Maher, William E., St. Paul, Minn. Dumping apparatus. 2,241,953; May 13.

Maier, George M., Mount Lebanon, Pa., assignor to American Radiator & Standard Sanitary Corporation, New York, N. Y. Heating apparatus. 2,241,864; May 13.

Mallory, P. R., & Co. (See Hensel, F. R., and Emmert, assignors.)

Mallory, P. R., & Co. Inc. (See Hensel, F. R., and Larsen, assignors.)

Malmberg, Sture J., Schenectady, N. Y., assignor to General Electric Company. Strain gauge. 2,242,011; May 13.

Mankoff, Henry J., Wichita, Kans. Grinding machine for shelled corn or other grain. 2,241,667; May 13.

Manuel, Charles J., and W. E. Gochnauer, Dover, N. H., assignors to American Sales Book Company, Inc., Niagara Falls, N. Y. Record strip control for autographic registers. 2,242,012; May 13.

Marholz, Richard C. (See Plensler, A. W., and Marholz.)

Marsh, Kirtland, assignor to Aluminum Company of America, Pittsburgh, Pa. Wall supporting structure. 2,241,822; May 13.

Martin, Alphonse, Saint-Ouen, France. Photographic or cinematographic camera or the like. 2,242,013; May 13.

Martin, Francis D., assignor to The Lindsay Wire Weaving Company, Cleveland, Ohio. Seam for woven wire fabric. 2,241,668; May 13.

Martin, Kenneth G., Schenectady, N. Y., assignor to General Electric Company. Electric contact brush and connector. 2,242,014; May 13.

Martin, Lynn P., and H. K. Stempel, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa. Fountain pen. 2,241,865; May 13.

Martindell, Frank. (See Blaisdell, C. O., and Martindell.)

Maschinenfabrik Ausgburg-Nürnberg A. G. (See Füssenhäuser, Herbert, assignor.)

Mason, Richard C., Tulsa, Okla., assignor of three-sixteenths to C. Egan, Washington, Pa. Shock absorber. 2,241,409; May 13.

Maurer, Conrad B., assignor to Maurer Paint Company, Philadelphia, Pa. Scenery paper. 2,241,410; May 13.

Maurer Paint Company. (See Maurer, Conrad B., assignor.)

Maybach-Motorenbau G. m. b. H. (See Lang, Richard, assignor.)

McAra, Peter G. (See Olson, F. E., and McAra.)

McCann, Elizabeth S., administratrix. (See McCann, Joseph A.)

McCann, Joseph A., Swansea, Mass., deceased; E. S. McCann, administratrix. Machine for flock printing. 2,242,182; May 13.

McCaskey Register Company, The. (See Clark, Harold W., assignor.)

McCauley, Willis J., assignor to The Celotex Corporation. Chicago, Ill. Prefabricated unit comprising siding and sheathing. 2,241,642; May 13.

McClelland, Anna. (See McClelland, Edward H. and J. A., assignors.)

McClelland, Edward H. and J. A. assignors to A. McClelland, Cleveland, Ohio. Clamping device. 2,241,609; May 13.

McClelland, John A. (See McClelland, Edward H. and J. A.)

McClure, Stanley R., et al. (See Holmes, Charles H., assignor.)

McConnell, William M., McKeesport, Pa., assignor to Mackintosh-Hemphill Company. Reel block. 2,241,669; May 13.

McCordic, James R., Royal Oak, assignor to Chrysler Corporation, Highland Park, Mich. Gearshift control mechanism. 2,242,038; May 13.

McCready, Donald W. (See Hall, K. W., and McCready.)

McCullough, Gerald W. (See Buddrus, E., and McCullough.)

McCurdy, Howard, Walnut Park, Calif. Slicing, orbit function fluid stream muffler. 2,241,729; May 13.

McEachern, Alexander. (See Noyer, A. L., and McEachern.)

McFarland, Artie F. (See McFarland, Willie M. and A. F.)
McFarland, Willie M. and A. F., Houston, Tex. Washing and irrigating device. 2,241,823; May 13.
McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel burner control system. 2,242,183; May 13.
McGuffey, Orton S., assignor to Kold-Hold Manufacturing Company, Lansing, Mich. Refrigeration. 2,241,411; May 13.
McKee, Garnet W. (See Campbell, Donald A., assignor.)
McKinney, Ansel, Jr., El Paso, Tex. Nail polish brush guide. 2,242,016; May 13.
McKinney, Sidney R., Tulsa, Okla. Counter scale. 2,241,730; May 13.
McMaster, Archie J., Highland Park, assignor to Rayolite Rifle Range Company, Chicago, Ill. Electric target range. 2,241,670; May 13.
McMullen, John C. (See Benner, R. C., and McMullen.)
McNally, George, New Castle, Pa. Milk cooler and strainer. 2,241,916; May 13.
McNally, James G. (See Dickey, J. B., and McNally.)
McNamara, John J., assignor to Oil Well Drill-Ltd., Chicago, Ill. Drill. 2,241,712; May 13.
McNaught, Beatrice A., et al. (See Treloar, William P., assignor.)
Meade, Alexis E. and M. L., Lakewood, Ohio. Knife sharpener. 2,241,412; May 13.
Meade, Margaret L. (See Meade, Alexis E. and M. L.)
Mehlis, Kurt, and W. Mühlberg, Berlin, assignors to Mix & Genest Aktiengesellschaft, Berlin-Schoneberg, Germany. Tubular conveyer system. 2,241,917; May 13.
Meinke, Hans. (See Buschbeck, W., and Meinke.)
Meixsell, Elmer P., Allentown, assignor to Fuller Company, Catasauqua, Pa. Compressor or vacuum pump. 2,241,718; May 13.
Mercier, Pierre E., Neuilly-sur-Seine, France. Exhaust conduit arrangement for air-cooled aircraft engines. 2,241,954; May 13.
Meredith, Carlton. (See Millican, Roy E., assignor.)
Merla Tool Company. (See Crickmer, Charles S., assignor.)
Merritt, Clifford D., Jackson, Mich. Animal drencher. 2,241,468; May 13.
Mertz, Howard A., assignor to Continental Oil Company, Ponca City, Okla. Pipe bending device. 2,242,135; May 13.
Metallizing Engineering Company. (See Ingham, Herbert S., assignor.)
Metzger, William J., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 2,242,136; May 13.
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric snap switch. 2,241,469; May 13.
Meyer, George J., Manufacturing Company. (See Cooper, William C., assignor.)
Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Pump. 2,241,824; May 13.
Michaelis, Walter, Brussels-Forest, Belgium, assignor, by mesne assignments, to Chromogen, Incorporated. Photographic printing process and image for use therein. 2,241,413; May 13.
Micro-Westco, Incorporated. (See Kottmann, Arthur A., assignor.)
Miller, Bernie, Dallas, Tex. Concave compass saw. 2,242,137; May 13.
Miller, John W., assignor to Motor Wheel Corporation, Lansing, Mich. Combustion apparatus. 2,241,470; May 13.
Miller, Paul L., Clearwater, S. C., assignor to United Merchants & Manufacturers, Inc., New York, N. Y. Printing cylinder. 2,241,671; May 13.
Miller Wrapping and Sealing Machine Company. (See Heckman, John A., assignor.)
Millican, Roy E., assignor of fifty-four and one-fourth per cent to C. Meredith, Dallas, Tex. Flow device. 2,241,643; May 13.
Minard, Everett S., Oakland, assignor to W. King, San Francisco, Calif. Filling machine. 2,241,672; May 13.
Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)
Minneapolis-Honeywell Regulator Company. (See Wilson, John M., assignor.)
Minnesota Mining & Manufacturing Company. (See Bollinger, Allan E., assignor.)
Mitchell, Henry W., Waukegan, assignor of one-half to Warner-Patterson Company, Chicago, Ill. High potential transformer testing means. 2,241,731; May 13.
Mix & Genest Aktiengesellschaft. (See Mehlis, K., and Mühlberg, assignors.)
Modjeski, Charles E. J., Philadelphia, Pa. Controlling mechanism for model railroads. 2,241,471; May 13.
Mogabgab, Winifred S., New Canaan, Conn. Handkerchief package. 2,241,673; May 13.
Mohr, Albert, Jr., and J. P. Grilli, Chicago, Ill. Gas washing apparatus. 2,241,674; May 13.
Moise, Bolton C., Pittsburgh, Pa., assignor to National Tube Company. Pipe connection. 2,241,517; May 13.
Molded Insulation Co. (See Zelov, V. I., and Strauss, assignors.)
Montesi, Fred. (See Garner, L. O., and Montesi.)
Montgomery, Theo. (See Lett, James E., assignor.)
Moore Drop Forging Company. (See Murray, Arthur T., assignor.)
Moran Brothers. (See Kapinos, Frank J., assignor.)
Morris, Howard I., Lakewood, assignor to The Yoder Company, Cleveland, Ohio. Forming machine. 2,241,414; May 13.
Moss, Benjamin, Manitowoc, Wis. Time clock. 2,241,610; May 13.
Motor Wheel Corporation. (See Miller, John W., assignor.)
Moulton, Harold R., assignor to American Optical Company, Southbridge, Mass. Ophthalmic lens. 2,241,415; May 13.
Mudge, William A. (See Queneau, P. E., and Mudge.)
Mueller, Emil G., assignor to The American Brake Company, Swissvale, Pa. Brake mechanism. 2,242,015; May 13.
Mühlberg, Walter. (See Mehlis, K., and Mühlberg.)
Mulcey, Paul A., Aldan, and A. J. Johnson, Drexel Hill Plaza, Pa., assignors to Anthracite Industries, Inc., New York, N. Y. Furnace control. 2,242,039; May 13.
Mulholland, Vergil, West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for firing and feeding batch to glass melting furnaces. 2,241,611; May 13.
Müller, Ernst, Berlin-Tempelhof, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Directional radio transmitter. 2,241,918; May 13.
Muma, George E., assignor to Divco-Twin Truck Company, Detroit, Mich. Vehicle seating and control arrangement. 2,242,138; May 13.
Munroe, Walter C., Annapolis, Md. Method and apparatus for water purification. 2,242,139; May 13.
Murphy, James T., Boston, Mass. Floor cleaning apparatus. 2,242,140; May 13.
Murphy, Lawrence J., Brooklyn, N. Y. Altar for homes. 2,242,040; May 13.
Murray, Arthur T., assignor to Moore Drop Forging Company, Springfield, Mass. Drop hammer. 2,241,787; May 13.
Murray, Arthur T., assignor to Moore Drop Forging Company, Springfield, Mass. Drop hammer. 2,241,788; May 13.
Murray Corporation of America. (See Schulz, Lorenz C., assignor.)
Mussey, William H. (See Blomberg, M. P., and Mussey.)
N. V. Dikkers, & Bargeboer. (See Bargeboer, Adolf, assignor.)
Nash, Daniel J., New York, N. Y. Key pouch. 2,242,141; May 13.
Nassau Smelting & Refining Company. (See Deitz, Louis S., Jr., assignor.)
National Bread Wrapping Machine Co. (See Hoppe, William, assignor.)
National Cash Register Company, The. (See Eickman, Willis E., assignor.)
National Electric Products Corporation. (See Kennedy, Frank J., assignor.)
National Lock Co. (See North, Edwin, assignor.)
National Malleable and Steel Castings Company. (See Metzger, William J., assignor.)
National Malleable and Steel Castings Company. (See Wasson, S. C., Gavin, and Pollard, assignors.)
National Oil Products Company. (See Price, D., and Dombrow, assignors.)
National Tube Company. (See Moise, Bolton C., assignor.)
National Tube Company. (See Offutt, John W., assignor.)
National Tube Company. (See Rosenkranz, Max, assignor.)
Naumann, Herbert, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Yarn testing device. 2,242,083; May 13.
Natural Color Corporation. (See Hesser, Edwin B., assignor.)
Needham, Paul W., South St. Paul, Minn. Rear view mirror. 2,241,866; May 13.
Neff, Joseph J. (See Williams, A. L. W., and Neff.)
Neidhardt, Peter, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Segregating synchronization impulses. 2,241,919; May 13.
Nemon, Bella, St. Louis, Mo. Nasal filter. 2,241,472; May 13.
Nerlich, Bernhard. (See Aigner, V., and Nerlich.)
New York Rubber Corporation. (See Ryan, J. V., and Davis, assignors.)
Nichols, Charles A., and R. H. Bish, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Multiply tubing. 2,241,644; May 13.
Nichols, John T., San Francisco, Calif., assignor, by mesne assignments, to The Brown Instrument Company, Philadelphia, Pa. Photometric apparatus. 2,241,557; May 13.
Nicodemus, Otto, Frankfort-on-the-Main-Hochst, and W. Schmidt, Frankfort-on-the-Main-Unterliederbach, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Process of transposing 1,2-dichlorobutene-3. 2,242,084; May 13.
Noble, Wiley B. (See Scott, G. L., and Noble.)
Noble, William W., Chicago, Ill. Filing cabinet. 2,241,884; May 13.
Nordmark, Henry P., assignor to American Seating Company, Grand Rapids, Mich. Chair seat or the like. 2,241,473; May 13.

Nordmark, Walter E. (See Hoven, A. C., and Nordmark.)
Normann, Martha, administratrix. (See Normann, Wilhelm.)
Normann, Wilhelm, Chemnitz, Germany, assignor to American Hyalsol Corporation, Wilmington, Del. Higher alcohols. 2,242,017; May 13.
Normann, Wilhelm, Chemnitz, Germany, assignor, by mesne assignments, to American Hyalsol Corporation, Wilmington, Del. Making higher aliphatic alcohols. 2,241,416; May 13.
Normann, Wilhelm, deceased, Chemnitz, Germany; M. Normann, administratrix, assignor to American Hyalsol Corporation, Wilmington, Del. Higher aliphatic alcohols. 2,241,417; May 13.
Noros, George C., assignor to Bond Foundry & Machine Company, Manheim, Germany. Movable truck jack. 2,241,713; May 13.
Noros, George C., assignor to Bond Foundry & Machine Company, Manheim, Pa. Movable truck jack. 2,241,714; May 13.
Norris, Alfred E., Westfield, assignor to The Regina Corporation, Rahway, N. J. Attachment for bags. 2,241,612; May 13.
North American Rayon Corporation. (See Naumann, Herbert, assignor.)
North, Edwin, Rockford, assignor to National Lock Co., Rock Island, Ill. Supporting bracket. 2,242,041; May 13.
Northwestern Steel and Wire Company. (See Dillon, Paul W., assignor.)
No-Sag Spring Company. (See Hopkes, Henry, assignor.)
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Sheet feeding mechanism. 2,241,474; May 13.
Noyer, Alvin L., and A. McEachern, Portland, Oreg., assignors to Wickwire Spencer Steel Company, New York, N. Y. Metallic rope and cable. 2,241,955; May 13.
Nydegger, Roland R. (See English, M. H., and Nydegger.)
Nye, Norman H., assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Wire drawing mechanism. 2,241,956; May 13.
Nystrom, Karl F., Milwaukee, Wis., E. S. Beckette, East St. Louis, Ill., and V. L. Green, Milwaukee, Wis.; said Beckette assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,241,418; May 13.
Officina Meccanica Olivetti. (See Crzellitzer, Robert, assignor.)
Offutt, John W., Ellwood City, Pa., assignor to National Tube Company. Tubing. 2,241,518; May 13.
Oil Well Drill-Ltd. (See McNamara, John J., assignor.)
Old Colony Envelope Company. (See Davidson, P. B., and Adams, assignors.)
Olpin, Henry C. (See Ellis, G. H., and Olpin.)
Olson, Frederick E., and P. G. McAra, Regina, Saskatchewan, Canada. Apparatus for making proportional liquid additions to measured quantities of liquid. 2,241,732; May 13.
Olsson, Johannes, assignor to Aktiebolaget Gotaverken, Goteborg, Sweden. Mechanism for insuring engine control according to given orders. 2,241,475; May 13.
Ottenberger, Erhard, and H. Pühmeyer, Berlin, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Telegraphic receiver. 2,241,885; May 13.
Outserts, Incorporated. (See Brown, Robert R., assignor.)
Overstrom, Conrad. (See Overstrom, Gustave A., C., and G.)
Overstrom, George. (See Overstrom, Gustave A., C., and G.)
Overstrom, Gustave A., Eagle Rock, C. Overstrom, Pasadena, and G. Overstrom, Eagle Rock, Calif. Vibratory screen. 2,241,476; May 13.
Owens-Corning Fiberglas Corporation. (See Hyde, J. F., and Dockerty, assignors.)
Oxweld Acetylene Company. (See Scott, Marvin R., assignor.)
Package Machinery Company. (See Van Wart, Edwin A., assignor.)
Paetow, Heinz, Berlin-Grunewald, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechtin mit beschränkter Haftung, Berlin, Germany. Cold cathode for electric vacuum tubes. 2,242,042; May 13.
Page, Lovell H., Hamden, Conn., assignor, by mesne assignments, to Western Cartridge Company. Firearm construction. 2,241,825; May 13.
Palode Engineering Company, The. (See Harris, James W., assignor.)
Panke, Hans. (See Hüniger, M., and Panke.)
Parker, Leslie O., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Lock switch coil. 2,242,142; May 13.
Patent and Licensing Corporation, The. (See Kirschbraun, Lester, assignor.)
Patent and Licensing Corporation, The. (See Kirschbraun, L., and Cubberley, assignors.)
Pateras Pescara, Raul, Paris, France, assignor of one-tenth to Societe d'Etudes et de Participations Eau, Gaz, Electricite, Energie S. A., Geneva, Switzerland. Motor compressor of the free piston type. 2,241,957; May 13.
Pates, Thomas S. (See Braden, William C., assignor.)
Pauling, Harry, Berlin, Germany. Manufacture of nitrates. 2,241,613; May 13.
Pawsey, Joseph L. (See Cork, E. C., and Pawsey.)
Peabody Engineering Corporation. (See Peterson, Eric G., assignor.)
Pearce, George T., Akron, and H. J. Leidel, Wadsworth, assignors to Ken-Tool Manufacturing Company, Akron, Ohio. Tire tool. 2,241,886; May 13.
Pehrson, Alfred P. (See Knibbs, N. V. S., and Pehrson.)
Peirano, Horacio, Montevideo, Uruguay. Apparatus for inhalations. 2,242,085; May 13.
Pelikan, John M., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,241,614; May 13.
Penn Electric Switch Co. (See Redsecker, Wilbert W., assignor.)
Penn Electric Switch Co. (See Shaw, Burton E., assignor.)
Pennsylvania Salt Manufacturing Company, The. (See Bisheop, Howard B., assignor.)
Permutit Company, The. (See Pick, Eric, assignor.)
Permutit Company, The. (See Yoder, Joseph D., assignor.)
Perry, Datus O., Washougal, Wash. Sled. 2,241,733; May 13.
Pester, Fritz. (See Eissner, E., and Pester.)
Peters, Melville F., Beltsville, Md. Thermal protection for shielded ignition systems. 2,241,419; May 13.
Petersen, Kai, Soborg, near Copenhagen, Denmark. Making fertilizers. 2,241,734; May 13.
Peterson, Eric G., Glen Ridge, N. J., assignor to Peabody Engineering Corporation, New York, N. Y. Automatic closing atomizer casing. 2,241,920; May 13.
Peterson, Victor W., and O. J. Maha, assignors to Hannifin Manufacturing Co., Chicago, Ill. Press and the like. 2,241,645; May 13.
Petkus, Anton J., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Clamping member. 2,241,921; May 13.
Pfiasterer, George R., Greenville, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling. 2,241,958; May 13.
Phillips Petroleum Company, (See Buddrus, E., and McCullough, assignors.)
Phillips Petroleum Company. (See Carney, Samuel C., assignor.)
Pick, Eric, East Rockaway, assignor to The Permutit Company, New York, N. Y. Regenerative water softener for automatic washing machines. 2,241,887; May 13.
Pike, Robert D., Piedmont, assignor to A. W. Stitt, San Francisco, Calif. Vacuum churn. 2,241,930; May 13.
Pinkel, Benjamin, Hampton, Va. Intercooler. 2,241,420; May 13.
Plastic Binding Corporation. (See Spinner, Isidore, assignor.)
Platz, Karl, and F. Bücking, Frankfort-on-the-Main, and K. Smeykal, and F. Asinger, Leuna, Kreis Merseburg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Surface-active products and a process of preparing them. 2,242,086; May 13.
Plebanski, Jozef, Warsaw, Poland, assignor to Radio Patents Corporation. Electric phase control system. 2,241,615; May 13.
Plensler, Alexander W., and R. C. Marholz, assignors to Belmont Radio Corporation, Chicago, Ill. Electrical control apparatus. 2,241,715; May 13.
Plumstead, Joseph E., Wilmington, Del., assignor, by mesne assignments, to West Virginia Pulp & Paper Company, New York, N. Y. Papermaking pulp mixture and producing the same. 2,242,087; May 13.
Pneumatic Scale Corporation. (See Howard, Stanley R., assignor.)
Pollak, Louis, Altrincham, Cheshire, England. Photographic material. 2,241,519; May 13.
Pollard, Frank R. (See Wasson, S. C., Gavin, and Pollard.)
Polymerization Process Corporation, The. (See Roberts, George, and Robinson, assignors.)
Polymerization Process Corporation, The. (See Robinson, G. W., and Roberts, assignors.)
Porsche, F., Dr. ing h. c., K.-G. (See Rabe, Karl, assignor.)
Porter, H. K., Inc. (See Taylor, Daniel H., assignor.)
Porzellanfabrik Weiden Gebr. Bauscher Zweigniederlassung der Lorenz Hutschenreuther Aktien-Gesellschaft Selb. (See Achtziger, Christoph, assignor.)
Potter, Thomas L., assignor to Refrigeration Patents Corporation, Buffalo, N. Y. Thermosensitive expansion valve. 2,241,931; May 13.
Potwin, Marjorie A., Spartanburg, S. C. Baby pants and pad. 2,241,959; May 13.
Pounds, Richard T. (See West, Bernard G. and L. A., and Pounds.)
Powers Accounting Machines Limited. (See Thomas, Arthur, assignor.)
Powers, David W., et al. (See Powers, Frank M., assignor.)
Powers, Frank M., Chicago, Ill., asssignor of one-third to T. C. Powers and one-third to D. W. Powers. Clamping device. 2,241,960; May 13.
Powers, Thomas C., et al. (See Powers, Frank M., assignor.)
Powers, Thomas F. (See Fuhrmann, W., and Powers.)
Prescott, Harold R. (See Athy, L. F., and Prescott.)

Price, Donald, and B. A. Dombrow, New York, N. Y., assignors to National Oil Products Company, Harrison, N. J. Ethers and their sulphonated derivatives. 2,241,421; May 13.

Pritchard, Franklin H., Erie, Pa., assignor to General Electric Company. Control system. 2,241,961; May 13.

Pritchard, William C. (See Birt, H. B., Pritchard, and Daily.)

Probst, Lester, et al. (See Fuchs, Arthur J., assignor.)

Process Management Company. (See Layng, Edwin T., assignor.)

Prophet, James, Jr. (See Wasson, J. I., and Prophet.)

Pühlmeyer, Herbert. (See Ottenberger, E., and Pühlmeyer.)

Pulitzer Publishing Company, The. (See Yetter, Frank E., assignor.)

Pullman-Standard Car Manufacturing Company. (See Blomberg, M. P., and Mussey, assignors.)

Queneau, Paul E., Copper Cliff, Ontario, Canada, and W. A. Mudge, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y. Bearings and producing the same. 2,241,789; May 13.

R. C. Can Company. (See Rutkowski, Walter L., assignor.)

RFC Mortgage Company, The. (See Uline, Migiel J., asssignor.)

Rabe, Karl, Stuttgart, assignor to Dr. ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany. Auxiliary spring means for vehicles. 2,241,826; May 13.

Rabe, Karl, Stuttgart, assignor to Dr. ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany. Vehicle spring suspension. 2,241,827; May 13.

Radio Condenser Company. (See Cramer, Stanley S., assignor.)

Radio Corporation of America. (See Barnes, Percy J., assignor.)

Radio Corporation of America. (See Bliss, Warren H., assignor.)

Radio Corporation of America. (See Dorsman, Cornelis, assignor.)

Radio Corporation of America. (See Dreyer, John F., Jr., assignor.)

Radio Corporation of America. (See Kinyon, Brice W., asssignor.)

Radio Corporation of America. (See Koch, Winfield R., assignor.)

Radio Corporation of America. (See Robb, J. G., Furnival, and Witt, assignors.)

Radio Corporation of America. (See Roberts, Walter V., assignor.)

Radio Corporation of America. (See Sherman, Jesse B., assignor.)

Radio Corporation of America. (See Trevor, Bertram, assignor.)

Radio Corporation of America. (See Widell, Emil G., assignor.)

Radio Patents Corporation. (See Boucke, Heinz, assignor.)

Radio Patents Corporation. (See Plebanski, Jozef, assignor.)

Radio Patents Corporation. (See Zakarias, Imre, assignor.)

Rainboth, Augustine, Montreal, Quebec, Canada. Bedpan cushion. 2,242,088; May 13.

Ramo, Simon. (See Blewett, John P., and Ramo.)

Ramseyer, Charles F., Chicago, Ill. Making mineral wool. 2,242,089; May 13.

Rand, Philip S., Falmouth, Mass., asssignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Typewriting machine. 2,241,867; May 13.

Rasmussen, Chester A., asssignor of one-half to E. J. Rasmussen, Long Beach, Calif. Jar. 2,241,477; May 13.

Rasmussen, Emil J. (See Rasmussen, Chester A., assignor.)

Rathjens, George W., Salt Lake City, Utah. Cleansing apparatus. 2,241,646; May 13.

Ratish, Herman D. (See Bullowa, J. G. M., and Ratish.)

Rayolite Rifle Range Company. (See McMaster, Archie J., assignor.)

Read, Roland S., Bloomington, Ill. Air-cooled bottled beverage cooler. 2,241,558; May 13.

Reconstruction Finance Corporation. (See Jacoby, Enos R., assignor.)

Redsecker, Wilbert W., assignor to Penn Electric Switch Co., Goshen, Ind. Process and apparatus for finishing valve seats and the like. 2,241,735; May 13.

Reed Roller Bit Company. (See Scott, G. L., and Noble, assignors.)

Reedy, Charles. (See Kysor, Karl D., assisgnor.)

Refining, Inc. (See Clayton, Benjamin, and Thurman, assignors.)

Refining, Inc. (See Thurman, Benjamin H., assignor.)

Refrigeration Patents Corporation. (See Potter, Thomas L., assignor.)

Regina Corporation, The. (See Norris, Alfred E., assignor.)

Rehm, Gustav A., assignor to Riley Stoker Corporation, Worcester, Mass. Steam generator. 2,241,932; May 13.

Reichel, Wladimir A. (See Holmes, B. B., and Reichel.)

Reid, Archie B., Park Ridge, Ill. Auxiliary metal feeder for type-casting machines. 2,242,018; May 13.

Reidenbach, Edwin. (See Herman, J. L., and Reidenbach.)

Reimann, Albert, Ludwigshafen-on-the-Rhine, Germany, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Processing blood. 2,241,868; May 13.

Reinemer, Uno P., Circle, Mont. Ear and brow muff. 2,241,736; May 13.

Reisch, Walter F., Charleston, W. Va. Overspeed emergency governor. 2,242,194; May 13.

Rembert, Ernest W., Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Cleansing composition. 2,241,790; May 13.

Rembert, Ernest W., Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Hydrous silicate gels and making the same. 2,241,791; May 13.

Remington, Joseph F., Akron, Ohio. Skiving machine. 2,241,478; May 13.

Remington Rand Inc. (See Rand, Philip S., assignor.)

Remington, Victor H., and R. Andrews, Washington, D. C., assignors to B. F. Drakenfeld & Co. Inc., New York, N. Y. Vitreous enamel. 2,241,520; May 13.

Rensch, Heinz, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Radio direction finding system. 2,241,922; May 13.

Reppe, Walter, A. Steinhofer, and O. Hecht, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporaton, New York, N. Y. Process of producing diolefins. 2,241,792; May 13.

Reuter, Carl R., assignor to The Falk Corporation, Milwaukee, Wis. Fluid transmission system. 2,242,184; May 13.

Reynolds, Charles H., Malden, assignor to Albert & J. M. Anderson Manufacturing Company, South Boston, Mass. Electrical switch. 2,241,828; May 13.

Rhoads, James C. (See Teker, J. W., and Rhoads.)

Rice, Blaine M., Apollo, Pa. Inhalator. 2,241,522; May 13.

Richard, Paul A., Clichy, France. Airplane. 2,241,521; May 13.

Richter, Max, and A. Loimann, Chemnitz, Germany. Flat knitting frame. 2,242,143; May 13.

Ricks, Fred, and F. C. Choice, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe machine. 2,241,523; May 13.

Rider, Ernest G., Philadelphia, assignor to Stokes and Smith Company, Summerdale, Philadelphia, Pa. Turn-in finger for box wrapping machinery. 2,241,962; May 13.

Ridgway, Herbert N., Winthrop, Mass. Automatic emergency traction device for automobiles. 2,241,923; May 13.

Riley Stoker Corporation. (See Griffith, L. E., and Craig, assignors.)

Riley Stoker Corporation. (See Rehm, Gustav A., assignor.)

Rinehart, Roscoe J., Isleton, assignor to Rio Farms, San Francisco, Calif. Rotary plow. 2,241,675; May 13.

Rinke, Heinrich. (See Taube, C., and Rinke.)

Rinke, Heinrich. (See Taube, C., Rinke, and Fischer.)

Rio Farms. (See Rinehart, Roscoe J., assignor.)

Robb, John G., Richmond, J. M. Furnival, Purley, and B. J. Witt, Harrow, England, assignors to Radio Corporation of America. Radio navigation aid. 2,241,924; May 13.

Roberts, George, Jr. (See Robinson, G. W., and Roberts.)

Roberts, George, Jr., Montclair, N. J. and G. W. Robinson, Houston, Tex., assignors to The Polymerization Process Corporation, Jersey City, N. Y. Conversion of hydrocarbons. 2,241,716; May 13.

Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Utilization of broadcast waves for obtaining high frequency carrier. 2,241,933; May 13.

Robinson, George W. (See Roberts, George, Jr., and Robinson.)

Robinson, George W., Houston, Tex., and G. Roberts, Jr., Montclair, assignors to The Polymerization Process Corporation, Jersey City, N. J. Conversion of hydrocarbons. 2,241,717; May 13.

Robinson, William T., et al. (See Holmes, Charles H., assignor.)

Roche, Alleman H., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Thermionic amplifier. 2,241,925; May 13.

Thermionic amplifier. 2,241,925; May 13.

Rochester Manufacturing Company. (See Connolly, William B., assignor.)

Rodgers, Howard C., Birmingham, Ala. Branner roll. 2,241,524; May 13.

Roés, Georges, assignor to R. Frenkel, Paris, France. Backpedaling brake device. 2,241,525; May 13.

Roessner, William L., Denver, Colo., assignor to B. L. MacGregor, as trustee. Vehicle light. 2,241,888; May 13.

Rohde, Otto C., and J. P. Kelly, assignors, by mesne assignments, to Champion Spark Plug Company, Toledo, Ohio. Inorganic plastic. 2,241,676; May 13.

Romberg, Felix B., Holland, Tex. Method of and apparatus for detaching and separating nut meats from shells. 2,241,737; May 13.

Roosenstein, Hans O., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Transmission line. 2,241,616; May 13.

Rosenblum, Israel, New York, N. Y. Terpene- and rosin-modified phenol-ketone-formaldehyde resin and method of preparing same. 2,241,422; May 13.

Rosenkranz, Max, Bethel Township, Allegheny County, Pa., assignor to National Tube Company. Pipe joint tester. 2,241,526; May 13.

Rosenthal, Helman, assignor to R. B. Giles, Dallas, Tex. Composition for preventing or stopping leaks in conduits. 2,241,963; May 13.

Rubin, Allen I., Mount Vernon, N. Y. Triangular joist. 2,241,617; May 13.

Rudel, John M., Montreal, Quebec, Canada. Railway car roof. 2,241,738; May 13.

Rudert, Alfred. (See Jaeger, G., and Rudert.)

Runton, Leslie A., Andover, Mass. Apparatus for drying porous textile material. 2,242,144; May 13.

Rush, Harry A., Glendale, Calif. Brake mechanism. 2,241,479; May 13.

Rushfeldt, Ferdie M., assignor of one-half to W. G. Lathrop, Grand Forks, N. Dak. Combination brake and accelerator pedal. 2,242,145; May 13.

Russell, Harlow M. (See Sidebotham, Melvin H., assignor.)

Rust, John D., Memphis, Tenn. Self-propelled cotton picking machine. 2,241,423; May 13.

Rutkowski, Walter L., Normandy, assignor to R. C. Can Company, St. Louis, Mo. Valve for containers. 2,242,146; May 13.

Ryan, James V., Beacon, N. Y., and E. S. Davis, Newtown, Conn., assignors to New York Rubber Corporation, New York, N. Y. High pressure hose coupling. 2,241,926; May 13.

S & S Corrugated Paper Machinery Co. (See Shields, Albert F., assignor.)

Sahyun, Melville, Detroit, Mich. Preparing amino acids. 2,241,927; May 13.

Salisbury, Frank M., Kenmore, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Hinge fitting. 2,242,147; May 13.

Salmon, Reginald D. (See Thompson, A. E., and Salmon.)

Samerdyke, Fred J. (See Herrstrom, C. E., and Samerdyke.)

Sanders, Clarence E., Kansas City, Kans., assignor to American Hospital Supply Corporation, Chicago, Ill. Therapeutic appliance. 2,241,480; May 13.

Sanders, Homer M., Sharon, Pa. Picture frame assemblage. 2,242,148; May 13.

Sanford, Hugh W., assignor to Knox Stove Works, Knoxville, Tenn. Furnace having automatic fuel control. 2,241,424; May 13.

Sanger, Otto, H. Becker, and H. Broschke, Wetzlar, Germany, assignors, by mesne assignments, to F. Dumur, Lausanne, Switzerland. Exposure meter for photographic apparatus. 2,242,043; May 13.

Saravalli, Herman. (See Garbe, H. W., and Saravalli.)

Sargent's, C. G., Sons Corporation. (See Smith, Ferderick S., assignor.)

Sbicca, Frank. (See Maccarone, Fred, assignor.)

Schealer, Roy F. (See Wobensmith, James C., assignor.)

Schieferstein, Georg H., Finowfurt, near Eberswalde, Germany. Oscillating mechanical system for the transmission of power. 2,241,527; May 13.

Schlike, Edward, Middletown, Conn. Machine for cutting ties in blind webs. 2,242,091; May 13.

Schilling, Louis R., Valley Stream, N. Y. Necktie rack. 2,242,090; May 13.

Schlesinger, Kurt, Paris, France. Scanning disk with synchronization device. 2,241,964; May 13.

Schlosser, Harold L., assignor to Lectrolite Corporation, Defiance, Ohio. Static wire ground lead support. 2,241,739; May 13.

Schlothan, William F., Ketchikan, Alaska. Fish elevator. 2,241,934; May 13.

Schmid, Edward C., assignor to Knapp-Monarch Company, St. Louis, Mo. Casing and grid structure. 2,241,740; May 13.

Schmidt, Francis M. (See Haysiett, L. E., and Schmidt.)

Schmidt, Hermann H., Hanover, Kans., assignor to The Universal Royalty and Development Company, St. Joseph, Mo. Apparatus for vaporizing and spraying thick liquids. 2,241,425; May 13.

Schmidt, Walter. (See Nicodemus O., and Schmidt.)

Schmitt, Herman, Sheboygan, Wis. License tag illuminating and signaling device. 2,241,741; May 13.

Schneider, Emmor V., assignor to Alliance Manufacturing Company, Alliance, Ohio. Phonograph needle. 2,241,482; May 13.

Schneider, Emmor V., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Compensating turntable drive. 2,241,483; May 13.

Schoene, Russell L., Evansville, Ind. Electro-optical instrument. 2,241,743; May 13.

Schonander, Nils Georg. (See Ledin, Sven H., assignor.)

Schouler, Henry A., Framingham, Mass. Cleanout plug. 2,241,560; May 13.

Schroeder, Frank H., Corwith, Iowa. Adjustable crutch. 2,241,481; May 13.

Schultis, Carl T. (See Fleischhauer, R., Schultis, and Korten.)

Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Switch construction. 2,242,092; May 13.

Schulz, Edward, Aurora, Ind. Lawn edging device. 2,241,744; May 13.

Schulz, Lorenz C., assignor to The Murray Corporation of America, Detroit, Mich. Adjustable seat support. 2,241,559; May 13.

Schüpaus, Gustav, Hamburg-Harburg, Germany. Producing alkaline-earth molybdates in lumps. 2,241,742; May 13.

Schwab, Francis C., Mexico, D. F., Mexico. Antiglare device. 2,242,044; May 13.

Schwarzkopf, Hans-H., Detroit, Mich., assignor to American Electro Metal Corporation, Lewiston, Maine. Electrical heating element. 2,242,203; May 13.

Schwartz, Edmund, Corona, N. Y. Educational device. 2,241,869; May 13.

Schweich, Joseph H., Clayton, Mo. Garment. 2,241,889; May 13.

Schwerin, Paul, Rutherford, N. J. Incandescent electric lamp. 2,241,935; May 13.

Scott, Arnold W., Detroit, Mich. Razor. 2,241,745; May 13.

Scott, George L., Compton, Calif., and W. B. Noble, assignors to Reed Roller Bit Company, Houston, Tex. Directional drilling apparatus. 2,241,746; May 13.

Scott, Harry A., Van Wert, Ohio, and L. B. Case, assignors to John Waldron Corporation, New Brunswick, N. J. Combination surface and intaglio printing machine. 2,242,045; May 13.

Scott, Marvin R., Cleveland, Ohio, assignor to Oxweld Acetylene Company. Blowpipe tip. 2,241,618; May 13.

Scott & Williams Incorporated. (See Houseman, Harold E., assignor.)

Scribner, William L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Lubricating device. 2,241,870; May 13.

Seay, Horace H. (See Driess, O. M., Seay, and Eckerle.)

Seelig, George H. (See Kent, F. J., and Seelig.)

Seiler, Karl. (See Kohn, Claus H., assignor.)

Sellers, Orlin N., Wilmette, Ill. Meter connection. 2,241,484; May 13.

Serio, Anthony W. (See Serio, Harry P. and A. W.)

Serio, Harry P. and A. W., Elmira, N. Y. Cleaning yarn. 2,241,936; May 13.

Servel, Inc. (See Andersson, Sven W. E., assignor.)

Sharp Deflecting Tool Company. (See Sharp, Frank W., assignor.)

Sharp, Frank W., Houston, Tex., assignor, by mesne assignments, to Sharp Deflecting Tool Company. Deflecting tool. 2,241,486; May 13.

Sharp, Victor C. (See Gillett, W. J., and Sharp.)

Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Solenoid valve. 2,241,747; May 13.

Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Stack switch. 2,241,748; May 13.

Sheaffer, W. A., Pen Company. (See Cuthbert, William R., assignor.)

Sheaffer, W. A., Pen Company. (See Gillett, W. J., and Sharp, assignors.)

Sheaffer, W. A., Pen Company. (See Guenther, Walter J., assignor.)

Sheaffer, W. A., Pen Company. (See Martin, L. P., and Stempel, assignors.)

Shedd, Claude K., and E. V. Collins, assignors to Iowa State College Research Foundation, Ames, Iowa. Corn snapping machine. 2,241,928; May 13.

Sheldrick, Laurence S., assignor to Ford Motor Company, Dearborn, Mich. Tractor. 2,241,677; May 13.

Shelley, Starr W., Charlotte, N. C. Plant container and seedbed formed therefrom. 2,242,149; May 13.

Sherka Chemical Co. Inc. (See Wolff, Fritz, assignor.)

Sherman, Jesse B., New York, N. Y., Radio Corporation of America. Oscillator. 2,241,619; May 13.

Sherwood, Aaron W., Hackensack, assignor to Associated Engineering, Inc., Glen Rock, N. J. Beverage cooler. 2,241,426; May 13.

Shields, Albert F., Jamaica, assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Controlling of drives. 2,241,427; May 13.

Shoe Form Co. (See De Witt, William J., assignor.)

Shoeld, Mark, Baltimore, Md. Producing pulsating movement. 2,241,620; May 13.

Shoeld, Mark, Baltimore, Md. Method of and means for separating gases from liquids. 2,241,621; May 13.

Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Voting machine. 2,241,485; May 13.

Shoup Voting Machine Corporation, The. (See Shoup, Ransom F., assignor.)

Shultz, T. M. (See Barton, James O., assignor.)

Sidebotham, Melvin H., Newton, assignor of one-half to H. M. Russell, Chelsea, Mass. Method and machine for making folding boxes. 2,241,678; May 13.

Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Barth, Gustav, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Hennig, Fritz, assignor.)

Siemens & Halske, Aktiengesellschaft. (See Kersten, M., and Weis, assignors.)

Sievers, Klaus, Modoc Point, Oreg. Article retaining rack. 2,242,150; May 13.

Silber, George and V., Brooklyn, N. Y. Record cutting device. 2,241,622; May 13.

Silber, Victor. (See Silber, George and V.)

Silverman, Daniel, and P. F. Hawley, assignors to Stanolind Oil and Gas Company, Tulsa, Okla. Electrical surveying. 2,241,623; May 13.
Silverman, Daniel, assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Apparatus for underwater seismic surveying. 2,241,428; May 13.
Simmonds Development Corporation Limited. (See Gardiner, Ernest L., assignor.)
Simon, Lewis B., assignor to General Motors Corporation, Detroit, Mich. License plate and trunk handle assembly. 2,241,647; May 13.
Simplex Shoe Mfg. Co. (See Weyenberg, Sylvester A., assignor.)
Singer Manufacturing Company, The. (See Langille, Wilfred O., assignor.)
Sisson, James G., assignor to The L. S. Starrett Company, Athol, Mass. Attachment for test indicators. 2,242,151; May 13.
Six, Georges J., Leytonstone, London, and J. R. Booer, Addiscombe, England, assignors, by mesne assignments, to F. W. Berk & Company, Inc., New York, N. Y. Manufacture of aryl mercury compounds. 2,241,829; May 13.
Sjobring, Nils P., Chicago, Ill. Grip for hand tools. 2,241,965; May 13.
Sleeper & Hartley, Incorporated. (See Blount, W. H., and Fisher, assignors.)
Slotterbeck, Ober C., Elizabeth, N. J., assignor to Standard Oil Development Company. Catalytic oxidation of ketones. 2,241,487; May 13.
Smalley, Charles R., Youngstown, Ohio. Power unit for motor vehicles. 2,242,046; May 13.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,241,624; May 13.
Smeykal, Karl. (See Platz, K., Bücking, Smeykal, and Asinger.)
Smith, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Mercury boiler. 2,241,966; May 13.
Smith, Benjamin A., Lakewood, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Treating materials. 2,241,429; May 13.
Smith, Dennis W., assignor to Colborne Manufacturing Company, Chicago, Ill. Dough divider. 2,241,890; May 13.
Smith, Frederick S., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass. Rug beater. 2,242,152; May 13.
Smith, Harold C. (See Johnsen, R. C., and Smith.)
Smith, Sidney E. (See Hagler, Lydia A., and Smith.)
Smithe, F. L., Machine Co. (See Novick, Abraham, assignor.)
Snow, Alvah L., assignor to Standard Oil Company of California, San Francisco, Calif. Treating hydrocarbons. 2,241,430; May 13.
Societe d'Etudes et de Particlpations Eau, Gaz, Electricite, Energie S. A. (See Pateras Pescara, Raul, assignor.)
Sollie, Bernhard, Miami, Fla. Twine holding and dispensing device. 2,241,891; May 13.
Somes, Howard E., Detroit, Mich. Electric coil and core therefor. 2,241,431; May 13.
Southern Wood Preserving Company. (See Harvey, Jacquelin E., Jr., assignor.)
Spang, Joseph P., Quincy, assignor to Cube Steak Machine Company, Inc., Boston, Mass. Meat-slitting machine. 2,241,648; May 13.
Spang, Joseph P., Quincy, assignor to Cube Steak Machine Company, Inc., Boston, Mass. Meat-slitting machine. 2,241,649; May 13.
Spang, Joseph P., Quincy, assignor to Cube Steak Machine Company, Inc., Boston, Mass. Meat-slitting machine. 2,241,650; May 13.
Sparks, William J., Cranford, and D. C. Field, Roselle Park, N. J., assignors to Standard Oil Development Company. Soluble aralkyl halide resin. 2,241,488; May 13.
Spear, Wm. A. (See Chapman, Willis A., assignor.)
Spencer, Lloyd, assignor to Lane-Wells Company, Los Angeles, Calif. Bridging plug. 2,241,561; May 13.
Spencer, Rolf E. (See Kallmann, H. E., and Spencer.)
Sperzel Modern Seat Company. (See Sperzel, P. J., and Corser, assignors.)
Sperzel, Peter J., Minneapolis, Minn., and J. Corser, Peoria, Ill., assignors to Sperzel Modern Seat Company. Toilet seat. 2,241,987; May 13.
Spinner, Isidore, assignor to Plastic Binding Corporation, Chicago, Ill. Binder. 2,242,185; May 13.
Stair, Daniel E., assignor of one-half to J. W. Dickens, Fort Wayne, Ind. Smoke precipitator and heat salvager for furnace gases. 2,242,186; May 13.
Stampfli, Joseph G. (See Fordyce, C. R., and Stampfli.)
Standard Bronzefarben-Werke Carl Eckart. (See Eckart, Jacob, assignor.)
Standard Mfg. Co. (See Batcheller, Hugh W., assignor.)
Standard Oil Company. (See Buckeridge, William I., assignor.)
Standard Oil Company, The. (See Burk, R. E., and Lankelma, assignors.)
Standard Oil Company. (See Flint, George W., assignor.)
Standard Oil Company. (See Gray, W., and MacLaren, assignors.)
Standard Oil Company of California. (See Danner, Philip S., assignor.)
Standard Oil Company of California. (See Snow, Alvah L., assignor.)
Standard Oil Development Company. (See Buckley, Stuart E., assignor.)
Standard Oil Development Company. (See Slotterbeck, Ober C., assignor.)
Standard Oil Development Company. (See Sparks, W. J., and Field, assignors.)
Standard Oil Development Company. (See Vanderbilt, Byron M., assignor.)
Standard Oil Development Company. (See Wasson, J. I., and Prophet, assignors.)
Standard Oil Development Company. (See Wiezevich, Peter J.)
Stanolind Oil and Gas Company. (See Silverman, Daniel, assignor.)
Stanolind Oil and Gas Company. (See Silverman, D., and Hawley, assignors.)
Starrett, L. S., Company, The. (See Sisson, James G., assignor.)
Starrett, L. S., Company, The. (See Donaway, Carlton S., assignor.)
Stauffacher, Warner, Minneapolis, Minn. Seeder. 2,242,093; May 13.
Steinbrecker, Fred. (See Henkes, P. M., and Steinbrecker.)
Steiner, Louis, New York, N. Y. Vending machine. 2,241,489; May 13.
Steinhardt, Irving, New York, N. Y. Puzzle. 2,241,490; May 13.
Steinhofer, Adolf. (See Reppe, W., Steinhofer, and Hecht.)
Stempel, Herman K. (See Martin, L. P., and Stempel.)
Steuber, George A., Penfield, N. Y., assignor to Despatch Shops, Inc. Railroad car. 2,241,749; May 13.
Steven, Edmund, Cologne-Kalk, Germany, assignor to American Flange & Manufacturing Co. Inc., Chicago, Ill. Bung or discharge hole formation in a sheet metal container wall. 2,241,793; May 13.
Stieh, William M. (See Wittwer, G. G., and Stieh.)
Stitt, A. W. (See Pike, Robert D., assignor.)
Stoesser, Sylvia M. (See Dreisbach, R. R., Stoesser, and Hanson.)
Stokes and Smith Company. (See Rider, Ernest G., assignor.)
Strane, Wiley H., Oakland, Calif. Foot-operable attachment for trombones. 2,241,750; May 13.
Strauss, Alfred, and W. D. Harbaugh, Chicago, Ill., assignors to A. F. Dormeyer Mfg. Co. Food mixer governor. 2,241,528; May 13.
Strauss, William. (See Zelov, V. I., and Strauss.)
Strong, Charles E., London, England, assignor to International Standard Electric Corporation, New York, N. Y. Thermionic amplifier. 2,241,892; May 13.
Strzalkowski, Charles W., Milwaukee, Wis. Flat knitting machine. 2,242,047; May 13.
Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Clamping or compressing apparatus. 2,241,794; May 13.
Sturtevant, B. F., Company. (See Bergstrom, Carl O., assignor.)
Süddeutsche Apparate-Fabrik G. m. b. H. (See Herrmann, Heinrich, assignor.)
Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Light source. 2,241,968; May 13.
Surface Combustion Corporation. (See Denise, John R., assignor.)
Talon, Inc. (See Beckwith, George M., assignor.)
Tappan, Dewitt, assignor to The Caldwell Manufacturing Co., Rochester, N. Y. Sash balance. 2,241,969; May 13.
Tatro, Vernon, Chicago, Ill. Roofing. 2,242,094; May 13.
Taube, Carl, Leverkusen-I. G.-Werk, and H. Rinke, Leverkusen-Schlebusch, Germany, assignors to General Aniline & Film Corporation. Acid azo dyestuffs. 2,241,795; May 13.
Taube, Carl, Leverkusen-I. G.-Werk, H. Rinke, Leverkusen-Schlebusch, and E. Fischer, Bad Soden in Taunus, Germany, assignors to General Aniline & Film Corporation. Azo dyestuffs. 2,241,796; May 13.
Taylor, Andrew A., Petersburg, Alaska, assignor of one-half to C. A. J. Lindstrom, La Conner, Wash. Animal trap. 2,241,529; May 13.
Taylor, Daniel H., Los Angeles, Calif., assignor to H. K. Porter, Inc., Everett, Mass. Rope pulling and holding device. 2,241,679; May 13.
Taylor, Robert S., Seattle, Wash. Speed change gearing. 2,241,680; May 13.
Technicolor Motion Picture Corporation. (See Whittaker, Lloyed E., assignor.)
Teker, John W., Wesleyville, and J. C. Rhoads, Erie, Pa., assignors to General Electric Company. Geared axle drive. 2,242,195; May 13.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Buschbeck, W., and Meinke, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Roosenstein, Hans O., assignor.)
Teleregister Corporation, The. (See Frischknecht, Ernest, assignor.)
Tench, Frederick, White Plains, assignor to L. T. Corporation, New York, N. Y. Method of electric welding. 2,241,871; May 13.

Textile Machine Works. (See Held, Joseph, assignor.)
Thoma, Hans, Karlsruhe, Baden, Germany, Hydraulic device. 2,241,651; May 13.
Thomas, Arthur, Wallington, assignor to Powers Accounting Machines Limited, London, England. Calculating machine. 2,242,095; May 13.
Thomas, George J., Birmingham, Mich. Hydraulic brake apparatus. 2,242,096; May 13.
Thomas, Raymond E. (See Bateman, A. W., and Thomas.)
Thompson, Alfred E., and R. D. Salmon, assignors to Creed and Company Limited, Croydon, England. Telegraph system. 2,242,196; May 13.
Thompson, Edward S., Schenectady, N. Y., assignor to General Electric Company. Condenser arrangement. 2,241,970; May 13.
Thompson, Theodore F., Des Moines, Iowa. Brake mechanism. 2,242,153; May 13.
Thoreson, Reider. (See MacMillin, H. F., and Thoreson.)
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Making soap. 2,242,187; May 13.
Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Refining of vegetable oils. 2,242,188; May 13.
Thurman, Benjamin H. (See Clayton, Benjamin, and Thurman.)
Tidy Products Corporation. (See Astrove, Joseph, assignor.)
Timken Roller Bearing Company, The. (See Scribner, William L., assignor.)
Titan Valve and Manufacturing Company, The. (See Cerny, Joseph A., assignor.)
Tolco, Inc. (See Hall, R. W., assignor, and McCready.)
Toledo Scale Company. (See Williams, Lawrence S., assignor.)
Tomkin, Abraham E., Washington, D. C. Daubing implement or the like. 2,242,154; May 13.
Tompkins Bros. Co. (See Logan, George L., assignor.)
Tourtellotte, Della W., executrix. (See Tourtellotte, John E.)
Tourtellotte, John E., Portland, Oreg., decreased; D. W. Tourtellotte, executrix, assignor to herself. Building construction. 2,241,830; May 13.
Treloar, William P., assignor to R. A. Gilbert, and B. A. McNaught, trading as the Phoenix Supply Sompany, London, England. Machine for disintegrating solid and semisolid materials. 2,241,491; May 13.
Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Automatic frequency control system. 2,241,937; May 13.
Trimble Nurseryland Furniture, Inc. (See Baxter, William C., assignor.)
Tsuji, Fukuma. (See Iwasaki, T., and Tsuji.)
Tucker, Lee E. (See Krebs, K., and Tucker.)
Tucker, Martha E., assignor to Martha Tucker Mal-Tee Corporation, Grand Rapids, Mich. Malted milk beverage. 2,241,971; May 13.
Tucker, Martha, Mal-Tee Corporation. (See Tucker, Martha E., assignor.)
Tuttle, Edward J., Waterbury, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Apparatus for shaping fastener elements. 2,241,893; May 13.
Tway, Jack L., Atlanta, Ga. Sign. 2,241,625; May 13.
Twin City Bedding Company. (See Lovick, Frank, assignor.)
Uline, Migiel J., Washington, D. C., assignor to The RFC Mortgage Company, Richmond, Va. Ice receptacle. 2,242,155; May 13.
Underwood Elliott Fisher Company. (See Hammer, Irving G., assignor.)
Union Switch & Signal Company, The. (See Pelikan, John M., assignor.)
Union Switch & Signal Company, The. (See Pflasterer, George R., assignor.)
United Merchants & Manufacturers, Inc. (See Miller, Paul L., assignor.)
United Shoe Machinery Corporation. (See Armstrong, Howard E., assignor.)
United Shoe Machinery Corporation. (See Brophy, John J., assignor.)
United Shoe Machinery Corporation. (See Eppler, Andrew, Jr., assignor.)
United Shoe Machinery Corporation. (See Lancaster, John T., assignor.)
United Shoe Machinery Corporation. (See Ricks, F., and Choice, assignors.)
United States Gauge Company. (See Aschenbach, Emerson L., assignor.)
United States Rubber Company. (See Tuttle, Edward J., assignor.)
Universal Royalty and Development Company, The. (See Schmidt, Hermann H., assignor.)
Vanderbilt, Byron M., Roselle Park, N. J., assignor to Standard Oil Development Company. Compression-ignition engine fuel. 2,241,492; May 13.
Van Note, Eugene, Trenton, N. J. Automobile door latch. 2,241,872; May 13.
Van Thiel, Heinrich, Leuna, Germany, assignor, by mesne assignments, to Walter H. Duisberg, New York, N. Y. Protecting coating. 2,241,493; May 13.
Van Wart, Edwin A., Wilbraham, assignor to Package Machinery Company, Springfield, Mass. Wrapping machine. 2,241,751; May 13.
Vaughn Machinery Company, The. (See Nye, Norman H., assignor.)
Vaughn Motor Company. (See Weiss, Samuel, assignor.)
Vergobbi, John G. (See Volante, M. A., and Vergobbi.)
Vernhes, Pierre L., Johnstown, N. Y. Glove. 2,241,681; May 13.
Veynar, Yaroslav, Knoxville, Tenn. Pocket protector. 2,241,530; May 13.
Vickers Incorporated. (See Herman, Kenneth R., assignor.)
Vitolo, Louis, assignor to Century Oxford Manufacturing Corp., Brooklyn, N. Y. Auxiliary strap for eyeglass frame mountings. 2,241,894; May 13.
Vizard, William C., assignor to Barbour Welting Company, Brockton, Mass. Making welting. 2,241,652; May 13.
Volante, Mario A., Newton Center, and J. G. Vergobbi, Quincy, Mass., said Vergobbi assignor to said Volante. Web applying and/or affixing machine. 2,241,494; May 13.
Vollrath, Joseph P. (See Krogh, A. E., and Vollrath.)
Von Ardenne, Manfred, Berlin-Lichterfelde, and B. von Borries, Berlin-Spandau, Germany. Electron scanning microscope. 2,241,432; May 13.
Von Borries, Bodo. (See von Ardenne, M., and von Borries.)
Von Geijer, Erik V. W. H. (See Ewerth, Anton G., assignor.)
Wachsman, David, Brooklyn, N. Y., assignor to Wachsman Sons' Inc. Electric release mechanism for knitting machines. 2,241,682; May 13.
Wachsman, Michael, Brooklyn, N. Y., assignor to Wachsman Sons', Inc. Electric contact ring for knitting machines. 2,241,683; May 13.
Wachsman Sons', Inc. (See Wachsman, David, assignor.)
Wachsman Sons', Inc. (See Wachsman, Michael, assignor.)
Wackman, Louis B., St. Louis, Mo., assignor to American Flange & Manufacturing Co., Inc., Chicago, Ill. Extension fitting and cap therefor. 2,241,562; May 13.
Waddell Company, The. (See Bender, George P., assignor.)
Waechter, Harry J., Mount Healthy, assignor to P. Benninghofen and F. G. Diesbach, Hamilton, Ohio, as trustees. Crank mechanism. 2,242,157; May 13.
Wagner, Herbert, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Structure of aircraft surfaces. 2,241,972; May 12.
Wagner, Robert W., assignor to Detroit Harvester Company, Detroit, Mich. Gearing for mowing machines. 2,241,495; May 13.
Wahlquist, Hugo W., Mount Vernon, N. Y. Power system and shunt for reducing harmonics therein. 2,241,831; May 13.
Wahlquist, Hugo W., Ardsley, N. Y. Method and apparatus for reducing harmonics in power systems. 2,241,832; May 13.
Waldron, John, Corporation. (See Scott, H. A., and Case, assignors.)
Walker, Alverna M. (See Walker, John S. and A. M.)
Walker, Avery W., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive article and making the same. 2,241,433; May 13.
Walker, Frank A. (See Lang, F. J., and Walker.)
Walker, Hollis. (See Fahlstrom, C., and Walker.)
Walker, John S., and A. M., Pittsburgh, Pa. Curtain stretcher. 2,241,895; May 13.
Wall, Matthew J., Jersey City, N. J., assignor to The Linde Air Products Company. Melting and welding metallic surfaces. 2,241,563; May 13.
Wallace, Fred C., assignor to Gardner Displays Company, Pittsburgh, Pa. Sound synchronizing equipment. 2,241,496; May 13.
Wallace, James M., Adams, Wis., assignor to H. Harmsen, Ski. 2,242,156; May 13.
Waller, Langley A., New York, N. Y. Exercising device. 2,241,833; May 13.
Ware, Robert R., assignor to Chicago Roller Skate Company, Chicago, Ill. Roller. 2,241,684; May 13.
Ware, Robert R., assignor to Chicago Roller Skate Company, Chicago, Ill. Wheel. 2,241,685; May 13.
Ware, Robert R., assignor to Chicago Roller Skate Company, Chicago, Ill. Wheel guard. 2,241,686; May 13.
Wareham, Harry P., Jr. (See Friedrich, C. F., and Wareham.)
Warner-Patterson Company. (See Mitchell, Henry W., assignor.)
Warnke, Hans G., Detroit, Mich. Cable assembly. 2,241,687; May 13.
Warren, Henry W. H. (See Anderson, J. T., Gabor, Warren, and Wells.)
Washington, E. D. (See Alfred, Dozier, assignor.)
Wasson, Jones I., Union, and J. Prophet, Jr., Cranford, N. J., assignors to Standard Oil Development Company. Wax composition. 2,241,497; May 13.
Wasson, Stowell C., B. E. Gavin, and F. R. Pollard, Indianapolis, Ind., assignors to National Malleable and Steel Castings Company, Cleveland, Ohio. Machine for and method of hardening cams. 2,242,158; May 13.
Waterbury Tool Company, The. (See Doe, Thomas B., assignor.)
Weidauer, Curtis, Manhasset, assignor to S. Briskman, New York, N. Y. Pinking machine. 2,242,097; May 13.

Weidner, Victor, Port Washington, assignor to The Western Union Telegraph Company, New York, N. Y. Cabinet for telegraph printers. 2,241,797; May 13.
Weihe, Adolf, Bad Soden, Taunus, and F. Herrlein, Frankfort-on-the-Main-Hochst, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Laminated glass. 2,242,019; May 13.
Weir, Charles. (See Bawtenheimer, Reginald B., assignor.)
Weis, Adolf. (See Kersten, M., and Weis.)
Weis, Henry, Manufacturing Company. (See Kerr, Paul W., assignor.)
Weiss, Samuel, assignor to Vaughn Motor Company, Inc., Portland, Oreg. Spring attachment for industrial trucks. 2,241,798; May 13.
Wells, Robert S. (See Anderson, J. T., Gabor, Warren, and Wells.)
Welsh, Matilda D., Ladue Village, Mo. Baby carriage. 2,241,799; May 13.
Wentworth, William E., Von Ormy, Tex. Plow. 2,241,752; May 13.
Wentz, Oscar W., Long Island City, N. Y. Container closure. 2,241,836; May 13.
Wentz, Oscar W., Long Island City, N. Y. Container. 2,241,834; May 13.
Wentz, Oscar W., Long Island City, N. Y. Container closure. 2,241,835; May 13.
West, Bernard G., L. A. West, and R. T. Pounds, Long Beach, Calif., assignors; by mesne assignments, to J. T. West, trustee. Sound reproducing system. 2,242,197; May 13.
West, Jesse T., trustee. (See West, Bernard G., and L. A., and Pounds, assignors.)
West, Leonard A. (See West. Bernard G. and L. A., and Pounds.)
West Virginia Pulp & Paper Company. (See Plumstead, Joseph E., assignor.)
Western Cartridge Company. (See Page, Lovell H., assignor.)
Western Electric Company. (See Bandur, Adolph F., assignor.)
Western Electric Company. (See Blaisdell, C. O., and Martindell, assignors.)
Western Electric Company. (See Franks, Jerome S., assignor.)
Western Electric Company. (See Garbe, H. W., and Saravalli, assignors.)
Western Electric Company. (See Gates, John C., assignor.)
Western Electric Company. (See Golz, Harold C., assignor.)
Western Electric Company. (See Larson, Homer W., assignor.)
Western Electric Company. (See Petkus, Anton J., assignor.)
Western Electric Company. (See Stull, John S., assignor.)
Western Union Telegraph Company, The. (See Demonet, Eugene A., assignor.)
Western Union Telegraph Company, The. (See Weidner, Victor, assignor.)
Westinghouse Electric & Manufacturing Company. (See Dawson, J. W., and Wickerham, assignors.)
Westinghouse Electric & Manufacturing Company. (See Dickinson, Robert C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Exner, Donald W., assignor.)
Weyenberg, Sylvester A., assignor to Simplex Shoe Mfg. Co., Milwaukee, Wis. Shoe. 2,241,653; May 13.
White, Eric L. C. (See Blumlein, A. D., and White.)
Whiton, Lucius E., New London, Conn. Chuck. 2,241,564; May 13.
White, Frederick W., New Brighton, assignor to A. M. Byers Company, Pittsburgh, Pa. Manufacture of wrought iron. 2,241,434; May 13
White, Richard J., assignor to American Can Company, New York, N. Y. Container. 2,241,435; May 13.
Whitlark, Claude H. F., Detroit, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio. Automobile body heater. 2,241,753; May 13.
Whittaker, Lloyd E., North Hollywood, assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif. Cinematographic apparatus. 2,241,689; May 13.
Wickerham, William R. (See Dawson, J. W., and Wickerham.)
Wickwire Spencer Steel Company. (See Noyer, A. L., and McEachern, assignors.)
Widell, Emil G., Bloomfield, N. J., assignor to Radio Corporation of America. Grid electrode. 2,241,565; May 13.
Wiezevich, Peter J., Elizabeth, N. J., now by judicial change of name to P. J. Gaylor, assignor to Standard Oil Development Company. Instrument oil. 2,241,531; May 13.
Williams, Alfred L. W., Cleveland Heights, and J. J. Neff, assignors to The Brush Development Company, Cleveland, Ohio. Damping means. 2,241,837; May 13.
Williams, Frank H., assignor to Crane & Co., Inc., Dalton, Mass. Breast box for paper machines. 2,241,688; May 13.
Williams, Joseph L., Seattle, Wash. Treating peeled potatoes. 2,241,436; May 13.
Williams, Lawrence S., Toledo, Ohio, assignor to Toledo Scale Company. Magnifying measuring instrument. 2,241,690; May 13.
Williams, Lawrence S., Toledo, Ohio, assignor to Toledo Scale Company. Dimension determining device. 2,241,691; May 13.
Williams, Lawrence S., Toledo, Ohio, asssignor to Toledo Scale Company. Measuring device. 2,241,692; May 13.
Williams, Lawrence S., Toledo, Ohio, assignor to Toledo Scale Company. Measuring device. 2,241,693; May 13.
Williams, Selden T. (See Eberhard, B. C., and Williams.)
Williams-O-Matic Heating Corporation. (See Casey, Ernest E., assignor.)
Wilsey, Irven H., Chicago, Ill. Apparatus for popping corn. 2,241,754; May 13.
Wilsey, Irven H., asssignor to Air-Pops-It, Incorporated, Chicago, Ill. Apparatus for popping corn. 2,241,938; May 13.
Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Relay. 2,241,838; May 13.
Wimberly, Addie S. (See Glover, W. A., and Wimberly.)
Winfield, Edward A., Los Angeles, assignor to G. H. Gallineau, San Francisco, Calif. Lubricating device. 2,241,566; May 13.
Wingfoot Corporation. (See Baade, Brunolf C., assignor.)
Wingfoot Corporation. (See Eberhard, B. C., and Williams, assignors.)
Wingfoot Corporation. (See Ffield, Paul D., assignor.)
Wingfoot Corporation. (See Woodward, Alva W., assignor.)
Witt, Bertram J. (See Robb, J. G., Furnival, and Witt.)
Wittwer, George G., Chappaqua, N. Y., and W. M. Stieh, Teaneck, N. J., assignors to Lethelin Products Co., Inc., Mount Vernon, N. Y. Insect trap. 2,242,098; May 13.
Wittwer, George G., Chappaqua, N. Y., and W. M. Stieh, Teaneck, N. J., assignors to Lethelin Products Co., Inc., Mount Vernon, N. Y. Ant trap. 2,242,099; May 13.
Wobensmith, James C., Philadelphia, assignor of one-half to R. F. Schealer, Boyertown, Pa. Device for agitating dice. 2,241,567; May 13.
Wochinger, Eduard, Brieslang, Berlin, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von Gewerblichen Schutzreichten mit beschränkter Haftung, Berlin, Germany. Telephone system. 2,241,896, May 13.
Wolf, Robert A., Kenmore, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Stowable control column. 2,242,159; May 13.
Wolff, Fritz, Berlin-Pankow, Germany, assignor to Sherka Chemical Co. Inc., Bloomfield, N. J. Preparing hydrated copper chlorides. 2,241,800; May 13.
Wood, Charles E., Milwaukee, Wis. Concentrating cell. 2,242,020; May 13.
Woods, Robert J., Grand Island, asssignor to Bell Aircraft Corporation, Buffalo, N. Y. Nacelle construction. 2,242,198; May 13.
Woods, Robert J., Grand Island, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Airplane floor and cowling construction. 2,242,199; May 13.
Woods, Robert J., Grand Island, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Airplane structure. 2,242,200; May 13.
Woods, Robert J., Grand Rapids, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Hinged mount. 2,242,201; May 13.
Woods, Robert J., Grand Island, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Auxiliary motor installation. 2,242,202; May 13.
Woodward, Alva W., Kent, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Rim mounting. 2,241,839; May 13.
Woodward, Edward E. M. (See Brown, A., and Woodward.)
Worthington, Everett, deceased, Scarsdale, N. Y.; L. Worthington, administratrix, Berkeley, Calif., assignor to American Can Company, New York, N. Y. Snap lock. 2,241,437; May 13.
Worthington, Lucile, administratrix. (See Worthington, Everett.)
Wurlitzer, Rudolph, Company, The. (See Hayslett, L. E., and Schmidt, assignors.)
Wylde, Joseph R. (See Bell, A. S., and Wylde.)
Wylie, Ernest L., assignor to Champ-Items Inc., St. Louis, Mo. Manufacturing oil shields for internal combustion engines. 2,241,498; May 13.
Yetter, Frank E., assignor to The Pulitzer Publishing Company, St. Louis, Mo. Machine for abrading photo-engraving cylinders. 2,241,568; May 13.
Yoder Company, The. (See Morris, Howard I., assignor.)
Yoder, Joseph D., Larchmont, assignor to The Permutit Company, New York, N. Y. Water deaerating and purifying. 2,241,873; May 13.
Yohe, Robert V., Cuyahoga Falls, and A. W. Browne, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Retarder of vulcanization. 2,241,801; May 13.
Zaccone, Joseph V., Chicago, Ill. Suction control for vehicle bodies. 2,241,755; May 13.

Zakarias, Imre, Budapest, Hungary, assignor to Radio Patents Corporation. Variable frequency response circuit. 2,241,669; May 13.
Zalkind, Philip, New York, N. Y. Container. 2,241,802; May 13.
Zelov, Victor L., Rosemont, and W. Strauss, assignor to Molded Insulation Co., Inc., Philadelphia, Pa. Automatic molding press. 2,242,189; May 13.
Zischkau, Clarence, and H. B. Linford, Woodbridge, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Recovering indium. 2,241,438; May 13.
Zuschlag, Theodor, West Englewood, N. J., assignor, by mesne assignments, to Lundberg Exploration S. A., Panama City, Panama. Geophysical exploration. 2,241,874; May 13.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF MAY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Blind, Venetian. L. I. Kahn. Re. 21,800; May 13.
Fuselage, Pressure. G. A. Page, Jr. Re. 21,801; May 13.
Laminated product and process of preparing same, Transparent. O. A. Cherry and C. A. Cabell. Re. 21,796; May 13.
Method and apparatus for alternating-current investigation of uncased drill holes. J. J. Jakosky. Re. 21,797; May 13.
Motor, Hydraulic. D. Johnston. Re. 21,798; May 13.
Negligee pants. T. B. Terry. Re. 21,803; May 13.
Spray head. J. S. Judell and M. W. Held. Re. 21,799; May 13.
Valve operating mechanism. R. C. Russell. Re. 21,802; May 13.

LIST OF DESIGN INVENTIONS

Airplane. J. K. Northrop. 127,185; May 13.
Airplane. L. E. Oliver. 127,158; May 13.
Airplane. A. A. Theodoropulos. 127,183; May 13.
Airplane, Dual bodied. L. E. Oliver. 127,160; May 13.
Apron. F. Y. Wilson. 127,237; May 13.
Anchor. J. K. Northrop. 127,184; May 13.
Booth, Bar. D. H. Whitehead. 127,179; May 13.
Bracelet or the like. M. O'Brien. 127,195; May 13.
Brooch or similar article. I. Borek and M. H. Meyer. 127,105; May 13.
Brooch or similar article of jewelry. E. Foret. 127,108; May 13.
Bumper or similar article, Automobile. G. W. Walker. 127,164; May 13.
Cabinet, Electro therapeutic apparatus. C. K. Gieringer. 127,180; May 13.
Cabinet, Radio-phonograph. E. I. Harman. 127,155; May 13.
Cap, Container. A. H. Jung. 127,190–1; May 13.
Case, Book. G. Johnson, G. Cushing, and T. G. W. Nevell. 127,208; May 13.
Chair harness, Baby's. I. M. Creed. 127,107; May 13.
Coach, Motor. R. Loewy. 127,174; May 13.
Coat. A. Duckat. 127,205; May 13.
Coat. B. Price. 127,209; May 13.
Coat. B. Recht. 127,210; May 13.
Coat. H. Rutenberg. 127,211; May 13.
Container, Bread. M. S. Ziskin. 127,122; May 13.
Container or similar article, Perfume. R. B. Karoff. 127,171; May 13.
Cooking appliance or the like. K. L. Woodman. 127,120; May 13.
Cover for a pressure-operated switch. P. M. Koons. 127,156; May 13.
Cover or similar article, Table. G. F. Erhard. 127,213–33; May 13.
Dress. H. Bayor. 127,123; May 13.
Dress. M. Carbotti. 127,124–7; May 13.
Dress. M. Carbotti. 127,238; May 13.
Dress. B. Cashin. 127,239; May 13.
Dress. B. Cashin. 127,241; May 13.
Dress. B. Cashin. 127,251; May 13.
Dress. B. Cashin. 127,253–4; May 13.
Dress. M. Carbotti. 127,248–50; May 13.
Dress. E. Cutler. 127,255; May 13.
Dress. M. Fields. 127,128; May 18.
Dress. P. E. Fields. 127,169; May 13.
Dress. M. Fields. 127,256; May 13.
Dress. P. Fracchia. 127,129–32; May 13.
Dress. P. Fracchia. 127,257–8; May 13.
Dress. L. W. Goodkind. 127,133; May 13.
Dress. H. Horowitz. 127,134; May 13.
Dress. B. Hurwitz. 127,259–60; May 13.
Dress. N. Jones. 17,234; May 13.
Dress. B. Kornberg. 127,261; May 13.
Dress. I. Lorberfeld. 127,136; May 13.
Dress. H. Posner. 127,161; May 13.
Dress. H. Posner. 127,176; May 13.
Dress. E. S. Seigenfeld. 127,262; May 13.
Dress. C. Shutman. 127,141; May 13.
Dress. J. F. Sondheim. 127,142–5; May 13.
Dress. J. F. Sondheim. 127,162; May 13.
Dress. H. Troy. 127,146; May 13.
Dress. H. Weisberg. 127,147; May 13.
Dress. A. Verdi. 127,263–4; May 13.
Dress. J. Walker. 127,265; May 13.
Dress ensemble. R. Barrack. 127,148–9; May 13.
Dress ensemble. W. Bass. 127,150–2; May 13.
Dress ensemble. B. Cashin. 127,240; May 13.
Dress ensemble. B. Cashin. 127,252; May 13.
Dress ensemble. A. Cole. 127,242; May 13.
Dress ensemble. S. Jacobs. 127,135; May 13.
Dress ensemble. O. C. Nadel. 127,137–8; May 13.
Dress ensemble. B. Price. 127,139; May 13.
Dress ensemble. J. Rosenberg. 127,140; May 13.
Dress or similar article, Ensemble. H. Belspel. 127,153; May 13.
Fabric or similar article, Embroidered textile. E. W. Freudenberg. 127,207; May 13.
Fabric or similar article, Textile. L. H. Roles, Jr. 127,196; May 13.
Fabric, Textile. I. Cummings. 127,197; May 13.
Fabric, Textile. M. Etlinger. 127,189; May 13.
Fabric, Textile. W. A. Landry. 127,202; May 13.
Fabric, Textile. J. E. Maisch. 127,192–4; May 13.
Fan blade. G. F. Bahr. 127,167; May 13.
Fish lure. C. H. Weidenmier. 127,178; May 13.
Game board. H. H. Clark. 127,168; May 13.
Goblet or similar article. C. W. Carlson. 127,154; May 13.
Grill, Electric. D. G. A. Zeppos. 127,121; May 13.
Handbag. H. Green. 127,109; May 13.
Handbag. I. Kaplan. 127,111; May 13.
Hat or similar article. H. Weissenbach. 127,236; May 13.
Headlight. P. M. Knudsen. 127,172; May 13.
Heel, Shoe. W. H. Cary. 127,204; May 13.
Jacket or similar article. T. Schaumer. 127,245–6; May 13.
Lamp, Fluorescent. H. Dreyfuss. 127,187; May 13.
Lamp, Fluorescent. M. Hallward. 127,170; May 13.
Lamp or similar article, Bed. D. Warsaw. 127,212; May 13.
Lamp, Portable. A. B. Mayer. 127,175; May 13.
Lighting fixture or similar article, Combined fluorescent. J. Levy. 127,173; May 13.
Monoplane, Tandem wing. L. E. Oliver. 127,159; May 13.
Necklace or the like. B. L. Atkins. 127,186; May 13.
Overboot. L. H. L'Hollier. 127,203; May 13.
Pajamas. M. Rubin. 127,235; May 13.
Paper weight. C. Gower. 127,201; May 13.
Pin and watch or similar article, Combination. A. Fingerhut. 127,206; May 13.
Receptacle, Electrical. H. Hubbell. 127,181; May 13.
Ring, Finger. F. P. Kinsley. 127,113; May 13.
Ring or similar article, Finger. A. Elkonin, 127,188; May 13.
Scarf or similar article, Table. S. J. Oppenheim. 127,244; May 13.
Shoe. G. H. Gillis. 127,198–200; May 13.
Shoe or similar article. D. J. Calderazzo. 127,106; May 13.
Shoe or similar article. I. E. Grossmann. 127,110; May 13.
Shoe or similar article. S. A. Wood. 127,115–19; May 13.
Shoe sole. J. B. Reynolds. 127,114; May 13.
Skirt and jacket ensemble. M. Boyle. 127,247; May 13.
Slipper. J. Macht. 127,243; May 13.
Socket and ejector, Combination lamp. M. Schwartz and W. Castedello. 127,177; May 13.
Stand and container for perfumery, Combined. R. B. Karoff. 127,112; May 13.
Stand and electric fan, Combined. W. W. Welch and W. A. Spear. 127,165–6; May 13.
Thermometer, Cooking. H. L. MacCowan. 127,157; May 13.
Tractor and semi-trailer, Combined armored. R. G. Le Tourneau. 127,182; May 13.
Washing machine. I. N. Merritt. 127,183; May 13.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 13TH DAY OF MAY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive article and making the same. A. W. Walker. 2,241,433; May 13.
Acid derivatives of aryl diamine, Sulphonic. J. B. Dickey and J. G. McNally. 2,241,769; May 13.
Acids, Preparing amino. M. Sahyun. 2,241,927; May 13.
Adhesive. P. B. Davidson and J. R. Adams. 2,241,700; May 13.
Aerial. E. C. Cork and J. L. Pawsey. 2,242,023; May 13.
Air conditioning system utilizing refrigeration. C. O. Bergstrom. 2,241,579; May 13.
Aircraft. H. S. Campbell. 2,241,503; May 13.
Aircraft surfaces, Structure of. H. Wagner. 2,241,972; May 13.
Airplane. P. A. Richard. 2,241,521; May 13.
Airplane structure. R. J. Woods. 2,242,200; May 13.
Alcohols, Higher. W. Normann. 2,242,017; May 13.
Alcohols, Higher aliphatic. W. Normann. 2,241,417; May 13.
Alcohols, Making higher aliphatic. W. Normann. 2,241,416; May 13.
Altar for homes. L. J. Murphy. 2,242,040; May 13.
Aluminum, Protection of. P. D. Ffield. 2,241,638; May 13.
Amplifier, Electrical. H. Boucke. 2,241,581; May 13.
Amplifier, Thermionic. A. H. Roche. 2,241,925; May 13.
Amplifier, Thermionic. C. E. Strong. 2,241,892; May 13.
Anchor device, Antiskid chain. S. Goldenberg. 2,241,592; May 13.
Animal drencher. C. D. Merritt. 2,241,468; May 13.
Animal trap. H. R. Graybill. 2,241,948; May 13.
Animal trap. A. A. Taylor. 2,241,529; May 13.
Ant trap. G. C. Wittwer and W. M. Stieh. 2,242,099; May 13.
Antenna and transmission line, High frequency. W. R. Koch. 2,241,913; May 13.
Antiglare device. F. C. Schwab. 2,242,044; May 13.
Apparatus for casting refractories. R. C. Benner and J. C. McMullen. 2,241,386; May 13.
Apparatus for classifying and separating particles of materials of different specific gravities. J. A. Brusset. 2,241,842; May 13.
Apparatus for delivering and permitting normal breathing of mixtures of gases. W. M. Boothby, A. H. Bulbulian and W. R. Lovelace. 2,241,535; May 13.
Apparatus for dispensing gummed tape. R. E. Engberg. 2,241,658; May 13.
Apparatus for drying porous textile material. L. A. Runton. 2,242,144; May 13.
Apparatus for gathering fibers. J. F. Hyde and S. M. Dockerty. 2,241,405; May 13.
Apparatus for inhalations. H. Peirano. 2,242,085; May 13.
Apparatus for making edge beads on sheet rubber. W. F. Gowdy. 2,241,813; May 13.
Apparatus for making proportional liquid additions to measured quantities of liquid. F. E. Olson and P. G. McAra. 2,241,732; May 13.
Apparatus for manufacturing paper. F. J. Lang and F. A. Walker. 2,241,554; May 13.
Apparatus for manufacturing thread or the like. L. J. Jordan. 2,241,723; May 13.
Apparatus for manufacturing thread or the like. H. B. Kline and L. S. Fryer. 2,241,725; May 13.
Apparatus for operating oil wells. E. O. Bennett. 2,242,166; May 13.
Apparatus for plant irrigation. W. M. Cooper. 2,241,699; May 13.
Apparatus for popping corn. I. H. Wilsey. 2,241,754; May 13.
Apparatus for popping corn. I. H. Wilsey. 2,241,938; May 13.
Apparatus for preparing very fine lustrous metal particles. J. Eckart. 2,241,848; May 13.
Apparatus for shaping fastener elements. E. J. Tuttle. 2,241,893; May 13.
Apparatus for underwater seismic surveying. D. Silverman. 2,241,428; May 13.
Apparatus for vaporizing and spraying thick liquids. H. H. Schmidt. 2,241,425; May 13.
Arrangement for coil winding with magnestizable cores. M. Kersten and A. Weis. 2,241,912; May 13.
Arrangement for matching antennae for wide frequency bands. W. Buschbeck and H. Meinke. 2,241,582; May 13.
Article handling mechanism for wrapping machines. W. Hoppe. 2,241,721; May 13.
Article retaining rack. K. Sievers. 2,242,150; May 13.
Attachment for bags. A. E. Norris. 2,241,612; May 13.
Attachment for test indicators. J. G. Sisson. 2,242,151; May 13.
Attachment for trombones, Foot-operable. W. H. Strane. 2,241,750; May 13.
Attachment to electrically operated coin controlled apparatus. E. E. Casey. 2,241,540; May 13.
Automobile body heater. C. H. F. Whitlark. 2,241,753; May 13.
Automobile, Flying. B. L. Beals, Jr. 2,241,577; May 13.
Auxiliary metal feeder for type-casting machines. A. B. Reid. 2,242,018; May 13.
Axle drive, Geared. J. W. Teker and J. C. Rhoads. 2,242,195; May 13.
Axle structure. O. W. Fry and H. W. Langbein. 2,241,453; May 13.
Baby walker. W. C. Baxter. 2,241,626; May 13.
Bag: *See*—
Cozy bag. Vacuum cleaner bag.
Bag filling device. K. D. Graves. 2,241,509; May 13.
Balancing mechanism for machine tools, Dynamic. H. Ernst and A. H. Dall. 2,241,637; May 13.
Ball return device for bowling games. W. Heiniger. 2,242,069; May 13.
Barrette. W. Huppert. 2,242,074; May 13.
Baseboard structure, Metallic. W. M. Goldsmith. 2,241,704; May 13.
Bean grader. B. I. Buck. 2,241,977; May 13.
Bearings and method of producing the same. P. E. Queneau and W. A. Mudge. 2,241,789; May 13.
Beater, Rug. F. S. Smith. 2,242,152; May 13.
Bed, Day. H. Hopkes. 2,241,552; May 13.
Belting, Conveyer. J. Hornsby. 2,242,128; May 13.
Beryllium metal. Recovery of. G. Jaeger and A. Rudert. 2,241,514; May 13.
Beverage cooler. A. W. Sherwood. 2,241,426; May 13.
Beverage cooler, Air-cooled bottled. R. S. Read. 2,241,558; May 13.
Binder. I. Spinner. 2,242,185; May 13.
Binder device, Loose leaf. E. A. Koelling. 2,242,035; May 13.
Bit: *See*—
Rotary bit.
Blasting initiators, Making. M. H. English and R. R. Nydegger. 2,242,117; May 13.
Block: *See*—
Reel block.
Blood, Processing. A. Reimann. 2,241,868; May 13.
Blowpipe tip. M. R. Scott. 2,241,618; May 13.
Board: *See*—
Panel board.
Boiler: *See*—
Mercury boiler.
Bore center indicator. R. K. Haskell. 2,241,401; May 13.
Bottle drier. B. Elboum. 2,241,448; May 13.
Bottle drier. A. W. Goodwin. 2,241,947; May 13.
Bottle, Nonrefillable. M. J. Duffy. 2,241,394; May 13.
Box: *See*—
Display box. Match box.
Box. W. J. De Witt. 2,242,059; May 13.
Boxes, Method and machine for making folding. M. H. Sidebotham. 2,241,678; May 13.
Bracket: *See*—
Supporting bracket.
Brake. E. F. Loweke. 2,241,728; May 13.
Brake and accelerator pedal, Combination. F. M. Rushfeldt. 2,242,145; May 13.
Brake apparatus, Hydraulic. G. J. Thomas. 2,242,096; May 13.
Brake device, Backpedaling. G. Roés. 2,241,525; May 13.
Brake mechanism. C. L. Eksergian. 2,242,060; May 13.
Brake mechanism. E. G. Mueller. 2,242,015; May 13.
Brake mechanism. H. A. Rush. 2,241,479; May 13.
Brake mechanism. T. F. Thompson. 2,242,153; May 13.
Branner roll. H. C. Rodgers. 2,241,524; May 13.
Brass trimmer, Journal. W. T. Bissell. 2,241,628; May 13.
Breast box for paper machines. F. H. Williams. 2,241,688; May 13.
Bridging plug. L. Spencer. 2,241,561; May 13.
Bridging plug slip means. C. H. Barnes. 2,241,532; May 13.
Broach. F. J. Lapointe. 2,242,036; May 13.
Broadcast waves for obtaining high frequency carrier, Utilization of. W. van B. Roberts. 2,241,933; May 13.
Brush. W. A. Chapman. 2,241,845; May 13.
Brush and connector, Electric contact. K. G. Martin. 2,242,014; May 13.
Brush, Combination bowl and rim. F. J. Kapinos. 2,242,004; May 13.

Brush, Flexible backed. E. Cohen. 2,241,876; May 13.
Buckle. C. E. Beatty. 2,242,102; May 13.
Building construction. J. E. Tourtellotte. 2,241,830; May 13.
Building facing. R. B. Bawtenheimer. 2,241,898; May 13.
Bung or discharge hole formation in a sheet metal container wall. E. Steven. 2,241,793; May 13.
Burner: *See*—
Gaseous fuel burner. Ribbon burner.
Burner control system, Fuel. W. L. McGrath. 2,242,183; May 13.
Cabinet: *See*—
Filing cabinet. Shower bath cabinet.
Cabinet for telegraph printers. V. Weidner. 2,241,797; May 13.
Cable armoring machine. W. H. Blount and C. F. Fisher. 2,242,022; May 13.
Cable assembly. H. G. Warnke. 2,241,687; May 13.
Calculating machine. J. C. Gates. 2,241,591; May 13.
Calculating machine. A. Thomas. 2,242,095; May 13.
Camera or the like, Photographic or cinematographic. A. Martin. 2,242,013; May 13.
Candle lamp. H. S. Brady. 2,241,698; May 13.
Cap. E. M. Enkur. 2,241,588; May 13.
Capping machine, Container. H. E. Gantzer. 2,241,455; May 13.
Car: *See*—
Railroad car. Railway car.
Car truck frame. M. P. Blomberg and W. H. Mussey. 2,242,190; May 13.
Carbonyl, Manufacture of metal. A. Danciger. 2,242,115; May 13.
Carburetor. H. A. Carlson. 2,241,655; May 13.
Carburetor valve. H. W. Buboltz. 2,241,537; May 13.
Carpenter's tool. D. Alfred. 2,241,570; May 13.
Carriage, Baby. M. D. Welsh. 2,241,799; May 13.
Case: *See*—
Comb case.
Cash register. W. E. Eickman. 2,241,987; May 13.
Casing and grid structure. E. C. Schmid. 2,241,740; May 13.
Casing, Automatic closing atomizer. E. G. Peterson. 2,241,920; May 13.
Castings, Treating copper alloy. F. R. Hensel and E. I. Larsen. 2,241,815; May 13.
Cathode for electric vacuum tubes, Cold. H. Paetow. 2,242,042; May 13.
Cathode ray device, High power. J. T. Anderson, D. Gabor, H. W. H. Warren, and R. S. Wells. 2,241,974; May 13.
Cell, Concentrating. C. E. Wood. 2,242,020; May 13.
Ceramic articles, One-fire method of manufacturing. H. R. Goodrich. 2,241,705; May 13.
Chain: *See*—
Roller chain.
Chain making machine. G. E. Barstow. 2,242,164; May 13.
Chair: *See*—
Folding chair. Folding rocking chair.
Chair seat. A. C. Hoven and W. E. Nordmark. 2,241,909; May 13.
Chair seat or the like. H. P. Nordmark. 2,241,473; May 13.
Channel construction for comminutors. A. C. Durdin, Jr. 2,241,587; May 13.
Chlorides, Preparing hydrated copper. F. Wolff. 2,241,800; May 13.
Chuck. L. E. Whiton. 2,241,564; May 13.
Churn, Vacuum. R. D. Pike. 2,241,930; May 13.
Cigarette making device. C. E. Karst. 2,242,000; May 13.
Cinematographic apparatus. L. E. Whittaker. 2,241,689; May 13.
Circuit: *See*—
Electronic circuit. Modulating circuit.
Frequency response circuit. Thermionic valve circuit.
Circuit breaker. R. C. Dickinson. 2,241,810; May 13.
Circuit interrupter. S. S. Grady. 2,242,066; May 13.
Clamping device. E. H. and J. A. McClelland. 2,241,609; May 13.
Clamping device. F. M. Powers. 2,241,960; May 13.
Clamping member. A. J. Petkus. 2,241,921; May 13.
Clamping or compressing apparatus. J. S. Stull. 2,241,794; May 13.
Cleaner: *See*—
Vacuum cleaner.
Cleaning apparatus, Floor. J. T. Murphy. 2,242,140; May 13.
Cleaning device. J. D. Berry. 2,241,443; May 13.
Cleanout plug. H. A. Schouler. 2,241,560; May 13.
Cleansing apparatus. G. W. Rathjens. 2,241,646; May 13.
Cleansing composition. E. W. Rembert. 2,241,790; May 13.
Climber, Portable. E. H. Hurley. 2,241,859; May 13.
Clippers, Hair. E. E. Hardin. 2,241,719; May 13.
Clock, Time. B. Moss. 2,241,610; May 13.
Coating, Protecting. H. van Thiel. 2,241,493; May 13.
Coatings from metallic parts, Removing metallic. W. E. Day, Jr. 2,241,585; May 13.
Coatings, Removing baked organic. J. F. Buckman. 2,242,106; May 13.
Coffee making apparatus. S. J. Bachardy. 2,242,162; May 13.
Coil and core therefor, Electric. H. E. Somes. 2,241,431; May 13.
Coil and making the same, Electrical. C. O. Blaisdell and F. Martindell. 2,241,761; May 13.
Coil, Lock switch. L. O. Parker. 2,242,142; May 13.
Coil, Toroidal. K. Koschmieder. 2,241,914; May 13.
Coin collector apparatus. J. S. Franks. 2,241,452; May 13.
Collar holder, Soft. L. A. Anderson. 2,241,756; May 13.
Comb case. P. J. Lynn. 2,242,134; May 13.
Comb, Hinged double. S. Foster, Jr. 2,241,879; May 13.
Combs for shaving implements, Making. I. Jepson. 2,242,180; May 13.
Combustion apparatus. J. W. Miller. 2,241,470; May 13.
Communication, System of. L. E. Hayslett and F. M. Schmidt. 2,241,663; May 13.
Compass, Earth inductor. G. Barth. 2,241,499; May 13.
Composition. C. D. Clarke. 2,241,875; May 13.
Composition for preventing or stopping leaks in conduits. H. Rosenthal. 2,241,963; May 13.
Compression regulator. C. L. Evans. 2,241,378; May 13.
Compressor. E. R. Huntley. 2,241,460; May 13.
Compressor or vacuum pump. E. P. Meixsell. 2,241,718; May 13.
Condenser arrangement. E. S. Thompson. 2,241,970; May 13.
Congelation depressor. F. M. Clark. 2,241,982; May 13.
Contact ring for knitting machines, Electric. M. Wachsman. 2,241,683; May 13.
Container. J. M. Hothersall. 2,241,381; May 13.
Container. R. E. Lowey. 2,241,710; May 13.
Container. O. W. Wentz. 2,241,834; May 13.
Container. R. J. White. 2,241,435; May 13.
Container. P. Zalkind. 2,241,802; May 13.
Container closure. O. W. Wentz. 2,241,835–6; May 13.
Container sealing machine. R. E. Lowey. 2,241,711; May 13.
Control column, Stowable. R. A. Wolf. 2,242,159; May 13.
Control device. F. Klein. 2,242,002; May 13.
Control system. F. H. Pritchard. 2,241,961; May 13.
Control and actuation device for liquid pressure brakes for vehicle wheels. G. Alfieri. 2,241,374; May 13.
Control apparatus. J. W. Dawson and W. R. Wickerham. 2,241,808; May 13.
Control mechanism for hydraulic and/or air brakes. J. A. Liberatoscioli. 2,241,407; May 13.
Control mechanism for refrigerators. S. W. E. Andersson. 2,241,571; May 13.
Control mechanism, Gearshift. J. R. McCordic. 2,242,038; May 13.
Control system, Electric. E. J. H. Jones. 2,242,076; May 13.
Control system, Overdrive. E. M. Claytor. 2,241,631–2; May 13.
Controller for motor driven printing presses and the like. C. P. Feldhausen. 2,241,589; May 13.
Controlling mechanism for model railroads. C. E. J. Modjeski. 2,241,471; May 13.
Conveyer. J. D. Hemley. 2,241,640; May 13.
Conveyer mechanism. B. I. Buck. 2,241,978; May 13.
Conveyer system, Tubular. K. Mehlis and W. Mühlberg. 2,241,917; May 13.
Conveyer, Trolley. L. E. Gaboury. 2,242,065; May 13.
Conveying means. H. H. Harris. 2,241,399; May 13.
Cooler: *See*—→
Beverage cooler.
Cooler and strainer, Milk. G. McNally. 2,241,916; May 13.
Cork products and similar material, Molding. M. Levin. 2,242,037; May 13.
Corn snapping machine. C. K. Shedd and E. V. Collins. 2,241,928; May 13.
Cotton picking machine, Self-propelled. J. D. Rust. 2,241,423; May 13.
Coupler, Car. W. J. Metzger. 2,242,136; May 13.
Coupling: *See*—
Hose coupling. Rod coupling.
Coupon book. L. T. Cramer and J. D. Boyles. 2,242,114; May 13.
Cover and support means, Container. L. G. Bates. 2,241,501; May 13.
Covering for vacuum cleaners, Protective. W. O. Langille. 2,241,862; May 13.
Cozy bag. W. G. Hutchison. 2,242,130; May 13.
Crank mechanism. H. J. Waechter. 2,242,157; May 13.
Crutch, Adjustable. F. H. Schroeder. 2,241,481; May 13.
Curtain stretcher. J. S. Walker and A. M. Walker. 2,241,895; May 13.
Cushion, Bedpan. A. Rainboth. 2,242,088; May 13.
Cushion construction. H. Honkes. 2,241,551; May 13.
Cutting device. A. J. Lurie. 2,241,608; May 13.
Cylinder, Printing. P. L. Miller. 2,241,671; May 13.
Damping means. A. L. W. Williams and J. J. Neff. 2,241,837; May 13.
Daubing implement. A. E. Tomkin. 2,242,154; May 13.
Deck or floor, Bridge. G. G. Greulich. 2,241,512; May 13.
Deflecting tool. F. W. Sharp. 2,241,486; May 13.
Designation strip. R. A. Hecht. 2,241,882; May 13.
Device for agitating dice. J. C. Wobensmith. 2,241,567; May 13.

Device for placing gravel in holes. J. D. Ball. 2,241,439; May 13.
Diaphragm, X-ray secondary. S. H. Ledin. 2,241,516; May 13.
Dimension determining device. L. S. Williams. 2,241,691; May 13.
Dioclins, Producing. W. Reppe, A. Steinhofer, and O. Heet. 2,241,792; May 13.
Direction finder arrangement. N. E. Klein. 2,241,883; May 13.
Direction finding system. H. Eggers. 2,241,903; May 13.
Direction-finding system. E. Kramar. 2,241,915; May 13.
Disk with synchronization device, Scanning. K. Schlesinger. 2,241,964; May 13.
Display box. C. F. Friedrich and H. P. Wareham, Jr. 2,241,989; May 13.
Display compartment, Air conditioned. K. W. Hall and D. W. McCready. 2,241,854; May 13.
Display, Conditioned. K. W. Hall and D. W. McCready. 2,241,853; May 13.
Door closure, Freight car. L. R. Jodoin. 2,242,132; May 13.
Door construction for heaters. E. P. Baker. 2,241,574; May 13.
Display device. G. E. Buzza. 2,241,944; May 13.
Dolly. J. W. Harris. 2,242,067; May 13.
Door latch, Automobile. E. Van Note. 2,241,872; May 13.
Door opening device. T. O. Haynes. 2,241,994; May 13.
Dough divider. D. W. Smith. 2,241,890; May 13.
Draft control. E. A. Field, Jr. 2,241,590; May 13.
Drier: *See*—
Bottle drier.
Drier. W. C. Glover, Jr. 2,241,702; May 13.
Drill. J. J. McNamara. 2,241,712; May 13.
Drill holes, Method of logging. L. F. Athy and H. R. Prescott. 2,242,161; May 13.
Drilling apparatus, Directional. G. L. Scott and W. B. Noble. 2,241,746; May 13.
Drives, Controlling of. A. F. Shields. 2,241,427; May 13.
Driving mechanism, Magnetic. W. B. Connolly. 2,241,983; May 13.
Drying. B. Campbell. 2,241,375; May 13.
Duct, Floor. F. J. Kennedy. 2,241,783; May 13.
Dumping apparatus. W. E. Maher. 2,241,953; May 13.
Dyestuffs, Acid azo. C. Taube and H. Rinke. 2,241,795; May 13.
Dyestuffs, Azo. C. Taube, H. Rinke, and E. Fischer. 2,241,796; May 13.
Dyestuffs, Monoazo. R. Fleischhauer, C. T. Schultis, and E. Korten. 2,241,774; May 13.
Dynamoelectric machine. C. C. Leader. 2,242,005–9; May 13.
Dynamoelectric machine. C. Macmillan. 2,242,010; May 13.
Ear and brow muff. R. P. Reinemer. 2,241,736; May 13.
Educational device. E. Schwartz. 2,241,869; May 13.
Elastic fluid engine. C. W. H. D. Bennet. 2,241,975; May 13.
Electric contact, Silver. F. R. Hensel and K. L. Emmert. 2,241,816; May 13.
Electric phase control system. J. Plebanski. 2,241,615; May 13.
Electric snap switch. G. J. Meuer. 2,241,469; May 13.
Electrical amalgamating apparatus. H. D. Brown. 2,241,392; May 13.
Electrical control apparatus. A. W. Plensler and R. C. Marholz. 2,241,715; May 13.
Electrical surveying. D. Silverman and P. F. Hawley. 2,241,623; May 13.
Electrical switch. C. H. Reynolds. 2,241,828; May 13.
Electrical units, Method of and apparatus for wiring. H. W. Garbe and H. Saravalli. 2,241,880; May 13.
Electrode, Grid. E. G. Widell 2,241,565; May 13
Electronic circuit. W. H. Bliss. 2,241,533; May 13.
Electro-optical instrument. R. L. Schoene. 2,241,743; May 13.
Electroresponsive device. V. Aigner and B. Nerlich. 2,241,973; May 13.
Elements of organic material, Preserving valuable. G. D. Arnold. 2,241,654. May 13.
Enamel, Vitreous. V. H. Remington and R. Andrews. 2,241,520; May 13.
Enamelware, Mottled. E. E. Bryant. 2,241,803; May 13.
Engine: *See*—
Elastic fluid engine.
Internal combustion engine.
Engine starter. J. W. Fitz Gerald. 2,241,639; May 13.
Ethers and their sulphonated derivatives. D. Price and B. A. Dombrow. 2,241,421; May 13.
Ethers, High viscosity cellulose. C. R. Fordyce and J. G. Stampfli. 2,241,397; May 13.
Exercising device. L. A. Waller. 2,241,833; May 13.
Exhaust conduit arrangement for air-cooled aircraft engines. P. E. Mercier. 2,241,954; May 13.
Extrusion apparatus. L. S. Deitz. 2,241,543; May 13.
Fabric: *See*—
Knitted fabric.
Fastener: *See*—
Slide fastener.
Feed mechanism for slicing machines. A. A. Kottmann. 2,242,181; May 13.
Feeding and centering mechanism. M. E. Fonken. 2,241,659; May 13.
Fertilizers, Making. K. Petersen. 2,241,734; May 13.
Filter: *See*—
Nasal filter.
Filing cabinet. W. W. Noble. 2,241,884; May 13.
Filling machine. E. S. Minard. 2,241,672; May 13.
Finger for box wrapping machinery, Turn-in. E. G. Rider. 2,241,962; May 13.
Firearm construction. L. H. Page. 2,241,825; May 13.
Fire fighting apparatus. O. B. Hisaw. 2,241,857; May 13.
Fish elevator. W. F. Schlothan. 2,241,934; May 13.
Fishing tackle. J. T. Gilstrap. 2,241,851; May 13.
Fitting and cap therefor, Extension. L. B. Wackman. 2,241,562; May 13.
Fitting, Hinge. F. M. Salisbury. 2,242,147; May 13.
Flat knitting frame. M. Richter and A. Lolmann. 2,242,143; May 13.
Floor and cowling construction, Airplane. R. J. Woods. 2,242,199; May 13.
Flow device. R. E. Millican. 2,241,643; May 13.
Fluid control, Adjustable. W. H. Emerson. 2,241,772; May 13.
Fluid displacement device, Rotary. E. A. Cuny. 2,242,058; May 13.
Folding chair. W. Hanley. 2,241,881; May 13.
Folding rocking chair. S. L. Long. 2,242,081; May 13.
Food products and the like, Packing. S. H. Berch. 2,241,943; May 13.
Footwear, Manufacture of. A. F. Bancroft. 2,241,440; May 13.
Forming machine. H. I. Morris. 2,241,414; May 13.
Fountain pen. L. P. Martin and H. K. Stempel. 2,241,865; May 13.
Fracture of femur, Method and apparatus for reduction of. F. A. Lorenzo. 2,242,003; May 13.
Frame: *See*—
Car truck frame. Flat knitting frame.
Frequency control system, Automatic. B. Trevor. 2,241,937; May 13.
Frequency response circuit, Variable. I. Zakarias. 2,241,569; May 13.
Fuel, Compression-ignition engine. B. M. Vanderbilt. 2,241,492; May 13.
Fuel induction system. E. R. Jacoby. 2,241,461; May 13.
Fuel injector, Hydraulic. J. D. Fague. 2,241,508; May 13.
Furnace. L. E. Griffith and O. Craig. 2,241,949; May 13.
Furnace control. P. A. Mulcey and A. J. Johnson. 2,242,039; May 13.
Furnace having automatic fuel control. H. W. Sanford. 2,241,424; May 13.
Furnace with automatic fuel controlling and supplying means. W. P. Biddle, Jr. 2,241,390; May 13.
Fuse head and composition for use therefor. L. K. Ingram. 2,241,406; May 13.
Game apparatus. W. A. Glover and A. S. Wimberly. 2,242,122; May 13.
Garment. J. H. Schweich. 2,241,889; May 13.
Garment marker. K. Hoffman. 2,242,071; May 13.
Gas analysis apparatus. A. E. Krogh and J. P. Vollrath. 2,241,555; May 13.
Gas washing apparatus. A. Mohr, Jr., and J. P. Grilli. 2,241,674; May 13.
Gases from liquids, Separating. M. Shoeld. 2,241,621; May 13.
Gaseous fuel burner. D. A. Campbell. 2,241,583; May 13.
Gauge: *See*—
Make-up gauge. Strain gauge.
Gauge. I. P. Johnson. 2,242,131; May 13.
Gauge valve. E. L. Aschenbach. 2,241,573; May 13.
Gearing for mowing machines. R. W. Wagner. 2,241,495; May 13.
Gearing, Speed change. R. S. Taylor. 2,241,680; May 13.
Gels and making the same, Hydrous silicate. E. W. Rembert. 2,241,791; May 13.
Generator: *See*—
Steam generator.
Generators, Conditioning X-ray. Z. J. Atlee. 2,242,101; May 13.
Geophysical exploration. T. Zuschlag. 2,241,874; May 13.
Getter for X-ray generators. Z. J. Atlee. 2,242,100; May 13.
Glass bodies, Treating the surface of. J. F. Greene. 2,241,511; May 13.
Glass, Laminated. A. Weihe and F. Herrlein. 2,242,019; May 13.
Glass, Method and apparatus for making optical. J. C. Hostetter. 2,242,129; May 13.
Glass washing composition. W. C. Cooper. 2,241,984; May 13.
Glove. P. L. Vernhes. 2,241,681; May 13.
Gluing and sheeting machine. J. A. Heckman. 2,241,664; May 13.
Governor, Food mixer. A. Strauss and W. D. Harbaugh. 2,241,528; May 13.

Governor, Overspeed emergency. W. F. Reisch. 2,242,194; May 13.
Grader and attachment therefor. O. M. Hueter, Jr. 2,241,666; May 13.
Granular article containing cellulose ether and wax. E. L. Kropscott. 2,241,706; May 13.
Grinding machine for shelled corn or other grain. H. J. Mankoff. 2,241,667; May 13.
Grinding mill. G. A. Camphuis. 2,242,109; May 13.
Grip for hand tools. N. P. Sjobring. 2,241,965; May 13.
Ground lead support, Static wire. H. L. Schlosser. 2,241,739; May 13.
Guard for hangers, Garment. A. Berke. 2,241,697; May 13.
Guard for trash burning baskets and the like. H. G. Carsley. 2,242,111; May 13.
Guard, Wheel. R. R. Ware. 2,241,686; May 13.
Guide, Nail polish brush. A. McKinney, Jr. 2,242,016; May 13.
Hair, Waving the. A. J. Fermor. 2,242,063; May 13.
Hammer, Drop. A. T. Murray. 2,241,787–8; May 13.
Hand printing press. J. F. Boyer. 2,242,104; May 13.
Harmonics in power systems, Method and apparatus for reducing. H. W. Wahlquist. 2,241,832; May 13.
Heater: *See*—
Automobile body heater.
Heater. A. E. Anderson. 2,242,160; May 13.
Heating apparatus. G. M. Maier. 2,241,864; May 13.
Heating element, Electrical. H. H. Schwarzkopf. 2,242,203; May 13.
Heating system. F. A. Furlong. 2,241,661; May 13.
Herbarium. B. Gabor. 2,242,119; May 13.
High frequency apparatus. J. P. Blewett and S. Ramo. 2,241,976; May 13.
Hinge assembly. L. Casper. 2,242,052; May 13.
Hinge, Stop. J. R. Hall. 2,241,992; May 13.
Hoisting device. J. O. Barton. 2,241,695; May 13.
Holder: *See*—
Collar holder. Plant holder.
Holder for piezoelectric devices. E. L. Gardiner. 2,242,120; May 13.
Hood and cape, Combination infant's. J. Astrove. 2,241,694; May 13.
Hose coupling, High pressure. J. V. Ryan and E. S. Davis. 2,241,926; May 13.
Hosiery. R. E. Davis. 2,241,901; May 13.
Hydraulic device. R. Crzellitzer. 2,242,057; May 13.
Hydraulic device. H. Thoma. 2,241,651; May 13.
Hydraulic transmission. G. W. Chester. 2,242,112; May 13.
Hydraulic press system. J. C. Cotner. 2,241,807; May 13.
Hydrocarbons, Conversion of. G. Roberts, Jr., and G. W. Robinson. 2,241,716; May 13.
Hydrocarbons, Conversion of. G. W. Robinson and G. Roberts, Jr. 2,241,717; May 13.
Hydrocarbons, Method and apparatus for treating. S. C. Carney. 2,242,110; May 13.
Hydrocarbons of the diolefin series, Production of aliphatic branched-chain. W. Friedrichsen. 2,241,777; May 13.
Hydrocarbons, Treating. P. S. Danner. 2,241,393; May 13.
Hydrocarbons, Treating. A. L. Snow. 2,241,430; May 13.
Hydrocarbons, Treatment of. E. T. Layng. 2,241,708; May 13.
Hydropneumatic pump. L. R. Chambers. 2,241,765; May 13.
Ice and concentrate, Separation of. G. A. Krause. 2,241,726; May 13.
Ice receptacle. M. J. Uline. 2,242,155; May 13.
Illuminating and signaling device, License tag. H. Schmitt. 2,241,741; May 13.
Incandescent electric lamp. P. Schwerin. 2,241,935; May 13.
Indicating device. E. Frischknecht. 2,241,548; May 13.
Indicator: *See*—
Bore center-indicator. Remote indicator.
Indium, Recovering. C. Zischkau and H. B. Linford. 2,241,438; May 13.
Infeed mechanism for grinding machines, Automatic. J. Decker. 2,241,634; May 13.
Inhalator. B. M. Rice. 2,241,522; May 13.
Ink vaporizing apparatus. P. J. Barnes. 2,241,759; May 13.
Insect trap. G. G. Wittwer and W. M. Stieh. 2,242,098; May 13.
Intake system for internal combustion engines. W. E. Brill. 2,241,630; May 13.
Intercooler. B. Pinkel. 2,241,420; May 13.
Interlock, Transmission. O. E. Fishburn. 2,242,027; May 13.
Internal combustion engine. T. E. Hull. 2,241,910; May 13.
Iron: *See*—
Laundry pressing iron.
Iron and additional material therefor, Making of cast. T. E. Barlow. 2,241,575; May 13.
Iron, Manufacture of wrought. F. W. White. 2,241,434; May 13.
Ironing machine. J. A. Castricone. 2,241,539; May 13.
Jack: *See*—
Truck jack.
Jar. C. A. Rasmussen. 2,241,477; May 13.
Joint: *See*—
Pivotal joint.
Ketones, Catalytic oxidation of. O. C. Slotterbeck. 2,241,487; May 13.
Knitted fabric. G. L. Logan. 2,241,727; May 13.
Knitted goods on the straight bar knitting machine, Manufacture of. E. Eissner and F. Pester. 2,241,988; May 13.
Knitting machine. H. E. Houseman. 2,241,404; May 13.
Knitting machine, Flat. C. W. Strzalkowski. 2,242,047; May 13.
Knob, Manipulating. L. Kamenarović. 2,241,724; May 13.
Label for cans. R. R. Brown. 2,242,172; May 13.
Lamp: *See*—
Candle lamp. Multifilament lamp.
Incandescent electric lamp.
Lamp dimming system. G. A. Brettell, Jr. 2,242,105; May 13.
Landing method and system for aircraft. W. M. Hahnemann and E. Kramar. 2,241,907; May 13.
Last shelling. J. J. Brophy. 2,241,502; May 13.
Latch: *See*—
Door latch.
Latch. A. Datkin. 2,241,985; May 13.
Laundering and cleaning. H. B. Bishop. 2,241,580; May 13.
Laundry pressing iron. W. M. Cissell. 2,241,945; May 13.
Lawn edging device. E. Schulz. 2,241,744; May 13.
Lead, Treating. H. M. Burkey. 2,241,806; May 13.
Lens, Ophthalmic. H. R. Moulton. 2,241,415; May 13.
License plate and trunk handle assembly. L. B. Simon. 2,241,647; May 13.
Lifting systems, Stabilization of rotating. W. A. Loth and S. M. H. Guyot. 2,241,786; May 13.
Light: *See*—
Vehicle light.
Light source. C. G. Suits. 2,241,968; May 13.
Link, Connecting. T. M. Ball. 2,242,021; May 13.
Liquids from gases, Recovering. S. E. Buckley. 2,242,173; May 13.
Load supervisory control means for a mechanical speed governor. C. J. Holslag. 2,242,072; May 13.
Lock: *See*—
Safety master lock. Snap lock.
Locomotive frame support. C. Fahlstrom and H. Walker. 2,241,396; May 13.
Loop, Assist. A. Claud-Mantle. 2,241,504; May 13.
Loop modifying mechanism of straight knitting machines. J. Held. 2,242,070; May 13.
Lubricating compound manufacture. R. E. Burk and H. P. Lankelma. 2,242,174; May 13.
Lubricating device. W. L. Scribner. 2,241,870; May 13.
Lubricating device. E. A. Winfield. 2,241,566; May 13.
Luminescent material. G. Aschermann and E. Friederich. 2,241,939; May 13.
Luminescent material. M. Hüniger and H. Panke. 2,241,950–1; May 13.
Lure, Angling. E. E. Bates. 2,241,941; May 13.
Lure, Fish. O. F. Cullerton. 2,241,767; May 13.
Machine for and method of hardening cams. S. C. Wasson, B. E. Gavin, and F. R. Pollard. 2,242,158; May 13.
Machine for abrading photoengraving cylinders. F. E. Yetter. 2,241,568; May 13.
Machine for cutting ties in blind webs. E. Schilke. 2,242,091; May 13.
Machine for debutting corn. R. Cover. 2,242,113; May 13.
Machine for disintegrating solid and semisolid materials. W. P. Treloar. 2,241,491; May 13.
Machine for evacuating and exerting pressure on fluids. F. C. Long. 2,241,607; May 13.
Machine for flock printing. J. A. McCann. 2,242,182; May 13.
Machine for forming shoe soles. A. Eppler, Jr. 2,241,507; May 13.
Machine for grinding bodies of rotation with curved generatrices. E. G. Hjärpe. 2,242,031; May 13.
Machine for producing tufted fabrics. W. Borenstein and I. Duckstein. 2,242,103; May 13.
Machine for removing scale from rods. P. W. Dillon. 2,242,024; May 13.
Machine tool. M. Birkigt. 2,242,170; May 13.
Machine tool. H. Füssenhäuser. 2,242,028; May 13.
Machine tool adapted for the production of cherrying cuts or substantially similar work. P. M. Henkes and F. Steinbrecker. 2,242,123; May 13.
Machine tool, Automatic. M. Birkigt. 2,242,169; May 13.
Magnetic bodies, Manufacture of. A. F. Bandur. 2,241,441; May 13.
Make-up gauge. H. W. Hacker. 2,241,597; May 13.
Manufacturing oil shields for internal combustion engines. E. L. Wylie. 2,241,498; May 13.
Mask. A. R. Houk. 2,242,032; May 13.
Match box. D. O. Ford. 2,241,660; May 13.
Materials, Treating. B. A. Smith. 2,241,429; May 13.
Measuring device. L. S. Williams. 2,241,692–3; May 13.
Measuring instrument, Magnifying. L. S. Williams. 2,241,690; May 13.
Measuring instrument, Surgical. H. S. Fist. 2,241,451; May 13.
Meat-slitting machine. J. P. Spang. 2,241,648–9–50; May 13.

Mechanical drive. W. C. De Roo. 2,241,635; May 13.
Mechanism for insuring engine control according to given orders. J. Olsson. 2,241,475; May 13.
Mercury boiler. A. R. Smith. 2,241,966; May 13.
Mercury compounds, Process for the manufacture of aryl. G. J. Six and J. R. Booer. 2,241,829; May 13.
Metal cutting tool. R. C. Johnsen and H. C. Smith. 2,242,033; May 13.
Metal to porcelain seals, Manufacture of. M. J. Cuttler. 2,241,505; May 13.
Metals by the electric arc, Working. P. A. E. Armstrong. 2,241,572; May 13.
Metallic surfaces, Melting and welding. M. J. Wall. 2,241,563; May 13.
Meter for photographic apparatus, Exposure. O. Sanger, H. Becker, and H. Broschke. 2,242,043; May 13.
Metering system. L. L. Call. 2,242,107; May 13.
Method of and apparatus for firing and feeding batch to glass melting furnaces. V. Mulholland. 2,241,611; May 13.
Microphone. E. Fischer. 2,242,118; May 13.
Microscope, Electron scanning. M. von Ardenne and B. von Borries. 2,241,432; May 13.
Milk beverage, Malted. M. E. Tucker. 2,241,971; May 13.
Mill: *See*—
Grinding mill.
Mineral wool, Making. C. F. Ramseyer. 2,242,089; May 13.
Mirror, Rear view. P. W. Needham. 2,241,866; May 13.
Modeling compound. D. C. Carter. 2,241,376; May 13.
Modulating circuit. G. Guanella. 2,241,595; May 13.
Mold. H. S. Ingham. 2,241,996; May 13.
Mold dressing. W. Gray and F. H. MacLaren. 2,241,594; May 13.
Molding press, Automatic. V. I. Zelov and W. Strauss. 2,242,189; May 13.
Molybdates in lumps, Producing alkaline-earth. G. Schulphaus. 2,241,742; May 13.
Mop, Wringer. G. E. Bodimer. 2,241,763; May 13.
Motor compressor of the free piston type. R. P. Pescara. 2,241,957; May 13.
Motor connection. O. N. Sellers. 2,241,484; May 13.
Motor installation, Auxiliary. R. J. Woods. 2,242,202; May 13.
Mount, Hinged. R. J. Woods. 2,242,201; May 13.
Mounting: *See*—
Rake teeth mounting. Rim mounting.
Mounting. H. C. Lord. 2,241,408; May 13.
Mounting for metal lath, Furring. W. M. Goldsmith. 2,241,991; May 13.
Mucking machine. D. C. Corner. 2,241,446; May 13.
Muffler, Slicing, orbit function fluid stream. H. McCurdy. 2,241,729; May 13.
Multifilament lamp. J. E. Hatula. 2,241,598; May 13.
Multiposition electric switch. R. H. Bentley and W. L. Dietrich. 2,242,167; May 13.
Musical instrument, Stringed. C. O. Kauffman. 2,241,911; May 13.
N-furfurylaminophenols, Preparing. F. R. Bean. 2,241,760; May 13.
Nacelle construction. R. J. Woods. 2,242,198; May 13.
Nasal filter. B. Nemon. 2,241,472; May 13.
Necktie rack. L. R. Schilling. 2,242,090; May 13.
Nitrates, Manufacture of. H. Pauling. 2,241,613; May 13.
Nitrogen derivatives of cellulose, Manufacture of. H. Dreyfus. 2,241,542; May 13.
Nonskid mechanism for dual wheels. A. J. Fuchs. 2,241,849; May 13.
Notebook. R. J. Gelinas. 2,242,064; May 13.
Nozzle for vacuum cleaners. G. Dahl. 2,241,776; May 13.
Nozzle for vacuum cleaners. A. Forsberg. 2,241,775; May 13.
Nozzle, Suction. E. Edström. 2,241,946; May 13.
Nozzle, Suction. L. J. F. Eli. 2,241,771; May 13.
Numbering machine. W. Fuas. 2,241,450; May 13.
Nut meats from shells. Method of and apparatus for detaching and separating. F. B. Romberg. 2,241,737; May 13.
Oil, Cold metal working. G. W. Flint. 2,241,547; May 13.
Oil, Instrument. P. J. Wiezevich. 2,241,531; May 13.
Oils, Refining of vegetable. B. H. Thurman. 2,242,188; May 13.
1,2-dichlorobutene-3, Transposing. O. Nicodemus and W. Schmidt. 2,242,084; May 13.
Operating member for electric switches and the like. H. W. Batcheller. 2,242,165; May 13.
Optical economizer. A. J. Holman. 2,241,403; May 13.
Ornamenting machine. B. W. Freeman. 2,241,398; May 13.
Oscillating mechanical system for the transmission of power. G. H. Schleferstein. 2,241,527; May 13.
Oscillator. J. B. Sherman. 2,241,619; May 13.
Package. S. R. Howard. 2,241,459; May 13.
Package and making the same, Wound. F. J. Kent and G. H. Seelig. 2,242,001; May 13.
Package, Artificial silk thread. T. Grauer. 2,241,510; May 13.
Package, Handkerchief. W. S. Mogabgab. 2,241,673; May 13.
Package, Roll. E. J. Heizer. 2,241,458; May 13.
Packaging machine. S. H. Berch. 2,241,942; May 13.
Packaging machine. S. R. Howard. 2,241,817; May 13.
Pad or cushion for toboggans and the like. F. Lovick. 2,241,466; May 13.
Pan, Baking. J. G. Jackson. 2,241,781; May 13.
Pan, Baking. A. L. Langel. 2,241,707; May 13.
Pane retaining means. I. H. R. Holmquist. 2,242,127; May 13.
Panel board, Making fiber. C. Batcheller. 2,241,500; May 13.
Pants and pad, Baby. M. A. Potwin. 2,241,959; May 13.
Paper feeding mechanism for cash registers, Double. H. W. Clark. 2,241,445; May 13.
Paper, Scenery. C. B. Maurer. 2,241,410; May 13.
Pellet machine. S. T. Evenstad, W. H. Clapp, and W. F. MacGlashan, Jr. 2,241,546; May 13.
Phonograph needle. E. V. Schneider. 2,241,482; May 13.
Photoelectrically controlled press. H. F. MacMillin and R. Thoreson. 2,241,556; May 13.
Photographic material. L. Pollak. 2,241,519; May 13.
Photography, Color. E. B. Hesser. 2,241,402; May 13.
Photometric apparatus. J. T. Nichols. 2,241,557; May 13.
Picture frame assemblage. H. M. Sanders. 2,242,148; May 13.
Pictures of three dimensional animated objects, Production of motion. A. C. Kendig, Jr. 2,241,929; May 13.
Pinking machine. C. Weldauer. 2,242,097; May 13.
Pipe: *See*—
Smoking pipe.
Pipe bending device. H. A. Mertz. 2,242,135; May 13.
Pipe connection. B. C. Moise. 2,241,517; May 13.
Pipe joint tester. M. Rosenkranz. 2,241,526; May 13.
Piston, Oil cooled. W. E. Brill. 2,241,629; May 13.
Pivotal joint. A. Eppler, Jr. 2,241,506; May 13.
Plant container and seedbed formed therefrom. S. W. Shelley. 2,242,149; May 13.
Plant holder, Ground supported. E. D. Keller. 2,241,463; May 13.
Plant support. Y. D. Bergman. 2,242,168; May 13.
Planter. A. Croce and J. F. Heffner. 2,241,633; May 13.
Plastic composition. W. I. Buckeridge. 2,241,538; May 13.
Plastic, Inorganic. O. C. Rohde and J. P. Kelly. 2,241,676; May 13.
Plating attachment for full-fashioned knitting machines. W. Hartmann. 2,241,779; May 13.
Plow. W. E. Wentworth. 2,241,752; May 13.
Plow, Rotary. R. J. Rinehart. 2,241,675; May 13.
Plug: *See*—
Bridging plug. Cleanout plug.
Pocket protector. Y. Veynar. 2,241,530; May 13.
Polysulphones, Preparation of modified olefin-sulphur dioxide. M. M. Brubaker and J. Harmon. 2,241,900; May 13.
Pot assembly, Cinder. W. Johnston, Jr. 2,242,075; May 13.
Pot, Cinder. W. Johnston, Jr. 2,241,818; May 13.
Potatoes, Treating peeled. J. L. Williams. 2,241,436; May 13.
Pouch, Key. D. J. Nash. 2,242,141; May 13.
Power belt measuring device. R. Y. Case. 2,241,979; May 13.
Power system and shunt for reducing harmonics therein. H. W. Wahlquist. 2,241,831; May 13.
Power transmission. H. S. W. Bollinger and W. M. A. Gottschalck. 2,241,764; May 13.
Power transmission. T. B. Doe. 2,241,701; May 13.
Power transmission. K. R. Herman. 2,241,665; May 13.
Power transmission and brake control for hoists. F. P. Lawler. 2,242,193; May 13.
Power unit for motor vehicles. C. R. Smalley. 2,242,046; May 13.
Prefabricated unit comprising siding and sheathing. W. J. McCauley. 2,241,642; May 13.
Press: *See*—
Hand printing press. Windrow pickup press.
Molding press.
Photoelectrically controlled press.
Press and the like. V. W. Peterson and O. J. Maha. 2,241,645; May 13.
Presser foot and mutiple gauge for sewing machines. N. Glancola. 2,241,778; May 13.
Pressure bar for fountain pens. W. J. Gillett and V. C. Sharp. 2,241,850; May 13.
Printing machine, Combination surface and intaglio. H. A. Scott and L. B. Case. 2,242,045; May 13.
Printing machine, Photographic. B. W. and G. B. Kadel. 2,241,462; May 13.
Printing process and image for use therein, Photographic. W. Michaelis. 2,241,413; May 13.
Printing table, Silk screen. R. E. Burton. 2,241,844; May 13.
Protector: *See*—
Pocket protector.
Pulley, Coated. A. E. Bollinger. 2,241,391; May 13.
Pulp mixture and producing the same, Papermaking. J. E. Plumstead. 2,242,087; May 13.

Pulsating movement, producing. M. Shoeld. 2,241,620; May 13.
Pulsator and the like. G. C. Crangle. 2,241,541; May 13.
Pump: *See*—
Compressor or vacuum pump.
Hydropneumatic pump.
Pump. C. E. Meyerhoefer. 2,241,824; May 13.
Puzzle. I. Steinhardt. 2,241,490; May 13.
Rack: *See*—
Article retaining rack.
Necktie rack.
Radio beacon, Variable frequency. A. Alford. 2,241,897; May 13.
Radio direction finding system. H. Rensch. 2,241,922; May 13.
Radio navigation aid. J. G. Robb, J. M. Furnival, and B. J. Witt. 2,241,924; May 13.
Radio tuning mechanism. S. S. Cramer. 2,242,055; May 13.
Railroad car. G. A. Steuber. 2,241,749; May 13.
Railway car. J. H. Clemens. 2,241,377; May 13.
Railway signal and/or point control equipment. J. B. Griffiths and A. Brown. 2,241,906; May 13.
Railway truck. K. F. Nystrom, E. S. Beckette, and V. L. Green. 2,241,418; May 13.
Rake teeth mounting. W. G. Firstenberger and J. T. Fiese. 2,241,878; May 13.
Razor. A. W. Scott. 2,241,745; May 13.
Razor, Safety. O. M. Driess, H. H. Seay, and E. J. Eckerle. 2,241,986; May 13.
Receptacle: *See*—
Ice receptacle.
Receptacle for fountain pens. W. J. Guenther. 2,241,852; May 13.
Receptacle for liquids. W. R. Cuthbert. 2,241,846; May 13.
Record cutting device. G. and V. Silber. 2,241,622; May 13.
Record strip control for autographic registers. C. J. Manuel and W. E. Gochnauer. 2,242,012; May 13.
Rectifier device. H. Herrmann. 2,241,908; May 13.
Reel block. W. M. McConnell. 2,241,669; May 13.
Refrigerating apparatus, Absorption. N. Erland af Kleen. 2,242,191; May 13.
Refrigeration. O. S. McGuffey. 2,241,411; May 13.
Refrigeration. D. G. Smellie. 2,241,624; May 13.
Regulating system. D. W. Exner. 2,241,811; May 13.
Regulator: *See*—
Compression regulator.
Relay. J. M. Wilson. 2,241,838; May 13.
Release mechanism for knitting machines, Electric. D. Wachsman. 2,241,682; May 13.
Remote indicating system, Electric. A. Brown and E. E. M. Woodward. 2,241,899; May 13.
Remote indicator. B. B. Holmes and W. A. Reichel. 2,242,126; May 13.
Resin and preparing same, Terpene- and rosin-modified phenol-ketone-formaldehyde. I. Rosenblum. 2,241,422; May 13.
Resin, Soluble aralkyl halide. W. J. Sparks and D. C. Field. 2,241,488; May 13.
Respirator, Jacket. J. H. W. Bower. 2,241,444; May 13.
Ribbon burner. J. R. Denise. 2,242,176; May 13.
Rim mounting. A. W. Woodward. 2,241,839; May 13.
Rod coupling. W. A. Kimball. 2,242,078; May 13.
Roller. R. R. Ware. 2,241,684; May 13.
Roller chain. C. H. Köhn. 2,241,820; May 13.
Roof, Railway car. J. M. Rudel. 2,241,738; May 13.
Roofing. V. Tatro. 2,242,094; May 13.
Roofing element. L. Kirschbraun. 2,241,603; May 13.
Roofing material, Composition. L. Kirschbraun and R. H. Cubberley. 2,241,819; May 13.
Root cutting machine, Tree. P. Barnett. 2,241,383; May 13.
Rope and cable, Metallic. A. L. Noyer and A. McEachern. 2,241,955; May 13.
Rope pulling and holding device. D. H. Taylor. 2,241,679; May 13.
Rotary bit. J. W. Hatcher, Sr. 2,241,549; May 13.
Rubber articles, Making. C. L. Beal. 2,241,385; May 13.
Rubber goods, Manufacture of. W. F. Gowdy. 2,241,812; May 13.
Rubber, Manufacture of sheet. M. E. Hansen. 2,241,814; May 13.
Safety master lock. O. C. Kemp. 2,242,133; May 13.
Sash balance. D. Tappan. 2,241,969; May 13.
Saw, Concave compass. B. Miller. 2,242,137; May 13.
Saw, Hack. D. E. Gommel. 2,241,703; May 13.
Scale, Counter. S. R. McKinney. 2,241,730; May 13.
Scanning method for storage tubes. U. Knick. 2,242,034; May 13.
Screen: *See*—
Vibratory screen.
Screen material and making, Fluorescent. B. S. Ellefson. 2,242,061; May 13.
Sealer, Carton. J. L. Ferguson. 2,242,177; May 13.
Seam for woven wire fabric. F. D. Martin. 2,241,668; May 13.
Seat: *See*—
Chair seat.
Toilet seat.
Seat support, Adjustable. L. C. Schulz. 2,241,559; May 13.
Seating and control arrangement, Vehicle. G. E. Muma. 2,242,138; May 13.
Seeder. W. Stauffacher. 2,242,093; May 13.
Separating device, Magnetic. R. H. Butters. 2,241,805; May 13.
Share for sowing machines. A. G. Ewerth. 2,242,025; May 13.
Sharpener, Knife. A. E. and M. L. Meade. 2,241,412; May 13.
Sheet feeding mechanism. A. Novick. 2,241,474; May 13.
Sheet metal forming machine. H. R. Kennedy. 2,242,204; May 13.
Shield. L. J. Heisterberg. 2,241,855; May 13.
Shock absorber. R. C. Mason. 2,241,409; May 13.
Shoe. F. Maccarone. 2,241,467; May 13.
Shoe. S. A. Weyenberg. 2,241,653; May 13.
Shoe machine. F. Ricks and F. C. Choice. 2,241,523; May 13.
Shoes, Making. J. Hoza. 2,241,599; May 13.
Showcase sham. G. P. Bender. 2,241,696; May 13.
Shower bath cabinet. P. W. Kerr. 2,241,860; May 13.
Shutter mechanism, Self-capping. E. S. Hineline. 2,242,124; May 13.
Sign. J. L. Tway. 2,241,625; May 13.
Signal recorder, Visual. J. F. Dreyer, Jr. 2,241,544; May 13.
Signaling, Railway. G. R. Pfansterer. 2,241,958; May 13.
Signaling system, Traffic. T. Iwasaki and F. Tsuji. 2,241,998; May 13.
Silencer construction. F. E. Deremer. 2,241,768; May 13.
Ski. J. M. Wallace. 2,242,156; May 13.
Skiving machine. H. E. Armstrong. 2,241,382; May 13.
Skiving machine. J. F. Remington. 2,241,478; May 13.
Sled. D. O. Perry. 2,241,733; May 13.
Slide fastener. G. M. Beckwith. 2,241,841; May 13.
Slitting machine. G. H. Egling. 2,241,395; May 13.
Slotting apparatus, Screw. H. C. Golz. 2,241,456; May 13.
Slug casting machine, Typographical. H. R. Freund. 2,242,178; May 13.
Smoke precipitation and heat salvager for furnace gases. D. E. Stair. 2,242,186; May 13.
Smoking pipe. W. Fuhrmann and T. F. Powers. 2,241,454; May 13.
Smoking pipe and the like, Air mixing. C. Goetz. 2,242,029; May 13.
Snap lock. E. Worthington. 2,241,437; May 13.
Soap, Making. B. H. Thurman. 2,242,187; May 13.
Soap stock, Separating. B. Clayton and B. H. Thurman. 2,242,175; May 13.
Sole and shoe positioning device. J. T. Lancaster. 2,241,515; May 13.
Solenoid valve. B. E. Shaw. 2,241,747; May 13.
Sound reproducing system. B. G. and L. A. West, and R. T. Pounds. 2,242,197; May 13.
Sound synchronizing equipment. F. C. Wallace. 2,241,496; May 13.
Spout, Dripless. C. Achtziger. 2,241,840; May 13.
Spring and method of making the same. A. J. Berg and J. O. Huse. 2,241,387–8; May 13.
Spring attachment for industrial trucks. S. Weiss. 2,241,798; May 13.
Spring means for vehicles, Auxiliary. K. Rabe. 2,241,826; May 13.
Sprocket-removing fixture. S. B. Kurzina, Jr. 2,242,080; May 13.
Stack switch. B. E. Shaw. 2,241,748; May 13.
Stapling machine. S. F. Bauwens. 2,242,050; May 13.
Starter for outboard motors. L. J. Franci. 2,241,379; May 13.
Steam generator. G. A. Rehm. 2,241,932; May 13.
Steam press head. W. G. Ivey, Sr. 2,241,997; May 13.
Stencil printing. J. H. Gfeller. 2,241,380; May 13.
Step attachment for planer and shaper or like gauges. C. S. Donaway. 2,242,116; May 13.
Stone, Manufacture of artificial. N. V. S. Knibbs and A. P. Pehrson. 2,241,604; May 13.
Strain gauge. S. J. Malmberg. 2,242,011; May 13.
Strap for eyeglass frame mountings, Auxiliary. L. Vitolo. 2,241,894; May 13.
Structural member. L. S. Lachman. 2,241,952; May 13.
Stud construction, Steel. W. G. Hurlbert, Jr. 2,241,722; May 13.
Styrene and related compounds, Stabilization of. R. R. Dreisbach, S. M. Stoesser, and A. W. Hanson. 2,241,770; May 13.
Suction control for vehicle bodies. J. V. Zaccone. 2,241,755; May 13.
Sulphonate, Making a metal lignin. H. B. Birt, W. C. Pritchard, and R. A. Daily. 2,241,627; May 13.
Sunshade and filter holder for camera lenses. V. Guhl. 2,241,596; May 13.
Support: *See*—
Ground lead support.
Plant support.
Locomotive frame support.
Seat support.
Supporting bracket. H. C. Dehring. 2,241,657; May 13.
Supporting bracket. E. North. 2,242,041; May 13.
Surface-active products and preparing them. K. Platz, F. Bücking, K. Smeykal, and F. Asinger. 2,242,086; May 13.
Surveying instrument, High angle well. R. E. Hendrickson. 2,241,550; May 13.
Switch: *See*—
Electric snap switch.
Stack switch.
Electrical switch.
Time controlled switch.
Multiposition electric switch.
Switch. W. H. Frank and L. E. Fisher. 2,241,905; May 13.

Switch. L. A. Hagler and S. E. Smith. 2,241,457; May 13.
Switch construction. W. O. Schultz. 2,242,092; May 13.
Synchronization impulses, Segregating. P. Neidhardt. 2,241,919; May 13.
Synchronizing device, Clock. E. A. Demonet. 2,241,447; May 13.
Synchronizing mechanism for transmissions. R. Lang. 2,241,861; May 13.
Table: *See*—
Printing table.
Tank and filter bed cleaning means therefor, Filtration. C. Lose, Jr. 2,242,082; May 13.
Tape, Sterilizable adhesive. A. W. Bateman and R. E. Thomas. 2,241,384; May 13.
Target range, Electric. A. J. McMaster. 2,241,670; May 13.
Telegraph system. A. E. Thompson and R. D. Salmon. 2,242,196; May 13.
Telegraph transmitter. F. Hennig. 2,241,780; May 13.
Telegraphic receiver. E. Ottenberger and H. Pühmeyer. 2,241,885; May 13.
Telephone set, Substation. A. K. Ghosh. 2,242,121; May 13.
Telephone system. E. Wochinger. 2,241,896; May 13.
Television radial scanning system employing cathode beam. L. de Forest. 2,241,809; May 13.
Television receiving system, Central. C. Dorsman. 2,241,586; May 13.
Television system. H. E. Kallmann and R. E. Spencer. 2,241,553; May 13.
Textile materials and products therefrom, Producing water-repellent. H. Beck. 2,242,051; May 13.
Textiles and other materials, Coloration of. G. H. Ellis and H. C. Olpin. 2,241,449; May 13.
Therapeutic agent and food from watermelons. M. Evertz. 2,242,062; May 13.
Therapeutic appliance. C. E. Sanders. 2,241,480; May 13.
Thermal protection for shielded ignition systems. M. F. Peters. 2,241,419; May 13.
Thermionic valve circuit. A. D. Blumlein and E. L. C. White. 2,241,534; May 13.
Thermosensitive expansion valve. T. I. Potter. 2,241,931; May 13.
Thermostat. H. B. Drapeau. 2,241,902; May 13.
Thermostatic control mechanism. J. A. Cerny. 2,241,980–1; May 13.
Thionates from solution, Removal of. N. Levy. 2,241,709; May 13.
Thread or the like, Manufacture of rubber. C. E. Herrstrom and F. J. Samerdyke. 2,241,856; May 13.
Time controlled switch. J. D. Crenshaw. 2,242,056; May 13.
Tire, One-piece. C. U. Gramelspacher. 2,241,593; May 13.
Tire, Segmental safety vehicle. J. J. Hruska. 2,241,858; May 13.
Tire tool. G. T. Pearce and H. J. Leidel. 2,241,886; May 13.
Toilet seat. P. J. Sperzel and J. Corser. 2,241,967; May 13.
Tool: *See*—
Carpenter's tool.
Metal cutting tool.
Deflecting tool.
Tire tool.
Machine tool.
Tool. H. W. Larson. 2,241,784; May 13.
Tool for opening cardboard cartons and other containers. C. H. Holmes. 2,241,995; May 13.
Toothbrush and dental mirror. M. Cohen. 2,241,584; May 13.
Toothbrush, Electric motor driven. S. D. Koch. 2,241,464; May 13.
Toy. F. Krempler. 2,241,465; May 13.
Toy, Figure. C. L. Barton. 2,241,576; May 13.
Toy vehicle simulating an amphibian airplane. F. A. Berg. 2,241,578; May 13.
Traction device for automobiles, Automatic emergency. H. N. Ridgway. 2,241,923; May 13.
Tractor. L. S. Sheldrick. 2,241,677; May 13.
Traffic controlling apparatus, Railway. J. M. Pelikan. 2,241,614; May 13.
Traffic line apparatus. J. E. Lett. 2,241,863; May 13.
Transformer testing means, High potential. H. W. Mitchell. 2,241,731; May 13.
Transmission. W. C. Braden. 2,241,536; May 13.
Transmission for axles, Two speed. K. D. Kysor. 2,241,606; May 13.
Transmission line. H. O. Roosenstein. 2,241,616; May 13.
Transmission synchronizing mechanism. O. E. Fishburn. 2,242,026; May 13.
Transmission system, Fuel. C. R. Reuter. 2,242,184; May 13.
Transmitter, Directional radio. E. Miller. 2,241,918; May 13.
Trap: *See*—
Animal trap.
Insect trap.
Ant trap.
Waste trap.
Triangular joist. A. I. Rubin. 2,241,617; May 13.
Trimmer, Hedge. M. Kaminsky. 2,241,999; May 13.
Truck jack, Movable. G. C. Noros. 2,241,713–4; May 13.
Tubing. J. W. Offutt. 2,241,518; May 13.
Tubing, Multiply. C. A. Nichols and R. H. Bish. 2,241,644; May 13.
Turbine, Gas. G. Jendrassik. 2,241,782; May 13.
Turntable drive, Compensating. E. V. Schneider. 2,241,483; May 13.
Twine holding and dispensing device. B. Sollie. 2,241,891; May 13.
2-aminopyrimidine, Preparing. E. Kuh and M. E. Hultquist. 2,242,079; May 13.
Typewriting machine. I. G. Hammer. 2,241,993; May 13.
Typewriting machine. P. S. Rand. 2,241,867; May 13.
Umbrella. G. S. Berman. 2,241,389; May 13.
Undercarriage mechanism for vehicles. G. L. Hineman. 2,242,125; May 13.
Upholstery. E. K. Hunt. 2,242,073; May 13.
Urn, Commercial coffee. R. S. Gehlert, Sr., and R. S. Gehlert, Jr. 2,241,990; May 13.
Vacuum cleaner. C. O. Ernolf. 2,241,773; May 13.
Vacuum cleaner. G. E. Lofgren. 2,241,785; May 13.
Vacuum cleaner and the like apparatus. A. Bargeboer. 2,242,163; May 13.
Vacuum cleaner bag. H. Kessler. 2,241,601; May 13.
Valve: *See*
Carburetor valve.
Thermosensitive expansion valve.
Gauge valve.
Solenoid valve.
Valve. W. Ernst. 2,241,545; May 13.
Valve circuit, particularly for use in television, Thermionic. A. D. Blumlein. 2,241,762; May 13.
Valve for containers. W. L. Rutkowski. 2,242,146; May 13.
Valve for hose nozzles, Automatic. J. J. Baldine. 2,241,758; May 13.
Valve for multichambered tubes. B. C. Eberhard and S. T. Williams. 2,241,847; May 13.
Valve seats and the like, Process and apparatus for finishing. W. W. Redsecker. 2,241,735; May 13.
Valve tappet, Automatically adjustable. A. E. Ludwig. 2,241,821; May 13.
Vapor from gases, Removal of. C. L. Hunsicker. 2,241,600; May 13.
Vaporizer, Oxygen. J. G. M. Bullowa and H. D. Ratish. 2,242,108; May 13.
Vehicle. B. C. Baade. 2,241,757; May 13.
Vehicle elevating device. G. Contrino and G. Callari. 2,241,877; May 13.
Vehicle light. W. L. Roessner. 2,241,888; May 13.
Vehicle spring suspension. K. Rabe. 2,241,827; May 13.
Vehicle suspension. H. A. Hicks. 2,242,030; May 13.
Vending machine. L. O. Garner and F. Montesi. 2,241,662; May 13.
Vending machine. L. Steiner. 2,241,489; May 13.
Veneer jointing and gluing machine. G. M. Gustin. 2,242,179; May 13.
Vessel, Vacuum. A. Gaebel. 2,241,904; May 13.
Vibratory screen. G. A., C., and G. Overstrom. 2,241,476; May 13.
Volatile fluids, Storing. E. Buddrus and G. W. McCullough. 2,241,843; May 13.
Voting machine. R. F. Shoup. 2,241,485; May 13.
Vulcanization, Retarder of. R. V. Yobe and A. W. Browne. 2,241,801; May 13.
Washing and irrigating device. W. M. and A. F. McFarland. 2,241,823; May 13.
Washing machine. J. R. and W. J. Atkins. 2,241,940; May 13.
Waste trap. A. Gordon. 2,242,192; May 13.
Water deaerating and purifying. J. D. Yoder. 2,241,873; May 13.
Water level controller. E. Eliason. 2,241,636; May 13.
Water, Process of and composition for clarifying. R. R. Magill, J. F. and G. K. Gunther. 2,241,641; May 13.
Water purification, Method and apparatus for. W. C. Munroe. 2,242,139; May 13.
Water softener for automatic washing machines, Regenerative. E. Pick. 2,241,887; May 13.
Wax composition. J. I. Wasson and J. Prophet, Jr. 2,241,497; May 13.
Web applying and/or fixing machine. M. A. Volante and J. G. Vergobbi. 2,241,494; May 13.
Web feeding apparatus. J. E. Burbank. 2,241,804; May 13.
Welding, Electric. F. Tench. 2,241,871; May 13.
Well supporting structure. K. Marsh. 2,241,822; May 13.
Wells, Means for flowing. C. S. Crickmer. 2,241,656; May 13.
Welt construction, Hosiery. R. E. Claussner. 2,242,054; May 13.
Welting, Making. W. C. Vizard. 2,241,652; May 13.
Wetting agents in amalgamation. K. Krebs and L. E. Tucker. 2,241,605; May 13.
Wheel. R. R. Ware. 2,241,685; May 13.
Wheel assembly, Dual. C. S. Ash. 2,242,049; May 13.
Wheelbarrow. L. M. Boyle. 2,242,171; May 13.
Wheelbarrow. J. W. Harris. 2,242,068; May 13.
Wheeled vehicle, Dual. C. S. Ash. 2,242,048; May 13.
Winder, Heater. B. M. Kinyon. 2,241,602; May 13.
Window operator, Casement. G. Hagstrom. 2,241,513; May 13.
Windrow pickup press. F. D. Jones. 2,242,077; May 13.
Wiper mechanism, Windshield. I. E. Coffey. 2,241,766; May 13.

Wire despooling device. P. E. Chapman, Sr. 2,242,053; May 13.
Wire drawing mechanism. N. H. Nye. 2,241,956; May 13.
Wood preservative, Producing. J. E. Harvey, Jr. 2,241,400; May 13.
Wrapping machine. E. A. Van Wart. 2,241,751; May 13.
Yarn, Cleaning. H. P. and A. W. Serio. 2,241,936; May 13.
Yarn detector, Broken. J. L. Herman and E. Reidenbach. 2,241,720; May 13.
Yarn testing device. H. Naumann. 2,242,083; May 13.
Yarns, Producing composite. A. S. Bell and J. R. Wylde. 2,241,442; May 13.

CLASSIFICATION OF PATENTS

ISSUED MAY 13, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 3: 2,242,050
2— 69: 2,242,130
73: 2,241,889
84: 2,241,994
96: 2,241,841
169: 2,241,681
174: 2,241,855
209: 2,241,736
224: Re.21,803
247: 2,241,530
4— 113: 2,242,088
187: Re.21,799
237: 2,241,967
5— 18: 2,241,552
322: 2,241,466
8— 113: 2,242,051
137: 2,241,580
12— 25: 2,241,507
27: 2,241,523
103: 2,241,515
146: 2,241,440
2,241,652
14— 73: 2,241,512
15— 5: 2,242,152
104.30: 2,241,560
106: 2,242,004
119: 2,241,763
130: 2,241,443
155: 2,241,946
158: 2,241,775
2,241,776
199: 2,241,876
210: 2,241,947
2,242,154
246: 2,241,862
260: 2,242,140
16— 191: 2,241,992
198: 2,241,969
17— 26: 2,241,649
18— 8: 2,241,725
9: 2,241,813
15: 2,241,814
16: 2,242,189
54: 2,241,856
58: 2,241,385
59: 2,241,599
2,241,812
2,242,117
20— 1: 2,241,830
5: 2,241,642
2,241,898
21— 127: 2,242,163
22— 80: 2,242,018
189: 2,241,594
190: 2,241,906
23— 97: 2,241,800
102: 2,241,613
110: 2,241,791
178: 2,241,709
203: 2,242,115
240: 2,241,638
250: 2,241,497
24— 74: 2,242,102
81: 2,241,756
25— 155: 2,241,604
156: 2,241,705
26— 7: 2,242,091
28— 64: 2,241,936
29— 34: 2,241,893
81: 2,242,024
87.1: 2,241,794
95: 2,241,703
95.1: 2,242,036
96: 2,242,033
149.5: 2,241,789
155.5: 2,241,441
30— 2: 2,241,995
41: 2,241,986
43: 2,241,745
30— 211: 2,241,719
213: 2,241,999
333: 2,241,608
31— 4: 2,241,916
34: 2,241,930
33— 6: 2,241,502
10: 2,242,071
107: 2,241,692
125: 2,241,979
162: 2,242,116
168: 2,242,131
172: 2,242,151
174: 2,241,401
2,242,011
179: 2,241,451
204: 2,241,499
205.5: 2,241,550
223: 2,242,126
34— 34: 2,241,375
95: 2,241,448
106: 2,241,702
160: 2,242,144
35— 14: 2,241,869
36— 42: 2,241,467
54: 2,241,653
37— 94: 2,241,383
178: 2,241,656
38— 15: 2,241,997
38: 2,241,539
77: 2,241,945
40— 7: 2,242,172
17: 2,241,882
130: 2,241,647
2,242,040
135: 2,241,625
156: 2,242,148
41— 1: 2,242,182
3.5: 2,241,380
34: 2,241,410
42— 75: 2,241,825
43— 46: 2,241,767
2,241,941
49: 2,241,851
83.5: 2,241,948
88: 2,241,529
131: 2,242,098
2,242,099
147: 2,242,146
44— 9: 2,241,492
45— 24: 2,241,895
46— 152: 2,241,576
47— 1.2: 2,241,699
3: 2,241,494
19: 2,242,149
39: 2,241,463
47: 2,242,168
49— 53: 2,242,089
54: 2,241,611
2,242,129
65: 2,241,386
77: 2,241,511
81: 2,241,505
92: 2,242,019
51— 23: 2,241,524
95: 2,241,634
97: 2,242,031
142: 2,241,568
184.3: 2,242,028
209: 2,241,433
214: 2,241,412
52— 2: 2,241,406
53— 3: 2,241,990
4: 2,241,754
2,241,938
5: 2,241,740
6: 2,241,707
2,241,781
56— 12: 2,241,423
27: 2,242,077
56— 107: 2,241,928
400: 2,241,878
57— 5: 2,241,405
147: 2,241,955
157: 2,241,442
58— 34: 2,241,447
59— 31: 2,242,164
60— 25: 2,241,620
51: 2,241,665
52: 2,241,807
2,242,057
54.5: 2,241,645
54.6: 2,241,374
2,242,096
62— 5: 2,241,624
6: 2,241,579
7: 2,241,426
8: 2,241,931
89.5: 2,241,853
90: 2,241,843
102: 2,241,558
108: 2,242,155
118: 2,242,191
119: 2,241,621
124: 2,241,726
175.5: 2,242,173
66— 43: 2,241,404
82: 2,242,047
89: 2,242,070
96: 2,241,988
2,242,143
129: 2,241,779
163: 2,241,682
2,241,683
2,241,720
172: 2,241,901
173: 2,242,054
201: 2,241,727
68— 10: 2,241,646
12: 2,241,887
69— 1: 2,241,478
16: 2,241,382
71— 9: 2,241,734
72— 115: 2,241,722
118: 2,241,991
73— 51: 2,241,526
2,241,555
2,242,161
53: 2,241,637
74— 7: 2,241,639
10: 2,241,635
2,242,055
11: 2,241,495
53: 2,241,772
61: 2,241,527
189.5: 2,241,764
206: 2,241,433
230.17: 2,241,427
230.7: 2,241,391
257: 2,241,820
290: 2,241,680
314: 2,241,453
326: 2,241,606
336: 2,241,536
339: 2,241,861
2,242,026
475: 2,242,027
484: 2,242,038
502: 2,241,679
512: 2,242,145
528: 2,242,157
588: 2,242,021
600: 2,241,378
75— 47: 2,241,434
78: 2,241,806
84: 2,241,438
2,241,514
89: 2,241,429
130: 2,241,575
75— 133: 2,241,742
76— 104: 2,242,180
77— 21: 2,242,169
2,242,170
32: 2,242,076
78— 1: 2,241,735
25: 2,241,787
2,241,788
80— 60: 2,241,547
81— 38: 2,242,080
121: 2,241,784
83— 9: 2,241,848
2,242,109
11: 2,241,667
14: 2,241,491
84— 313: 2,241,911
395: 2,241,750
85— 5: 2,241,609
88— 1: 2,241,596
2.3: 2,241,690
2,241,691
2,241,693
16: 2,241,929
16.4: 2,241,403
23: 2,241,557
41: 2,242,044
47: 2,241,894
54.5: 2,241,415
86: 2,241,866
89— 37.5: 2,242,198
90— 11: 2,241,456
2,242,123
24: 2,241,628
91— 48: 2,241,554
49: 2,241,664
68: 2,241,384
2,241,493
2,242,032
73: 2,241,803
92— 21: 2,242,087
44: 2,241,688
93— 2: 2,241,751
3: 2,241,942
6: 2,242,177
39: 2,241,711
49: 2,241,678
53: 2,241,817
54.2: 2,241,962
94— 44: 2,241,863
95— 2: 2,241,402
2,241,413
2,241,519
10: 2,242,013
2,242,043
57: 2,242,124
75: 2,241,462
97— 40: 2,241,675
45: 2,241,752
225: 2,242,025
227: 2,241,744
98— 2: 2,241,755
36: 2,241,854
99— 2: 2,241,654
25: 2,241,971
156: 2,241,436
101— 88: 2,241,450
126: 2,241,844
180: 2,242,045
297: 2,242,104
320: 2,241,398
364: 2,241,597
407: 2,241,671
103— 6: 2,242,166
127: 2,242,058
135: 2,241,607
149: 2,241,975
162: 2,241,651
2,241,701
233: 2,241,643
103— 233: 2,241,656
248: 2,241,765
104— 149: 2,241,471
105— 82: 2,241,396
190: 2,241,418
2,242,190
192: 2,241,757
315: 2,241,377
354: 2,241,504
409: 2,241,749
106— 6: 2,241,875
9: 2,241,676
36.2: 2,241,520
39: 2,241,376
40: 2,241,706
107— 8: 2,241,546
24: 2,241,890
108— 5.4: 2,241,738
7: 2,241,819
2,242,094
8: 2,241,603
110— 32: 2,241,390
2,241,424
181: 2,241,574
111— 78: 2,242,093
112— 79: 2,242,103
235: 2,241,778
113— 112: 2,241,563
115— 18: 2,241,379
116— 21: 2,241,475
119— 33: 2,242,160
120— 46: 2,241,850
50: 2,241,865
108: 2,241,852
121— 46.5: 2,241,545
123: 2,241,766
158: Re.21,798
164: 2,241,541
122— 235: 2,241,966
240: 2,241,949
336: 2,241,932
123— 50: 2,241,910
52: 2,241,461
55: 2,241,630
90: Re.21,802
2,241,498
2,241,821
119: 2,241,420
139: 2,241,508
171: 2,241,954
176: 2,241,629
179: 2,241,677
196: 2,241,566
128— 30: 2,241,444
33: 2,241,480
92: 2,242,003
148: 2,241,472
191: 2,242,108
192: 2,242,085
206: 2,241,535
209: 2,241,522
223: 2,241,468
229: 2,241,823
288: 2,241,959
129— 20: 2,242,119
24: 2,242,035
131— 176: 2,241,454
211: 2,242,029
132— 15: 2,241,879
27: 2,242,134
32: 2,242,063
48: 2,242,074
78.5: 2,242,016
84: 2,241,584
134— 17.5: 2,241,963
23.4: 2,241,700
135— 20: 2,241,389
50: 2,241,481
137— 69: 2,242,184
137— 104: 2,241,636
139: 2,241,571
2,241,747
165: 2,241,732
166: 2,242,002
138— 62: 2,241,644
140— 71: 2,241,602
2,241,880
141— 1: 2,242,106
143— 134: 2,242,137
144— 1: 2,242,179
145— 65: 2,241,965
146— 84: 2,242,113
98: 2,241,648
2,241,650
155: 2,242,181
148— 3: 2,241,815
150— 4: 2,241,612
40: 2,242,141
152— 158: 2,241,858
233: 2,241,592
342: 2,241,593
153— 39: 2,242,204
40: 2,241,414
54: 2,242,135
154— 2: Re.21,796
2,241,500
45.9: 2,242,073
155— 14: 2,241,559
22: 2,241,626
56: 2,242,061
141: 2,241,881
179: 2,241,551
2,241,909
180: 2,241,473
156— 17: Re.21,800
157— 6: 2,241,886
158— 27.4: 2,241,618
28: 2,242,183
73: 2,241,920
91: 2,241,470
115: 2,241,583
116: 2,242,176
161— 17: 2,241,610
164— 43: 2,241,658
48: 2,242,097
61: 2,241,395
166— 13: 2,241,532
2,251,551
19: 2,241,439
169— 24: 2,241,857
171— 95: 2,242,107
97: 2,241,831
2,241,832
222: 2,241,528
223: 2,241,811
242: 2,241,912
326: 2,242,014
327: 2,242,120
172— 36: 2,241,464
120: 2,242,005
2,242,006
2,242,007
2,242,008
2,242,009
2,242,010
179: 2,241,961
284: 2,241,983
289: 2,241,808
173— 244: 2,242,022
174— 15: 2,241,687
84: 2,241,419
175— 21: 2,241,761
182: Re.21,797
2,241,623
183: 2,241,731
294: 2,241,973
312: 2,242,105
359: 2,241,914

175—	366:	2,241,908	192—	.01:	2,241,407	211—	96:	2,242,090	244—	53:	2,242,202	254—	86:	2,241,877	268—	119:	2,241,513
176—	27:	2,241,598		3:	2,241,631	213—	166:	2,242,136		83:	2,242,159	255—	1.6:	2,241,486	271—	1:	2,241,474
		2,241,935			2,241,632	214—	90:	2,241,446		102:	2,242,125			2,241,746		2.4:	2,241,804
	122:	2,241,968		4:	2,242,193	215—	19:	2,241,304		117:	2,242,199		4:	2,241,712	272—	52:	2,241,465
177—	311:	2,241,589		6:	2,241,525		38:	2,241,501		119:	Re.21,801		16:	2,241,409		57:	2,241,833
	337:	2,241,548		61:	2,242,112			2,241,588		123:	2,241,972		27:	2,241,477	273—	49:	2,242,069
		2,241,998		130:	2,241,556		40:	2,241,846			2,242,147		71:	2,241,549		96:	2,242,122
	353:	2,241,899		142:	2,241,715	217—	60:	2,242,041		129:	2,242,200	257—	28:	2,241,970		101.1:	2,241,670
178—	5.8:	2,241,586	194—	10:	2,241,540	219—	10:	2,241,572			2,242,201		136:	2,241,864		145:	2,241,567
	6.6:	2,241,544	196—	10:	2,241,716			2,241,871	245—	10:	2,241,668		137:	2,241,753		160:	2,241,490
	7.1:	2,241,964			2,241,717		13:	2,241,431	246—	33:	2,241,614	259—	95:	2,241,940	274—	13:	2,241,622
	7.2:	2,242,034		13:	2,241,430		44:	2,242,162		53:	2,241,958	260—	2:	2,241,488		15:	2,241,496
	7.3:	2,241,553		62:	2,241,400	220—	19:	2,242,111		134:	2,241,906		25:	2,241,422		38:	2,241,482
	7.5:	2,241,919	197—	3:	2,241,993		22:	2,242,059	248—	5:	2,241,408		28:	2,241,538	277—	29:	2,241,847
	30:	2,241,780		25:	2,241,867		29:	2,241,562		71:	2,241,657		41:	2,241,801	279—	112:	2,241,564
	44:	2,241,615		133:	2,241,445		39:	2,241,381			2,241,739		80:	2,241,900	280—	1.21:	2,241,578
		2,241,616	198—	20:	2,241,721			2,241,793		231:	2,241,695		112:	2,241,868		11.13:	2,242,156
	69:	2,242,196		30:	2,241,659		55:	2,241,785		273:	2,241,960		124:	2,241,627		21:	2,241,733
	80:	2,241,797			2,241,978	221—	23:	2,241,840	250—	11:	2,241,883		161:	2,241,795		41:	2,241,799
179—	6:	2,241,663		127:	2,241,399		62:	2,241,435			2,241,897			2,241,796		46:	2,241,713
		2,242,197		177:	2,242,065		125:	2,241,633			2,241,903		199:	2,241,774			2,241,714
	6.3:	2,241,452		193:	2,241,640	223—	98:	2,241,697			2,241,907		205:	2,241,449		52:	2,242,068
	7:	2,242,121			2,242,128	226—	56:	2,241,943			2,241,915		215:	2,241,542			2,242,171
	7.1:	2,241,896		206:	2,241,934		58:	2,241,509			2,241,918		231:	2,241,397		54:	2,242,067
	122:	2,241,921	199—	48:	2,242,178		68:	2,241,411			2,241,922		236.5:	2,242,062		124:	2,242,030
		2,242,118	200—	16:	2,241,469		88.1:	2,241,455			2,241,924		251:	2,242,079	281—	21:	2,242,185
	171:	2,241,534		35:	2,242,056		97:	2,241,672			2,242,023		345:	2,241,760		33:	2,242,064
		2,241,581		48:	2,242,092	229—	14:	2,241,710		20:	2,241,569		418:	2,242,187	282—	21:	2,242,012
		2,241,892		50:	2,241,528		17:	2,241,834			2,241,885		425:	2,242,175	283—	52:	2,242,114
		2,211,925		51:	2,241,905			2,241,836		27:	2,241,809			2,242,188	285—	3:	2,241,484
	171.5:	2,241,533		59:	2,241,457		37:	2,241,802		27.5:	2,241,565		433:	2,241,829		71:	2,241,926
		2,241,595		78:	2,242,167		65:	2,241,835			2,241,904		456:	2,241,769		93:	2,241,771
		2,241,976		88:	2,242,066		87:	2,241,459			2,242,042		508:	2,242,086		175:	2,241,773
180—	70:	2,242,046		104:	2,241,838	230—	56:	2,241,957			2,242,100		513:	2,241,421		193:	2,241,517
	77:	2,242,138		138:	2,241,748		108:	2,241,460			2,242,101		529:	2,241,927	287—	1:	2,242,000
	82:	2,242,142		146:	2,241,810		140:	2,241,824		33:	2,241,582		541:	2,241,487		14:	2,241,506
181—	0.5:	2,241,428		166:	2,241,816		207:	2,241,718			2,241,913		632:	2,242,017		53:	2,241,724
		2,241,874		172:	2,242,165	235—	8:	2,241,987		36:	2,241,619		638:	2,241,416		104:	2,242,078
	48:	2,241,729	201—	64:	2,242,203		55:	2,241,485			2,241,762			2,241,417	290—	40:	2,242,072
	61:	2,241,768	204—	146:	2,241,585		61.6:	2,242,095			2,241,933		654:	2,242,084	292—	4:	2,241,965
182—	1:	2,242,192	205—	8:	2,241,518		61.7:	2,241,591		40:	2,241,937		668:	2,241,393		33:	2,242,133
183—	51:	2,241,601		30:	2,241,956	236—	1:	2,241,590		41.5:	2,241,743			2,241,708		167:	2,241,872
	114.5:	2,242,110	206—	29:	2,241,660		48:	2,241,980		49.5:	2,241,432		669:	2,241,770		209:	2,241,437
184—	11:	2,242,195		44:	2,241,989			2,241,981		62:	2,241,516		681:	2,241,777	296—	44:	2,242,052
187—	1:	2,241,859		46:	2,241,673		93:	2,242,039		81:	2,241,939			2,241,792	297—	15:	2,241,902
188—	1:	2,241,837		59:	2,241,458	237—	2:	2,241,661			2,241,950		741:	2,242,037	298—	14:	2,241,953
	4:	2,241,923	207—	4:	2,241,543	240—	7.1:	2,241,888			2,241,951	261—	9:	2,242,186	299—	63:	2,241,425
	18:	2,242,048	209—	3:	2,241,737		8.3:	2,241,741			2,242,061		10:	2,241,674		88.5:	2,241,759
		2,242,049		98:	2,241,977		13:	2,241,698		164:	2,241,974		41:	2,241,655	300—	21:	2,241,845
	46:	2,242,015		176:	2,241,605	242—	53:	2,241,723	251—	84:	2,241,537	264—	17:	2,242,194	301—	5.3:	2,241,684
	78:	2,241,728		181:	2,241,392		55:	2,241,689		127:	2,241,573	265—	19:	2,242,083			2,241,685
	79.5:	2,241,479		223:	2,241,805		72:	2,241,669		144:	2,241,758		27:	2,241,730		12:	2,241,839
	112:	2,242,153		366.5:	2,241,476		128:	2,241,053	252—	37:	2,242,174	266—	4:	2,242,158		47:	2,241,849
	153:	2,242,060		455:	2,242,020		141:	2,241,891		53:	2,241,531		39:	2,241,818		108:	2,241,686
189—	2:	2,241,860		468:	2,241,842		160:	2,242,001		78:	2,241,982			2,242,075	308—	86:	2,241,870
	34:	2,241,822	210—	14:	2,241,373		161:	2,241,510		142:	2,241,790	267—	1:	2,241,387	312—	36:	2,241,662
	37:	2,241,617		16:	2,242,139	243—	16:	2,241,917		156:	2,241,984			2,241,388		67:	2,241,489
	78:	2,242,127		23:	2,241,641	244—	17:	2,241,786		194:	2,241,600		21:	2,241,827		118:	2,241,696
	82:	2,241,952		128:	2,242,062		18:	2,241,503	253	60:	2,241,782		57:	2,241,826		120:	2,241,944
	85:	2,241,704		151:	2,241,587		45:	2,241,521	254—	4:	2,241,798	268—	44:	2,242,132		189:	2,241,884
		2,241,783	211—	89:	2,242,150		49:	2,241,577		17:	2,241,579		75:	2,241,994			

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,241,374:	60—	54.6	2,241,474:	271—	1	2,241,632:	192—	3	2,241,777:	260—	681	2,241,994:	268—	75	2,242,134:	132—	27
2,241,378:	74—	600	2,241,486:	255—	1.6	2,241,645:	60—	54.5	2,241,780:	178—	30	2,241,997:	38—	15	2,242,147:	244—	123
2,241,390:	110—	32	2,241,491:	83—	14	2,241,656:	103—	233	2,241,792:	260—	681	2,242,000:	287—	1	2,242,166:	103—	6
2,241,398:	101—	320	2,241,524:	51—	23	2,241,657:	248—	71	2,241,794:	29—	87.1	2,242,004:	15—	106	2,242,174:	252—	37
2,241,400:	196—	62	2,241,526:	73—	51	2,241,661:	237—	2	2,241,802:	229—	37	2,242,011:	33—	174	2,242,178:	199—	48
2,241,411:	226—	68	2,241,541:	121—	164	2,241,665:	60—	51	2,241,815:	148—	3	2,242,016:	132—	78.5	2,242,200:	244—	129
2,241,423:	56—	12	2,241,542:	260—	215	2,241,666:	37—	178	2,241,840:	221—	23	2,242,029:	131—	211			
2,241,424:	110—	32	2,241,562:	220—	29	2,241,674:	261—	10	2,241,862:	15—	246	2,242,034:	178—	7.2			
2,241,426:	62—	7	2,241,612:	150—	4	2,241,721:	198—	20	2,241,872:	292—	167	2,242,037:	260—	741			
2,241,432:	250—	49.5	2,241,614:	246—	33	2,241,746:	255—	1.6	2,241,873:	210—	14	2,242,045:	101—	180			
2,241,438:	75—	84	2,241,624:	62—	5	2,241,769:	260—	456	2,241,876:	15—	199	2,242,101:	250—	27.5			
2,241,463:	47—	39	2,241,631:	192—	3	2,241,771:	285—	93	2,241,910:	123—	50	2,242,126:	33—	223			

U. S. GOVERNMENT PRINTING OFFICE: 1941

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Deodorizer and disinfectant. Serial No. 441,803; May 20. Class 6.

All American Comics, Inc., New York, N. Y. Magazine publication. Serial No. 441,341; May 20. Class 38.

American Phenolic Corporation, Chicago, Ill. Synthetic initially fluid or plastic material in the nature of synthetic resin. Serial No. 417,951; May 20. Class 1.

American Stores Co., Philadelphia, Pa. Bread. Serial No. 422,235; May 20. Class 46.

Andersen, Martin, Orlando, Fla. Newspaper and magazine column. Serial No. 441,462; May 20. Class 38.

Antolini, Alberto G., doing business as Hillandale Fabrics, New York, N. Y. Linens and chenille piece goods. Serial No. 440,530; May 20. Class 42.

Arden, Elizebeth Sales Corporation, New York, N. Y. Lipsticks and rouges. Serial No. 441,302; May 20. Class 6.

Armand Company, The, Des Moines, Iowa. Triethanolamine. Serial No. 442,247; May 20. Class 6.

Arnold, Schwinn & Co., Chicago, Ill. Bicycles. Serial No. 442,022; May 20. Class 19.

Arps Corporation, New Holstein, Wis. Highway tractor attachments. Serial No. 441,120; May 20. Class 23.

Atlas Powder Company, Wilmington, Del. Agricultural parasiticides. Serial No. 441,190; May 20. Class 6.

"Automatic" Sprinkler Company of America, Youngstown, Ohio. Fixed, temperature and rate-of-rise types of sprinkler system control thermostats. Serial No. 439,987; May 20. Class 26.

B-P T Company, Inc., The, Los Angeles, Calif. Treatment for relief of effects of alcohol and alcoholic toxins in the human body. Serial No. 441,849; May 20. Class 6.

B. V. D. Corporation, The, Baltimore, Md. Swim trunks. Serial No. 441,467; May 20. Class 39.

Babineau, Albert T., Los Angeles, Calif. Pivot boring tool holder for lathe use. Serial No. 438,298; May 20. Class 23.

Bay West Paper Company, Green Bay, Wis. Cabinets for paper toweling and mechanical solutions for automobile windshield cleaning. Serial No. 441,994; May 20. Class 2.

Beauty Appliance Corporation, Racine, Wis. Electric vibrators for therapeutic purposes. Serial No. 435,235; May 20. Class 44.

Bellin's Wonderstoen Co., Inc., New York, N. Y. Foot bubble bath preparation. Serial No. 442,184; May 20. Class 6.

Bessemer Coal Iron & Land Company, Birmingham, Ala. Coal. Serial No. 441,080; May 20. Class 1.

Bohemian Distributing Company, Los Angeles, Calif. Brandy. Serial No. 441,940; May 20. Class 49.

Borden Company, The, New York, N. Y. Water ice. Serial No. 434,311; May 20. Class 46.

Borden Company, The, New York, N. Y. Ice cream. Serial No. 441,668; May 20. Class 46.

Bradley, Milton, Company, Springfield, Mass. Toy embroidery sets. Serial No. 442,549; May 20. Class 22.

Brannon Distributing Company. (See Pacific Coast Grocery Co.)

Briddell, C. E., Company, Baltimore, Md. Treated fabrics. Serial No. 434,926; May 20. Class 50.

Briddell, C. E., Company, Baltimore, Md. Cloth in the piece and drapery fabrics. Serial No. 434,927; May 20. Class 42.

Broadway Tire Company, New York, N. Y. Tire casings and inner tubes therefor. Serial No. 442,482; May 20. Class 35.

Brown Rubber Company, Inc., Lafayette, Ind. Sponge rubber in sheet and various other forms. Serial No. 437,025; May 20. Class 1.

Burrus Feed Mills. (See Tex-O-Kan Flour Mills.)

Carborundum Company, The, Niagara Falls, N. Y. Sheet material coated with abrasive grains. Serial No. 433,476; May 20. Class 4.

Celotex Corporation, The, Chicago, Ill. Structural steel members. Serial No. 441,809; May 20. Class 12.

Central Scientific Company, Chicago, Ill. Pumps for handling gaseous fluids. Serial No. 440,405; May 20. Class 23.

Century Engineering Corporation, Cedar Rapids, Iowa. Boilers and furnaces and parts thereof. Serial No. 403,164; May 20. Class 34.

Century Radio Co. Inc., Philadelphia, Pa. Electrical signal receiving units. Serial No. 440,800; May 20. Class 21.

Ceravolo, V., Provisions Inc., Philadelphia, Pa. Prepared meats. Serial No. 436,247; May 20. Class 46.

Charleston Milling Company, Charleston, W. Va. Wheat flour. Serial No. 441,348; May 20. Class 46.

Chicago Mail Order Company, Chicago, Ill. Men's rubber boots, rubbers, and galoshes. Serial No. 441,155; May 20. Class 39.

Christensen, Geneva B., New Rochelle, N. Y. Devices for illuminating transparencies. Serial No. 440,371; May 20. Class 21.

Claire Manufacturing Company, Chicago, Ill. Soap. Serial No. 441,859; May 20. Class 4.

Clark, Dan E., II, doing business as Dan E. Clark II and Associates, New York, N. Y. Feature column or article of periodicals of regular issue. Serial No. 441,309; May 20. Class 38.

Clem Bottling Works, Malvern, Ark. Nonalcoholic beverages, and syrups, extracts, and flavors used in making same. Serial No. 441,670; May 20. Class 45.

Coakley, Arthur T., Catonsville, Md. Baking acid. Serial No. 439,805; May 20. Class 46.

Coakley, Arthur T., Catonsville, Md. Flour. Serial No. 439,806; May 20. Class 46.

Columbus McKinnon Chain Corporation, Tonowanda, N. Y. Anti-skid chains. Serial No. 441,902; May 20. Class 13.

Consolidated Sewing Machine & Supply Co. Inc., New York, N. Y. Sewing machines. Serial No. 425,187; May 20. Class 23.

Continental Radio and Television Corporation, Chicago, Ill. Combination radio and phonograph. Serial No. 440,368; May 20. Class 36.

Cormany, S. J., Jr., doing business as Dr. Pepper Bottling Co., Mount Vernon, Ill. Maltless beverages, and syrups, extracts, and flavors used in making same. Serial No. 441,697; May 20. Class 45.

Corn Products Refining Company, New York, N. Y. Cereal core binders. Serial No. 442,353; May 20. Class 5.

Cowley, Simpson L., doing business as Cowley Manufacturing Company, Hugo, Okla. Rat and mouse exterminators. Serial No. 432,463; May 20. Class 6.

Crown Zellerbach Corporation, doing business as Western Waxed Paper Company, Division of Zellerbach Corporation, San Francisco, Calif., and North Portland, Oreg. Waxed paper. Serial No. 440,676; May 20. Class 37.

Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkeim, Germany. Steel articles. Serial No. 399,600; May 20. Class 14.

Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Steel articles. Serial No. 403,645; May 20. Class 14.

Derris, Inc., New York, N. Y. Floor wax and furniture polish. Serial No. 441,813; May 20. Class 16.

Diversey Corporation, Chicago, Ill. Mechanically operated and cycle governed dispenser. Serial No. 428,474; May 20. Class 23.

Duro Metal Products Company, Chicago, Ill. Power tools. Serial No. 440,194; May 20. Class 23.

Eastern New England Company. (See Goldberg, Harris.)

Ecusta Paper Corporation, Pisgah Forest, N. C. Cigarette paper. 441,281; May 20. Class 8.

Edens, Ralph A., doing business as Falcon Tool Company, Detroit, Mich. Metal working tools. Serial No. 441,160; May 20. Class 23.

Edison General Electric Appliance Company, Inc., Chicago, Ill. Electric regrigerating machines and parts thereof. Serial No. 442,312; May 20. Class 31.

Emerson, Frank P., doing business as Emerson Bros. Mfg. Co., Los Angeles, Calif. Popped pop corn. Serial No. 433,526; May 20. Class 46.

Faesy & Besthoff, Inc., New York, N. Y. Peat moss. Serial Nos. 440,927–8; May 20. Class 1.

Falcon Tool Company. (See Edens, Ralph A.)

Farmella Food Products Corporation, New York, N. Y. Cheese. Serial No. 441,161; May 20. Class 46.

Frankenthal, H., doing business as Frankenthal Company, Weslaco, Tex., and Sanger, Calif. Fresh vegetables and fresh grapes. Serial No. 429,900; May 20. Class 46.

Garlinghouse Brothers, Los Angeles, Calif. Concrete holding hoppers, bins, buckets, etc. Serial No. 440,500; May 20. Class 23.

Gavin-Simon, Far Rockway, Long Island, N. Y. Chairs and sofas. Serial No. 442,317; May 20. Class 32.

Geilfus, Mervin C., Los Angeles, Calif. Raincoats. Serial No. 431,134; May 20. Class 39.

Glamour Blouse & Sportswear, Inc., New York, N. Y. Shirts, blouses, and waists. Serial No. 441,571; May 20. Class 39.

Godfrey, Ingalls W., doing business as King Electrical Parts Manufacturing Co., Brooklyn and New York, N. Y. Electrical automobile parts. Serial No. 401,257; May 20. Class 21.

Goldberg, Harris, doing business as Eastern New England Company, Middletown, Conn. Stove polish. Serial No. 438,731; May 20. Class 4.

Grandin, D. H., Milling Co., Jamestown, N. Y. Poultry feeds. Serial No. 432,081; May 20. Class 46.

Greitzer, Meyer, Los Angeles, Calif. Chairs. Serial No. 442,008; May 20. Class 32.

Gretsch, Fred, Manufacturing Co., The, Brooklyn, N. Y. Flutes. Serial No. 437,820; May 20. Class 36.

Grove Regulator Company, Oakland, Calif. Pressure controllers and automatic valves. Serial No. 441,911; May 20. Class 13.

Hamilton, Fred P., Jr., Omaha, Nebr. Printed transfers. Serial No. 439,618; May 20. Class 38.
Harrower Laboratory, Inc., The, Glendale, Calif. Preparation for use as a stimulant in gastroenterological practice. Serial No. 441,434; May 20. Class 6.
Hillindale Fabrics. (See Antolini, Alberto F.)
Hoffmann-La Roche, Inc., Nutley, N. J. Medicinal preparation. Serial No. 442,194; May 20. Class 6.
Hollingshead, R. M., Corp., Camden, N. J., assignor to Sears, Roebuck and Co., Chicago, Ill. Shoe polishing kit. Serial No. 434,646; May 20. Class 50.
Isaacson Iron Works, Seattle, Wash. Wheeled conversion units for tractors. Serial No. 438,393; May 20. Class 23.
Johnson & Faulkner, Inc., New York, N. Y. Fabrics in the piece. Serial No. 442,174; May 20. Class 42.
Johnson, S. C., & Son, Inc., Racine, Wis. Combination cleaning and wax polishing preparation. Serial No. 440,940; May 20. Class 16.
Kabo Corset Company, Chicago, Ill. Corsets, girdles, foundations, brassieres, etc. Serial No. 440,819; May 20. Class 39.
Kelco Company, San Diego, Calif. Algin composition for use in bakery goods. Serial No. 440,723; May 20. Class 46.
Kellogg, M. W., Company, The, Jersey, N. J., and New York, N. Y. Plastic monolithic refractories. Serial No. 441,543; May 20. Class 12.
King-Seeley Corporation, Ann Arbor, Mich. Ammeters, oil gauges, heat indicators, etc. Serial No. 440,690; May 20. Class 26.
Kingsway Press, Inc., The, New York, N. Y. Magazine published from time to time. Serial No. 440,557; May 20. Class 38.
Knoll, H. G., & Co., Inc., New York, N. Y. Sedatives. Serial No. 442,267; May 20. Class 6.
La Casta, Eduardo S., Olhao, Portugal. Fish conserves. Serial No. 432,644; May 20. Class 46.
Lactona, Incorporated, St. Paul, Minn. Synthetic bristling filaments. Serial No. 438,887; May 20. Class 1.
Linderman, A. J., & Hoverson Company, Milwaukee, Wis. Wicks for liquid hydrocarbon fuel burners. Serial No. 440,149; May 20. Class 34.
Lipton, Lester H., doing business as The Lester H. Lipton Co., Cleveland, Ohio. Canned fruits, vegetables, milk, etc. Serial No. 440,750; May 20. Class 46.
Loewengart & Company, New York, N. Y. Leather skins and leather in the piece in flat, round, or similar shape. Serial No. 441,168; May 20. Class 1.
Long Island Barber Supply Co., Patchogue, N. Y. Hair dressing preparation. Serial No. 442,533; May 20. Class 6.
Mar-Salle Chicago Company, Chicago, Ill. Cordials, liqueurs, brandies and gins. Serial No. 439,050; May 20. Class 49.
McClung, Eugene F., doing business as Royal Auto Products Company, Huntington Park, Calif. Mats made of rubberized cords. Serial No. 441,169; May 20. Class 32.
McMullen-Leavens Co., Glens Falls and New York, N. Y. Women's dresses, blouses, and shirts. Serial No. 434,028; May 20. Class 39.
Meat Import Co., Inc., New York, N. Y. Canned meat. Serial No. 427,322; May 20. Class 46.
Meridith Publishing Company, The, Des Moines, Iowa. Section in a magazine. Serial Nos. 441,402-4; May 20. Class 38.
Merrell, Wm. S., Company, Cincinnati, Ohio. Product used in the treatment of high blood pressure. Serial No. 441,286; May 20. Class 6.
Michaelis, Benjamin, doing business as Statolet Company, New York, N. Y. Pencils, fountain-pens, rulers, etc. Serial No. 440,420; May 20. Class 37.
Michigan Potato Growers' Exchange, Inc., Cadillac, Mich. Potatoes. Serial No. 439,204; May 20. Class 46.
Mid-West Community Sales Service Co., Des Moines, Iowa. Periodical. Serial No. 440,944; May 20. Class 38.
Mills Novelty Company, Chicago, Ill. Sound motion pictures. Serial No. 435,398; May 20. Class 26.
Mohawk Rubber Company, The, Akron, Ohio. Vehicle tires. Serial No. 441,321; May 20. Class 35
Municipal Sully Company, South Bend, Ind. Self-propelled pickup street sweepers. Serial No. 439,722; May 20. Class 23.
Nagel, Ethel, New York, N. Y. Ladies' and children's handbags. Serial No. 442,271; May 20. Class 3.
National Pharmacy Company, San Francisco, Calif. Cough syrup. Serial No. 441,251; May 20. Class 6.
National Time & Signal Corporation, Detroit, Mich. Timing mechanisms. Serial No. 434,664; May 20. Class 27.
Newman, Milton, doing business as Quaker Maid Mills, Philadelphia, Pa. Toilet lid covers, bath mats and rugs. Serial No. 441,442; May 20. Class 42.
Netherlands-American Digest, Inc., New York, N. Y. Magazines issued monthly. Serial No. 438,958; May 20. Class 38.
Nyal Company, Detroit, Mich. Preparations used in the treatment of colds. Serial No. 441,408; May 20. Class 6.
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, etc. Serial No. 442,048; May 20. Class 49.
Ollendorff, Julian. Comic cartoons or drawings. Serial No. 438,548; May 20. Class 38.
Pacific Coast Grocery Co., Inc., doing business as Brannon Distributing Company, San Francisco, Calif. Canned fruits, vegetables, fish, etc. Serial No. 440,261; May 20. Class 46.
Para Manufacturing Co., Inc., Newark, N. J. Shower bath curtains and matching window drapes and shower curtains. Serial No. 434,499; May 20. Class 13.
Parfums Charbert, Inc., New York, N. Y. Perfumes, toilet water, sachets, etc. Serial No. 441,254; May 20. Class 6.
Parfums Ciro, Inc., New York, N. Y. Perfumes and toilet water. Serial No. 441,326; May 20. Class 6.
Parke, Davis & Company, Detroit, Mich. Combination of vitamin B complex with a diastatic enzyme. Serial No. 441,409; May 20. Class 6.
Pepper, Dr., Bottling Co. (See Cormany, S. J., Jr.)
Purity Cheese Co., Mayville, Wis. Cheese. Serial No. 435,591; May 20. Class 46.
Quaker Maid Mills. (See Newman, Milton.)
Raffetto, G. B., Inc., New York, N. Y. Bottled jams, jellies, preserves, etc. Serial No. 441,256; May 20. Class 46.
Raleigh Haberdasher, Washington, D. C. Men's summer suits. Serial No. 441,445; May 20. Class 39.
Ralston Purina Company, St. Louis, Mo. Fresh eggs. Serial No. 437,914; May 20. Class 46.
Rainsmore Sled Company, Inc., The, New York, N. Y. Coaster sleds. Serial No. 441,141; May 20. Class 22.
Roper, Geo. D., Corporation, Rockford, Ill. Oven thermostats for gas ranges. Serial No. 427,451; May 20. Class 26.
Ross, Dr. W. J., Company, Los Alamitos, Calif. Granulated soap. Serial No. 441,414; May 20. Class 4.
Royal Auto Products Company. (See McClung, Eugene F.)
Rudley Sportswear Incorporated, New York, N. Y. Ladies' and misses' sportswear. Serial No. 440,177; May 20. Class 39.
Russell, Frederick C. Newspaper articles. Serial No. 440,178; May 20. Class 38.
Salinas Valley Vegetable Exchange, Salinas, Calif. Fresh vegetables. Serial No. 439,632; May 20. Class 46.
Salvus Products Inc., Chicago, Ill. Sutures. Serial No. 442,076; May 20. Class 44.
Saukville Canning Co., Milwaukee and Saukville, Wis. Canned vegetables and vegetable juices. Serial No. 440,880; May 20. Class 46.
Schepp, William J., doing business as Schepp Laboratories, East Paterson, N. J. Saponaceous or non-saponaceous cleansing film. Serial No. 440,998; May 20. Class 4.
Schroeder Bros., Inc., New York, N. Y. Spanish brandy. Serial No. 440,884; May 20. Class 49.
Sears, Roebuck and Co. (See Hollingshead, R. M., Corp.)
Selwam Metal Lures, Columbus, Ind. Fishing bait including spinner, etc. Serial No. 442,245; May 20. Class 22.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Tonics, elixirs, preparations for correction of metabolic deficiencies. Serial No. 441,448; May 20. Class 6.
Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Linings for clothing. Serial No. 441,489; May 20. Class 42.
Sprig Co., Minneapolis, Minn. Non-alcoholic beverages sold as soft drinks and syrups. Serial No. 441,490; May 20. Class 45.
State Automobile Insurance Association, by Automobile Underwriters, Inc., The, Attorney-in-Fact, Des Moines, Iowa. Periodical publication. Serial No. 420,974; May 20. Class 38.
Statolet Company. (See Michaelis, Benjamin.)
Stein, A., & Company, Chicago, Ill. Sanitary belts and tampons. Serial No. 441,292; May 20. Class 44.
Stork Club Hollywood, Los Angeles, Calif. Maternity garments. Serial No. 438,826; May 20. Class 39.
Strutwear Knitting Company, Minneapolis, Minn. Hosiery. Serial Nos. 441,750–1; May 20. Class 39.
Synfleur Scientific Laboratories, Inc., Monticello, N. Y. Chemicals used for imparting odor or color to perfumes or perfumed preparations. Serial No. 439,449; May 20. Class 6.
Taube, Arthur, Floral Park, Long Island, N. Y. Nail and cuticle cream. Serial No. 442,403; May 20. Class 6.
Tex-O-Kan Flour Mills Company, doing business as Burrus Feed Mills, Dallas, Tex. Poultry, dairy, livestock, etc., feeds, etc. Serial No. 438,288; May 20. Class 46.
Tribune Company, Chicago, Ill. Series of cartoons. Serial No. 440,477; May 20. Class 38.
Tuxedo Fruit Company, Fort Pierce, Fla. Fruits. Serial Nos. 440,074–5; May 20. Class 46.
Uddeholms Aktiebolag, Uddeholm, Sweden. Razor blades. Serial No. 421,825; May 20. Class 23.
Ulman, Bernhard, Co. Inc., New York, N. Y. Art needlework yarns. Serial No. 441,931; May 20. Class 43.
U. S. Industrial Chemicals, Inc., New York, N. Y. Alcohol-type solvent. Serial No. 441,267; May 20. Class 6.
Van Raalte Company, Inc., New York, N. Y. Women's, misses', and children's underwear. Serial No. 441,268; May 20. Class 39.
Wallace, John H., Jr., doing business as Wallace Laboratories, Jersey City, N. J. Pharmaceutical ointment. Serial Nos. 442,151–2; May 20. Class 6.

Walsh, James, & Co. Inc., Lawrenceburg, Ind. Whiskies, gin, brandy, etc. Serial No. 441,908; May 20. Class 49.
Wärtsilä-Yhtymä O/Y-Wärtsilä-Koncernen A/B, Vartsila, Finland. Dairy machinery. Serial No. 440,844; May 20. Class 23.
Wathen Bros., Distillers, Louisville, Ky. Whiskey, gin, rum, etc. Serial No. 442,017; May 20. Class 49.
Webster, F. S., Company, Cambridge, Mass. Carbon paper. Serial No. 432,590; May 20. Class 11.
Webster Paint & Varnish Company, Duluth, Minn. Liquid and paste wax and automobile polish. Serial No. 440,896; May 20. Class 16.
Western Waxed Paper Company, Division of Crown Zellerbach Corporation. (See Crown Zellerbach Corporation.)
Wheeler Insulated Wire Co., The, Bridgeport, Conn. Switches. Serial No. 435,269; May 20. Class 21.
Wilkening Manufacturing Company, Philadelphia, Pa. Metallic piston rings and spring expanders therefor. Serial Nos. 441,004–5; May 20. Class 35.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Vitamin fortified yeast concentrate. Serial No. 441,458; May 20. Class 6.
Yates, A. W., Inc., Hartford, Conn. Honey mixtures. Serial No. 439,509; May 20. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Distributing Co., Inc., doing business as Acme Distributing Co., Pasadena, Calif. Wines. 387,539; May 20; Serial No. 439,184; published Mar. 11, 1941. Class 47.
Addison-Proctor Company. (See Wigler, Albert I.)
Affiliated Products, Inc., Jersey City, N. J. Lipsticks, rouges, mascara, etc. 387,588; May 20. Class 6.
Alabama Marble Company, doing business as Alabama Calcium Products, Cantts Quarry, Ala. Pulverized calcium carbonate. 387,599; May 20. Class 1.
Alaska Pacific Salmon Company. (See Thlinket Packing Corporation, assignor.)
Alba Pharmaceutical Company, Inc., New York, N. Y. Systemic alkalizing preparation. 387,571; May 20; Serial No. 439,916; published Mar. 11, 1941. Class 6.
Amalgamated Leather Companies, Inc., Wilmington, Del.; Philadelphia, Pa.; New York, and Rochester, N. Y.; Boston, Mass.; Chicago, Ill., and St. Louis, Mo., to Amalgamated Leather Companies, Inc., Wilmington, Del. Leather. 145,592; renewed Aug. 16, 1941.
Amendt Milling Company, Monroe, Mich. Wheat-flour. 142,915; renewed May 24, 1941.
Anaheim Citrus Fruit Association, Anaheim, Calif. Fresh citrus fruits. 140,679; renewed Sept. 20, 1941.
Annetta Dresses Inc., New York, N. Y. Dresses and dress ensembles. 387,498; May 20; Serial No. 436,492; published Mar. 11, 1941. Class 39.
Arata, Rudolph J., Los Angeles, to Nourishine Sales Company, Hollywood, Calif., successor. Hair-restorer. 145,927; renewed Aug. 23, 1941.
Arkansas Company, Inc., Newark, N. J. Chemical preparation. 387,532; May 20; Serial No. 439,065; published Mar. 11, 1941. Class 6.
Arlette, Inc., Bloomfield, N. J. Permanent waving pads for application to the hair. 387,557; May 20; Serial No. 439,453; published Mar. 11, 1941. Class 44.
Atlantic Monthly Company, The, Boston, Mass. Periodical published monthly. 143,895; renewed June 21, 1941.
Atwater Fruit Exchange, Atwater, Calif. Fresh deciduous and vinous fruits. 143,541; renewed June 7, 1941.
Baack, Herman, New York, N. Y. Cosmetic cream. 387,576; May 20; Serial No. 439,958; published Mar. 11, 1941. Class 6.
Baldwin, Vern C., Springfield, Ill. Medicines to be applied to eyebrows when plucking. 387,606; May 20. Class 6.
Banner Packing Co. (See General Laboratories, Inc.)
Barron-Gray Packing Company, San Jose, Calif. Canned fruits, fruit cocktail, etc. 387,607; May 20. Class 46.
Barta-Griffin Company, Worcester, Mass. Printing inks and dryers for printing inks. 387,487; May 20; Serial No. 434,773; published Mar. 11, 1941. Class 11.
Bassetti, A., doing business as Party Pride Packing Co., and also Party Pride Canning Co., Mountain View, Calif. Prepared foods. 387,485; May 20; Serial No. 434,695; published Mar. 11, 1941. Class 46.
Bellamy, Ethel, Inc., Nutley, N. J. Cosmetic cream. 387,597; May 20. Class 6.
Berst-Forster-Dixfield Company, New York, N. Y. Paper food dishes. 387,561; May 20; Serial No. 439,575; published Mar. 11, 1941. Class 2.
Binney & Smith Company, New York, N. Y. Carbon black for use in rubber industry. 387,551–2; May 20; Serial Nos. 439,404–5; published Mar. 11, 1941. Class 6.
Blankson Clothes, Inc., New York, N. Y. Suits, overcoats, topcoats, etc. 387,533; May 20; Serial No. 439,090; published Mar. 11, 1941. Class 39.
Blatchford, James E., doing business as Blatchford Furniture Company, Altoona, Pa. Furniture and mattresses. 387,483; May 20; Serial No. 433,083; published Sept. 3, 1940. Class 32.
Boston Knitting Mills, Inc., Newton, Mass. Underwear. 387,560; May 20; Serial No. 439,511; published Mar. 11, 1941. Class 39.
Bradley, Milton, Company, Springfield, Mass. Table game. 387,584; May 20; Serial No. 440,113; published Mar. 11, 1941. Class 22.
Breon, George A., & Company, Incorporated, Kansas City, Mo. Vitamin tablets. 387,586; May 20; Serial No. 440,144; published Mar. 11, 1941. Class 6.
Brian Fabrics Corporation, New York, N. Y. Scarfs. 387,553; May 20; Serial No. 439,406; published Mar. 11, 1941. Class 39.
Browning & Sanders, assignor, by mesne assignments, to Owl Discount Stamp Company, Springfield, Mo. Trading-stamps. 136,764; renewed Nov. 9, 1940.
Burger Bros. Company, The, Cincinnati, Ohio, by change of name to The Burger Brewing Company. Hops. 142,951; renewed May 24, 1941.
Burger Bros. Company, The, Cincinnati, Ohio, by change of name to The Burger Brewing Company. Extracts of barley-malt. 143,564; renewed June 7, 1941.
Burkeman, George, Omaha, Nebr. Shoes made of leather. 145,620; renewed Aug. 16, 1941.
Canadian Fish & Cold Storage Co., Limited, Prince Rupert, British Columbia, Canada, and Chicago, Ill., to Canadian Fish & Cold Storage Company Limited, Prince Rupert, British Columbia, Canada. All varieties of frozen fish, salt fish, and smoked fish. 143,567; renewed June 7, 1941.
Celanese Corporation of America, New York, N. Y. Piece goods. 387,572; May 20; Serial No. 439,925; published Mar. 11, 1941. Class 42.
Centennial Mill Company of Tenn., Memphis, Tenn., assignor to Centennial Flouring Mills Company, Seattle, Wash. Wheat-flour. 140,769; renewed Mar. 29, 1941.
Cerevim Products Corporation, New York, N. Y. Tongue depressors coated with candy. 387,590; May 20. Class 44.
Cheramy, Inc., New York, N. Y. Brilliantine, face-powder, face-cream, etc. 146,966; renewed Sept. 27, 1941.
Chicago Flexible Shaft Company, Chicago, Ill. Electric flatirons. 145,335; renewed Aug. 2, 1941.
Clairol, Inc., New York, N. Y., assignor to Clairol, Incorporated, Stamford, Conn. Lotions, creams, chemically treated pads, etc. 387,490–1; May 20; Serial Nos. 434,969–70; published Mar. 11, 1941. Class 6.
Cleveland Heater Company, The, Cleveland, Ohio. Hot water heaters, water storage heaters and their structural parts. 387,470; May 20; Serial No. 413,774; published Mar. 11, 1941. Class 34.
Clicquot Club Company. (See Millis, Henry L.)
Comyns, Erle J., doing business as True Fruit Concentrate Co., Los Angeles, Calif. Gelatin desserts. 387,496; May 20; Serial No. 435,866; published Mar. 11, 1941. Class 46.
Coöperatieve Producenten Handelsvereeniging, Gouda and The Hague, Netherlands, to Coöperatieve Producenten Handelsvereeniging, Gouda, Netherlands. Cheese. 139,126; renewed Jan. 25, 1941.
Curtiss Candy Company, The, Chicago, Ill. Chocolate flavored powder to be used with sweet milk and the like for making beverages. 387,499; May 20; Serial No. 430,504; published Mar. 11, 1941. Class 46.
De Witt, E. C., Co. Inc., Chicago, Ill., and New York, N. Y., to E. C. De Witt & Co. Inc., Chicago, Ill. Preparations for treatment of bruises, burns, scalds, etc. 145,945; renewed Aug. 23, 1941.
Donna Citrus Association, Donna, Tex. Citrus fruits. 387,501; May 20; Serial No. 430,759; published Mar. 11, 1941. Class 46.
Drink-Mor Beverage Company, Wilkes-Barre, Pa. Maltless beverage, and sirup and extract for making the same. 387,476; May 20; Serial No. 427,929; published Apr. 2, 1940. Class 45.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dyestuffs. 143,588–92; renewed June 7, 1941.
Dutchess Underwear Corporation, New York, N. Y. Dresses. 387,480; May 20; Serial No. 432,433; published Mar. 11, 1941. Class 39.
Eagle Pencil Company, New York, N. Y. Lead pencils. 387,524; May 20; Serial No. 438,835; published Mar. 11, 1941. Class 37.
Eastman Kodak Company, Rochester, N. Y. Piece goods. 387,534; May 20; Serial No. 439,096; published Mar. 4, 1941. Class 42.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic chemicals. 387,535; May 20; Serial No. 439,097; published Mar. 11, 1941. Class 6.
Ehrman, Samuel, Co., Inc., New York, N. Y. Fabrics in the piece. 387,549; May 20; Serial No. 439,386; published Mar. 11, 1941. Class 42.
Engineering and Research Corporation, Riverdale, Md. Airplanes. 387,495; May 20; Serial No. 435,839; published Mar. 11, 1941. Class 19.
Ethiogienic Laboratories. (See Rothenburg, Myrtle W.)

Euclid Candy Company of California, Inc., The. San Francisco, Calif. Candy. 387,603; May 20. Class 46.
Farrell Publishing Corporation, New York, N. Y. Periodical. 387,591; May 20. Class 38.
Fawcett Publications, Inc., Greenwich, Conn. Publication. 387,601; May 20. Class 38.
Featherstone, Harry W., doing business as H. W. Featherstone & Co., Worcester, Mass. Special chemical preparation for textile fabrics, and a vehicle for rendering colors fast. 387,546; May 20; Serial No. 439,305; published Mar. 11, 1941. Class 6.
Ferro Enamel Corporation, Cleveland, Ohio. Paint enamels. 387,511; May 20; Serial No. 437,813; published Feb. 18, 1941. Class 16.
Foote and Jenks, Jackson, Mich., by change of name to Foote & Jenks, Inc. Extracts for food-flavoring purposes. 141,550; renewed Apr. 26, 1941.
Foote & Jenks, Inc., Jackson, Mich. Maltless beverage, sold as soft drink and sirup and extract for making the same. 387,577; May 20; Serial No. 439,964; published Mar. 11, 1941. Class 45.
Fox River Paper Corporation, Appleton, Wis. Coated papers. 387,596; May 20. Class 37.
Freeda Agar Products, New York, N. Y. Vitamin capsules and tablets. 387,556; May 20; Serial No. 439,438; published Mar. 11, 1941. Class 6.
French, R. T., Company, The. (See Reckitts (U. S. A.), Ltd., assignor.)
Fugazzi-Pinellas Groves Co., Clearwater, Fla., and Cincinnati, Ohio. Fresh citrus fruits. 387,600; May 20. Class 46.
Gates, William H., Norfolk, Va. Candies and chocolates. 140,808; renewed Mar. 29, 1941.
Gem Packing Corporation, Brooklyn, N. Y. Canned vegetable oil for cooking use. 387,529; May 20; Serial No. 439,016; published Mar. 11, 1941. Class 46.
General Laboratories, Inc., doing business as Banner Packing Co., Des Moines, Iowa. Dog food. 387,536; May 20; Serial No. 439,102; published Mar. 11, 1941. Class 46.
General Latex and Chemical Corporation, Cambridge, Mass. Rubber latex in natural dilute or concentrated form. 387,530; May 20; Serial No. 439,020; published Mar. 11, 1941. Class 1.
General Mills, Inc. (See Portland Flouring Mills Co., assignor.)
Gillis & Geoghegan, assignor, by mesne assignments, to Gillis & Geoghegan Hoist Corporation, New York, N. Y. Telescopic and non-telescopic stationary hoists, and heads, jibs, and other parts and accessories therefor. 143,954; renewed June 21, 1941.
Glass Novelty Company, Chicago, Ill., by change of name to Storkline Furniture Corporation. Medicine-cabinets, baby bassinets, children's dressers, etc. 144,237; renewed June 28, 1941.
Goldsmith Brothers Manufacturing Co., Inc., New York, N. Y. Handbags. 387,583; May 20; Serial No. 440,091; published Mar. 11, 1941. Class 3.
Goldstein, David, doing business as Hungarian Bakers, New York, N. Y. Candies, chocolates, jams and jellies. 387,474; May 20; Serial No. 426,614; published Mar. 11, 1941. Class 46.
Goodwinol Products Corporation, New York, N. Y. Ointment for the treatment of mange in animals. 387,585; May 20; Serial No. 440,122; published Mar. 11, 1941. Class 6.
Gristede Bros. Inc., New York, N. Y. Gin and whiskey. 387,471; May 20; Serial No. 417,456; published Mar. 11, 1941. Class 49.
Grove Milk Company, The, Columbus Grove, Ohio. Canned evaporated milk. 387,489; May 20; Serial No. 434,893; published Mar. 11, 1941. Class 46.
Hakans Food Co., San Francisco, Calif. Salads with dressing added. 387,503; May 20; Serial No. 436,845; published Mar. 11, 1941. Class 46.
Half Moon Fruit & Produce Co., assignor to Half Moon Fruit & Produce Company, San Francisco, Calif. Cantaloups. 141,570; renewed Apr. 26, 1941.
Hall-Watson Company, Inc., The, New York, N. Y. Self-polishing wax, lacquer and terrazzo seal. 387,543; May 20; Serial No. 439,273; published Mar. 11, 1941. Class 16.
Hall-Watson Company, Inc., The, New York, N. Y. Soaps, and a cleaning powder. 387,544; May 20; Serial No. 439,274; published Mar. 11, 1941. Class 4.
Hansen's, Chr., Laboratory, Inc., Little Falls, N. Y. Butter-color. 146,762; renewed Sept. 20, 1941.
Hansen's, Chr., Laboratory, Inc., Little Falls, N. Y. Food-colors. 146,763; renewed Sept. 20, 1941.
Hardie Bros. Co. Inc., Pittsburgh, Pa. Hard candies. 141,134; renewed Apr. 12, 1941.
Harris, P. E., & Co. (See Thlinket Packing Corporation, assignor.)
Harris-Seybold-Potter Company, Cleveland, Ohio. Printing and lithographing inks, extenders, and pigments. 387,528; May 20; Serial No. 438,983; published Mar. 11, 1941. Class 11.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Canned fruit juices. 387,468; May 20; Serial No. 410,787; published Mar. 11, 1941. Class 46.
Heller, L., & Son, Inc. (See Karpeles Company.)
Hockaday, Frank W., to Grace Hockaday, Guardian, Wichita, Kans. Metal signs affixed to permanent supports and used as road-markers. 140,830; renewed Mar. 29, 1941.
Hoeppel, Annie, Arcadia, Calif. Periodical. 387,602; May 20. Class 38.
Hollins, William, & Co., Limited, Mansfield and London, England, to William Hollins & Company, Limited, Nottingham, England. Wool and cotton piece goods. 140,831; renewed Mar. 29, 1941.
Holsum Products. (See Jewett & Sherman Company.)
Hungarian Bakers. (See Goldstein, David.)
Idaho Falls Warehouse Company, doing business as Idaho Falls Bonded Warehouse Co., Idaho Falls, Idaho. Potatoes in their natural state. 387,514; May 20; Serial No. 438,136; published Mar. 11, 1941. Class 46.
Ideal Cement Stone Company, Omaha, Nebr. Cement blocks. 145,697; renewed Aug. 16, 1941.
Injection Moulding Corporation, New York, N. Y. Hair clasps, hair barrettes, combs, etc. 387,478; May 20; Serial No. 431,247; published Mar. 11, 1941. Class 40.
Isaac, Max, New York, N. Y. Dresses. 387,504; May 20; Serial No. 437,090; published Mar. 11, 1941. Class 39.
Jackson, Roscoe B., Memorial Laboratory, Bar Harbor, Maine. Mice. 387,519; May 20; Serial No. 438,618; published Mar. 11, 1941. Class 1.
Jacobson, Joseph E., Jacksonville, to Joseph E. Jacobson, Miami Beach, Fla. Analgesic and stimulating antiseptic ointment for inflammatory congestion, etc. 141,579; renewed Apr. 26, 1941.
Jewett & Sherman Company, also doing business as Holsum Products, Milwaukee, Wis. Peanut butter. 387,472; May 20; Serial No. 424,132; published July 9, 1940. Class 46.
Jung, L. E., & Wulff Co., Inc., New Orleans, La. Distilled alcoholic liquors. 387,526; May 20; Serial No. 438,886; published Mar. 11, 1941. Class 49.
Karavedas, Danes, doing business as New Gold Beverage Co., Baltimore, Md. Maltless beverages. 387,578; May 20; Serial No. 439,967; published Mar. 11, 1941. Class 45.
Karpeles Company, Providence, R. I., to L. Heller & Son, Inc., New York, N. Y., successor. Jewelry, match-cases, purses, etc. 139,909; renewed Mar. 1, 1941.
Kee Lox Manufacturing Company, Rochester, N. Y. Carbon papers and typewriter ribbons. 387,505–6; May 20; Serial Nos. 437,374–5; published Mar. 4, 1941. Class 11.
Kee Lox Manufacturing Company, Rochester, N. Y. Carbon papers and typewriter ribbons. 387,507–8; May 20; Serial Nos. 437,378–9; published Mar. 4, 1941. Class 11.
Kee Lox Manufacturing Company, Rochester, N. Y. Carbon papers and typewriter ribbons. 387,509–10; May 20; Serial Nos. 437,382–3; published Mar. 4, 1941. Class 11.
Kellogg, Spencer and Sons, Inc., Buffalo, N. Y. Castor-oil. 147,004; renewed Sept. 27, 1941.
KelRay Knitting Mills. (See Krumholz & Lichtblau.)
Kleinert, I. B., Rubber Company, New York, N. Y. Girdles, corsets, and foundation garments. 387,540; May 20; Serial No. 439,199; published Mar. 11, 1941. Class 39.
Knoxville Glove Company, Knoxville, Tenn. Gloves. 387,545; May 20; Serial No. 439,284; published Mar. 11, 1941. Class 39.
Koenigsberger, Franz, New York, N. Y. Toilet water, eau de Cologne, perfumes, etc. 387,554; May 20; Serial No. 439,414; published Mar. 11, 1941. Class 6.
Kraus Bros. & Co., New York, N. Y. Whiskies, rums, gins, etc. 387,609–10; May 20. Class 49.
Krumholz & Lichtblau, doing business as KelRay Knitting Mills, New York, N. Y. Panties, slips, bloomers, etc. 387,525; May 20; Serial No. 438,846; published Mar. 11, 1941. Class 39.
Lacasta, Eduardo S., Olhao, Portugal. Fish conserves. 387,481; May 20; Serial No. 432,645; published Mar. 11, 1941. Class 46.
Lawrie, John, & Sons, Chicago, Ill. Dress braids, textile tapes, hairpins, etc. 387,587; May 20. Class 40.
Lee, Frank H., Company, The, Danbury, Conn. Hats. 387,477; May 20; Serial No. 431,063; published Mar. 11, 1941. Class 39.
Lesser Bag Inc., New York, N. Y. Handbags and pocketbooks. 387,573; May 20; Serial No. 439,940; published Mar. 11, 1941. Class 3.
Lever Brothers Company, Cambridge, Mass. Vegetable shortening. 387,467; May 20; Serial No. 401,441; published Mar. 11, 1941. Class 46.
Lincoln Electric Company, The, Cleveland, Ohio. Metallic welding electrodes. 387,598; May 20. Class 14.
Linette Co., The. (See Lubow, Hyman.)
Lowe, Joe, Corporation, New York, N. Y. Frozen confections. 387,513; May 20; Serial No. 438,076; published Mar. 11, 1941. Class 46.
Lubow, Hyman, doing business as The Linette Co., New York, N. Y. Cotton and linen piece goods. 387,564; May 20; Serial No. 439,659; published Mar. 11, 1941. Class 42.
Mack, Harold L., doing business as Mack Dental Co., Monterey, Calif. Dentifrice. 387,580; May 20; Serial No. 440,012; published Mar. 11, 1941. Class 6.

Master Tire and Rubber Company, The, Dayton, Ohio, assignor, by mesne assignments, to Master Tire & Rubber Corporation, Findlay, Ohio. Tires. 142,015; renewed Mar. 17, 1941.
Millis, Henry L., to Clicquot Club Company, Millis, Mass., successor. Ginger ale. 19,634; re-renewed June 2, 1941.
Miller, Josey, Co., assignor to Josey-Miller Company, Inc., Beaumont, Tex. Poultry feed. 147,002; renewed Sept. 27, 1941.
Mitchell & Weber, Inc., New York, N. Y. Blouses, dresses, housecoats, etc. 387,559; May 20; Serial No. 439,487; published Mar. 11, 1941. Class 39.
Moeller Mfg. Co., Inc., Racine, Wis. Bottle stoppers. 387,594; May 20. Class 50.
Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Carpets and rugs. 387,574; May 20; Serial No. 439,943; published Mar. 11, 1941. Class 42.
Montgomery, Wm., Company, Philadelphia, Pa. Ammonia and bluing. 387,547; May 20; Serial No. 439,309; published Mar. 11, 1941. Class 6.
Moore Grocery Co., doing business as The Sledge Manufacturing Co., Tyler, Tex. Overalls and playsuits. 387,566; May 20; Serial No. 439,760; published Mar. 11, 1941. Class 39.
Morand, H. S., to Ryte-Morand, Limited, Cincinnati, Ohio. Hats for men and women. 145,750; renewed Aug. 16, 1941.
Morrison, Louis, New York, N. Y. Fountain pens. 387,493; May 20; Serial No. 435,664; published Jan. 28, 1941. Class 37.
Mosinger Brothers, St. Louis, Mo. Shoes. 387,494; May 20; Serial No. 435,725; published Mar. 11, 1941. Class 39.
Mustad, O., & Son, Oslo, Norway. Fish hooks. 387,473; May 20; Serial No. 426,212; published Mar. 11, 1941. Class 22.
National Carbon Company, Inc., New York, N. Y. Shower curtains. 387,575; May 20; Serial No. 438,956; published Mar. 11, 1941. Class 13.
National Marking Machine Company, The, Cincinnati, Ohio. Inks. 140,658–9; renewed Mar. 22, 1941.
Nessler, Charles G., Co., Inc., New York, N. Y. Hair rinse preparation. 387,479; May 20; Serial No. 432,003; published July 30, 1940. Class 6.
New Gold Beverage Co. (See Karavedas, Danes.)
Niedner's, Chas., Sons Company, Malden, Mass. Fabric fire-hose. 145,761; renewed Aug. 16, 1941.
Nourishine Sales Company. (See Arata, Rudolph J.)
Nylon-Nene Manufacturing Co. (See Victore, Albert E., assignor.)
Optimus Pharmaceuticals Company, Inc., Taylors, S. C. Medicinal preparation. 387,537; May 20; Serial No. 439,122; published Mar. 11, 1941. Class 6.
Ormerod, John, and Sons Limited, Castleton, England. Leather goods for use in loom and textile machinery. 140,919; renewed March 29, 1941.
Otte, Werner F., New York, N. Y. Board game played with movable pieces. 387,582; May 20; Serial No. 440,054; published Mar. 11, 1941. Class 22.
Otto Items, Inc., St. Louis, Mo. Oil and grease seals. 387,482; May 20; Serial No. 433,983; published Oct. 8, 1940. Class 35.
Owl Discount Stamp Company. (See Browning & Sanders, assignor.)
Pacific Knitting Mills, Incorporated, Los Angeles, Calif. Outing and swimming garments, underwear, corsets, etc. 387,512; May 20; Serial No. 438,051; published Mar. 11, 1941. Class 39.
Paper and Industrial Appliances, Inc., New York, N. Y. Abrasive insets or segments for refiners or other grinding apparatus for paper fibers or pulp. 387,516; May 20; Serial No. 438,350; published Mar. 11, 1941. Class 4.
Party Pride Canning Co. (See Bassetti, A.)
Party Pride Packing Co. (See Bassetti, A.)
Patti, Rosario, doing business as Patti Products, Geneva, N. Y. Washing fluid. 387,484; May 20; Serial No. 434,159; published Mar. 11, 1941. Class 4.
Penick & Ford, Ltd., Incorporated, New York, N. Y. Table syrup. 387,558; May 20; Serial No. 439,470; published Mar. 11, 1941. Class 46.
Penney, J. C., Company, New York, N. Y., and Wilmington, Del. Blankets. 387,550; May 20; Serial No. 439,397; published Mar. 11, 1941. Class 42.
Penney, J. C., Company, New York, N. Y., and Wilmington, Del. Cotton piece goods. 387,579; May 20; Serial No. 439,973; published Mar. 11, 1941. Class 42.
Peterman, Wm., Inc., Passaic, N. J., and New York, N. Y., assignor, by mesne assignments, to Stanco Incorporated, New York, N. Y. Insecticide. 142,088; renewed May 3, 1941.
Petri Cigar Company, Inc., doing business as Petri Wine Company, San Francisco, Calif. Wines. 387,531; May 20; Serial No. 439,055; published Mar. 11, 1941. Class 47.
Pfaff & Kendall, Newark, N. J. Clothesline-posts of metal. 140,934; renewed Mar. 29, 1941.
Phinny Brothers Company, assignor to Quaker State Oil Refining Corporation, Oil City, Pa. Oils and greases. 145,778; renewed Aug. 16, 1941.
Portland Flouring Mills Co., The, Portland, Oreg., assignor, by mesne assignments, to General Mills, Inc., Minneapolis, Minn. Self-rising wheat-flour. 146,125; renewed Aug. 30, 1941.
Producers & Refiners Corporation, Denver, Colo., assignor to Sinclair Refining Company, New York, N. Y. Gasolene, kerosene, and lubricating oil. 142,319; renewed May 10, 1941.
Purity Oats Company, Branch of American Hominy Company, Davenport and Keokuk, Iowa, to Purity Oats Company, Keokuk, Iowa, successor. Oatmeal. 143,142; renewed May 24, 1941.
Quaker State Oil Refining Company. (See Phinny Brothers Company.)
Rand Rubber Company, Brooklyn, N. Y. Dress shields. 387,592; May 20. Class 40.
Rap-I-Dol Distributing Corporation, New York, N. Y. Shampoo tint, skin lotion and powder base, etc. 387,538; May 20; Serial No. 439,175; published Mar. 11, 1941. Class 6.
Reckitts (U. S. A.), Ltd., New York, N. Y., and New Brunswick, N. J., assignor, by mesne assignments, to The R. T. French Company, Rochester, N. Y. Laundry blue. 140,945; renewed Mar. 29, 1941.
Reliance Trailer and Truck Company, Inc., San Francisco, Calif. Trailers. 140,527; renewed Mar. 15, 1941.
Riverbank Canning Company, Riverbank, Calif. Canned vegetables and canned tomato paste. 387,520; May 20; Serial No. 438,629; published Mar. 11, 1941. Class 46.
Robbins & Schwartz, to A. Schwartz, New York, N. Y., successor. Hair-nets. 141,666; renewed Apr. 26, 1941.
Rothenburg, Myrtle W., doing business as Ethogienic Laboratories, Opelika, Ala. Powder for vaginal irrigation. 387,581; May 20; Serial No. 440,024; published Mar. 11, 1941. Class 6.
Royersford Spring Company, Royersford, Pa. Vehicle-seat and furniture springs. 387,565; May 20; Serial No. 439,668; published Mar. 11, 1941. Class 32.
Rubinstein, Helena, Inc., New York, N. Y. Lipsticks. 387,555; May 20, 1941; Serial No. 439,419; published Mar. 11, 1941. Class 6.
Ryte-Morand, Limited. (See Morand, H. S., assignor.)
San Francisco Shopping News Company, San Francisco, Calif. Newspaper section. 387,595; May 20. Class 38.
Schenley Distillers Corporation, New York, N. Y. Whiskey, gin, rum, etc. 387,608; May 20. Class 49.
Schering Corporation, Bloomfield, N. J. Medicinal preparation. 387,548; May 20; Serial No. 439,367; published Mar. 11, 1941. Class 6.
Schumer-Friedman Corporation, New York, N. Y. Rayon, cotton wool, zephyr, chenille, and novelty yarn. 387,486; May 20; Serial No. 434,728; published Mar. 4, 1941. Class 43.
Schuylkill Chemical Company, Philadelphia, Pa. Plant stimulant. 387,567; May 20; Serial No. 439,835; published Mar. 11, 1941. Class 10.
Schwartz, Aaron. (See Robbins & Schwartz.)
Sears, Roebuck and Co., Chicago, Ill. Outer suits and trousers for men and boys. 142,753; renewed May 17, 1941.
Sears, Roebuck and Co., Chicago, Ill. Wool-batting. 143,463; renewed May 31, 1941.
Sears, Roebuck and Co., Chicago, Ill. Rugs. 387,562; May 20; Serial No. 439,634; published Mar. 11, 1941. Class 42.
Shield Foods, Inc., Buffalo, N. Y. Canned fruits and vegetables. 387,523; May 20; Serial No. 438,814; published Mar. 11, 1941. Class 46.
Silkiln Paper Corporation, San Francisco, Calif. Paper napkins. 387,500; May 20; Serial No. 436,704; published Mar. 11, 1941. Class 37.
Silverman, Sam, doing business as S. Silverman Company, Cincinnati, Ohio. Watches, clocks, and chronographs. 387,604–5; May 20. Class 27.
Sinclair Refining Company. (See Producers & Refiners Corporation, assignor.)
Sinclair Refining Company, Chicago, Ill., to Sinclair Refining Company, New York, N. Y. Lubricating oils. 146,362; renewed Sept. 6, 1941.
Sinclair Refining Company, Chicago, Ill., to Sinclair Refining Company, New York, N. Y. Petroleum products used as fuel for automobiles, etc. 146,871; renewed Sept. 20, 1941.
Sinclair Refining Company, Chicago, Ill., to Sinclair Refining Company, New York, N. Y. Lubricating-oil. 146,872; renewed Sept. 20, 1941.
Sinclair Refining Company, Chicago, Ill., to Sinclair Refining Company, New York, N. Y. Lubricating oils and greases. 146,873; renewed Sept. 20, 1941.
Sinclair Refining Company, Chicago, Ill., to Sinclair Refining Company, New York, N. Y. Lubricating oil. 146,874; renewed Sept. 20, 1941.
Sinclair Refining Company, Chicago, Ill., to Sinclair Refining Company, New York, N. Y. Kerosene. 146,875; renewed Sept. 20, 1941.
Sledge Manufacturing Co., The. (See Moore Grocery Co.)
Smith, George L., Rock Island, Ill. Apples. 387,515; May 20; Serial No. 438,219; published Mar. 11, 1941. Class 46.
Spalding Sales Corporation, Chicopee, Mass. Golf clubs. 387,521; May 20; Serial No. 438,634; published Mar. 11, 1941. Class 22.
Springfield Leather Products Company, The, Springfield, Ohio. Billfolds. 387,568; May 20; Serial No. 439,842; published Mar. 11, 1941. Class 3.
Stanco Incorporated. (See Peterman, Wm., Inc., assignor.)

Steinberg, Arthur, Philadelphia, Pa. Hemostatic preparations. 387,469; May 20; Serial No. 413,084; published Jan. 9, 1940. Class 6.
Stern's Famous Barbecue, Ltd., Los Angeles, Calif. Barbecue sauce. 387,589; May 20. Class 46.
Stone Mill Fabrics Corporation, New York, N. Y. Fabrics of the type known as poplins. 387,475; May 20; Serial No. 427,728; published Mar. 11, 1941. Class 42.
Storkline Furniture Corporation. (See Glass Novelty Company, The.)
Styron-Beggs Company, The, Newark, Ohio. Oils for food flavoring purposes and food flavoring extracts. 387,488; May 20; Serial No. 434,852; published Mar. 11, 1941. Class 46.
Superior Paper Products Company, Robinson Township, Allegheny County, Pa. Corrugated-paper shipping containers. 387,542; May 20; Serial No. 439,257; published Mar. 11, 1941. Class 2.
Tersch Patents and Chemicals, Inc., New York, N. Y. Insecticides. 387,541; May 20; Serial No. 439,243; published Mar. 11, 1941. Class 6.
Thlinket Packing Corporation, Portland, Oreg., assignor, by mesne assignments, to P. E. Harris & Co., Seattle, Wash. Canned fish. 141,058; renewed Apr. 5, 1941.
Thlinket Packing Corporation, Portland, Oreg., assignor, by mesne assignments, to Alaska Pacific Salmon Company, Seattle, Wash. Canned fish. 141,059; renewed Apr. 5, 1941.
Thlinket Packing Corporation, Portland, Oreg., assignor, by mesne assignments, to Alaska Pacific Salmon Company, Seattle, Wash. Canned fish. 141,061; renewed Apr. 5, 1941.
Thlinket Packing Corporation, Portland, Oreg., assignor, by mesne assignments, to P. E. Harris & Co., Seattle, Wash. Canned fish. 141,695; renewed Apr. 26, 1941.
True Fruit Concentrate Co. (See Comyns, Erle J.)
Tweedie, Charles, Jefferson City, Mo. Hand protectors for use by golfers and others. 387,570; May 20; Serial No. 439,881; published Mar. 11, 1941. Class 22.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Yarns. 387,527. May 20; Serial No. 438,967; published Mar. 4, 1941. Class 43.
Ulrich, William P., Spokane, Wash. Baseball game comprising a deck of cards. 387,563; May 20; Serial No. 439,644; published Mar. 11, 1941. Class 22.
United Shoe Machinery Corporation, Boston, Mass. Eyelets. 387,522; May 20; Serial No. 438,782; published Mar. 11, 1941. Class 13.
Victore, Albert E., assignor to Nylon-Nene Manufacturing Co., Not Inc., Chicago, Ill. Cleaner for fabrics. 387,497. May 20; Serial No. 435,990; published Mar. 11, 1941. Class 4.
Waterbury Felt Company, The, Skaneateles Falls, N. Y. Paper-maker's woolen felts and jackets. 144,968; renewed July 19, 1941.
Weinstein Co., Inc., San Francisco, Calif. Hosiery, pajamas, nightgowns, etc. 387,569; May 20; Serial No. 439,851; published Mar. 11, 1941. Class 39.
Wenzel, H., Tent & Duck Company, St. Louis, Mo. Treated tarpaulins, truck covers, wagon covers, tents, etc. 387,517; May 20; Serial No. 438,365; published Mar. 11, 1941. Class 50.
Whittall, M. J., Associates, assignor to M. J. Whittall Associates, Inc., Worcester, Mass. Wiltons, Brussels, and plush rugs and carpets. 146,626; renewed Sept. 13, 1941.
Wigler, Albert I., doing business as Addison-Proctor Company, Newark, N. J. Belt dressing, dry cleaner preparation, hand soap cleaner, etc. 387,502; May 20; Serial No. 436,785; published Mar. 11, 1941. Class 4.
Wihorr Canning Company, The, Circleville, Ohio. Canned vegetables. 387,593; May 20. Class 46.
Wilson, George C., assignor to The Wilson Chemical Company, Inc., Tyrone, Pa. Laxative pills. 142,176; renewed May 3, 1941.
Wilson, George C., assignor to The Wilson Chemical Company, Inc., Tyrone, Pa. Salve. 143,224; renewed May 24, 1941.
Withington Company, Providence, R. I. Bacon and ham. 387,492; May 20; Serial No. 435,106; published Feb. 25, 1941. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Hops. Burger Bros. Company. 142,951; renewed May 24, 1941.
Leather. Amalgamated Leather Companies, Inc. 145,592; renewed Aug. 16, 1941.
Mice. R. B. Jackson. 387,519; May 20; Serial No. 438,618; published Mar. 11, 1941.
Pulverized calcium carbonate. Alabama Marble Company. 387,599; May 20.
Rubber latex in natural, dilute, or concentrate form. General Latex and Chemical Corporation. 387,530; May 20; Serial No. 439,020; published Mar. 11, 1941.
Wool-batting. Sears, Roebuck and Co. 143,463; renewed May 31, 1941.

CLASS 2

Containers, Corrugated-paper shipping. Superior Paper Products Company. 387,542; May 20; Serial No. 439,257; published Mar. 11, 1941.
Dishes. Paper food. Berst-Forster-Dixfield Company. 387,561; May 20; Serial No. 439,575; published Mar. 11, 1941.

CLASS 3

Billfolds. Springfield Leather Products Company. 387,568; May 20; Serial No. 439,842; published Mar. 11, 1941.
Handbags. Goldsmith Brothers Manufacturing Co. 387,583; May 20; Serial No. 440,091; published Mar. 11, 1941.
Handbags and pocketbooks. Lesser Bag Inc. 387,573; May 20; Serial No. 439,940; published Mar. 11, 1941.

CLASS 4

Abrasive insets or segments for refiners or other grinding apparatus for paper fibers or pulp. Paper and Industrial Appliances, Inc. 387,516; May 20; Serial No. 438,350; published Mar. 11, 1941.
Cleaner for fabrics. A. E. Victore. 387,497; May 20; Serial No. 435,990; published Mar. 11, 1941.
Dressing, dry cleaner preparation, hand soap cleaner, etc., Belt. A. I. Wigler. 387,502; May 20; Serial No. 436,785; published Mar. 11, 1941.
Soaps and a cleaning powder. Hall-Watson Company. 387,544; May 20; Serial No. 439,274; published Mar. 11, 1941.
Washing fluid. R. Patti. 387,484; May 20; Serial No. 434,159; published Mar. 11, 1941.

CLASS 6

Alkalizing preparation, Systemic. Alba Pharmaceutical Company. 387,571; May 20; Serial No. 439,916; published Mar. 11, 1941.
Ammonia and bluing. Wm. Montgomery Company. 387,547; May 20; Serial No. 439,309; published Mar. 11, 1941.
Analgesic and stimulating antiseptic ointment. J. E. Jacobson. 141,579; renewed Apr. 26, 1941.
Brilliantine, face-powder, face-cream, etc. Cheramy, Inc. 146,966; renewed Sept. 27, 1941.
Carbon black for use in rubber industry. Binney & Smith Company. 387,551–2; May 20; Serial Nos. 439,404–5; published Mar. 11, 1941.
Castor-oil. Spencer Kellogg and Sons, Inc. 147,004; renewed Sept. 27, 1941.
Chemical preparation. Arkansas Company. 387,532; May 20; Serial No. 439,065; published Mar. 11, 1941.
Chemical preparation for textile fabrics, and a vehicle for rendering colors fast. Special. H. W. Featherstone. 387,546; May 20; Serial No. 439,305; published Mar. 11, 1941.
Chemicals, Photographic. Eastman Kodak Company. 387,535; May 20; Serial No. 439,097; published Mar. 11, 1941.
Color, Butter. Chr. Hansen's Laboratory, Inc. 146,762; renewed Sept. 20, 1941.
Colors, Food. Chr. Hansen's Laboratory, Inc. 146,763; renewed Sept. 20, 1941.
Cream, Cosmetic. H. Baack. 387,576; May 20; Serial No. 439,958; published Mar. 11, 1941.
Cream, Cosmetic. Ethel Bellamy, Inc. 387,597; May 20.
Dentifrice. H. L. Mack. 387,580; May 20; Serial No. 440,012; published Mar. 11, 1941.
Dyestuffs. E. I. du Pont de Nemours and Company. 143,588–92; renewed June 7, 1941.
Hair-restorer. R. J. Arata. 145,927; renewed Aug. 23, 1941.
Hair rinse preparation. C. B. Nessler Co. 387,479; May 20; Serial No. 432,003; published July 30, 1940.
Hemostatic preparations. A. Steinberg. 387,469; May 20; Serial No. 413,084; published Jan. 9, 1940.
Insecticide. Wm. Peterman Inc. 142,088; renewed May 3, 1941.
Insecticides. Tersch Patents and Chemicals Inc. 387,541; May 20; Serial No. 439,243; published Mar. 11, 1941.
Laundry blue. Reckitts (U. S. A.), Ltd. 140,945; renewed Mar. 29, 1941.
Laxative pills. G. C. Wilson. 142,176; renewed May 3, 1941.
Lipsticks. H. Rubenstein, Inc. 387,555; May 20; Serial No. 439,419; published Mar. 11, 1941.
Lipsticks, rouges, mascara, etc. Affiliated Products, Inc. 387,588; May 20.
Lotions, creams, chemically treated pads, etc. Clairol, Inc. 387,490–1; May 20; Serial Nos. 434,969–70; published Mar. 11, 1941.
Medicinal preparation. Optimus Pharmaceuticals Company. 387,537; May 20; Serial No. 439,122; published Mar. 11, 1941.
Medicinal preparation. Schering Corporation. 387,548; May 20; Serial No. 439,367; published Mar. 11, 1941.

Medicines to be applied to eyebrows when plucking. V. C. Baldwin. 387,606; May 20.
Ointment for the treatment of mange in animals. Goodwinol Products Corporation. 387,585; May 20; Serial No. 440,122; published Mar. 11, 1941.
Powder for vaginal irrigation. M. W. Rothenburg. 387,581; May 20; Serial No. 440,024; published Mar. 11, 1941.
Preparation for treatment of bruises, burns, scalds, etc. E. C. De Witt Co. Inc. 145,045; renewed Aug. 23, 1941.
Salve for the skin and mucous membrane. G. C. Wilson. 143,224; renewed May 24, 1941.
Shampoo tint, skin lotion, and powder base. Rap-I-Dol Distributing Corporation. 387,538; May 20; Serial No. 439,175; published Mar. 11, 1941.
Toilet water, eau de cologne, perfumes, etc. F. Koenigsberger. 387,554; May 20; Serial No. 439,414; published Mar. 11, 1941.
Vitamin capsules and tablets. Freeda Agar Products. 387,556; May 20; Serial No. 439,438; published Mar. 11, 1941.
Vitamin tablets. George A. Breon & Company. 387,586; May 20; Serial No. 440,144; published Mar. 11, 1941.

CLASS 10

Plant stimulant. Schuylkill Chemical Company. 387,567; May 20; Serial No. 439,835; published Mar. 11, 1941.

CLASS 11

Carbon papers and typewriter ribbons. Kee Lox Manufacturing Company. 387,505–6; May 20; Serial Nos. 437,374–5; published Mar. 4, 1941.
Carbon papers and typewriter ribbons. Kee Lox Manufacturing Company. 387,507–8; May 20; Serial Nos. 437,378–9; published Mar. 4, 1941.
Carbon papers and typewriter ribbons. Kee Lox Manufacturing Company. 387,509–10; May 20; Serial Nos. 437,382–3; published Mar. 4, 1941.
Inks. National Marking Machine Company. 140,658–9; renewed Mar. 22, 1941.
Inks and dryers for printing inks. Printing. Barta-Griffin Company. 387,487; May 20; Serial No. 434,773; published Mar. 11, 1941.
Inks, extenders, and pigments, Printing and lithographing. Harris-Seybold-Potter Company. 387,528; May 20; Serial No. 438,983; published Mar. 11, 1941.

CLASS 12

Cement blocks. Ideal Cement Stone Company. 145,697; renewed Aug. 16, 1941.

CLASS 13

Clothesline-posts of metal. Pfaff & Kendall. 140,934; renewed Mar. 29, 1941.
Eyelets. United Shoe Machinery Corporation. 387,522; May 20; Serial No. 438,782; published Mar. 11, 1941.
Shower curtains. National Carbon Company. 387,575; May 20; Serial No. 438,956; published Mar. 11, 1941.
Welding electrodes, Metallic. Lincoln Electric Company. 387,598; May 20.

CLASS 15

Gasolene, kerosene, and lubricating oil. Producers & Refiners Corporation. 142,319; renewed May 10, 1941.
Kerosene. Sinclair Refining Company. 146,875; renewed Sept. 20, 1941.
Lubricating oil. Sinclair Refining Company. 146,874; renewed Sept. 20, 1941.
Oil, Lubricating. Sinclair Refining Company. 146,872; renewed Sept. 20, 1941.
Oils and greases. Phinny Brothers Company. 145,778; renewed Aug. 16, 1941.
Oils and greases, Lubricating. Sinclair Refining Company. 146,873; renewed Sept. 20, 1941.
Oils, Lubricating. Sinclair Refining Company. 146,362; renewed Sept. 6, 1941.
Petroleum products used as fuel for automobiles, etc. Sinclair Refining Company. 146,871; renewed Sept. 20, 1941.

CLASS 16

Paint enamels. Ferro Enamel Corporation. 387,511; May 20; Serial No. 437,813; published Feb. 18, 1941.
Wax, lacquer and terrazzo seal, Self-polishing. Hall-Watson Company. 387,543; May 20; Serial No. 439,273; published Mar. 11, 1941.

CLASS 19

Airplanes. Engineering and Research Corporation. 387,495; May 20; Serial No. 435,839; published Mar. 11, 1941.
Trailers. Reliance Trailer and Truck Company. 140,527; renewed Mar. 15, 1941.

CLASS 21

Electric flatirons. Chicago Flexible Shaft Company. 145,335; renewed Aug. 2, 1941.

CLASS 22

Baseball game comprising a deck of cards. W. P. Ulrich. 387,563; May 20; Serial No. 439,644; published Mar. 11, 1941.

Fish hooks. O. Mustad & Sön. 387,473; May 20; Serial No. 426,212; published Mar. 11, 1941.
Game, Table. Milton Bradley Company. 387,584; May 20; Serial No. 440,113; published Mar. 11, 1941.
Game played with movable pieces, Board. W. F. Otte. 387,582; May 20; Serial No. 440,054; published Mar. 11, 1941.
Golf clubs. Spalding Sales Corporation. 387,521; May 20; Serial No. 438,634; published Mar. 11, 1941.
Protectors for use by golfers and others, Hand. C. Tweedie. 387,570; May 20; Serial No. 439,881; published Mar. 11, 1941.

CLASS 23

Leather goods for use in loom and textile machinery. John Ormerod and Sons Limited. 140,919; renewed Mar. 29, 1941.
Telescopic and non-telescopic stationary hoists, and heads, jibs, and other parts and accessories therefor. Gillis & Geoghegan. 143,954; renewed June 21, 1941.

CLASS 27

Watches, clocks, and chronographs. S. Silverman. 387,604–5; May 20.

CLASS 28

Jewelry, match-cases, and purses. Karpeles Company. 139,999; renewed Mar. 1, 1941.

CLASS 32

Furniture and mattresses. J. E. Blatchford. 387,483; May 20; Serial No. 433,088; published Sept. 3, 1940.
Medicine-cabinets, baby-bassinets, children's dressers, chiffoniers, chiffonettes, etc. Glass Novelty Company. 144,237; renewed June 28, 1941.
Springs, Vehicle seat and furniture. Royersford Spring Company. 387,565; May 20; Serial No. 439,668; published Mar. 11, 1941.

CLASS 34

Heaters, water storage heaters and their structural parts, Hot water. Cleveland Heater Company. 387,470; May 20; Serial No. 413,774; published Mar. 11, 1941.

CLASS 35

Fabric fire-hose. Chas. Niedner's Sons Company. 145,761; renewed Aug. 16, 1941.
Seals, Oil and grease. Otto Items, Inc. 387,482; May 20; Serial No. 433,983; published Oct. 8, 1940.
Tires. Master Tire and Rubber Company. 142,615; renewed May 17, 1941.

CLASS 37

Paper napkins. Silklin Paper Corporation. 387,500; May 20; Serial No. 436,704; published Mar. 11, 1941.
Papers, Coated. Fox River Paper Corporation. 387,590; May 20.
Pencils, Lead. Eagle Pencil Company. 387,524; May 20; Serial No. 438,835; published Mar. 11, 1941.
Pens, Fountain. L. Morrison. 387,493; May 20; Serial No. 435,664; published Jan. 28, 1941.

CLASS 38

Newspaper section. San Francisco Shopping News Company. 387,595; May 20.
Periodical. Farrell Publishing Corporation. 387,591; May 20.
Periodical. A. Hoeppel. 387,602; May 20.
Publication. Fawcett Publications, Inc. 387,601; May 20.
Periodical published monthly. Atlantic Monthly Company. 143,895; renewed June 21, 1941.
Stamps, Trading. Browning & Sanders. 136,764; renewed Nov. 9, 1940.

CLASS 39

Blouses, dresses, housecoats, etc. Mitchell & Weber, Inc. 387,559; May 20; Serial No. 439,487; published Mar. 11, 1941.
Dresses. Dutchess Underwear Corporation. 387,480; May 20; Serial No. 432,433; published Mar. 11, 1941.
Dresses. M. Isaac. 387,504; May 20; Serial No. 437,090; published Mar. 11, 1941.
Dresses and dress ensembles. Annetta Dresses Inc. 387,498; May 20; Serial No. 436,492; published Mar. 11, 1941.
Garments—namely, bathing suits, underwear, corsets, etc. Pacific Knitting Mills, Incorporated. 387,512; May 20; Serial No. 438,051; published Mar. 11, 1941.
Girdles, corsets, and foundation garments. I. B. Kleinert Rubber Company. 387,540; May 20; Serial No. 439,199; published Mar. 11, 1941.
Gloves. Knoxville Glove Company. 387,545; May 20; Serial No. 439,284; published Mar. 11, 1941.
Hair-nets. Robbins & Schwartz. 141,666; renewed Apr. 26, 1941.
Hats. Frank H. Lee Company. 387,477; May 20; Serial No. 431,063; published Mar. 11, 1941.
Hats. H. S. Morand. 145,750; renewed Aug. 16, 1941.
Hosiery, pajamas, nightgowns, etc. Weinstein Co. 387,569; May 20; Serial No. 439,851; published Mar. 11, 1941.

Overalls and playsuits. Moore Grocery Co. 387,566; May 20; Serial No. 439,760; published Mar. 11, 1941.
Panties, slips, bloomers, etc. Krumholz & Lichtblau. 387,525; May 20; Serial No. 438,846; published Mar. 11, 1941.
Scarfs. Brian Fabrics Corporation. 387,553; May 20; Serial No. 439,406; published Mar. 11, 1941.
Shoes. Mosinger Brothers. 387,494; May 20; Serial No. 435,725; published Mar. 11, 1941.
Shoes made of leather. G. Burkman. 145,620; renewed Aug. 16, 1941.
Suits, Outer. Sears, Roebuck and Co. 142,753; renewed May 17, 1941.
Suits, overcoats, topcoats, etc. Blankson Clothes, Inc. 387,533; May 20; Serial No. 439,090; published Mar. 11, 1941.
Underwear. Boston Knitting Mills, Inc. 387,560; May 20; Serial No. 439,511; published Mar. 11, 1941.

CLASS 40

Clasps, barrettes, combs, etc., Hair. Injection Moulding Corporation. 387,478; May 20; Serial No. 431,247; published Mar. 11, 1941.
Dress braids, textile tapes, hair clips, etc. John Lawrie & Sons. 387,587; May 20.
Dress shields. Rand Rubber Company. 387,592; May 20.

CLASS 42

Blankets. J. C. Penney Company. 387,550; May 20; Serial No. 439,397; published Mar. 11, 1941.
Carpets and rugs. Mohawk Carpet Mills, Inc. 387,574; May 20; Serial No. 439,943; published Mar. 11, 1941.
Cotton and linen piece goods. H. Lubow. 387,564; May 20; Serial No. 439,659; published Mar. 11, 1941.
Cotton piece goods. J. C. Penney Company. 387,579; May 20; Serial No. 439,973; published Mar. 11, 1941.
Fabrics in the piece. Samuel Ehrman Co. 387,549; May 20; Serial No. 439,386; published Mar. 11, 1941.
Fabrics of the type known as poplins. Stone Mill Fabrics Corporation. 387,475; May 20; Serial No. 427,728; published Mar. 11, 1941.
Piece goods. Celanese Corporation of America. 387,572; May 20; Serial No. 439,925; published Mar. 11, 1941.
Piece goods. Eastman Kodak Company. 387,534; May 20; Serial No. 439,096; published Mar. 4, 1941.
Piece goods, Wool and cotton. William Hollins & Co., Limited. 140,831; renewed Mar. 29, 1941.
Rugs. Sears, Roebuck and Co. 387,562; May 20; Serial No. 439,634; published Mar. 11, 1941.
Rugs and carpets. M. J. Whittall Associates. 146,626; renewed Sept. 13, 1941.

CLASS 43

Yarn, Rayon, cotton, wool, zephyr, chenille and novelty. Senumer-Friedman Corporation. 387,486; May 20; Serial No. 434,728; published Mar. 4, 1941.
Yarns. Bernhard Ulmann Co. Inc. 387,527; May 20; Serial No. 438,967; published Mar. 4, 1941.

CLASS 44

Pads for application to the hair, Permanent waving. Arlette, Inc. 387,557; May 20; Serial No. 439,453; published Mar. 11, 1941.
Tongue depressors coated with candy. Cerevim Products Corporation. 387,590; May 20.

CLASS 45

Ale, Ginger. H. L. Millis. 19,634; re-renewed June 2, 1941.
Beverage, and sirup and extract for making same, Maltless. Drink-Mor Beverage Company. 387,476; May 20; Serial No. 427,929; published Apr. 2, 1940.
Beverage and sirup and extract for making the same. Foote & Jenks, Inc. 387,577; May 20; Serial No. 439,964; published Mar. 11, 1941.
Beverages. D. Karavedas. 387,578; May 20; Serial No. 439,967; published Mar. 11, 1941.

CLASS 46

Apples. G. L. Smith. 387,515; May 20; Serial No. 439,219; published Mar. 11, 1941.
Bacon and ham. Withington Company. 387,492; May 20; Serial No. 435,106; published Feb. 25, 1941.
Candies and chocolates, Home-made. W. H. Gates. 140,808; renewed Mar. 29, 1941.
Candies, chocolates, jams and jellies. D. Goldstein. 387,474; May 20; Serial No. 426,614; published Mar. 11, 1941.
Candies, Hard. Hardie Bros. Co. Inc. 141,134; renewed Apr. 12, 1941.
Candy. Euclid Candy Company of California, Inc. 387,603; May 20.
Canned evaporated milk. Grove Milk Company. 387,489; May 20; Serial No. 434,893; published Mar. 11, 1941.
Canned fish. Thlinket Packing Corporation. 141,058; renewed Apr. 5, 1941.
Canned fish. Thlinket Packing Corporation. 141,059; renewed Apr. 5, 1941.
Canned fish. Thlinket Packing Corporation. 141,061; renewed Apr. 5, 1941.
Canned fish. Thlinket Packing Corporation. 141,695; renewed Apr. 26, 1941.
Canned fruit juices. Hawaiian Pineapple Company. 387,468; May 20; Serial No. 410,787; published Mar. 11, 1941.
Canned fruits and vegetables. Shield Foods, Inc. 387,523; May 20; Serial No. 438,814; published Mar. 11, 1941.
Canned fruits, cocktail, etc. Barron-Gray Packing Company. 387,607; May 20.
Canned vegetable oil for cooking use. Gem Packing Corporation. 387,529; May 20; Serial No. 439,016; published Mar. 11, 1941.
Canned vegetables. Winorr Canning Company. 387,593; May 20.
Canned vegetables and canned tomato paste. Riverbank Canning Company. 387,520; May 20; Serial No. 438,629; published Mar. 11, 1941.
Cantaloups. Half Moon Fruit & Produce Co. 141,570; renewed Apr. 26, 1941.
Cheese. Cooperatieve Producten Handelsvereeniging. 139,126; renewed Jan. 25, 1941.
Chocolate flavored powder. Curtiss Candy Company. 387,499; May 20; Serial No. 436,504; published Mar. 11, 1941.
Confections, Frozen. Joe Lowe Corporation. 387,513; May 20; Serial No. 438,076; published Mar. 11, 1941.
Extracts for food-flavoring purposes. Foote and Jenks. 141,550; renewed Apr. 26, 1941.
Extracts of barley-malt. Burger Bros. Company. 142,564; renewed June 7, 1941.
Fish conserves. E. S. Lacasta. 387,481; May 20; Serial No. 432,645; published Mar. 11, 1941.
Flour, Wheat. Centennial Mill Company of Tenn. 140,769; renewed Mar. 29, 1941.
Food, Dog. General Laboratories, Inc. 387,536; May 20; Serial No. 439,102; published Mar. 11, 1941.
Foods, Prepared. A. Bassetti. 387,485; May 20; Serial No. 434,695; published Mar. 11, 1941.
Fresh deciduous and vinous fruits. Atwater Fruit Exchange. 143,541; renewed June 7, 1941.
Frozen fish, salt fish, and smoked fish. Canadian Fish & Cold Storage Co., Limited. 143,567; renewed June 7, 1941.
Fruits, Citrus. Anaheim Citrus Fruit Association. 146,679; renewed Sept. 20, 1941.
Fruits, Citrus. Donna Citrus Association. 387,501; May 20; Serial No. 436,759; published Mar. 11, 1941.
Fruits, citrus. Fugazzi-Pinellas Groves Co. 387,600; May 20.
Gelatin desserts. E. J. Comyns. 387,496; May 20; Serial No. 435,866; published Mar. 11, 1941.
Oatmeal. Purity Oats Company, Branch of American Hominy Company. 143,142; renewed May 24, 1941.
Oils for food flavoring purposes and food flavoring extracts. Styron-Beggs Company. 387,488; May 20; Serial No. 434,852; published Mar. 11, 1941.
Peanut butter. Jewett & Sherman Company. 387,472; May 20; Serial No. 424,132; published July 9, 1940.
Potatoes in their natural state. Idaho Falls Warehouse Company. 387,514; May 20; Serial No. 438,136; published Mar. 11, 1941.
Poultry feed. J. Miller Co. 147,002; renewed Sept. 27, 1941.
Salads with dressing added. Hakans Food Co. 387,502; May 20; Serial No. 436,845; published Mar. 11, 1941.
Sauce, Barbecue. Stern's Famous Barbecue, Ltd. 387,589; May 20.
Shortening, Vegetable. Lever Brothers Company. 387,467; May 20; Serial No. 401,441; published Mar. 11, 1941.
Syrup, Table. Penick & Ford, Ltd. Incorporated. 387,558; May 20; Serial No. 439,470; published Mar. 11, 1941.
Wheat-flour. Amendt Milling Company. 142,915; renewed May 24, 1941.
Wheat-flour, Self-rising. Portland Flouring Mills Co. 146,125; renewed Aug. 30, 1941.

CLASS 47

Wines. Acme Distributing Co. 387,539; May 20; Serial No. 439,184; published Mar. 11, 1941.
Wines. Petri Cigar Company. 387,531; May 20; Serial No. 439,055; published Mar. 11, 1941.

CLASS 49

Distilled alcoholic liquors. L. E. Jung & Wulff Co. 387,526; May 20; Serial No. 438,886; published Mar. 11, 1941.
Gin and whiskey. Gristede Bros. Inc. 387,471; May 20; Serial No. 417,456; published Mar. 11, 1941.
Whiskey, gin, rum, etc. Schenley Distiller Corporation. 387,608; May 20.
Whiskies, rums, gins, etc. Kraus Bros. & Co. 387,609–10; May 20.
Tarpaulins, truck covers, wagon covers, tents, etc., Treated. H. Wenzel Tent & Duck Company. 387,517; May 20; Serial No. 438,365; published Mar. 11, 1941.
Bottle stoppers. Moeller Mfg. Co. 387,594; May 20.
Signs affixed to permanent supports and used as road markers, Metal. F. W. Hockaday. 140,830; renewed Mar. 29, 1941.
Woolen felts and jackets, Paper makers. Waterbury Felt Company. 144,968; renewed July 19, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF MAY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bailey Meter Company. (See Gorrie, Harvard H., assignor.)
Carr, Richard H. (See Wagner, C. R., and Carr.)
Easy Washing Machine Corporation. (See Scheele, Charles C., assignor.)
Gorrie, Harvard H., Cleveland Heights, assignor to Bailey Meter Company. Control system. Re. 21,804; May 20.
Greaves, Valentine F., Oakland, Calif. Combination container and ejector. Re. 21,805; May 20.
Johnson, Manfred J., assignor of one-half to The Lewis Engineering Company, Naugatuck, Conn. Light valve control. Re. 21,806; May 20.
Lewis Engineering Company, The. (See Johnson, Manfred J., assignor.)
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency control. Re. 21,807; May 20.
Pure Oil Company, The. (See Wagner, C. R., and Carr, assignors.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)
Scheele, Charles C., assignor to Easy Washing Machine Corporation, Syracuse, N. Y. Ironing machine. Re. 21,808; May 20.
Wagner, Cary R., and Richard H. Carr, assignor to The Pure Oil Company, Chicago, Ill. Method and apparatus for water-drive production of mineral oil. Re. 21,809; May 20.

LIST OF PLANT PATENTEES

Conard-Pyle Company, The. (See de Vink, John, assignor.)
De Vink, John, Boskoop, Netherlands, assignor to The Conard-Pyle Company, West Grove, Pa. Rose plant. 466; May 20.

LIST OF DESIGN PATENTEES

Amen, Vivian, New York, N. Y. Dress. 127,339; May 20.
American Airlines, Inc. (See Laraway, Lester H., assignor.)
Anderson, Clarence S., assignor to New Monarch Machine & Stamping Co., Des Moines, Iowa. Combined display rack and holder, for brooms, mops, or the like. 127,266; May 20.
Andrews, Morse, Co. (See Morse, William J., assignor.)
Armstrong, George A., Edgewood R. I., assignor to William C. Greene Company. Alphabet for forming monograms or similar article. 127,290; May 20.
Barnes, Julius C., assignor to Columbus Iron Works Co., Columbus, Ga. Laundry heater. 127,314; May 20.
Bausch & Lomb Optical Company. (See Bouchard, Samuel E., assignor.)
Beverage Products Corporation. (See Hirsch, Nicholas W., assignor.)
Black, Kathryn, Seattle, Wash. Perfume box. 127,315; May 20.
Block, Richard G., Los Angeles, Calif. Flower container. 127,291; May 20.
Boardman, Harry C., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Sheet metal pressure container for gases, volatile liquids and the like. 127,267; May 20.
Boardman, Harry C., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Sheet metal pressure container for gases, volatile liquids and the like. 127,268; May 20.
Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Reading glass. 127,366; May 20.
Bratt, Bert J., Chicago, Ill. Set of game pieces. 127,316; May 20.
Briggs, C. A., Company. (See Briggs, Charles A., assignor.)
Briggs, Charles A., Norwood, assignor to C. A. Briggs Company, Cambridge, Mass. Combined container and lollipop display. 127,292; May 20.
Bruce, Leo I., Framingham, Mass., assignor to General Electric Company. Clock case. 127,367; May 20.
Cairns, Edward, Montclair, N. J. Fireman's helmet or similar article. 127,404; May 20.
Carbotti, Marie, New York, N. Y. Dress. 127,340; May 20.
Carbotti, Marie, New York, N. Y. Dress. 127,341; May 20.
Carbotti, Marie, New York, N. Y. Dress. 127,342; May 20.
Carbotti, Marie, New York, N. Y. Dress. 127,343; May 20.
Cashin, Bonnie, New York, N. Y. Dress. 127,344; May 20.
Cashin, Bonnie, New York, N. Y. Dress. 127,345; May 20.
Caston, Louise, Flushing, N. Y. Wrap aronnd dress. 127,368; May 20.
Chambers, Joseph A., Memphis, Tenn. Building. 127,293; May 20.
Chan, Joe, New York, N. Y. Badge or similar article. 127,269; May 20.
Chicago Bridge & Iron Company. (See Boardman, Harry C., assignor.)
Claspy, Hugh J., assignor to The Phoenix Glass Company, Monaca, Pa. Fluorescent lighting fixture. 127,391; May 20.
Clion, William, Brooklyn, N. Y. Dress. 127,346; May 20.
Close, Wilmot S., Mountain Lakes, N. J. Page for a loose-leaf cash book. 127,317; May 20.
Cohn-Hall-Marx Co. (See Morris, Julia, assignor.)
Cohn, Leon, Hopewell, N. J. Spoon. 127,369; May 20.
Collat, Edgar, Shorewood, Wis. Ash receiver. 127,294; May 20.
Collins & Aikman Corporation. (See Lambert, Emil, assignor.)
Columbus Iron Works Co. (See Barnes, Julius C., assignor.)
Continental Machines, Incorporated. (See Wilkie, Robert J., assignor.)
Continental Music Company. (See Soprani, Mario, assignor.)
Douglas, Mary, Inc. (See Hartvig, Louise M., assignor.)
Durden, James E., Los Angeles, Calif. Toy aeroplane. 127,318; May 20.
Engler, James W., Atlanta, Ga. Pair of spectacles. 127,270; May 20.
Eureka Vacuum Cleaner Company. (See Walker, George W., assignor.)
Farrell, Frank G., Wayne, Pa. Game board. 127,319; May 20.
Fauth, Jay M., New York, N. Y. Dress. 127,415; May 20.
Fauth, Jay M., New York, N. Y. Dress. 127,416; May 20.
Fauth, Jay M., New York, N. Y. Dress. 127,417; May 20.
Fauth, Jay M., New York, N. Y. Dress. 127,418; May 20.
Fauth, Jay M., New York, N. Y. Dress. 127,419; May 20.
Fauth, Jay M., New York, N. Y. Dress. 127,420; May 20.
Fee and Stemwedel, Inc. (See MacCowan, Hervey L., assignor.)
Feldman, Manuel, New York, N. Y. Rug. 127,405; May 20.
Fields, Minna, New York, N. Y. Dress. 127,392; May 20.
Fields, Pauline E., New York, N. Y. Dress. 127,347; May 20.
Franklin, Albert W., Bronx, N. Y., assignor to Lapin Products, Inc. Tie rack. 127,295; May 20.
Froelich, Carl, New York, N. Y. Papeterie. 127,370; May 20.

Gaudiosi, Margaret, New York, N. Y. Dress. 127,421; May 20.
Gaudiosi, Margaret, New York, N. Y. Dress. 127,422; May 20.
Gaudiosi, Margaret, New York, N. Y. Dress. 127,423; May 20.
Gaudiosi, Margaret, New York, N. Y. Dress. 127,424; May 20.
Gaudiosi, Margaret, New York, N. Y. Dress. 127,425; May 20.
Gaudiosi, Margaret, New York, N. Y. Dress. 127,426; May 20.
Gaudiosi, Margaret, New York, N. Y. Dress. 127,427; May 20.
Gaudiosi, Margaret, New York, N. Y. Dress. 127,428; May 20.
Gaudiosi, Margaret, New York, N. Y. Dress. 127,429; May 20.
Gaudiosi, Margaret, New York, N. Y. Dress. 127,430; May 20.
Gayda, Lawrence J., Pittsburgh, Pa. Label blank. 127,348; May 20.
General Electric Company. (See Bruce, Leo L., assignor.)
General Electric Company. (See Petzold, William B., assignor.)
General Electric Company. (See Ralston, A. A., and Rinehart, assignors.)
Gershuny, Abe, New York, N. Y. Dress. 127,393; May 20.
Getgey, John J., assignor to Munny Manufacturing Company, Cincinnati, Ohio. Pressing device. 127,320; May 20.
Goldman, Jack, New York, N. Y. Dress. 127,349; May 20.
Greene, William C., Company. (See Armstrong, George A., assignor.)
Greenview Manufacturing Company, The. (See Siemund, Herman, assignor.)
Gustkey, Carl W., Wheeling, W. Va., assignor to Imperial Glass Corporation, Bellaire, Ohio. Comport or similar article. 127,271; May 20.
Guth, Edwin F., St. Louis, Mo. Light diffuser. 127,394; May 20.
Halloway, Bernice, New York, N. Y. Dress. 127,350; May 20.
Hannah, Fritzie, New York, N. Y. Dress. 127,395; May 20.
Hartvig, Louise M., assignor to Mary Douglas, Inc., New York, N. Y. Sachet. 127,321; May 20.
Hindu Incense Manufacturing Co. (See Rebechini, Guido, assignor.)
Hirsch, Nicholas W., assignor to Beverage Products Corporation, Philadelphia, Pa. Statuette or similar article. 127,272; May 20.
Hitt, Lloyd H., Pocahontas, Ark. Building. 127,322; May 20.
Hochriem, Gustav F., Chicago, Ill. Combined weighing scale and safety brackets. 127,351; May 20.
Hommer, Julius, Newark, N. J., assignor to Lapin Products, Inc., New York, N. Y. Sun glasses. 127,371; May 20.
Hubbard, Don C., Auburn, Maine. Shoe sole. 127,273; May 20.
Hunniford, James G., assignor to Paroma Draperies, Inc., New York, N. Y. Curtain fabric. 127,372; May 20.
Hunter-Hartman Corp. (See Hunter, Lee, Jr., assignor.)
Hunter, Lee, Jr., University City, assignor to Hunter-Hartman Corp., St. Louis, Mo. Wheel balancing machine. 127,396; May 20.
Ideal Tooth Incorporated. (See Purcell, Joseph M., assignor.)
Imperial Glass Corporation. (See Gustkey, Carl W., assignor.)
Johnson, Lawrence N., Chicago, Ill. Combination eye and ear shield. 127,373; May 20.
Johnston, Charles F., Beaver, assignor to The Phoenix Glass Company, Monaca, Pa. Fluorescent lighting fixture. 127,397; May 20.
Jordan, James E., Aliquippa, assignor to The Phoenix Glass Company, Monaca, Pa. Fluorescent lighting fixture. 127,374; May 20.
Jordan, James E., Aliquippa, assignor to The Phoenix Glass Company, Monaca, Pa. Fluorescent lighting fixture. 127,398; May 20.
Karoff, Robert B., New York, N. Y. Perfume container or similar article. 127,296; May 20.
Knapp, Andrew S., assignor to Knapp-Monarch Company, St. Louis, Mo. Electric stove. 127,323; May 20.
Knapp-Monarch Company. (See Knapp, Andrew S., assignor.)
Kohler, Herbert V., and Carl W. Zillier, Kohler, Wis. Lavatory. 127,274; May 20.
Lambert, Emil, Farnham, Quebec, Canada, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Textile fabric. 127,435; May 20.
Lapin Products, Inc. (See Franklin, Albert W., assignor.)
Lapin Products, Inc. (See Hommer, Julius.)
Laraway, Lester H., Phoenix, Ariz., assignor to American Airlines, Inc., New York, N. Y. Store front. 127,275; May 20.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 127,297; May 20.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 127,298; May 20.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 127,299; May 20.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 127,300; May 20.
Leigh, Cyril W., East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y. Plate or similar article. 127,352; May 20.
Leser, Wayne, South Ozone Park, N. Y. Air finned smoking pipe. 127,324; May 20.
Lindfelt, Edward C., Des Moines, Iowa. Hood. 127,436; May 20.
Lombard, Ralph S., Detroit, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 127,301; May 20.
Love, Carl, Portland, Oreg. Cigarette dispensing and display device. 127,302; May 20.
Lubin, Henry G. (See Vivaudou, J. E., and Lubin.)
MacCowan, Hervey L., Wilmette, assignor to Fee and Stemwedel, Inc., Chicago, Ill. Combined barometer, thermometer and hygrometer. 127,303; May 20.
MacCowan, Hervey L., Wilmette, assignor to Fee and Stemwedel, Inc., Chicago, Ill. Thermometer. 127,325; May 20.
Mariani, William, New York, N. Y. Dress. 127,375; May 20.
Marks, Clare H., New York, N. Y. Combined ash tray and holder for cigarettes and matches. 127,353; May 20.
McGuire, Donald E., Elwood, Ind. Floral rack. 127,304; May 20.
Medgyes, Ladislas, assignor to Helena Rubinstein, Inc., New York, N. Y. Wrapping paper or similar article. 127,431; May 20.
Michl, William, Little Ferry, N. J. Lace. 127,406; May 20.
Millers Falls Company. (See Shortell, William H., assignor.)
Minnesota Mining & Manufacturing Company. (See Reinecke, Jean O., assignor.)
Morimura Bros., Inc. (See Leigh, Cyril W., assignor.)
Morris, Julia, assignor to Cohn-Hall-Marx Co., New York, N. Y. Textile fabric or similar article. 127,407; May 20.
Morse, William J., assignor to Morse Andrews Co., Attleboro, Mass. Buckle. 127,376; May 20.
Munny Manufacturing Company. (See Getgey, John J., assignor.)
Murray-Ohio Manufacturing Company, The. (See Schreckengost, Viktor, assignor.)
Nadel, Ottilie C., New York, N. Y. Dress ensemble. 127,432; May 20.
Neff, Wallace, Hollywood, Calif. Dwelling. 127,276; May 20.
New Monarch Machine & Stamping Co. (See Anderson, Clarence S., assignor.)
Nilsen, Conrad, Mattapan, Mass. Attaching member fastener. 127,377; May 20.
Noack, William A., Los Angeles, Calif. Swivel support for ironing boards. 127,277; May 20.
Osterman, Sydney R., Chicago, Ill. Dice game board. 127,305; May 20.
Pankonin, William G., Chicago, Ill. Stapling machine. 127,378; May 20.
Paradise, Joseph A., Detroit, Mich. Combined fan and playing card holder. 127,354; May 20.
Parisson, Anton G., Pittsburgh, assignor to The Phoenix Glass Company, Monaca, Pa. Fluorescent lighting fixture. 127,379; May 20.
Paroma Draperies, Inc. (See Hunniford, James G., assignor.)
Pearce, Jewell M., Tulsa, Okla. Ash tray. 127,306; May 20.
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Rouge container. 127,326; May 20.
Philippe, Alfred, New York, N. Y. Pin clip. 127,327; May 20.
Philippe, Alfred, New York, N. Y. Pin clip. 127,328; May 20.
Philippe, Alfred, New York, N. Y. Pin clip. 127,329; May 20.
Phoenix Glass Company, The. (See Claspy, Hugh J., assignor.)
Phoenix Glass Company, The. (See Johnston, Charles F., assignor.)
Phoenix Glass Company, The. (See Jordan, James E., assignor.)
Phoenix Glass Company, The. (See Parisson, Anton G., assignor.)
Purcell, Joseph M., Brookline, assignor to Ideal Tooth Incorporated, Cambridge, Mass. Shade guide stand or similar article. 127,330; May 20.
Ralston, Albert A., and D. C. Rinehart, Fort Wayne, Ind., assignor to General Electric Company. Top, for a water cooler or similar article. 127,278; May 20.
Ramsthal, Alfred F., assignor to West Bend Aluminum Company, West Bend, Wis. Serving bowl. 127,279; May 20.

Rebechini, Guido, assignor to Hindu Incense Manufacturing Co., Chicago, Ill. Wall bracket. 127,280; May 20.
Recht, Bessie, St. Louis, Mo. Dress. 127,355; May 20.
Recht, Bessie, St. Louis, Mo. Dress. 127,356; May 20.
Recht, Bessie, St. Louis, Mo. Dress. 127,357; May 20.
Recht, Bessie, St. Louis, Mo. Dress. 127,358; May 20.
Recht, Bessie, St. Louis, Mo. Dress. 127,359; May 20.
Recht, Bessie, St. Louis, Mo. Dress. 127,380; May 20.
Recht, Bessie, St. Louis, Mo. Dress. 127,381; May 20.
Recht, Bessie, St. Louis, Mo. Dress. 127,382; May 20.
Recht, Bessie, St. Louis, Mo. Dress. 127,383; May 20.
Recht, Bessie, St. Louis, Mo. Dress ensemble. 127,384; May 20.
Recht, Bessie, St. Louis, Mo. Dress. 127,385; May 20.
Recht, Bessie, St. Louis, Mo. Dress. 127,386; May 20.
Recht, Bessie, St. Louis, Mo. Dress. 127,387; May 20.
Recht, Bessie, St. Louis, Mo. Dress. 127,399; May 20.
Reinecke, Jean O., Chicago, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Tape dispenser. 127,388; May 20.
Richards, Albert, Lowell, assignor to United Elastic Corporation, Easthampton, Mass. Elastic fabric. 127,400; May 20.
Richards, Julia, Brooklyn, N. Y. Dress. 127,360; May 20.
Richards, Julia, Brooklyn, N. Y. Dress. 127,361; May 20.
Richards, Julia, Brooklyn, N. Y. Dress. 127,362; May 20.
Richards, Julia, Brooklyn, N. Y. Dress. 127,363; May 20.
Riesenberg, Samuel, New York, N. Y. Dress. 127,389; May 20.
Riesenberg, Samuel, New York, N. Y. Dress ensemble. 127,401; May 20.
Rinehart, Dean C. (See Ralston, A. A., and Rinehart.)
Rochelle, Julian, New York, N. Y. Textile fabric. 127,408; May 20.
Rochelle, Julian, New York, N. Y. Textile fabric. 127,409; May 20.
Rochelle, Julian, New York, N. Y. Textile fabric. 127,410; May 20.
Rosenfeld, George L., Cleveland, Ohio. Display container. 127,331; May 20.
Rosenstein, Charles, Paterson, N. J. Textile fabric or similar article. 127,307; May 20.
Rubinstein, Helena, Inc. (See Medgyes, Ladislas, assignor.)
Russell, William J., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Laundry machine cabinet. 127,308; May 20.
Schmitz, Carl, assignor to Verlys of America, Inc., New York, N. Y. Vase or similar article. 127,309; May 20.
Schmitz, Carl, assignor to Verlys of America, Inc., New York, N. Y. Vase or similar article. 127,310; May 20.
Schmitz, Carl, assignor to Verlys of America, Inc., New York, N. Y. Book end or similar article. 127,311; May 20.
Schmitz, Carl, assignor to Verlys of America, Inc., New York, N. Y. Bowl or similar article. 127,312; May 20.
Schreckengost, Viktor, Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Chair back. 127,281; May 20.
Schwalbe, Jacques, New York, N. Y. Combined container and dispensing unit, for flints or the like. 127,282; May 20.
Schwalbe, Jacques, New York, N. Y. Combined key container and coin purse. 127,283; May 20.
Schwartz, Peter S., New York, N. Y. Textile fabric. 127,402; May 20.
Schylander, John F., Chicago, Ill. Combined ash tray and lighter. 127,390; May 20.
Shortell, William H., assignor to Millers Falls Company, Greenfield, Mass. Nail set or similar article. 127,284; May 20.
Siemund, Herman, assignor to The Greenview Manufacturing Company, Chicago, Ill. Frozen confection. 127,285; May 20.
Smythe, Katherine K., Evanston, Ill. Foundation garment. 127,411; May 20.
Sobiloff, Myer N., Fall River, Mass. Curtain. 127,332; May 20.
Soprani, Mario, Castelfidardo, Italy, assignor to Continental Music Company, Inc., Chicago, Ill. Bass section of an accordion or similar article. 127,286; May 20.
Stelzer, Harry, Forest Hills, N. Y. Belt buckle. 127,287; May 20.
Thacher, Sheldon P., Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 127,333; May 20.
Thacher, Sheldon P., Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y. Pneumatic tire. 127,334; May 20.
Themelis, Thomas S., New York, N. Y. Brooch or the like. 127,433; May 20.
Theodoropulos, Aristede A., New Haven, Conn. High wing monoplane. 127,412; May 20.
Theodoropulos, Aristede A., New Haven, Conn. Pursuit monoplane. 127,413; May 20.
Tillman, Abe, New York, N. Y. Textile fabric. 127,414; May 20.
United Elastic Corporation. (See Richards, Albert, assignor.)
United States Rubber Company. (See Lombard, Ralph S., assignor.)
United States Rubber Company. (See Thacher, Sheldon P., assignor.)
Verlys of America, Inc. (See Schmitz, Carl, assignor.)
Vivaudou, Jean E., and H. G. Lubin, New York, N. Y. Combined sachet ball, perfume bottle, and holders therefor. 127,434; May 20.
Vivaudou, Jean E., New York, N. Y. Combined sachet ball and holders therefor. 127,437; May 20.
Walker, George W., Pleasant Ridge, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Vacuum cleaner casing. 127,288; May 20.
Walker, Joset, New York, N. Y. Dress. 127,403; May 20.
Warner, John H., Dayton, Ohio. Manicurist hand support. 127,364; May 20.
Weiss, Joseph, New York, N. Y. Doll. 127,335; May 20.
West Bend Aluminum Company. (See Ramsthal, Alfred F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Russell, William J., assignor.)
Wilkie, Robert J., assignor to Continental Machines, Incorporated, Minneapolis, Minn. Dispensing container. 127,313; May 20.
Wyatt, Anne L., Los Angeles, Calif. Hair curler. 127,336; May 20.
Young, Leonard A., Detroit, Mich. Rack for a refrigerator, oven, or the like. 127,289; May 20.
Zahn, Philip, New York, N. Y. Dress ensemble. 127,365; May 20.
Zendman, Isaac, New York, N. Y. Lace. 127,337; May 20.
Zillier, Carl W. (See Kohler, H. V., and Zillier.)
Zimmerman, Charles E., Chicago, Ill. Cosmetic applicator. 127,338; May 20.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 20TH DAY OF MAY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, Alfred H., Burbank, D. Murphy, Glendale, and S. E. Williams, Burbank, Calif. Swedging tool. 2,242,280; May 20.

Adams, Walter L., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Casting plug. 2,242,965; May 20.

Ahlberg, Jacob E. (See Benedict, W. L., and Ahlberg.)

Ahrndt, Arthur H., assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 2,242,935; May 20.

Aidco Automatic Inflator and Deflator Company. (See Bowers, John F., assignor.)

Ainsworth, Harry G., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Door construction. 2,242,499; May 20.

Air Reduction Company. (See Deming, George M., assignor.)

Air-Way Appliance Corporation. (See Riebel, Frederick, Jr., assignor.)

Akron Standard Mold Company. (See Bostwick, Henry C., assignor.)

Aktiebolaget Radius. (See Johansson, John T., assignor.)

Alaska Freezer Co., The, et al. (See Townsend, James W., assignor.)

Albertson & Company. (See Albertson, Frank O., assignor.)

Albertson, Frank O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Abrasive disk and making the same. 2,242,877; May 20.

Alfred, Torris H., Park Ridge, Ill. Paper holding board. 2,242,737; May 20.

Algarsson, Grettir, Montreal, Quebec, Canada. Selective two pitch airscrew. 2,243,046; May 20.

Algren, Nils A., and B. Reistad, Stockholm, Sweden, assignors, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 2,242,281; May 20.

Allen, Earl H. (See Cohen S., and Allen.)

Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,242,987; May 20.

Alox Corporation. (See Shields, James E., assignor.)

Altenbern, Gustav A., Bremen Township, Cook County, and W. S. Stone, Glen Ellyn, Ill., assignors, by mesne assignments, to The A. S. Boyle Company. Making mop swats. 2,242,444; May 20.

Alton, David E., New York, N. Y. Damper device. 2,242,738; May 20.

Aluminum Company of America. (See Dix, E. H., Jr., and Nock, assignors.)

Amenabar, Arturo, assignor to Ovalle, Tupper & Amenabar Limitada, Santiago, Chile. Lixiviation of copper ores and the subsequent recovery of copper. 2,242,217; May 20.

American Cyanamid Company. (See Davis, Arnold R., assignor.)

American Cyanamid Company. (See Schroy, P. C., and Hofferbert, assignors.)

American Enka Corporation. (See Schrenk, Hans A., assignor.)

American Laundry Machinery Company, The. (See Dewey, James M., assignor.)

American Laundry Machinery Company, The. (See Neckel, Edmund N., assignor.)

American Mineral Company. (See Stanko, John J., assignor.)

American Rolling Mill Company, The. (See Carpenter, Victor W., assignor.)

American Seating Company. (See Nordmark, Henry P., assignor.)

American Thermometer Company. (See Arden, T. T., and Cassidy, assignors.)

American Tool & Machine Co. (See Tholl, John E., assignor.)

Amundsen, S. (See Hunt, Henry J., assignor.)

Anchor Manufacturing Co. (See Young, Arthur A., assignor.)

Anderson, Carl H., assignor to Lumbermens Mutual Casualty Company, Chicago, Ill. Manifold arrangement. 2,242,500; May 20.

Anderson, Clarence T., Pittsburgh, Pa., assignor to Chicago Development Company, Chicago, Ill. Manganese alloy. 2,242,205; May 20.

Anderson, Martin J., assignor to Mathews Conveyer Company, Ellwood City, Pa. Speed compensating conveyer. 2,242,409; May 20.

Anderson, Olof B., assignor to E. J. Longyear Company, Minneapolis, Minn. Drill. 2,242,739; May 20.

Andrews, Henry G., Moskee, Wyo. Replaceable bearing. 2,242,996; May 20.

Anker-Werke, A. G. (See Aurbach, Kurt, assignor.)

Arden, Thomas T., Greensburg, Pa., and G. M. Cassidy, assignors to American Thermometer Company, St. Louis, Mo. Temperature indicator. 2,242,501; May 20.

Arends, Herman T., Highland Park, Mich. Magazine binder. 2,242,740; May 20.

Armbrust Chain Company. (See Hess, William F., assignor.)

Armbruster, Leopold, New York, N. Y. Fitting. 2,242,899; May 20.

Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control mechanism. 2,242,445; May 20.

Armour and Company. (See McCaslin, Walton L., assignor.)

Arndt, John P., Jr. (See Williams, A. L. W., and Arndt.)

Arnold, Clifford D., Mare Island, Calif. Amusement apparatus. 2,242,843; May 20.

Art Metal Works, Inc. (See Meyer, Frederick, assignor.)

Ashley, Robert L. (See Koehler, O. E., and Ashley.)

Askania-Werke A. G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau. (See Wünsch, Guido, assingor.)

Atwood, Laurence F., assignor to Consolidated Machinery & Supply Co., Ltd., Los Angeles, Calif. Power saw. 2,242,336; May 20.

Auer, László, Mansfield, Mass. Sizing textiles. 2,242,218; May 20.

Aufiero, John M., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Heater. 2,242,337; May 20.

Augitto, Joseph, Chicago, Ill. Waterproof sweatband. 2,242,338; May 20.

Aurbach, Kurt, assignor to Anker-Werke, A. G., Bielefeld, Germany. Record sheets positioning means for bookkeeping machines and the like. 2,242,381; May 20.

Austin, Ellsworth W., assignor to LaPlant-Choate Manufacturing Co. Inc., Cedar Rapids, Iowa. Oil filter. 2,242,807; May 20.

Austin, Ellsworth W., assignor to LaPlant-Choate Manufacturing Co. Inc., Cedar Rapids, Iowa. Earth tamper. 2,242,808; May 20.

Auto Specialties Manufacturing Company. (See Lucker, Millard B., assignor.)

Autogiro Company of America. (See de la Cierva, Juan, assignor.)

Averns, Harry M., Coventry, assignor to Courtaulds Limited, London, England. Manufacture and production of curled monofil. 2,242,988; May 20.

Avery, Henry A., Groton, assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Handle for portable articles. 2,242,283; May 20.

Aviation Manufacturing Corporation. (See Martin, P. B., and Brew, assignors.)

Ayers, Alan N., Lawrence, Kans. Flying toy. 2,242,770; May 20.

Babcock & Wilcox Company, The. (See Lucke, Charles E., assignor.)

Babcock & Wilcox Company, The. (See Norton, Charles L., Jr., assignor.)

Babcock & Wilcox Company, The (See Shellenberger, Rolfe, assignor.)

Bag Closure Corporation. (See Fortuin, Roslyn B., assignor.)

Bagshaw, Charles M. (See Bray, W. N., and Bagshaw.)

Baier, Walter. (See Baier, Wilhelm and W.)

Baier, Wilhelm and W., Stockdorf, near Munich, Germany. Catch for sliding roofs for motor vehicles. 2,242,844; May 20.

Baily, Thaddeus F., Canton, Ohio. Melting and refining ferrous metals. 2,242,219; May 20.

Baker Box Company. (See Curtis, Philip N., assignor.)

Baker, Chester L., Penn Wynne, assignor to The Philadelphia Quartz Company, Philadelphia, Pa. Manufacture of anhydrous silicates in pumiceous form. 2,243,027; May 20.

Baker, Harold J., Jr., Flossmoor, Ill., and W. Mendius, Munster, Ind., assignors to Sinclair Refining Company, New York, N. Y. Operating polymerization plants. 2,242,771; May 20.

Balcom, Clarence G., Springdale, Conn. Hydraulic transmission clutch. 2,242,997; May 20.

Baldwin Locomotive Works, The. (See Dinzl, Richard W., assignor.)

Bales, Max G., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Starting motor control system. 2,242,772; May 20.

Ball, Charles F., Wauwatosa, assignor to Chain Belt Company, Milwaukee, Wis. Agitating attachment for the hoppers of concrete pumps. 2,243,028; May 20.

Bailliet, A. H., Corporation. (See Neely, Frank R., assignor.)

Balsley, James R., assignor to James R. Balsley, Incorporated, Stamford, Conn. Light control means. 2,242,638; May 20.

Balsley, James R., Incorporated. (See Balsley, James R., assignor.)

Bangs, Ralph C., Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y. Implement for and method of forming and applying jump rings. 2,242,502; May 20.

Barnes, Carl E. (See Kistler, S. S., and Barnes.)

Barnes, Walter C., Lake Bluff, and H. W. Keevil, Highland Park, Ill. Flaw detecting apparatus. 2,242,220; May 20.

Barth, Elmer J. (See Peterson, C. D., Burkhalter, and Barth.)

Bartlett, C. O., & Snow Company, The. (See Smith, Benjamin A., assignor.)

Barton, Paul D., Chester County, assignor to Sun Oil Company, Philadelphia, Pa. Treating clay. 2,242,639; May 20.

Barton, William A., Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Rounding machine. 2,242,410; May 20.

Bastow, Harry, Pittsburgh, Pa. Reflector button. 2,242,382; May 20.

Baudry, René A., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Squirrel-cage dynamoelectric machine. 2,242,339; May 20.

Bauer, Wilhelm, Leverkusen-Wiesdorf, Germany, assignor to General Aniline & Film Corpotation. Vat dyestuffs of the anthraquinone series and making the same. 2,242,411; May 20.

Bauer, Wilhelm, Leverkusen-Wiesdorf, Germany, assignor to General Aniline & Film Corporation. Vat dyestuffs of the anthraquinone-acridone-carbazole series. 2,242,446; May 20.

Baule, Gerhard H. J., assignor to Crouse-Hinds Company, Syracuse, N. Y. Detachably securing covers to boxes. 2,242,503; May 20.

Bausch & Lomb Optical Company. (See Jobe, Frederick W., assignor.)

Bausch & Lomb Optical Company. (See Smith, Joseph W., assignor.)

Baush Machine Tool Company. (See Eden, J. A., and Phillips, assignors.)

Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Homogenizer. 2,242,809; May 20.

Bayon, Henri J., Angers, France. Brace or like article. 2,242,221; May 20.

Beaver, Rudolph, Waltham, Mass. Cutting implement. 2,242,936; May 20.

Beede, Virgil O., Arlington, Va. Track shoe. 2,242,222; May 20.

Beekley, Francis C., West Hartford, Conn. Lamp switch. 2,242,383; May 20.

Begtrup, Frederik L., Svebølle, Denmark. Making a sulphur preparation for use in protecting plants against attacks of living organisms. 2,242,384; May 20.

Bell Telephone Laboratories, Incorporated. (See Bellows, B. C., and Eagon, assignors.)

Bell Telephone Laboratories, Incorporated. (See Bennett, A. F., Polk, and Tuffnell, assignors.)

Bell Telephone Laboratories, Incorporated. (See Blackwell, Otto B., assignor.)

Bell Telephone Laboratories, Incorporated. (See Bode, Hendrik W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Clark, J. W., and Schimpf, assignors.)

Bell Telephone Laboratories, Incorporated. (See Kater, Joseph A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ohl, Russell S., assignor.)

Bell Telephone Laboratories, Incorporated. (See Pope, Thomas J., assignor.)

Bell Telephone Laboratories, Incorporated. (See Rea, Wilton T., assignor.)

Bell Telephone Laboratories, Incorporated. (See Romanow, Frank F., assignor.)

Bellows, Brian C., Maplewood, N. J., and L. L. Eagon, Great Neck, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,242,640; May 20.

Bender, Jacob A., North Bergen, N. J. Combination implement. 2,242,900; May 20.

Benedict, Wayne L., and J. E. Ahlberg, assignors to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,242,504; May 20.

Bennett, Arthur F., Millburn, N. J., R. E. Polk, Brooklyn, N. Y., and W. L. Tuffnell, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mechanical amplifier. 2,242,284; May 20.

Bennington, Charles S., Jr., et al. (See Clack, Charles F., assignor.)

Benson, Newell B., Baltimore, Md. Liquid dispenser. 2,242,693; May 20.

Berger, Julius, Irvington, N. J. Combined shawl and hood. 2,242,641; May 20.

Bergholm, Harry K., Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 2,242,282; May 20.

Bernstorff, Hans, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y. Manufacture of working pieces impermeable to gas and vacuum proof. 2,243,059; May 20.

Best, John E. (See Collard, J., and Best.)

Betts, William J., and F. H. Stowitts, assignors to Michigan Carton Company, Battle Creek, Mich. Carton. 2,242,741; May 20.

Besozzi, Mario A. (See Gottlieb, E. B., and Besozzi.)

Beyrodt, Kurt, Hartford, Conn. Latch. 2,242,385; May 20.

Biederman, Joseph B., Cincinnati, Ohio. Absorbent pad. 2,242,937; May 20.

Biedermann, Robert. (See Schäfer, J., and Biedermann.)

Bielitz, Friedrich. (See Schultz, E., and Bielitz.)

Bilde, Tord E. D., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Suction nozzle. 2,242,566; May 20.

Birch, Thomas H., Milwaukee, Wis. Strainer cleaner device. 2,242,901; May 20.

Birr, Rudolph G. (See Steiner, F. G., and Birr.)

Bisset, William, assignor to Mathews Conveyer Company, Limited, Port Hope, Ontario, Canada. Loading and unloading conveyer apparatus. 2,242,206; May 20.

Blackhawk Mfg. Co. (See Mandl, Siegmund, assignor.)

Blackwell, Otto B., Piandome, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,242,285; May 20.

Blake, Reginald, et al., administrators. (See de la Cierva, Juan.)

Blattner, Emil H., assignor to The Symington-Gould Corporation, Rochester, N. Y. Cushioning unit. 2,242,412; May 20.

Blattner, Emil H., assignor to The Symington-Gould Corporation, Rochester, N. Y. Cushioning unit. 2,242,413; May 20.

Blattner, Emil H., assignor to The Symington-Gould Corporation, Rochester, N. Y. Cushioning unit. 2,242,414; May 20.

Blaw-Knox Company. (See Sarosdy, Louis J., assignor.)

Bley, Rudolph S., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Surface wetting agent and making it. 2,242,223; May 20.

Bley, Rudolph S., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Surface wetting agent and making it. 2,242,224; May 20.

Bley, Rudolph S., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Spinning process. 2,242,225; May 20.

Bley, Rudolph S., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Spinning viscose. 2,242,226; May 20.

Bloch, Herman S. (See Thomas, C. L., and Bloch.)

Block, Frank. (See Block, Walter W. and F.)

Block, Walter W. and F., Kenosha, Wis. Curtain stretcher. 2,242,386; May 20.

Blount, Arthur L., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Alkylation. 2,242,845; May 20.

Blue, John, Jr., Laurinburg, N. C. Fertilizer distributor. 2,242,227; May 20.

Bobo, Stephen N., assignor to R. P. Sniffen, New York, N. Y. Space heater. 2,242,742; May 20.

Bodde, Bernard M., Hollywood, Calif. Manufacture of translucent screens. 2,242,567; May 20.

Bode, Hendrik W., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Design of broad band repeaters. 2,242,878; May 20.

Boeing Aircraft Company. (See Wells, Edward C., assignor.)

Bogaty, Stanislaus, assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Rotary feed for stock driers. 2,242,998; May 20.

Bogert, John L., Brooklyn, N. Y. Shoal draft vessel propulsion. 2,242,642; May 20.

Bolinder's Fabriks Aktiebolag. (See Löfvenmark, Karl E., assignor.)

Bolston, Harry M., Revere, Mass. Stamping machine. 2,242,505; May 20.

Bonsall, Charles D., Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Refrigerator Company. Top bunker refrigerator car. 2,242,938; May 20.

Booth, Arlie L., Miami, Fla. Cigarette package. 2,242,694; May 20.

Bosdet, Enrique N., Mexico, D. F., Mexico. Fuel saving device for internal combustion motors. 2,242,989; May 20.

Bostwick, Henry C., assignor to Akron Standard Mold Company, Akron, Ohio. Stock feeder. 2,242,810; May 20.

Boughton, Frank E., Chicago, Ill. Ruling apparatus. 2,242,286; May 20.

Bowers, John F., assignor to Aidco Automatic Inflator and Deflator Company, Georgetown, Del. Air distributing head for tire inflation devices. 2,242,207; May 20.

Bowers, Lyle W., Lakewood, Ohio. Traveling display apparatus for stores. 2,242,811; May 20.
Boyar-Schultz Corporation. (See Gideon, Victor W., assignor.)
Boyce, William S., Denver, Colo., assignor to The Colorado Fuel and Iron Corporation. Rail cushioning and fastening means. 2,242,773; May 20.
Boyd, George A., assignor to Standard Oil Company, Chicago, Ill. Catalytic desulphurization. 2,242,387; May 20.
Boyle, A. S., Company. The. (See Altenbery, G. A., and Stone, assignors.)
Brackett, Tracy F., assignor to General Motors Corporation, Detroit, Mich. Photo-cell control for die sinking machines. 2,242,506; May 20.
Bradner, Donald B., assignor to The Champion Paper and Fibre Company, Hamilton, Ohio. Making calcium carbonate. 2,242,228; May 20.
Brander, Bertil J., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Automatic telephone selector. 2,242,340; May 20.
Bräuning, Wilhelm. (See Zintl, E., Krings, and Bräuning.)
Bray, William N., and C. M. Bagshaw, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Stock fitting machine. 2,242,415; May 20.
Breidenbaugh, Christian P. (See Turner, J. F., and Breidenbaugh.)
Brenkert, Karl, assignor to Brenkert Light Projection Company, Detroit, Mich. Reflector adjusting mechanism for projection lamps. 2,242,388; May 20.
Brenkert Light Projection Company. (See Brenkert, Karl, assignor.)
Brew, George J. (See Martin, P. B., and Brew.)
Brice, Louis P., Boulogne-sur-Seine, and J. Lipsky, assignors to Société Anonyme: La Parol Hydraulique, Paris, France. Reinforced concrete tank. 2,242,846; May 20.
Brignall, Clifford, Long Beach, Calif. Leader forming machine. 2,242,341; May 20.
Bronson, Adelbert E., Shaker Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Vulcanizing unit. 2,242,568; May 20.
Brown, Alfred S., Hamilton, assignor to Skenandoa Rayon Corporation, Utica, N. Y. Apparatus for spinning rayon. 2,242,999; May 20.
Brown, Alfred S., Hamilton, assignor to Shenandoa Rayon Corporation, Utica, N. Y. Method and apparatus for manufacture of rayon. 2,243,000; May 20.
Brown, Donovan W., Huntington, Ind., assignor of one-half to J. T. McCarthy, Chicago, Ill. Toothbrush. 2,242,743; May 20.
Brown Instrument Company, The. (See Keeler, Earl A., assignor.)
Brown Instrument Company, The. (See Moore, Coleman B., assignor.)
Brown, James D., San Antonio, Tex. Bridge dummy server. 2,242,447; May 20.
Brown, James G., Congress Park, assignor to General Electric X-Ray Corporation, Chicago, Ill. Electrical system. 2,242,812; May 20.
Brown, Thomas E., Hamilton, Ontario, Canada. Internal combustion engine. 2,242,990; May 20.
Bruestle, Carl O. (See Parvin, E. G., Fantone, and Brustle.)
Brumley, John D., Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Seal for discharge lamps. 2,242,774; May 20.
Bruner, Rea M., assignor of one-third to R. A. Kenley and A. Murphy, Houston, Tex. Sign. 2,242,342; May 20.
Brush Development Company, The. (See Williams, A. L. W., and Arndt, assignors.)
Buchanan, Lloyd W., Lima, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Reversible capacitor motor. 2,242,343; May 20.
Büche, Karl. (See Fulda, W., Wiedbrauck, and Büche.)
Buck, Everett A. (See Morey, L. W., and Buck.)
Buckel, Gustav A., Hartford, Conn. Bathtub. 2,242,939; May 20.
Buckeye, Mae D., et al. (See Enblom, John C., assignor.)
Buckeye, Ralph A., et al. (See Enblom, John C., assignor.)
Buckeye Steel Castings Company. (See Orr, Claude L., assignor.)
Bucknam, James H., Cranford, L. W. Young, Scotch Plains, and F. C. Geibig, Westfield, N. J., assignors to Oxweld Acetylene Company. Tool supporting and propelling machine. 2,242,448; May 20.
Budd, Edward G., Manufacturing Company. (See Eksergian, Ruben, assignor.)
Burg, Robert L. (See Burg, Walter, assignor.)
Burg, Walter, Toledo, Ohio, assignor of one-half to R. L. Burg, Louisville, Ky. Manufacture of sodium sulphate. 2,242,507; May 20.
Burkardt, Anton, assignor to Pneumatic Cap & Seal Corporation, New York, N. Y. Bottle closure. 2,242,966; May 20.
Burkhalter, Robert R. (See Peterson, C. D., Burkhalter, and Barth.)
Burkitt, Henry L. (See Ingrassia, Leonardo, assignor.)
Burleigh, Arthur C., Wellesley, Mass., assignor to Skilsaw Inc., Chicago, Ill. Abrading device. 2,242,229; May 20.
Burneleit, Willy, Cologne-Deutz, Germany, assignor to General Aniline & Film Corporation. Preparation of naphthoquinone carbazoles. 2,242,449; May 20.
Burr, George O., assignor to Regents of the University of Minnesota, Minneapolis, Minn. Producing conjugation in unconjugated polyenes. 2,242,230; May 20.
Burton, Frank F., Mount Carmel, Conn., assignor, by mesne assignments, to Western Cartridge Company. Bolt-action firearm construction. 2,242,389; May 20.
Bush, A. G. (See Criner, Harry J., assignor.)
Butcher, Henry J., and R. W. Lunn, assignors to The Leyland and Birmingham Rubber Company Limited, Leyland, near Preston, England. Sleeve protector for earth boring drills. 2,242,847; May 20.
Byron Jackson Co. (See Grau, Herbert E., assignor.)
Bywater, William G., assignor to Parke, Davis & Company, Detroit, Mich. Manufacture of hydantoins. 2,242,775; May 20.
California Packing Corporation. (See Johnson, Maxwell O., assignor.)
Calvert, David R., Scottsville, Ky. Mailbox support. 2,243,001; May 20.
Campbell, Rouel R., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Device for applying adhesive to strip material. 2,242,416; May 20.
Canister Company, The. (See Morgan, Harry W., assignor.)
Cantoni, Humbert D. J., Paris, France. Internal combustion engine. 2,242,231; May 20.
Caoli, Frank, Greenwich, Conn. Automatic clamshell bucket. 2,242,940; May 20.
Cappelle, Emil R., Chicago, Ill. Circuit breaker. 2,242,232; May 20.
Carballal, Victor L., Miramar, Marianao, Cuba. Toy for a new game. 2,242,450; May 20.
Carl, Roger W., assignor of twenty-two and one-half per cent to C. W. Nusperle and twenty-two and one-half per cent to H. E. Nusperle, Elmhurst, Ill. Expanding arbor. 2,242,991; May 20.
Carlile, Alfred E., Meadville, Pa., assignor to Talon, Inc. Staple strip. 2,242,967; May 20.
Carlson, Bert G., Freeport, N. Y., and B. A. Wittkuhns, Summit, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro magnetic compass. 2,242,233; May 20.
Carnegie-Illinois Steel Corporation. (See Taylerson, Ewart S., assignor.)
Carpenter, John W., Independence, Mo. Treating meat. 2,242,451; May 20.
Carpenter, Morris T., assignor to Standard Oil Company, Chicago, Ill. Catalytic apparatus. 2,242,390; May 20.
Carpenter, Victor W., Franklin, assignor to The American Rolling Mill Company, Middletown, Ohio. Producing silicon steel sheets or strips. 2,242,234; May 20.
Carter Carburetor Corporation. (See Jones, Maldwyn E., assignor.)
Casner, James E., Alpine, Tex. Differential gearing. 2,242,605; May 20.
Cassidy, Glen M. (See Arden, T. T., and Cassidy, assignors.)
Cazin, Otto K., Hoboken, N. J., assignor to Universal Camera Corporation, New York, N. Y. Range finder. 2,242,452; May 20.
Celanese Corporation of America. (See Schneider, George, assignor.)
Chain Belt Company. (See Ball, Charles F., assignor.)
Chain Belt Company. (See Hillkemeier, Louis G., assignor.)
Champion Paper & Fibre Company, The. (See Bradner, Donald B., assignor.)
Chase, Frank C., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Preparing cyclopropane. 2,242,235; May 20.
Cheek, Tolbert F., Bronx, assignor to Welte Mignon Piano Corporation, Brooklyn, N. Y. Player piano. 2,242,417; May 20.
Cheek, Tolbert F., Bronx, assignor to Welte Mignon Piano Corporation, Brooklyn, N. Y. Player piano. 2,242,418; May 20.
Chemical Marketing Company Inc. (See Bernstorff, Hans, assignor.)
Chemical Marketing Company Inc. (See Weiss, Ludwig, assignor.)
Chemische Fabrik Von Heyden Aktiengesellschaft. (See Haack, Erich, assignor.)
Chicago Development Company. (See Anderson, Clarence T., assignor.)
Ching, John F., Berkeley, Calif. Door lock. 2,242,508; May 20.
Chirelstein, Charles, Newark, N. J. Starter switch. 2,242,902; May 20.
Christiansen, Walter G., Glen Ridge, N. J., and M. A. Dolliver, Jackson Heights, assignors to E. R. Squibb & Sons, New York, N. Y. Di-amino-alkyl-disulphoxides and making them. 2,242,236; May 20.
Christiansen, Walter G., Glen Ridge, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Synthesis of 2-amino thiazoles. 2,242,237; May 20.
Cito, Camillo, Uccle-Brussels, assignor to Manufacture Generale Metallurgique, Société Anonyme, Brussels, Belgium. Electric resistance element and manufacturing same. 2,242,344; May 20.

Clack, Charles Franklin, Mineola, assignor of two-thirds to H. H. Corsette, and C. S. Bennington, Jr., Hempstead, N. Y. Artificial limb. 2,242,848; May 20.
Clark, George M., Lynn, Mass. Stereotype casting box. 2,242,943; May 20.
Clark, Jesse H. (See Wells, A. S., and Clark.)
Clark, John W., Urbana, and L. Schimpf, Jackson Heights, Ill., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,242,776; May 20.
Clearing Machine Corporation. (See Johansen, Einar K., assignor.)
Cleveland Steel Products Corp. (See O'Brien, James L., assignor.)
Cleveland Tungsten, Inc. (See Mansfield, William E., assignor.)
Close, George A., Bay City, Mich. Boiler. 2,242,744; May 20.
Coals and Chemicals, Limited. (See Ramage, Alexander S., assignor.)
Coalson, Douglas, Brownwood, Tex. Fishhook and trotline holder. 2,242,509; May 20.
Coberly, Clarence J., Los Angeles, Calif., assignor to RoKo Corporation, Reno, Nev. Fluid operated pump. 2,242,777; May 20.
Cochran, Clyde E., assignor to The Elwell-Parker Electric Co., Cleveland, Ohio. Axle construction. 2,242,453; May 20.
Cochran, Clyde E., assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Axle and wheel mounting for industrial trucks. 2,242,454; May 20.
Cogsdill, Stuart A., assignor to Cogsdill Twist Drill Co., Detroit, Mich. Adjustable countersink structure. 2,242,510; May 20.
Cogsdill Twist Drill Co. (See Cogsdill, Stuart A., assignor.)
Cohen, Samuel, Brooklyn, N. Y., and E. H. Allen, Fanwood, assignors, by mesne assignments, to Condenser Development Corporation, Newark, N. J. Radio station selector. 2,242,287; May 20.
Cohn & Rosenberger, Inc. (See Bangs, Ralph C., assignor.)
Cole Electric Products Co. Inc. (See Cole, T. M., and Smith, assignors.)
Cole, George R., Fresno, Calif. Piston. 2,242,345; May 20.
Cole, Thomas M., New York, N. Y., and C. I. Smith, Newark, N. J., assignors to Cole Electric Products Co. Inc., Long Island City, N. Y. Circuit breaker. 2,242,717; May 20.
Colgate-Palmolive-Peet Company. (See Muncie, Fred W., assignor.)
Collard, John, Hammersmith, London, and J. E. Best, West Ealing, London, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. System for the transmission of oscillations. 2,242,879; May 20.
Collings, David A. (See Hines, R. J., and Collings.)
Colorado Fuel and Iron Corporation, The. (See Boyce, William S., assignor.)
Comar Electric Co. (See Glennon, Edward J., assignor.)
Combustion Engineering Company. (See Van Brunt, J., and Weigel, assignors.)
Combustion Utilities Corporation. (See Niles, G. H., and Johnson, assignors.)
Condenser Development Corporation. (See Cohen, S., and Allen, assignors.)
Conner, Guy O., assignor to Wheeling Steel Corporation, Wheeling, W. Va. Retaining device. 2,242,643; May 20.
Consolidated Machinery & Supply Co. (See Atwood, Laurence F., assignor.)
Continental Steel Corporation. (See Lodge, Walter G., assignor.)
Continuous Casting Corporation (See Eldred, Byron E., assignor.)
Cook, Harold H., Steward, Ill. Shovel and hoist. 2,242,511; May 20.
Cook, John V., assignor to Petersen Oven Company, Chicago, Ill. Conveyer for baking ovens. 2,242,813; May 20.
Cook, Willard G., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Tension control for rolling mills. 2,242,346; May 20.
Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,242,814; May 20.
Coopers, Incorporated. (See Kneibler, Arthur R., assignor.)
Coplen, Milo G., Rockville, Md. Tree mover. 2,242,695; May 20.
Corin, Gunnar E. M., Stockholm, Sweden. Arrangement for recording and reproducing sound. 2,242,968; May 20.
Corsette, Henry J., et al. (See Clack, Charles F., assignor.)
Courtaulds Limited. (See Averns, Harry M., assignor.)
Cowles Company, The. (See Cowles, Edwin, assignor.)
Cowles, Edwin, Hopewell, assignor to The Cowles Company, Princeton, N. J. Method and apparatus for controlling the consistency of paper stock. 2,242,419; May 20.
Cox, Joseph H., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric hammer. 2,242,347; May 20.
Coxhead, Ralph C., assignor to Ralph Coxhead Corporation, New York, N. Y. Desk or table. 2,242,745; May 20.
Coxhead, Ralph, Corporation. (See Coxhead, Ralph C., assignor.)
Cram, Hervey G., assignor to P. D. Cram, Appleton, Wis. Moisture controller. 2,242,778; May 20.
Cram, P. D. (See Cram, Hervey G., assignor.)
Crimmel, Henry H., assignor to Sneath Glass Company, Hartford City, Ind. Refrigerator and tray construction. 2,242,903; May 20.
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Slicing machine. 2,242,512; May 20.
Cronk, Walter H., Canastota, N. Y. Flush tank valve. 2,243,002; May 20.
Croome, Gustave S., Mitcham, England. Antiskid device for automobiles. 2,242,348; May 20.
Crouse, J. Robert. (See Gallinger, Milo O., assignor.)
Crouse-Hinds Company. (See Baule, Gerhard H. J., assignor.)
Crowley, John C., Cleveland Heights, assignor to The Dill Manufacturing Company, Cleveland, Ohio. Valve stem. 2,242,569; May 20.
Crown Cork & Seal Company. (See McManus, Charles E., assignor.)
Cunningham, James W., Haddon Heights, N. J., assignor to Horn and Hardart Baking Co., Philadelphia, Pa. Urn. 2,242,969; May 20.
Cunningham, Noel, assignor to Durabilt Steel Locker Co., Aurora, Ill. Automatic air control for forced draft firing. 2,242,667; May 20.
Cupit, Edward C., Reno, Nev. Deflector for automobile windshields. 2,243,029; May 20.
Currie, William E. (See Giesen, J., Hanisch, and Gericke, assignors.)
Currier, William E. (See Pier, M., and Free, assignors.)
Curtis, Philip N., assignor to Baker Box Company, Worcester, Mass. Corner stay and stacking guide. 2,242,904; May 20.
Dafoe, Carmie R., Portland, Oreg. Extendible tractor frame. 2,242,570; May 20.
Dailey, William B., Winner, S. Dak. Comb-curler. 2,242,349; May 20.
Daimler-Benz Aktiengesellschaft. (See Seyerle, Wilhelm, assignor.)
Daniels, Claude H., Greenwich, Conn., and R. I. Wood, Mansfield, Mass.; said Wood assignor to said Daniels. Shoe bottom construction. 2,242,941; May 20.
Daniels, Lee G., Rockford, Ill. Trailer. 2,242,391; May 20.
Darner, Frederic M., Shaker Heights, assignor, by mesne asisgnments, to Republic Steel Corporation, Cleveland, Ohio. Strip trimmer. 2,242,815; May 20.
Darner, F. M., Shaker Heights, and George W. Sower, University Heights, assignors, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio. Tube entering end depressing device. 2,242,816; May 20.
Davis, Arnold R., Old Greenwich, Conn., assignor to American Cynamid Company, New York, N. Y. Rubber accelerator and activator. 2,242,208; May 20.
Davis, Ernest W., Oak Park, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 2,242,288; May 20.
Dean, Roy H., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Automobile body window assembly. 2,242,746; May 20.
De Beer, Frederick S., Albany, N. Y. Making playing balls. 2,242,455; May 20.
De Boer, Jan H., Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Luminescent screen. 2,242,644; May 20.
Deckel, Friederich. (See Zwick, Kurt, assignor.)
Deister Concentrator Company, The. (See Weber, Don A., assignor.)
De la Cierva, Juan, deceased, London, England, and Madrid, Spain, by J. Josselyn, London, and R. Blake, Aldwych, London, England, administrators, assignors, by mesne assignments, to Autogiro Company of America. Aircraft with controllable sustaining rotors. 2,242,457; May 20.
De Laney, William W., Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Preparation of a soap. 2,242,289; May 20.
Delfs, Detlef, and E. Stein, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline & Film Corporation. Polyazodyestuffs. 2,242,456; May 20.
Dember, David, Waterbury, Conn. Outlet box. 2,242,290; May 20.
Deming, George M., East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Gas storage cylinder connection. 2,242,291; May 20.
De Motte, Maurice P., and R. C. Pierson, Indianapolis, Ind., assignors to The Prest-O-Lite Company, Inc. Acetylene generator. 2,242,571; May 20.
Denton, George R., London, England. Apparatus for cleaning and buffing metal sheets. 2,242,292; May 20.
De Roos, Jan L., The Hague, Netherlands. Catalyst and preparing the same. 2,242,849; May 20.
De Smith, Henry, assignor to M. D. Knowlton Company, Rochester, N. Y. Scoring knife. 2,242,514; May 20.

Dessonnaz, Georges, Fribourg, assignor of one-half to R. de Werra, Lausanne, Switzerland. Pencil sharpener. 2,242,458; May 20.

Detrich, Donald J., Columbus, assignor to The Steel Storage File Company. Cleveland, Ohio. Interlock. 2,242,238; May 20.

Detroit Lubricator Company. (See Foulds, Andrew K., assignor.)

Detroit Lubricator Company. (See Wile, Daniel D., assignor.)

Devor, George T., Cleveland, Ohio. Windshield cleaner. 2,242,992; May 20.

De Werra, Roger. (See Dessonnaz, Georges, assignor.)

Dewey, James M., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Press buck. 2,242,513; May 20.

Diamond, Hymen, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding timer. 2,242,942; May 20.

Dicalite Company, The. (See Stockton, McKinley, assignor.)

Dickinson, Robert C., and R. H. Nau, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,242,905; May 20.

Dickout, William C., Hardieville, Alberta, Canada. Necktie guide. 2,243,003; May 20.

Dietzgen, Eugene, Co. (See Langsner, Adolph, assignor.)

Di Giovanna, Tigella C., Brooklyn, N. Y. Bathing cap. 2,242,420; May 20.

Dill Manufacturing Company, The. (See Bronson, Adelbert E., assignor.)

Dill Manufacturing Company, The. (See Crowley, John C., assignor.)

Dinzl, Richard W., Westfield, N. J., assignor, by mesne assignments, to The Baldwin Locomotive Works. Hydraulic press. 2,242,209; May 20.

Dix, Edgar H., Jr., Oakmont, and J. A. Nock, Jr., Tarentum, assignors to Aluminum Company of America, Pittsburgh, Pa. Thermal treatment of aluminum base alloys. 2,242,944; May 20.

Dodge, Adiel Y., South Bend, Ind. Transmission. 2,242,515; May 20.

Dodge, H. B., and Company. (See Pratt, Raymond C., assignor.)

Dodge, Howard M., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Refrigerator cabinet lid. 2,242,421; May 20.

Dole Valve Company, The. (See Traver, Clarence H., assignor.)

Dolid, Jacob, Bridgeport, Conn. Process and composition for carroting furs. 2,242,668; May 20.

Dolliver, Morris A. (See Christiansen, W. G., and Dolliver.)

Domecki, Vincent B., Chicago, Ill. Window construction. 2,242,993; May 20.

Donald, Walter G., Cambridge, and J. L. Martin, Lowell, Mass. Centrifugal casting. 2,242,239; May 20.

Donald, Walter G., Cambridge, and J. L. Martin, Lowell, Mass. Centrifugal casting. 2,242,240; May 20.

Donald, William P. (See Holdgate, J. C., Donald, and McArthur.)

Donaldson, Margaret M., et al. (See Enblom, John C., assignor.)

Donaldson, Robert H., et al. (See Enblom, John C., assignor.)

Donaldson, Ruth C., et al. (See Enblom, John C., assignor.)

Donovan, Alfred W., Quincy, Mass. Manufacture of footwear. 2,242,817; May 20.

Donovan, Alfred W., Quincy, Mass. Manufacture of shoes. 2,242,818; May 20.

Dorey, George R., Westmount, Quebec, Canada. Resilient brake connection for railway cars and the like. 2,242,994; May 20.

Dow Chemical Company, The. (See Hanawalt, J. D., and Frevel, assignors.)

Dow Chemical Company, The. (See Ritchie, Roy S., assignor.)

Dow, Sumner W., Boston, Mass. Spiral binder. 2,242,696; May 20.

Draper Manufacturing Company, The. (See Shera, John W., assignor.)

Driver, Wilbur B., Co. (See Fetz, Erich, assignor.)

Duca, Leonardo, Philadelphia, Pa. Awning. 2,242,697; May 20.

Duisberg, Walther H. (See Osswald, P., and Geisler, assignors.)

Duisberg, Walther H. (See Schlecht, H., and Jahrstorfer, assignors.)

Duisberg, Walther H. (See von Zeppelin, Helmut, assignor.)

Duisberg, Walther H. (See Zintl, E., Krings, and Bräunling, assignors.)

Dulaney, Paul L., assignor to The Huenefeld Company, Cincinnati, Ohio. Space heater. 2,242,669; May 20.

Duncan, Morris T., El Dorado, Kans. Draft shield. 2,242,606; May 20.

Dunn, Sabel, Los Angeles, Calif. Knitting device. 2,242,880; May 20.

Duplex Incorporated. (See Mantz, Aloysius F., assignor.)

Du Pont, E. I., de Nemours & Company. (See Greenewalt, C. H., and Worthington, assignors.)

Du Pont, E. I., de Nemours & Company. (See Lazier, W. A., and Rigby, assignors.)

Du Pont, E. I., de Nemours & Company. (See Weinmayr, Viktor M., assignor.)

Durabilt Steel Locker Co. (See Cunningham, Noel, assignor.)

Durand & Huguenin A. G. (See Müller, M., and Ratti, assignor.)

Dusseau, Lambert, Toronto, Ontario, Canada. Hair curler. 2,242,850; May 20.

Duval, Clément, assignor to Societe d'Electrochimie, d'Electrometallurgie et des Acieries Electriques d'Ugine, Paris, France. Organometallic compound and its manufacture. 2,242,516; May 20.

Dynes, Kenneth L., assignor to Grayson Heat Control, Ltd., Lynwood, Calif. Fuel regulator. 2,242,718; May 20.

E. A. Laboratories, Inc. (See Aufiero, John M., assignor.)

Eagon, Lloyd L. (See Bellows, B. C., and Eagon.)

Ebner, Alfred J. (See Fox, G., Ebner, and Rice.)

Eckert, Wilhelm, and K. Schilling, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Chromable dyestuffs of the triarylmethane series and preparing them. 2,242,572; May 20.

Economic Machinery Company. (See Holm, Carl, assignor.)

Eden, James A., and H. Phillips, assignors to Baush Machine Tool Company, Springfield, Mass. Screw tapping machine. 2,242,293; May 20.

Edison, Thomas A., Incorporated. (See Somers, Richard M., assignor.)

Edison, Thomas A., Incorporated. (See Wilson, Herbert O., assignor.)

Edwards, Albert Y., Bryan, Ohio. Indicating apparatus. 2,242,945; May 20.

Edwards, John W., Wichita, Kans. Polish rod clamp. 2,242,573; May 20.

Eggert, John, Leipzig, and H. F. Nissen, Dessau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on the Main, Germany. Producing apparatus for sound picture films. 2,242,574; May 20.

Ehlke, Florence L., North Muskegon, Mich. Vegetable dicer. 2,242,607; May 20.

Eisleb, Otto, Hofheim in Taunus, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Pentamethyleneoxide compounds and preparing them. 2,242,575; May 20.

Elstert, Bernd. (See Kochendoerfer, G., Mueller, Elstert, and Retter.)

Eksergian, Rupen, Lansdowne, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Railway truck. 2,242,422; May 20.

Eldred, Byron E., Scarsdale, assignor to Continuous Casting Corporation, New York, N. Y. Continuous casting of metal shapes. 2,242,350; May 20.

Electric & Musical Industries Limited. (See Collard, J., and Best, assignors.)

Electro Chemical Engraving Company. (See Jacobus, Nelson L., assignor.)

Electrolux Corporation. (See Bilde, Tord E. D., assignor.)

Electrolux Corporation. (See Thunberg, Sigurd F., assignor.)

Elliott, Frank, Oakland, Calif. Scraper. 2,242,459; May 20.

Elliott, Harold E., and L. Mawbey, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Fastening-inserting machine. 2,242,423; May 20.

Elwell-Parker Electric Company, The. (See Cochran, Clyde E., assignor.)

Enblom, John C., St. Paul, Minn., assignor of twenty-five per cent to R. C. Donaldson, twenty per cent to R. H. Donaldson, twelve and one-half per cent to A. D. Olin, six and one-fourth per cent to M. D. Buckeye, six and one-fourth per cent to R. A. Buckeye, twenty-five per cent to R. C. Donaldson as trustee, and five per cent to M. M. Donaldson. Air cleaner. 2,242,460; May 20.

Enterprise Manufacturing Company, The. (See Adams, Walter L., assignor.)

Ericksson, Emil, assignor to Standard Process Corporation, Chicago, Ill. Drier and method of drying. 2,242,995; May 20.

Erdos, George G., Astoria, Long Island, N. Y. Dishpan with removable handles. 2,242,779; May 20.

Etzrodt, Adalbert, Berlin-Siemensstadt, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Controllable electric discharge tube operating with alternating current. 2,242,351; May 20.

Eubanks, Louis, et al. (See Lewis, Ellis E., assignor.)

Evans, William E., Waterbury, assignor to The Waterbury Lock & Specialty Company, Milford, Conn. Pocket lighter. 2,242,906; May 20.

Evitt, Harry G., Baltimore, Md. Sanitary receptacle. 2,242,698; May 20.

Ewald, Mark, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg. Fruit treating apparatus. 2,242,241; May 20.

Ewald, Mark, and H. Skog, Olympia, Wash., assignors to Special Equipment Company, Portland, Oreg. Fruit treating apparatus. 2,242,242; May 20.

Ewald, Mark, and H. Skog, Olympia, Wash., assignors to Special Equipment Company, Portland, Oreg. Fruit treating apparatus. 2,242,243; May 20.

Ewald, Mark, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg. Fruit treating apparatus. 2,242,244; May 20.

Fairbanks, Morse & Co. (See Holt, Harold P., assignor.)

Falk, Johannes, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge apparatus. 2,242,946; May 20.

Fanner, Percival A., Lakewood, Ohio. Car dumper. 2,242,820; May 20.

Fanner, Percival A., Lakewood, Ohio. Car dumping machine. 2,242,819; May 20.

Fanslow, Robert B., Rockville Centre, N. Y., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Reaming tool. 2,242,821; May 20.

Fantone, Charles B. (See Parvin, E. G., Fantone, and Bruestle.)

Fausse, Joseph, Melrose, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Flemington, N. J. Apparatus for use in lasting shoes. 2,242,245; May 20.

Fellders, Jessie M., Montreal, Quebec, Canada. Container outlet 2,242,576; May 20.

Fenton, Paul E., Thomaston, assignor to Scovill Manufacturing Company, Waterbury, Conn. Button backing for snap fastener elements. 2,242,352; May 20.

Fernly, Joseph E. (See Woodford, J. C., and Fernly.)

Fernseh Aktiengesellschaft. (See Hartmann, W., and Wulfhekel, assignors.)

Ferro, Casimiro, West New Brighton, Staten Island, N. Y. Venicle wheel. 2,242,425; May 20.

Fetz, Erich, assignor to Wilbur B. Driver Co., Newark, N. J. Alloy. 2,242,970; May 20.

Ficker, Peter, Pomona, Calif. Electric meter socket support. 2,242,646; May 20.

"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Etzrodt, Adalbert, assignor.)

Finch, James L., Patchogue, and G. L. Usselman, Port Jefferson, N. Y., assignors to Radio Corporation of America. Rectifier filter. 2,242,881; May 20.

Finlay, Walter L., Bridgeport, and W. O. Stauffer, Fairfield, Conn., assignors to Remington Arms Company, Inc. Ammunition. 2,242,907; May 20.

Finnell Systems, Inc. (See Finnell, Walter S., assignor.)

Finnell, Walter S., assignor to Finnell Systems, Inc., Elkhart, Ind. Floor scrubbing apparatus. 2,242,577; May 20.

Fischer, Howard L., St. Paul, Minn. Knife. 2,243,030; May 20.

Fisher, Andrew J., Baltimore County, Md., assignor to The C. M. Kemp Manufacturing Company. Apparatus for mixing oil with steam. 2,242,424; May 20.

Fisher, Reynolds, Cumberland, Md. Bathroom fixture. 2,242,461; May 20.

Flader, Konrad, Erfurt-Hochheim, assignor to Olympia Buromaschinenwerke A. G., Erfurt, Germany. Indicator wheel. 2,242,699; May 20.

Flegel, Benjamin F., Racine, Wis. Automatic electric time switch. 2,242,517; May 20.

Fletcher, Arthur T., Bristol, Conn. Scraper. 2,242,700; May 20.

Fletcher, Arthur T., Bristol, Conn. Scraper. 2,242,701; May 20.

Flett, William, Melrose, Mass. Meat tying machine. 2,242,246; May 20.

Floeter, Frederick S., assignor to Wickes Bros., Saginaw, Mich. Broaching machine. 2,242,578; May 20.

Floeter, Frederick S., assignor to Wickes Bros., Saginaw, Mich. Chuck. 2,242,579; May 20.

Flowers, Henry F., Findlay, Ohio. Tandem wheel truck structure. 2,242,851; May 20.

Flowers, Henry F., Findlay, Ohio. Tandem wheel truck structure. 2,242,852; May 20.

Flowers, Henry F., Findlay, Ohio. Braking equipment for tandem wheel truck structures. 2,242,853; May 20.

Flowers, Henry F., Findlay, Ohio. Braking equipment for tandem wheel truck structures. 2,242,854; May 20.

Flowers, Henry F., Findlay, Ohio. Air cooled braking equipment. 2,242,855; May 20.

Flowers, Henry F., Findlay, Ohio. Braking equipment. 2,242,856; May 20.

Flynn & Emrich Company. (See Turner, J. F., and Breidenbaugh, assignors.)

Foard, Robert F., Los Angeles, Calif. Printing on cloth. 2,242,295; May 20.

Fodor, Ferenz H. (See Regan, G. P., and Fodor.)

Fodor, Ferenz H., assignor to Regan-Day, Inc., Los Angeles, Calif. Turntable drive. 2,242,518; May 20.

Fogg, Leigh F., East Providence, assignor to Kennecott Wire and Cable Company, Phillipsdale, R. I. Method and apparatus for applying metallic sheaths to cables. 2,243,031; May 20.

Foreign Rights (Precision Meters) Limited. (See Horton, Frank, assignor.)

Fortuin, Roslyn B., assignor, by mesne assignments, to Bag Closure Corporation, Nazareth, Pa. Bag closure. 2,242,857; May 20.

Foster, Warren D., Washington Township, Bergen County, N. J., and E. L. Parmelee, deceased; Peoples-Pittsburgh Trust Company, executor, Pittsburgh, Pa., assignor to Kinatome Patents Corporation, Ridgewood, N. J. Control method and mechanism for photographic printers. 2,243,047; May 20.

Foster, Warren D., Washington Township, Bergen County, N. J., and E. L. Parmelee, deceased; Peoples-Pittsburgh Trust Company, executor, Pittsburgh, Pa., assignor to Kinatome Patents Corporation, Ridgewood, N. J. Control method and mechanism for photographic printers. 2,243,048; May 20.

Foulds, Andrew K., Grosse Pointe Park, assignor to Detroit Lubricator Company, Detroit, Mich. Heating apparatus. 2,242,580; May 20.

Fourmarier, Paul, Jr., and M. Lempereur, Brussels, assignors to Servo-Frein Dewandre, Société Anonyme, Liege, Belgium. Electric arrangement for transmitting angles. 2,243,004; May 20.

Fox, Gordon, A. J. Ebner, and O. R. Rice, assignors to Freyn Engineering Company, Chicago, Ill. Gas washing means and method. 2,242,294; May 20.

Frain, Samuel E., Manor Township, Lancaster County, Pa. Fishing reel. 2,242,972; May 20.

Frank, Mark H., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Overdrive gearing. 2,242,519; May 20.

Frankenburger, Walter, Habana, Cuba, M. Herbst, Mannheim-Rheinau, and H. Schulz, Heidelberg, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Tripack for producing photographic pictures. 2,242,747; May 20.

Franklin, Higgs B., Union Springs, Ala. Weed guard and holder. 2,242,858; May 20.

Fraser, Allan, Brooklyn, N. Y. Loose-leaf memo tray and the like. 2,242,296; May 20.

Free, Gerhard. (See Pier, M., and Free.)

Freeman, Walter R., University City, assignor to Wagner Electric Corporation, St. Louis, Mo. Ratio changing means for fluid-actuated brakes. 2,242,297; May 20.

Freshwater, Frank H., assignor to Pressed Steel Car Company Inc., Pittsburgh, Pa. Mine car. 2,242,719; May 20.

Frevel, Ludo K. (See Hanawalt, J. D., and Frevel.)

Freyn Engineering Company. (See Fox, G., Ebner, and Rice, assignors.)

Froelich, George E., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Professional cabinet. 2,242,720; May 20.

Frost, Raymond B., Rutherford, N. J., assignor to United States Rubber Company, New York, N. Y. Method and apparatus for perforating sheet materials. 2,242,645; May 20.

Fuchs, Walter M., assignor to The Pennsylvania Research Corporation, State College, Pa. Treatment of coal. 2,242,822; May 20.

Fulda, Wilhelm, Lautawerk, Lausitz, E. Wiedbrauck, Essen-Bredeney, and K. Büche, Essen-Rellinghausen, Germany, assignors, by mesne assignments, to Th. Goldschmidt Corporation, New York, N. Y. Manufacture of monobasic aluminum sulphite. 2,243,060; May 20.

Fuller, George, Buffalo, N. Y. Adjustable golf club. 2,242,670; May 20.

Fulmer, Joseph H., Nazareth, Pa. Apparatus for cooling dehydrated forage crops. 2,242,702; May 20.

Fulwiler, Ronald M., Marshfield, Wis. Walking block. 2,242,748; May 20.

Gackenbach, William H., et al. (See Muth, H. W., and Stamberg, assignors.)

Gagne, Augustin, assignor to Hemphill Company, Central Falls, R. I. Yarn severing mechanism for wrap stripe machines. 2,242,462; May 20.

Gallon Iron Works & Manufacturing Company. (See Keeler, Raymond W., assignor.)

Gallinger, Milo O., Hartland, Mich., assignor to J. R. Crouse, Cleveland Heights, Ohio, doing business as Cromaine Crafts, Hartland, Mich. Hand loom. 2,242,210; May 20.

Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Adding and recording machine. 2,242,908; May 20.

Garrison Machine Works, Incorporated. (See Garrison, Ralph P., assignor.)

Garrison, Ralph P., assignor to Garrison Machine Works, Incorporated, Dayton, Ohio. Gear chuck. 2,242,823; May 20.

Gathmann, Emil, Baltimore, assignor to Gathmann Research Incorporated, Catonsville, Md. Ingot mold and ingot. 2,242,703; May 20.

Gathmann Research Incorporated. (See Gathmann, Emil, assignor.)

Geffroy, Ralph N. (See Snyder, G. J., and Geffroy.)

Geffroy, Ralph N., assignor to Mastic Asphalt Corporation, South Bend, Ind. Panel carrier. 2,243,032; May 20.

Gelbig, Frank C. (See Bucknam, J. H., Young, and Gelbig.)

Geigy, J. R., S. A. (See Schäfer, J., and Biedermann, assignors.)

Geisler, Walter. (See Osswald, P., and Geisler.)

General Aniline & Film Corporation. (See Bauer, Wilhelm, assignor.)

General Aniline & Film Corporation. (See Burneleit, Willy, assignor.)

General Aniline & Film Corporation. (See Delfs, D., and Stein, assignors.)

General Aniline & Film Corporation. (See Eckert, W., and Schilling, assignors.)

General Aniline & Film Corporation. (See Frankenberger, W., Herbst, and Schulz, assignors.)

General Aniline & Film Corporation. (See Hoyer, H., Schröter, and Rinke, assignors.)
General Aniline & Film Corporation. (See Kochendoerfer, G., Mueller, Eistert, and Retter, assignors.)
General Aniline & Film Corporation. (See Lehmann, Erich, assignor.)
General Aniline & Film Corporation. (See Schoeller, C., Schwen, and Kraemer, assignors.)
General Aniline & Film Corporation. (See Stein, Gerhard, assignor.)
General Aniline & Film Corporation. (See Ulrich, H., and Kuespert, assignors.)
General Electric Company. (See Kingdon, K. H., and Lawton, assignors.)
General Electric Company. (See Spiro, Benjamin E., assignor.)
General Electric Company. (See Steenstrup, Carl H., assignor.)
General Electric X-Ray Corporation. (See Brown, James G., assignor.)
General Motors Corporation. (See Bales, Max G., assignor.)
General Motors Corporation. (See Brackett, Tracy E., assignor.)
General Motors Corporation. (See Frank, Mark H., assignor.)
General Motors Corporation. (See Georgiev, Alexander M., assignor.)
General Motors Corporation. (See Hartzell, Herman L., assignor.)
General Motors Corporation. (See Werner, Calvin J., assignor.)
General Tire & Rubber Company, The. (See Dodge, Howard M., assignor.)
General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
George, Harry S., Massapequa, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Method and apparatus for heat-treating rails. 2,242,882; May 20.
Georgiev, Alexander M., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Conductor mounting for capacitor motors. 2,242,780; May 20.
Gericke, Paul H. (See Giesen, J., Hanisch, and Gericke.)
Gideon, Victor W., assignor to Boyar-Schultz Corporation, Chicago, Ill. Grinding machine. 2,242,781; May 20.
Giesen, Johann, H. Hanisch, and P. H. Gericke, Leuna, Kreis Merseburg, Germany, assignors, by mesne assignments, to W. E. Currie, New York, N. Y. Purification of synthetic methanol. 2,242,463; May 20.
Gilbert & Parker Manufacturing Company. (See Hope, Stanley C., assignor.)
Gillis, George H., Fitchburg, Mass. Shoe tongue. 2,242,353; May 20.
Githens, Otto W., and G. Kende, New York, and E. M. Porter, Brooklyn, assignors to Universal Camera Corporation, New York, N. Y. Motion picture projector. 2,242,464; May 20.
Glennon, Edward J., assignor to Comar Electric Co., Chicago, Ill. Switch stack assembly. 2,242,971; May 20.
Globe-Union Inc. (See Rubinstein, Harry W., assignor.)
Glover, Harry J., San Bernardino, Calif. Wedge. 2,242,859; May 20.
Godber, George R., Los Angeles, Calif. Construction for electric storage batteries. 2,242,671; May 20.
Godber, George R., Los Angeles, Calif. Battery cell cover. 2,242,672; May 20.
Godwin, William C., Albany, Tex. Scraper. 2,242,704; May 20.
Goldschmidt, Th., Corporation, The. (See Fulda, W., Wiedbrauck, and Büche, assignors.)
Good, Paul E., Riberton, N. J. Tube cleaner motor. 2,243,005; May 20.
Gordon, Isaac, Schenectady, N. Y. Water spraying airplane. 2,242,705; May 20.
Gottlieb, Emanuel B., Brooklyn, and M. A. Besozzi, Waspeth, Long Island, N. Y., assignors to R. Kesler, Tow Path, New Hope, Pa. Game device and impeller therefor. 2,242,909; May 20.
Grant, Homer H., Olympia, Wash. Rotatable vehicle seat. 2,242,247; May 20.
Grau, Herbert E., Vernon, asssignor to Byron Jackson Co., Vernon, Calif. Elevator link and handle. 2,242,783; May 20.
Graves, James R., Sadorus, Ill. Tire scraping device. 2,242,608; May 20.
Graviner Manufacturing Company Limited. (See Salmond, H. M., and Mathisen, assignors.)
Gray, Charles B., Millbourne, Pa. Nibbling machine. 2,242,782; May 20.
Grayson Heat Control, Ltd. (See Dynes, Kenneth L., assignor.)
Great Southern Box Company. (See Olivier, Paul E. A., assignor.)
Green, James H., West Orange, and G. H. St. John, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Automatic exhaust gas filling, and operating circuit control. 2,242,465; May 20.
Greenewalt, Crawford H., and H. Worthington, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Vaporization of adipic acid. 2,242,466; May 20.
Greenfield Tap and Die Corporation. (See Koehler, O. E., and Ashley, assignors.)
Gregory, Charles A., Isabella, A. J. Morell, Virginia, and Q. J. Meeuwsen, Duluth, Minn., dedicated to the free use of the People in the territory of the United States. Plow. 2,242,426; May 20.
Grettie, Donald P., assignor to Industrial Patents Corporation, Chicago, Ill. Treatment of gelatin. 2,242,883; May 20.
Griffis, Arthur M., Youngstown, Ohio. Container and applier. 2,242,947; May 20.
Griswold, Stanley M., Newton, and R. K. Nash, Brookline, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for reinforcing insoles. 2,242,248; May 20.
Grundborg, Olaf, Fairhaven, N. J. Hydraulic mining apparatus. 2,242,520; May 20.
Gulliksen, Finn H., Pittsburgh, assignor to The Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric discharge apparatus. 2,242,948; May 20.
Guy, Cecil L., Crystal Springs, Miss. Ball dispensing attachment for pool tables. 2,242,392; May 20.
Haack, Erich, assignor to Chemische Fabrik Von Heyden Aktiengesellschaft, Radebeul, near Dresden, Germany. Quaternary compounds of the pyridine series and process for the production of the same. 2,242,211; May 20.
Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Seat construction. 2,242,884; May 20.
Hagemans, Karel L., Leiden, assignor to Hermannus van Tongeren, Heemstede, Netherlands. Cleaning coal fired boiler installations. 2,242,354; May 20.
Hahnemann, Walter M., Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany. Radio control system for guiding aircraft. 2,242,910; May 20.
Hallisy, James, Parma, Ohio. Building mold. 2,242,973; May 20.
Halsey, Edward S., Arlington, Va. Ironing cord carry arm. 2,242,298; May 20.
Hamer, Leland S., Long Beach, Calif. Orifice plate or line blind. 2,242,467; May 20.
Hamilton Manufacturing Company. (See Froelich, George E., assignor.)
Hammar, Samuel H., Stambaugh, Mich. Adjustable clothesline prop. 2,242,609; May 20.
Hampe, Friedrich. (See Herrmann, W., and Hampe.)
Hanawalt, Joseph D., and L. K. Frevel, assignors to The Dow Chemical Company, Midland, Mich. Making magnesium. 2,242,721; May 20.
Hanger, Arnold. (See Parker, L. F., and Hanger.)
Hanhart, Walter. (See Straub, F., and Hanhart.)
Hanisch, Helmut. (See Giesen, J., Hanisch, and Gericke.)
Hankins, Frederick W., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Springing for railway trucks. 2,242,212; May 20.
Hansen, Marius H., Chicago, Ill., assignor, by mesne assignments, to Hanson Scale Company. Weighing scale. 2,242,949; May 20.
Hansen, William W. (See Varian, S. F., and Hansen.)
Hanson, Charles S., Wellington, Kans. Automatic door control. 2,242,706; May 20.
Hanson Scale Company. (See Hansen, Marius H., assignor.)
Hanzlik, Henry J., Swarthmore, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Turbine gland. 2,242,673; May 20.
Harbert, Carl J., Shaker Heights, assignor to The Harshaw Chemical Company, Elyria, Ohio. Colored pigment. 2,243,033; May 20.
Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective relaying equipment. 2,242,950; May 20.
Harder, Edwin L., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective relaying equipment. 2,242,951; May 20.
Harding, R. E. (See Lightfoot, Byron S., assignor.)
Harrington, Paul J., Mountainside, and G. D. Priestman, Hillside, N. J., assignors to Standard Oil Development Company. Vapor recovery system. 2,242,299; May 20.
Harris, Ernest D., Amarillo, Tex. Drapery holder. 2,242,355; May 20.
Harrison, Hugh A., assignor of one-half to H. R. Harrison, Dallas, Tex. Cable hoist. 2,242,393; May 20.
Harrison, Hugh R. (See Harrison, Hugh A., assignor.)
Harriss, Belle C., New York, N. Y. Ring-lighter. 2,242,394; May 20.
Harshaw Chemical Company, The. (See Harbert, Carl J., assignor.)
Hartanov, Andrew S., assignor to Swift and Company, Chicago, Ill. Carcass treatment. 2,242,300; May 20.
Hartmann, Werner, Berlin-Zehlendorf, and H. Wulfhekel, Berlin-Steglitz, assignors to Fernseh Aktiengesellschaft, Berlin-Zehlendorf, Germany. Electron emissive cathode. 2,242,395; May 20.
Hartzell, Herman L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Condenser. 2,242,784; May 20.
Harvel Corporation, The. (See Harvey, Mortimer T., assignor.)

Harvey, Mortimer T., East Orange, N. J., assignor to The Harvel Corporation. Composition of matter and method and step of making and using the same. 2,242,911; May 20.
Haslam, Robert, Philadelphia, Pa. Door opening mechanism. 2,242,647; May 20.
Haynes, Lionel L., Bromsgrove, England. Locking bolt or fastening device. 2,242,707; May 20.
Hazeltine Corporation. (See Hergenrother, Rudolf C., assignor.)
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Healy, Catherine L., Attleboro, Mass. Combined novelty wind musical instrument and bracelet, finger ring, and the like. 2,242,912; May 20.
Heanue, James E., Limerick, assignor to The United Pipe and Supply Company, Inc., Norristown, Pa. Tubular railing and fence construction. 2,242,427; May 20.
Heberlein Patent Corporation. (See Wolf, Edgar, assignor.)
Heckin Can Company, The. (See Marx, Frederick C., assignor.)
Heilbron, Isidor M., London, F. Irving, Manchester, and R. P. Linstead, Sheffield, England, assignors to Imperial Chemical Industries Limited. Coloring matter of the phthalocyanine type. 2,242,301; May 20.
Heilman, Joseph R. (See Russell, W. J., and Heilman.)
Heiner, Glen P., Salt Lake City, Utah. Removable sneiless fly box. 2,242,521; May 20.
Heiner, Glen P., Salt Lake City, Utah. Removable slide fastener pocket and leader pocket. 2,242,522; May 20.
Heins, Harold, Dorchester, assignor to Hygrade Sylvania Corporation, Salem, Mass. Fluorescent indicating device. 2,243,034; May 20.
Heinzel, Joseph, Copiague, N. Y. Control mechanism. 2,242,885; May 20.
Hemphill Company. (See Gagne, Augustin, assignor.)
Hemphill Company. (See Lovell, Roy F., assignor.)
Hennig, Josef. (See Vollbach, W., and Hennig.)
Henry, David L., assignor of one-half to E. B. Wall, Shreveport, La. Adjustable support for rotaries. 2,242,722; May 20.
Henry, Donald E. (See Rentschler, H. C., and Henry.)
Herbst, Max. (See Frankenburger, W., Herbst, and Schulz.)
Hercules Powder Company. (See De Laney, William W., assignor.)
Hercules Powder Company. (See Langmeier, Arthur, assignor.)
Hergenrother, Rudolf C., Beechhurst, N. Y., assignor to Hazeltine Corporation. Video-frequency signal-generating apparatus. 2,242,952; May 20.
Herrmann, Walter, F. Hampe, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Aryl arsine oxides. 2,242,581; May 20.
Hess, William F., Pawtucket, R. I., assignor to Armbrust Chain Company. Automatic chain machine. 2,242,824; May 20.
Hilkemeier, Louis G., assignor to Chain Belt Company, Milwaukee, Wis. Reversible power transmission. 2,243,035; May 20.
Hines, Hazel K. (See Hines, R. J., and Collings, assignors.)
Hines, Russell J., Lakewood, and D. A. Collings, Cleveland, assignors, by mesne assignments, to H. K. Hines, Lakewood, Ohio. Jacket. 2,242,523; May 20.
Hirschland, Leo, San Francisco, Calif., and G. Schmidt, Mainz, Germany. Condenser electrode for short-wave and ultra-short-wave therapy and method for storing the same. 2,242,886; May 20.
Hoe, R., & Co. (See Huck, William F., assignor.)
Hoefling Brothers. (See Hoefling, John W. and P. M., assignors.)
Hoefling, John W. and P. M., assignors to Hoefling Brothers, Sacramento, Calif. Cottonseed delinter. 2,242,302; May 20.
Hoefling, Philip M. (See Hoefling, John W. and P. M.)
Hofferbert, Raymond P. (See Schroy, P. C., and Hofferbert.)
Hoke, Harry A., Altoona, and S. P. Lloyd, Narberth, assignors to The Pennsylvania Railroad Company, Philadelphia, Pa. Locomotive firebox. 2,242,213; May 20.
Holdgate, John C., W. P. Donald, and D. A. McArthur, assignors to The Wean Engineering Company, Warren, Ohio. Scrap chopper for edge trimming shears. 2,242,887; May 20.
Hollmann, Hans E., assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Ultra short wave oscillation generator. 2,242,888; May 20.
Holophane Company. (See Rolph, Thomas W., assignor.)
Holm, Carl, assignor to Economic Machinery Company, Worcester, Mass. Labeling machine. 2,242,974; May 20.
Holt, Harold P., New York, N. Y., assignor to Fairbanks, Morse & Co., Chicago, Ill. Clutch device. 2,242,674; May 20.
Holub, John J., Cicero, Ill. Return-duct connection for furnaces. 2,242,468; May 20.
Hönel, Herbert, Vienna, and Alois Zinke, Graz, Austria, assignors, by mesne assignments, to Reichhold Chemicals, Inc., Detroit, Mich. Resinous condensation products and making them. 2,242,250; May 20.
Hooper, Frederick E., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for finishing the edges of shoe parts. 2,242,428; May 20.
Hoover Company, The. (See Coons, Curtis C., assignor.)
Hope, Stanley C., Guilford, Conn., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Gasoline hose and hose handling apparatus. 2,242,749; May 20.
Horn and Hardart Baking Co. (See Cunningham, James W., assignor.)
Horn, Merl E. (See Ludwig, L. R., and Horn.)
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Accessory system for motor vehicles. 2,243,036; May 20.
Horton, Frank, assignor to Foreign Rights (Precision Meters) Limited, London, England. Zeroizing means for indicating mechanisms. 2,242,356; May 20.
House, Charles M. (See Shoemaker, R. J., and House.)
House, Frank R., Baldwin Harbor, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Listening helmet for sound locators. 2,242,953; May 20.
Houston, John S., Waverly, Ala. Wheel pulling device. 2,243,006; May 20.
Howarth, Harry A. S. (See Kingsbury, A., and Howarth.)
Hoyer, Hans, Leverkusen-I. G. Werk, R. Schröter, Leverkusen-Schlebusch, and H. Rinke, Leverkusen-Kupferstieg, Germany, assignors to General Aniline & Film Corporation. Dyestuffs of the phthalocyanine series. 2,242,469; May 20.
Hoza, John, Belcamp, Md. Apparatus for the manufacture of figured, covered knitted fabric. 2,243,007; May 20.
Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Distributing device for printing machines. 2,242,214; May 20.
Huelle, Adolph, McClelland, Iowa. Loading device. 2,242,860; May 20.
Huenefeld Company, The. (See Dulaney, Paul L., assignor.)
Hunt, Henry J., assignor of one-half to S. Amundsen, Chicago, Ill. Hedge trimmer. 2,242,524; May 20.
Huntsberry, William B., et al. (See Lewis, Ellis E., assignor.)
Hydraulic Brake Company. (See Swift, Harvey C., assignor.)
Hygrade Sylvania Corporation. (See Heins, Harold, assignor.)
Hygrade Sylvania Corporation. (See McClintock, Raymond K., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Eggert, J., and Nissen, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Noll, Walter, assignor.)
Imperial Brass Manufacturing Company. (See Fanslow, Robert B., assignor.)
Imperial Brass Manufacturing Company. (See McIntosh, Robert D., assignor.)
Imperial Chemical Industries Limited. (See Heilbron, I. M., Irving, and Linstead, assignors.)
Industrial Patents Corporation. (See Grettie, Donald P., assignor.)
Ingersoll-Rand Company. (See Naab, Julius, assignor.)
Ingrassia, Leonardo, Massapequa, assignor to H. L. Burkitt, New York, N. Y. Hair-curling device. 2,242,913; May 20.
Ingwer, Carl H., Elyria, assignor to The Ridge Tool Company, North Ridgeville, Ohio. Diestock. 2,242,954; May 20.
Interlake Iron Corporation. (See Vissering, Harry, assignor.)
International Nickel Company. (See Kihlgren, Theodore E., assignor.)
International Smelting & Refining Company. (See Weaver, Elbert F., assignor.)
Inventio Patentverwertungs-Aktiengesellschaft. (See Szalay, Ferenc, assignor.)
Irmischer, Paul H., Chicago, Ill. Swivel joint. 2,242,303; May 20.
Irving, Francis. (See Heilbron, I. M., Irving, and Linstead.)
Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Rolling mill. 2,243,010; May 20.
Jacobsson, Wilgot J. (See Jones, H. W., and Jacobsson.)
Jacobus, Nelson L., Hempstead, assignor to The Electro Chemical Engraving Company, New York, N. Y. Illuminating device. 2,242,750; May 20.
Jahrstorfer, Michael. (See Schlecht, H., and Jahrstorfer.)
Janssen, Hendrik J. J., The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Recovering metal values from fuels. 2,242,675; May 20.
Jencick, Stephen, Chagrin Falls, assignor of two-fifths to L. L. Williams, Cleveland, Ohio. Fuel pump. 2,242,582; May 20.
Jobe, Frederick W., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Interpupillary distance gauge. 2,242,723; May 20.
Johansen, Einar K., assignor to Clearing Machine Corporation, Chicago, Ill. Combined fluid pressure clutch, brake, and flywheel. 2,242,396; May 20.
Johansson, John T., assignor to Aktiebolaget Radius, Stockholm, Sweden. Oilstove. 2,242,470; May 20.
Johnson, Alfred. (See Niles, G. H., and Johnson.)

Johnson, Edwin W., Trumbull, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Universal joint. 2,242,215; May 20.

Johnson, Harry C., assignor to Self-Locking Carton Co., Chicago, Ill. Egg cartoning machine and method. 2,242,304; May 20.

Johnson Laboratories, Inc. (See Schaper, William A., assignor.)

Johnson, Leonard A., Ellendale, Minn. Key case. 2,243,008; May 20.

Johnson-March Corporation. (See Kleinicke, Werner E., assignor.)

Johnson, Louis B., Baltimore, Md. Joint for road construction. 2,242,610; May 20.

Johnson, Maxwell O., Wahiawa, Hawaii, assignor to California Packing Corporation. Plant treatment. 2,242,429; May 20.

Jones, Homer W., Westfield, and W. J. Jacobsson, Scotch Plains, N. J., assignors to Oxweld Acetylene Company. Blowpipe. 2,242,471; May 20.

Jones, Maldwyn E., Ferguson, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor structure. 2,242,825; May 20.

Josselyn, John, et al., administrators. (See de la Cierva, Juan.)

Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft. (See Schultz, E., and Bielitz, assignors.)

Junkers Flugzeug-und-Motorenwerke A. G. (See Stein, Wolfgang, assignor.)

Jurs, Albert E., Piedmont, Calif. Hydraulic actuator. 2,242,676; May 20.

Kaber, Rex, Wayne, Pa. Combined bouquet holder and support. 2,242,975; May 20.

Kaber, Rex, Wayne, Pa. Corsage support for the hair. 2,242,976; May 20.

Kahn, Albert, Inc. (See Saulson, Saul, assignor.)

Kahlisch, Gustav. (See Reiners, W., and Kahlisch.)

Kammüller, Karl, Karlsruhe-Ruppurr, and R. Scheibe, Oberhausen-Holten, Germany. Manufacture of magnesia concretes. 2,242,785; May 20.

Kaneski, John A. (See Koski, Carlo D., assignor.)

Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lock-stitch sewing machine. 2,242,955; May 20.

Kater, Joseph A., Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,242,397; May 20.

Kearney & Trecker Corporation. (See Armitage, Joseph B., assignor.)

Keeler, Earl A., Norristown, assignor to The Brown Instrument Company, Philadelphia, Pa. Indicating defects in thread. 2,242,889; May 20.

Keeler, Earl A., Norristown, assignor to The Brown Instrument Company, Philadelphia, Pa. Indicating defects in thread. 2,242,890; May 20.

Keeler, Raymond W., Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Snow plow. 2,242,472; May 20.

Keeler, Raymond W., Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Snowplow. 2,242,826; May 20.

Keene, Edward W. W., Kingston-Upon-Hull, England. Rotary filter. 2,242,861; May 20.

Keevil, Henry W. (See Barnes, W. C., and Keevil.)

Kelsey-Hayes Wheel Company. (See McClenahen, Wright J., assignor.)

Kelsey-Hayes Wheel Company. (See Whitten, Owen M., assignor.)

Kemp, C. M., Manufacturing Company, The. (See Fisher, Andrew J., assignor.)

Kende, George. (See Githens, O. W., Kende, and Porter.)

Kenley, R. A., et al. (See Bruner, Rea M., assignor.)

Kennecott Wire and Cable Company. (See Fogg, Leigh R., assignor.)

Kesler, Robert. (See Gottlieb, E. B., and Besozzi, assignors.)

Kinatome Patents Corporation. (See Foster, W. D., and Parmelee, assignors.)

Kihlgren, Theodore E., West New Brighton, Staten Island, assignor to The International Nickel Company, Inc., New York, N. Y. Nickel alloy. 2,242,865; May 20.

Kingdon, Kenneth H., Schenectady, and E. J. Lawton, Scotia, N. Y., assignors to General Electric Company. Pool-type discharge device. 2,242,786; May 20.

Kingsbury, Albert, Greenwich, Conn., and H. A. S. Howarth, Philadelphia, assignors, by mesne assignments, to Mesta Machine Company, West Homestead, Pa. Rolling mill and bearing therefor. 2,243,009; May 20.

Kirchhof, Julius, Baltimore, Md., assignor to Societe d'Exploitation des Procedes Dabeg, Paris, France. Locomotive valve actuating mechanism. 2,243,055; May 20.

Kirlin, Ivan M., Detroit, Mich. Illuminating device. 2,242,525; May 20.

Kistler, Samuel S., West Boylston, and C. E. Barnes, assignors to Norton Company, Worcester, Mass. Grinding wheel. 2,243,049; May 20.

Kleinicke, Werner E., Coalwood, W. Va., assignor to The Johnson-March Corporation, New York, N. Y. Composition for treating coal. 2,242,398; May 20.

Knapp, Edward W., Hampstead, assignor to The Shawinigan Water & Power Company, Montreal, Quebec, Canada. Electrical transmission line fault finding system. 2,242,956; May 20.

Kneibler, Arthur R., assignor to Coopers Incorporated, Kenosha, Wis. Undergarment. 2,242,526; May 20.

Kniesner, William T., et al. (See Smithwick, James, assignor.)

Kniesner, William T., Larchmont, N. Y., assignor to one-fourth to M. D. Pickens, Meadville, Pa., and one-fourth to F. D. Stephens, Washington, D. C. Mechanical toy. 2,242,724; May 20.

Knowles, Frank W., Seattle, Wash. Quick freezing of packaged foodstuffs. 2,242,527; May 20.

Knowles, Lloyd G., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for operating on sole members. 2,242,473; May 20.

Knowlton, M. D., Company. (See De Smith, Henry, assignor.)

Knox, Walter F., Montrose, S. Dak. Tobacco can attachment. 2,242,914; May 20.

Kochendoerfer, Gerd, Ludwigshafen-on-the-Rhine, W. Mueller, Cologne, B. Eistert, Ludwigshafen-on-the-Rhine, and W. Retter, Cologne-Deutz, Germany, assignors to General Aniline & Film Corporation. Water-soluble basic dyestuffs. 2,242,474; May 20.

Koehler, Oscar E., and R. L. Ashley, assignors to Greenfield Tap and Die Corporation, Greenfield, Mass. Tool chuck. 2,242,305; May 20.

Kolbe, Joachim, Detroit, Mich. Automotive vehicle. 2,242,584; May 20.

Koppers Company. (See Koppers, Heinrich, assignor.)

Koppers Company. (See Powell, Alfred R., assignor.)

Koppers, Heinrich, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Contrivance of producing water gas in horizontal coke ovens. 2,242,306; May 20.

Koski, Carlo D., assignor to one-half to J. A. Kaneski, Minneapolis, Minn. Resilient wheel. 2,242,915; May 20.

Kozlbroda, John, Hamtramck, Mich. Stitch-forming mechanism. 2,242,528; May 20.

Kozlovskis, Oskar, New York, N. Y. Knob assembly. 2,242,866; May 20.

Kraemer, Georg. (See Schoeller, C., Schwen, and Kraemer.)

Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Coupling. 2,242,216; May 20.

Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Balancing tires. 2,242,430; May 20.

Krings, Walter. (See Zintl, E., Krings and Brüuning.)

Kroll, Nathan J. (See Kroll, Samuel, and N. J.)

Kroll, Samuel, and N. J., Chicago, Ill. Adjustable spring for cribs. 2,242,307; May 20.

Kroll, Samuel, and N. J., Chicago, Ill. Combined wardrobe and crib. 2,242,357; May 20.

Kroon, Reinout P., Swarthmore, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Shroud fastening for turbine blades. 2,242,308; May 20.

Kuespert, Karlhugo. (See Ulrich, H., and Kuespert.)

Kuck, Henry G., Peoria, Ill. Sifter. 2,242,583; May 20.

Kuhn, Charles, Oakland, Calif. Knife guard. 2,243,037; May 20.

Kunen, Julius, Brooklyn, N. Y. Animated amusement device. 2,242,611; May 20.

Kürth, Rudolf, Babelsberg, near Berlin, Germany. Fire extinguishing system. 2,242,399; May 20.

Ladaga, Joseph, et al. (See Walsh, Thomas J., assignor.)

Lamia, Joseph L., Bayside, N. Y. Creasing device. 2,243,061; May 20.

Lancaster, John T., Newton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Assembling machine. 2,242,251; May 20.

Lancaster, Raymond D., Ashtabula, Ohio. Sponge rubber fly. 2,242,708; May 20.

Langmeier, Arthur, assignor to Hercules Powder Company, Wilmington, Del. Producing resin soap. 2,242,529; May 20.

Langsner, Adolph, assignor to Eugene Dietzgen Co., Chicago, Ill. Drafting device. 2,242,827; May 20.

Langsner, Adolph, assignor to Eugene Dietzgen Co., Chicago, Ill. Drafting device. 2,242,828; May 20.

La Plant-Choate Manufacturing Co. Inc. (See Austin, Ellsworth W., assignor.)

La Rocca, Joseph, Cleveland, Ohio. Animal trap. 2,242,648; May 20.

Larus & Brother Co. Inc. (See Wysong, James R., assignor.)

Lawton, Elliott J. (See Kingdon, K. H., and Lawton.)

Lazier, Wilbur A., and G. W. Rigby, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Purifying nitriles. 2,242,309; May 20.

Leach, James R. (See Singer, Henry, assignor.)

Lee, Reuben, Catonsville, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Iron-core transformer construction. 2,242,359; May 20.

Lehmann, Erich, Priorau, Kreis Bitterfeld, Germany, assignor to General Aniline & Film Corporation, New York, N. Y. Dibenzo-acridines. 2,242,585; May 20.

Lehr, Edwin E. (See Lessmann, G. P., and Lehr.)

Leighton, Lester B., Richmond Heights, and C. J. Vogt, Lemay, assignors to The Sandusky Cooperage & Lumber Company, St. Louis, Mo. Container. 2,242,829; May 20.

Leland Stanford Junior University, Board of Trustees of, The. (See Varian, Russell H., assignor.)

Leland Stanford Junior University, Board of Trustees of, The. (See Varian, S. F., and Hansen, assignors.)

Lempereur, Maurice. (See Fourmarier, P., Jr., and Lempereur.)

Leonard, Frederick C., Cranston, R. I. Thermostatic regulator. 2,242,649; May 20.

Leonardon, Eugene G., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Determining the beds traversed by drill holes. 2,242,612; May 20.

Lessmann, Gerhard P., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Tensiometer control. 2,242,358; May 20.

Lessmann, Gerhard P., Wilkinsburg, and E. E. Lehr, Edgewood, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Induction regulator. 2,242,360; May 20.

Leusch, Victor W., assignor to South Bend Bait Company, South Bend, Ind. Fishing lure. 2,242,726; May 20.

Lewis, Ellis E., assignor of one-third to L. Eubanks and one-third to W. B. Huntsberry, Leesville, La. Tumbler washer. 2,242,361; May 20.

Leyland and Birmingham Rubber Company, Limited, The. (See Butcher, H. J., and Lunn, assignors.)

Libby, Tyng M., Seattle, Wash. Radio direction finder. 2,242,530; May 20.

Lieberherr, Arthur, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Fuel burning device. 2,242,787; May 20.

Light, Oliver A., East Orange, N. J. Storage rack. 2,242,891; May 20.

Light, Oliver A., East Orange, N. J. Storage rack. 2,242,892; May 20.

Lightfoot, Byron S., Dallas, assignor of one-half to R. E. Harding, Raymondville, Tex. Pumping unit and power machine. 2,242,252; May 20.

Linder, Sidney, New York, N. Y. Bridge score sheet holder. 2,242,893; May 20.

Line Material Company. (See Ruggieri, Michael, assignor.)

Linstead, Reginald P. (See Heilbron, I. M., Irving, and Linstead.)

Lipsky, Jean. (See Brice, L. P., and Lipsky.)

Lisle Corporation. (See Lisle, Charles V., assignor.)

Lisle, Charles V., assignor to Lisle Corporation, Clarinda, Iowa. Magnetic plug. 2,242,830; May 20.

Lloyd, Samuel P. (See Hoke, H. A., and Lloyd.)

Loane, Clarence M., and B. H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Extreme pressure lubricant 2242,400; May 20.

Lodge, Walter G., assignor to Continental Steel Corporation, Kokomo, Ind. Nail. 2,242,862; May 20.

Löfvenmark, Karl E., Traneberg, assignor to Bolinder's Fabriks Aktiebolag, Stockholm, Sweden. Furnace for solid fuel. 2,242,709; May 20.

London, Loo R., Burley, Idaho. Extruder. 2,242,863; May 20.

Longyear, E. J., Company. (See Anderson, Olof B., assignor.)

Loomis, Francis E., Kearney, Nebr. Distributor attachment for lawn mowers. 2,242,710; May 20.

L'Orange, Prosper, Stuttgart-Feuerbach, Germany, deceased; R. L'Orange, executor. Injector for internal combustion engines. 2,243,011; May 20.

L'Orange, Rudolf, executor. (See L'Orange, Prosper, assignor.)

Lorenz, C., Aktiengesellschaft. (See Hahnemann, Walter M., assignor.)

Loughridge, Matthew H., Bogota, N. J. Siphon. 2,242,401; May 20.

Lovell, Roy F., Providence, assignor to Hemphill Company, Central Falls, R. I. Knitted fabric and method. 2,242,957; May 20.

Loy, Burt S., Port Arthur, Tex. Ventilating device. 2,242,310; May 20.

Lubri-Zol Development Corporation. (See Prutton, Carl F., assignor.)

Lucey, Daniel D., Los Angeles, Calif. Stretcher. 2,242,311; May 20.

Lucke, Charles E., New York, assignor to The Babcock & Wilcox Company, Newark, N. J. Method of and apparatus for burning fluid fuel. 2,242,797; May 20.

Lucker, Millard B., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich. Jack. 2,242,431; May 20.

Luckhaupt, Christopher, Jamaica, N. Y. Apparatus for making pile fabrics. 2,242,864; May 20.

Ludwig, Leon R., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,243,038; May 20.

Ludwig, Leon R., Wilkinsburg, and M. E. Horn, Edgewood, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,243,039; May 20.

Ludwig, Leon R., H. L. Rawlins, and R. H. Nau, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,243,040; May 20.

Lukacs, Friedrich, Berlin-Wilmersdorf, Germany. Heat exchanger. 2,242,432; May 20.

Lumbermens Mutual Casualty Company. (See Anderson, Carl H., assignor.)

Lunn, Reginald W. (See Butcher, H. J., and Lunn.)

Luzerne Rubber Company, The. (See Nicholas, Andrew J., assignor.)

Lyle, Frederick W., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,242,894; May 20.

Lyman, Joseph, Huntington, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Deviometer. 2,242,253; May 20.

Lyon Metal Products, Incorporated. (See O'Connor, John B., assignor.)

Machta, Ludwig, Marburg, Germany. Geophysical apparatus. 2,242,312; May 20.

MacDonald, Howard G., Murraysville, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker mechanism. 2,242,916; May 20.

MacMahon, James D., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Cleansing and disinfecting process. 2,242,315; May 20.

Makaroff, Vadim S., New York, N. Y. Automobile lift. 2,242,433; May 20.

Mandl, Siegmund, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Torque wrench. 2,242,613; May 20.

Mann, Eugene J. (See Thoke, W. P., and Mann.)

Mansfield, William E., Garfield Heights, assignor, by mesne assignments, to Cleveland Tungsten, Inc., Cleveland, Ohio. Increasing the hardness of fabricated ductile metals of the chromium group. 2,242,254; May 20.

Mantz, Aloysius F., assignor to Duplex Incorporated, Los Angeles, Calif. Spring sash balance. 2,242,650; May 20.

Manufacture Generale Metallurgique, Société Anonyme. (See Cito, Camillo, assignor.)

Marbach, Frank G., assignor to Morrison Products, Inc., Cleveland, Ohio. Making blowers. 2,242,586; May 20.

Marbury, Ralph E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric water heater system. 2,242,362; May 20.

Marcos, Cleopatra, St. Paul, Minn. Diaper. 2,242,977; Margolis, Abraham E., London, England. District heating plant. 2,242,651; May 20.

Marks, Anthony, Youngstown, Ohio. Safety inner tube. 2,242,788; May 20.

Marran, John S., Stamford, Conn., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Heat-resisting stencil film. 2,242,313; May 20.

"Marschall" Auto-Motorradteile-Vertrieb Körnig & Co. Kom. Ges. (See Vollbach, W., and Hennig, assignors.)

Martin, Fred P., Topeka, Kans. Mowing machine. 2,242,917; May 20.

Martin, James L. (See Donald, W. G., and Martin.)

Martin, Parker B., and G. J. Brew, assignors to Aviation Manufacturing Corporation, Williamsport, Pa. Control device for aircraft. 2,242,314; May 20.

Martin, William H., Pleasant Ridge, Mich. Welding machine. 2,242,867; May 20.

Martin, William O., Fort Smith, Ark. Stoker. 2,242,587; May 20.

Marx, Frederick C., Cincinnati, assignor to The Heekin Can Company, Norwood, Ohio. Can handling apparatus. 2,242,531; May 20.

Marx, Frederick C., Cincinnati, assignor to Heekin Can Company, Norwood, Ohio. Can righting mechanism. 2,242,532; May 20.

Mastic Asphalt Corporation. (See Geffroy, Ralph N., assignor.)

Mastic Asphalt Corporation. (See Snyder, G. J., and Geffroy, assignors.)

Mather, Percy, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,242,255; May 20.

Mathews Conveyer Company. (See Anderson, Martin J., assignor.)

Mathews Conveyer Company. (See Bisset, William, assignor.)

Mathieson Alkali Works, Inc., The. (See MacMahon, James D., assignor.)

Mathisen, Anders. (See Salmond, H. M., and Mathisen.)

Mawbey, Lawrence. (See Elliott, H. E., and Mawbey.)

Maxwell, Frank R., Rose Valley, assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa. Method and apparatus for treating sewage. 2,242,652; May 20.

Maxwell, Frank R., Rose Valley, assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa. Incinerator. 2,242,653; May 20.

Maxwell, Weyman E., assignor to The Standard Electric Time Company, Springfield, Mass. Impulse-timepiece. 2,242,654; May 20.

Maxwell, Weyman E., assignor to The Standard Electric Time Company, Springfield, Mass. Impulse-timepiece. 2,242,655; May 20.

McArthur, Donald A. (See Holdgate, J. C., Donald, and McArthur.)

McCarthy, Joseph T. (See Brown, Donovan W., assignor.)

McCaslin, Walton L., assignor to Armour and Company, Chicago, Ill. Apparatus for depilating food carcasses. 2,242,402; May 20.

McClenahen, Wright J., Dearborn, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake mechanism. 2,242,790; May 20.
McClintock, Raymond K., Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass. Television tube. 2,243,041; May 20.
McCollum, Henry J. D., Evanston, Ill. Automobile heater. 2,242,316; May 20.
McFarland, Owen D., assignor to Roofing Machinery Mfg. Co., Chicago, Ill. Accumulator. 2,242,751; May 20.
McFee, Vernon R., Kalamazoo, Mich. Method and apparatus for injecting fertilizer into the soil. 2,242,789; May 20.
McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Heating system. 2,242,588; May 20.
McIntosh, Robert D., River Forest, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Flaring tool. 2,242,831; May 20.
McManus, Charles E., Spring Lake, N. J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Cap. 2,242,256; May 20.
McMullen, George, Rochester, N. Y. Clear vision windshield for automobiles and other vehicles. 2,243,012; May 20.
McNeil Machine & Engineering Company, The. (See Soderquist, Leslie E., assignor.)
Meeuwsen, Quentin J. (See Gregory, C. A., Morell, and Meeuwsen.)
Meighan, William A., Portland, Oreg. Fastening ropes to fittings. 2,242,533; May 20.
Mendius, William. (See Baker, H. J., Jr., and Mendius.)
Mennesson, Marcel, Neuilly-sur-Seine, assignor to Societe Anonyme Solex, Neuilly-sur-Seine, Seine, France. Governor device for internal combustion engines. 2,242,832; May 20.
Mesta Machine Company. (See Iversen, Lorenz, assignor.)
Mesta Machine Company. (See Kingsbury, A., and Howarth, assignors.)
Metcalf, Arthur G. B., Milton, assignor to Photoswitch Incorporated. Cambridge, Mass. Light hood. 2,242,317; May 20.
Meyer, Adolph F., Minneapolis, Minn. Liquid level indicator. 2,242,589; May 20.
Meyer, Frederick, Union, assignor to Art Metal Works, Inc., Newark, N. J. Shaving apparatus. 2,242,752; May 20.
Meyer, Vernon H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Trimming machine. 2,242,534; May 20.
Meyer, Wendel J., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Welded bolster and cross-bearer construction. 2,242,727; May 20.
Michigan Carton Company. (See Betts, W. J., and Stowitts, assignors.)
Michigan Steel Casting Company. (See Thompson, Arthur F. B., assignor.)
Michon, Joseph H. M., Toledo, Ohio. Adjusting means for cutting steels. 2,242,363; May 20.
Miesen, Erich, Berlin-Charlottenburg, Germany. Device for connecting parts of portable buildings. 2,242,614; May 20.
Mika, Herbert L., Kansas City, Kans., assignor to Standard Steel Works, North Kansas City, Mo. Truck tank. 2,242,535; May 20.
Miller, Robert N., Rosemont, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Boiler drop plug. 2,242,798; May 20.
Milne, William, Barre, Vt. Stone grinding or polishing wheel. 2,242,753; May 20.
Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)
Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)
Misuraca, Louis J., Glendale, Calif. Motorized hand tool. 2,242,475; May 20.
Misuraca, William N., Merrick, N. Y. Solution for desentitizing metal plates used in the lighographic art. 2,242,754; May 20.
Moen, Erick, Chicago, Ill. Tail stock for milling machines. 2,242,978; May 20.
Montanari, Cesare, Milan, Italy. Machine for manufacturing macaroni automatically. 2,242,364; May 20.
Montgomery, Glen E., Oakland, Calif. Work illuminating tool. 2,242,536; May 20.
Moore, Clarence H., Jacksonville, Fla. Bascule bridge. 2,242,615; May 20.
Moore, Coleman B., Carroll Park, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring instrument. 2,242,656; May 20.
Moore, Edmund B., Brooklyn, N. Y. Heat sealing envelope machine. 2,242,790; May 20.
Moore, George S., Chicago, Ill. Clamping coupling joint. 2,242,537; May 20.
Moreau, Marcel E., New York, N. Y. Light reflector. 2,242,590; May 20.
Morell, Arthur J. (See Gregory, C. A., Morell, and Meeuwsen.)
Morey, Lloyd W., and E. A. Buck, Millinocket, Maine. Therapeutic apparatus. 2,243,013; May 20.
Morgan, Harry W., assignor to The Canister Company, Phillipsburg, N. J. Mechanism for feeding explosive pellets to detonator cups. 2,242,657; May 20.
Morris, William L., et al. (See Walsh, Thomas J., assignor.)
Morrison Products, Incorporated. (See Marbach, Frank G., assignor.)
Mosier, Milburn C., Oakwood Heights, Staten Island, N. Y. Glove. 2,242,318; May 20.
Mueller, Werner. (See Kochendoerfer, G., Mueller, Eistert, and Retter.)
Muhr, John, Osborn, Ohio. Wearing apparel. 2,242,365; May 20.
Müller, Ernst, Berlin-Spandau, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Apparatus for testing magnetizable workpieces for cracks. 2,242,306; May 20.
Müller, Max, Basel, and R. Ratti, Neu-Allschwil, near Basel, assignors to Durand & Huguenin A. G., Basel, Switzerland. Manufacture of disazo dyestuffs. 2,243,014; May 20.
Muncie, Fred W., Hampton, Conn., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Detergent. 2,242,979; May 20.
Murphy, Allan, et al. (See Bruner, Rea M., assignor.)
Murphy, Donald. (See Adams, A. H., Murphy, and Williams.)
Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Knob and the like installations and fastener members for the same. 2,242,591; May 20.
Murray Corporation of America, The. (See Haberstump, Alfred H., assignor.)
Musebeck, George E., assignor to Musebeck Shoe Company, Danville, Ill. Insloe for shoes. 2,242,868; May 20.
Musebeck Shoe Company. (See Musebeck, George E., assignor.)
Muskat, Irving E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Chlorination of chromium bearing materials. 2,242,257; May 20.
Muth, Harvey W., and L. M. Stamberg, assignors of one-half to said Stamberg and one-half to W. H. Gackenbach, Allentown, Pa. Dehydrator. 2,242,918; May 20.
Myers, David M., Larchmont, N. Y. Device for facilitating bending of sails to spars. 2,242,319; May 20.
N. V. Exploitatie Maatschappij voor Chemische Uitvindingen (E. C. U.) (See Plant, Hendricus, assignor.)
Naab, Julius, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve lifter. 2,242,367; May 20.
Naab, Julius, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor. 2,242,368; May 20.
Naccache, Albert, Beirut, Lebanon. Internal combustion engine. 2,242,538; May 20.
Nachman, Fred A., and F. R. Zimmerman, Chicago, Ill. Spring assembly for upholstery. 2,242,919; May 20.
Nardell, Patrick, et al. (See Walsh, Thomas J., assignor.)
Nash, Russell K. (See Griswold, S. M., and Nash.)
National Equipment Company. (See Bausman, Alonzo L., assignor.)
National Lead Company. (See Shoemaker, R. J., and House, assignors.)
National Pneumatic Company. (See Parvin, E. G., Fantone, and Bruestle, assignors.)
Nau, Robert H. (See Dickinson, R. C., and Nau.)
Nau, Robert H. (See Ludwig, L. R., Rawlins, and Nau.)
Neckel, Edmund N., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Press operating mechanism. 2,242,539; May 20.
Neely, Frank R., assignor to A. H. Balliet Corporation, Allentown, Pa. Box making machine. 2,243,051; May 20.
Neidich, Samuel A., Ventnor City, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y. Ink transfer ribbon. 2,242,403; May 20.
New, George F., Eaglescliffe, England, assignor to Titan Company, Inc., Wilmington, Del. Chalk resistant titanium dioxide pigment. 2,242,320; May 20.
Newman, George W., Kansas City, Mo. Pruning implement. 2,242,476; May 20.
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system for refrigerating apparatus. 2,242,728; May 20.
Newton, Thomas C., Brookline, Mass. Grass cutter. 2,242,369; May 20.
Nibur, Bernard, San Antonio, Tex. Table attachment. 2,242,833; May 20.
Nicholas, Andrew J., Philadelphia, Pa., assignor to The Luzerne Rubber Company, Trenton, N. J. Apparatus for measuring bowlers' grips. 2,242,980; May 20.
Niles, Glenn H., Ridgewood, and A. Johnson, Summit, N. J., assignors to Combustion Utilities Corporation, New York, N. Y. Manufacture of gas and coke. 2,243,052; May 20.
Nissen, Hans F. (See Eggert, J., and Nissen.)
Nock, Joseph A., Jr. (See Dix, E. H., Jr., and Nock.)
Noll, Walter, Cologne-Mulheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of cement and alkali metal aluminate. 2,242,258; May 20.
Nordmark, Henry P., assignor to American Seating Company, Grand Rapids, Mich. Chair back. 2,242,540; May 20.
North American Rayon Corporation. (See Bley, Rudolph S., assignor.)

Norton, Charles L., Jr., New York, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J. Manufacturing insulating firebrick. 2,242,434; May 20.
Norton Company. (See Kistler, S. S., and Barnes, assignors.)
Noxon, Frank F., Santa Monica, Calif. Fish lure. 2,242,592; May 20.
Nusperle, Chester W., et al. (See Carl, Roger W., assignor.)
Nusperle, Homer E., et al. (See Carl, Roger W., assignor.)
O'Brien, James L., Lakewood, assignor to Cleveland Steel Products Corp., Cleveland, Ohio. Oil burning apparatus. 2,242,616; May 20.
O'Connor, John B., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Latching device. 2,242,958; May 20.
O'Connor, Patrick J. (See Robinson, Cecil, assignor.)
Ohl, Russell S., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio receiving system. 2,242,791; May 20.
O'Kelly, Arlie A. (See Sachanen, A. N., and O'Kelly.)
Okey, Perry. (See Stone, J. F., and Okey.)
Olin, A. Donaldson, et al. (See Enblom, John C., assignor.)
Olivier, Paul E. A., New Orleans, assignor to Great Southern Box Company, Inc., Southport, La. Shipping container for citrus fruits and the like. 2,242,711; May 20.
Olson, Herbert V., Kansas City, Kans. Steering stabilizing device. 2,242,593; May 20.
Olson, Waldemar N., Brookfield, assignor to Reynolds Electric Co., Chicago, Ill. Electric motor. 2,242,800; May 20.
Olympia Buromaschinenwerke A. G. (See Flader, Konrad, assignor.)
Orr, Claude L., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car truck. 2,242,371; May 20.
Oshel, William E., Brentford, England. Direction indicator. 2,242,920; May 20.
Osswald, Philipp, Hofheim in Taunus, and W. Geisler, Frankfort-on-the-Main-Hochst, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Preparing hydroxylamine hydrochloride. 2,242,477; May 20.
Ovalle, Tupper & Amenebar Limitada. (See Amenabar, Arturo, assignor.)
Oxweld Acetylene Company. (See Bucknam, J. H., Young, and Gelbig, assignors.)
Oxweld Acetylene Company. (See Jones, H. W., and Jacobsson, assignors.)
Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
Packer, Lewis C., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Capacitor-type motor for refrigerating apparatus. 2,242,370; May 20.
Panengen, Oscar, Skreia, Norway. Tractor-driven plow. 2,242,479; May 20.
Panzer, Karl, Chicago, Ill. Drilling and tapping fixture. 2,242,792; May 20.
Parke, Davis & Company. (See Bywater, William G., assignor.)
Parker, Laurie F., Noroton, Conn., and A. Hanger, Richmond, Ky. Target throwing apparatus. 2,242,596; May 20.
Parker, Laurie F., Noroton, and G. W. Whitney, Stamford, Conn. Expulsion fuse holder for high tension electric conductors. 2,242,921; May 20.
Parmelee, Earle L. (See Foster, W. D., and Parmelee.)
Parry, Christopher L., Ramsey St. Mary, England. Laterally extending chair or seat. 2,242,617; May 20.
Parvin, Edward G., Roselle, C. B. Fantone, Lyndhurst, and C. O. Bruestle, Rahway, N. J., assignors to National Pneumatic Company, New York, N. Y. Strand feeding mechanism. 2,242,435; May 20.
Patent Button Company, The. (See Purinton, F. G., Zwiebel, and Verzier, assignors.)
Patterson, Junius G., Gastonia, N. C. Bottle washer. 2,243,015; May 20.
Paul, Joseph, assignor to Phenix Manufacturing Company, Milwaukee, Wis. Window construction. 2,242,541; May 20.
Paullet, Ross F., Pittsburgh, Pa. Sign. 2,242,259; May 20.
Pedersen, Christian R., Chicago, Ill. Illuminated twirling baton. 2,242,981; May 20.
Pekarz, Joseph F., Guilford, Conn. Curtain tieback fastening device. 2,242,478; May 20.
Penney, J. C., Company. (See Wilder, M. C., and Ramsay, assignors.)
Pennsylvania Railroad Company, The. (See Hankins, Frederick W., assignor.)
Pennsylvania Railroad Company, The. (See Hoke, H. A., and Lloyd, assignors.)
Pennsylvania Railroad Company, The. (See Meyer, Wendel J., assignor.)
Pennsylvania Railroad Company, The. (See Miller, Robert N., assignor.)
Pennsylvania Research Corporation, The. (See Fuchs, Walter M., assignor.)
People in the Territory of the United States. (See Gregory, C. A., Morell, and Meeuwsen.)
Peoples-Pittsburgh Trust Company, executor. (See Foster, W. D., and Parmelee.)
Petersen, John M., Kansas City, Kans. Portable cooler. 2,242,594; May 20.
Petersen Oven Company. (See Cook, John V., assignor.)
Peterson, Carl D., R. R. Burkhalter, and E. J. Barth, assignors to Spicer Manufacturing Corporation, Toledo, Ohio. Hydraulic gear shifting mechanism. 2,242,542; May 20.
Phenix Manufacturing Company. (See Paul, Joseph, assignor.)
Philadelphia Quartz Company. (See Baker, Chester L., assignor.)
Philadelphia Quartz Company. (See Vail, James G., assignor.)
Philbrick, Frank H., Evanston, Ill. Digging tool. 2,242,793; May 20.
Philco Radio and Television Corporation. (See Thompson, Milton L., assignor.)
Phillips, Harry. (See Eden, J. A., and Phillips.)
Phillips-Jones Corporation. (See Underwood, H. C., and Roby, assignors.)
Phillips Petroleum Company. (See Schulze, W. A., and Short, assignors.)
Phillips Petroleum Company. (See Strickland, Thomas G., assignor.)
Phipps, Mabel R., Waterloo Township, Blackhawk County, Iowa. Swab. 2,242,543; May 20.
Phipps, Mabel R., Waterloo Township, Blackhawk County, Iowa. Mop. 2,242,809; May 20.
Photoswitch Incorporated. (See Metcalf, Arthur G. B., assignor.)
Pickens, Madison D., et al. (See Kniesner, William T., assignor.)
Pickens, Madison D., et al. See Smithwick, James, assignor.)
Pier, Mathias, Heidelberg, and G. Free, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to W. E. Currie, New York, N. Y. Production of non-knocking motor fuels. 2,242,321; May 20.
Pierson, Ralph C. (See De Motte, M. P., and Pierson.)
Pittsburgh Plate Glass Company. (See Muskat, Irving E., assignor.)
Pittsburgh Steel Company. (See Protin, Edward J., assignor.)
Plant, Hendricus, assignor to N. V. Exploitatie Maatschappij voor Chemische Uitvindingen (E. C. U.), Wassenar, Netherlands. Producing spinnable fibers and cellulose from plants. 2,243,050; May 20.
Pneumatic Cap & Seal Corporation. (See Burkardt, Anton, assignor.)
Poizat, Louis, Serezin du Rhone, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Preparing P-isopropyl-alpha-methyl-hydrocinnamic aldehyde. 2,242,322; May 20.
Polk, Robert E. (See Bennett, A. F., Polk, and Tuffnell.)
Pollak, S Theodore, Alameda, Calif. Detachable button. 2,242,595; May 20.
Pope, Thomas J., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 2,242,755; May 10.
Pope, Thomas J., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric device. 2,242,756; May 20.
Porter, Everett M. (See Githens, O. W., Kende, and Porter.)
Porter, Howard W., Los Angeles, Calif. Finger ring. 2,242,544; May 20.
Powell, Alfred R., Pittsburgh, Pa., assignor to Koppers Company. Gas purification process. 2,242,323; May 20.
Powell, John F. (See Sadovsky, W., and Powell.)
Poynter, Ralph R., Lebanon, Ind. Disposal apparatus for fallen leaves. 2,242,922; May 20.
Pratt, Raymond C., assignor to H. B. Dodge and Company, Chicago, Ill. Venetian blind. 2,242,923; May 20.
Pressed Steel Car Company Inc. (See Freshwater, Frank H., assignor.)
Prest-O-Lite Company, The. (See De Motte, M. P., and Pierson, assignors.)
Price, Manley R., Lakewood, Ohio. Wall or ceiling treatment. 2,242,834; May 20.
Price, Manley R., Lakewood, Ohio. Backing for wall or ceiling treatment. 2,242,835; May 20.
Priestman, George D. (See Harrington, P. J., and Priestman.)
Printing Machinery Corporation, The. (See Schlattner, Albert B., assignor.)
Pritchard, Norman J., Mosman, near Sydney, New South Wales, and C. W. Walters, Lane Cove, near Sydney, New South Wales, Australia; said Walters assignor to said Pritchard. Operating mechanism for windscreen wipers. 2,243,016; May 20.
Proctor & Schwartz, Incorporated. (See Bogaty, Stanislaus, assignor.)
Prosey, William E., Cleveland, Ohio. Ice skate. 2,242,870; May 20.
Protin, Edward J., Charleroi, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Tube testing apparatus. 2,242,658; May 20.
Prutton, Carl F., East Cleveland, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating composition. 2,242,260; May 20.
Pure Oil Company, The. (See Thacker, Carlisle M., assignor.)

Purinton, Forrest G., W. A. Zwiebel, and H. N. Versier, assignors to The Patent Button Company, Waterbury, Conn. Tack button. 2,243,017; May 20.
Püschner, Josef. (See Püschner, Julius and J.)
Püschner, Julius and J., near Bodenbach, Czechoslovakia. Producing separable fasteners. 2,242,794; May 20.
Quandee, Alvin A., Chicago, Ill. Tree lighting system. 2,242,507; May 20.
Quayle, George, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Industrial truck. 2,242,436; May 20.
Quinte, Michael S., Burbank, Calif. Variable water-pressure power producing apparatus. 2,242,598; May 20.
Raab, Leopold, Chemnitz, and W. Strobel, Siegmar-Schonau, Germany. Valve arrangement for two-stroke cycle internal combustion engines. 2,242,871; May 20.
Radio Corporation of America. (See de Boer, Jan H., assignor.)
Radio Corporation of America. (See Finch, J. L., and Usselman, assignors.)
Radio Corporation of America. (See Rust, Noël M., assignor.)
Radio Corporation of America. (See Toulon, Pierre M. G., assignor.)
Radio Corporation of America. (See Usselman, George L., assignor.)
Ramage, Alexander S., Detroit, Mich. Manufacturing oxygen compounds of terpene hydrocarbons. 2,243,053; May 20.
Ramage, Alexander S., Detroit, Mich., assignor to Coals and Chemicals, Limited, Los Angeles, Calif. Producing aromatic hydrocarbons from olefins. 2,242,836; May 20.
Ramsay, Claude B. (See Wilder, M. C., and Ramsay.)
Randolph, Chalmers H., St. Paul, Minn., assignor to Sundstrand Machine Tool Co., Rockford, Ill. Rubbing machine. 2,242,545; May 20.
Randzio, Reinhold, Reichenbach in Eulengebirge, Germany. Transfer device for bookkeeping systems. 2,242,618; May 20.
Raney, Robert M., Euclid, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,242,599; May 20.
Ratner, Jacob, Brooklyn, N. Y. Cleaning and polishing composition. 2,242,261; May 20.
Ratti, Roger. (See Müller, M., and Ratti.)
Rawlins, Herbert L. (See Ludwig, L. R., Rawlins, and Nau.)
Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Lubricating device. 2,242,262; May 20.
Raymond, Fred I., Glencoe, Ill. Valve for venting air from radiators. 2,242,546; May 20.
Raymond, Gwynne, Oklahoma City, Okla. Safety pressure device. 2,242,547; May 20.
Raynolds, John F., assignor to The Unipress Company, Inc., Minneapolis, Minn. Multicylinder pressing machine. 2,242,480; May 20.
Raynolds, John F., assignor to The Unipress Company, Incorporated, Minneapolis, Minn. Multi-cylinder pressing machine. 2,242,481; May 20.
Rea, Wilton T., Bayside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Testing device. 2,242,324; May 20.
Read, Roland R., Kirkwood, Mo., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Alkyl phenols. 2,242,325; May 20.
Regan-Day, Inc. (See Fodor, Ferenz H., assignor.)
Regan-Day, Inc. (See Regan, G. P., and Fodor, assignors.)
Regan, George P., North Hollywood, and F. H. Fodor, assignors to Regan-Day, Inc., Los Angeles, Calif. Method and means for reproduction of sound. 2,242,548; May 20.
Regenhardt, Walter F., Cleveland, Ohio. Interlock. 2,242,263; May 20.
Reichhold Chemicals, Inc. (See Hönel, H., and Zinke, assignors.)
Reid, Allen W., Wyomissing Hills, Pa. Fluid meter. 2,242,659; May 20.
Reiners, Wilhelm, and G. Kahlisch, Gladbach-Rheydt, assignors to W. Schlafhorst & Co., Munich-Gladbach, Germany. Cop winding machine with independent winding points. 2,242,660; May 20.
Reistad, Bengt. (See Algren, N. A., and Reistad.)
Reiter, Daniel I., New York, N. Y. Pleat clip. 2,242,677; May 20.
Remington Arms Company. (See Finlay, W. L., and Stauffer, assignors.)
Rennie, Robert F., Little Falls, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ignitron starter. 2,242,482; May 20.
Rentschler, Harvey C., East Orange, and D. E. Henry, Cedar Grove, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Radiant energy meter and making. 2,242,483; May 20.
Republic Steel Corporation. (See Darner, Frederic M., assignor.)
Republic Steel Corporation. (See Darner, F. M., and Sower, assignors.)
Retter, Walther. (See Kodhendoerfer, G., Mueller, Elstert, and Retter.)
Reyniers, James A., South Bend, Ind. Apparatus for handling and developing photographic film. 2,242,600; May 20.
Reynolds Electric Co. (See Olson, Waldemar N., assignor.)
Rice, Owen R. (See Fox, G., Ebner, and Rice.)
Richards-Wilcox Manufacturing Company. (See Ainsworth, Harry G., assignor.)
Richardson, Andrew T., Oakmont, assignor to Woodings-Verona Tool Works, Verona, Pa. Washer grinding machine. 2,242,801; May 20.
Richardson, Francis J., New Orleans, La. Traffic marker. 2,242,619; May 20.
Ridge Tool Company, The. (See Ingwer, Carl H., assignor.)
Riebel, Frederick, Jr., assignor to Air-Way Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 2,242,678; May 20.
Rigby, George W. (See Lazier, W. A., and Rigby.)
Rinke, Heinrich. (See Hoyer, H., Schröter, and Rinke.)
Ritchie, Roy S., Newark, N. J., assignor to The Dow Chemical Company, Midland, Mich. Thermoplastic stiffener. 2,242,729; May 20.
Roberts, George L., Charleston, W. Va. Treatment of rubber tires. 2,242,264; May 20.
Robeson Process Company. (See Wallace, Frederick J., assignor.)
Robinson, Cecil, Warminster, England, assignor to Patrick J. O'Connor, New York, N. Y. Antifreeze composition. 2,242,959; May 20.
Robinson, Joseph, New York, N. Y. Automatic train pipe connector. 2,242,265; May 20.
Roby, Edward B. (See Underwood, H. C., and Roby.)
Roe, Grant A., Middletown, N. Y. Lever handle for rural mailboxes or doors, or lids. 2,242,895; May 20.
Roko Corporation. (See Coberly, Clarence J., assignor.)
Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Luminaire. 2,242,872; May 20.
Romanow, Frank F., Berkley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric device. 2,242,757; May 20.
Roofing Machinery Mfg. Co. (See McFarland, Owen D., assignor.)
Rose, Marion E., Chicago, Ill. Hair curling device. 2,242,549; May 20.
Rosenthal, Morris, Chicago, Ill. Metallic wool pad. 2,242,326; May 20.
Rubinstein, Harry W., assignor to Globe-Union Inc., Milwaukee, Wis. Variable resistance. 2,242,327; May 20.
Ruggieri, Michael, Stroudsburg, Pa., assignor to Line Material Company, South Milwaukee, Wis. Lag screw. 2,242,758; May 20.
Ruhr, Heinrich R., and K. Söhnle, Frankfort-on-the-Main, Germany, assignors to United Shoe Machinery Corporation, Flemington, N. J. Fastening-inserting machine. 2,242,437; May 20.
Russell, William J., and J. R. Heilman, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooking appliance. 2,242,328; May 20.
Rust, Noël M., Essex, England, assignor to Radio Corporation of America, New York, N. Y. Frequency discriminator network. 2,242,661; May 20.
Rydquist, Adolph, assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Window guide. 2,242,438; May 20.
Sachanen, Alexander N., and A. A. O'Kelly, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Production of motor fuel. 2,242,960; May 20.
Sadovsky, Wolford, and J. F. Powell, San Antonio, Tex.; said Powell assignor to said Sadovsky. Shock-resisting balance for watches. 2,242,712; May 20.
St. John, George H. (See Green, J. H., and St. John.)
Sakamoto, Kyugoro, Hamamatsu, Japan. Shuttle change mechanism for power looms. 2,242,620; May 20.
Salmond, Hubert M., Fareham, and A. Mathisen, High Holborn, London, assignors to Graviner Manufacturing Company Limited, London, England. Fire extinguishing system. 2,242,679; May 20.
Sandusky Cooperage & Lumber Company, The. (See Leighton, L. B., and Vogt, assignors.)
Sarosdy, Louis J., assignor to Blaw-Knox Company, Pittsburgh, Pa. Form for concrete. 2,242,730; May 20.
Saulson, Saul, Detroit, Mich., assignor to Albert Kahn, Inc. De-icing hangar door tracks and the like. 2,242,329; May 20.
Sawdy, Alex L., Milwaukee, Wis. Rerailing frog. 2,242,896; May 20.
Scales, Walter H., New Orleans, La., assignor, by mesne assignments, to Timber Engineering Company, Washington, D. C. Termite shield connector. 2,242,266; May 20.
Schacht, Clifford A., Huntington, Ind. Nozzle. 2,242,680; May 20.
Schäfer, Josef, Riehen, near Basel, and R. Biedermann, assignors to J. R. Geigy S. A., Basel, Switzerland. Tanning substances and their manufacture. 2,242,681; May 20.
Schaper, William A., Cicero, assignor to Johnson Laboratories, Inc., Chicago, Ill. Interference suppression system. 2,242,330; May 20.
Scheibe, Robert. (See Kammüller, K., and Scheibe.)
Schelegel Manufacturing Company, The. (See Rydquist, Adolph, assignor.)

Schell, Charles J., Cincinnati, Ohio. Lock mechanism. 2,242,550; May 20.
Schilling, Karl. (See Eckert, W., and Schilling.)
Schimpf, Luther G. (See Clark, J. W., and Schimpf.)
Schlafhorst, W., & Co. (See Reiners, W., and Kahlisch, assignors.)
Schlappritzi, Edward W. (See Tallmadge, Everett S., assignor.)
Schlattner, Albert B., assignor to The Printing Machinery Corporation, Cincinnati, Ohio. Apparatus for curving printing plates. 2,242,924; May 20.
Schlecht, Helmut, and M. Jahrstorfer, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Reduction of difficultly reducible oxides. 2,242,759; May 20.
Schlumberger Well Surveying Corporation. (See Leonardon, Eugene G., assignor.)
Schmidt, Georg. (See Hirschland, L., and Schmidt.)
Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Making porous articles. 2,242,372; May 20.
Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Producing porous cellulose derivatives having an increased rate of solubility. 2,242,373; May 20.
Schoeller, Conrad, G. Schwen, and G. Kraemer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Organic dyestuffs and producing same. 2,242,760; May 20.
Schrenk, Hans A., Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Apparatus for use in the manufacture of rayon. 2,242,682; May 20.
Schröter, Rudolf. (See Hoyer, H., Schröter, and Rinke.)
Schroy, Paul C., Darien, and R. P. Hofferbert, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Stabilization of resin sirups. 2,242,484; May 20.
Schultz, Erich, and F. Bielitz, assignors to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Automatic control two-speed gears in aircraft. 2,242,374; May 20.
Schulz, Herman. (See Frankenburger, W., Herbst, and Schulz.)
Schulze, Walter A., Bartlesville, Okla., and G. H. Short, Phillips, Tex., assignors to Phillips Petroleum Company. Stabilization of copper treated oils. 2,242,621; May 20.
Schulze, Walter A., Bartlesville, Okla., and G. H. Short, Phillips, Tex., assignors to Phillips Petroleum Company. Stabilization of copper treated oils. 2,242,622; May 20.
Schulze, Walter A., Bartlesville, Okla., and G. H. Short, Phillips, Tex., assignors to Phillips Petroleum Company. Stabilization of copper treated oils. 2,242,623; May 20.
Schulze, Walter A., Bartlesville, Okla., and G. H. Short, Phillips, Tex., assignors to Phillips Petroleum Company. Stabilization of copper treated oils. 2,242,624; May 20.
Schulze, Walter A., Bartlesville, Okla., and G. H. Short, Phillips, Tex., assignors to Phillips Petroleum Company. Stabilization of copper treated oils. 2,242,625; May 20.
Schüssler, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Tunable oscillatory circuit for ultra-short waves. 2,242,404; May 20.
Schuttloffel, Edward J. See Schuttloffel, John A. and E. J.)
Schuttloffel, John A. and E. J., Larchwood, Iowa. Manure loader. 2,242,982; May 20.
Schwen, Gustav. (See Schoeller, C., Schwen, and Kraemer.)
Scott, Edward E., Corning, Iowa. Window shade or curtain holder. 2,242,683; May 20.
Scovill Manufacturing Company. (See Fenton, Paul E., assignor.)
Sears, Roebuck and Co. (See Sims, Clark D., assignor.)
Sears, Roebuck and Co., et al. (See Townsend, James W., assignor.)
Seidel, Max, Solln, near Munich, Germany. Apparatus for and method of obtaining or separating volatile substances from solutions containing the same. 2,242,267; May 20.
Self-Locking Carton Co. (See Johnson, Harry C., assignor.)
Senft, Emil, Cleveland, Ohio. Table. 2,243,018; May 20.
Servel, Inc. (See Algren, N. A., and Reistad, assignors.)
Servel, Inc. (See Bergholm, Harry K., assignor.)
Servel, Inc. (See Shipman, Bennet C., assignor.)
Servo-Frein Dewandre, Société Anonyme. (See Fourmarier, P., Jr., and Lempereur, assignors.)
Severle, Wilhelm, Waldenbronn, near Esslingen-on-the-Neckar, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Cooling device for internal combustion engines. 2,242,761; May 20.
Sharp & Dohme, Incorporated. (See Read, Roland R., assignor.)
Shawinigan Water & Power Company, The. (See Knapp, Edward W., assignor.)
Shea, John E., Jr., Dorchester, Mass. Kneeling bench. 2,242,925; May 20.
Shell Development Company. (See Janssen, Hendrik J. J., assignor.)
Shell Development Company. (See Watson, Douglas William, assignor.)
Shellenberger, Rolfe, Westfield, assignor to The Babcock & Wilcox Company, Newark, N. J. Furnace. 2,242,762; May 20.
Shera, John W., Shaker Heights, assignor to The Draper Manufacturing Company, Cleveland, Ohio. Thread swaging apparatus. 2,242,662; May 20.
Sherman, John Q., deceased, Dayton, Ohio; K. M. and W. C. Sherman and W. B. Turner, executors. Typewriter attachment. 2,242,268; May 20.
Sherman, Katherine M., et al., executors. (See Sherman, John Q.)
Sherman, William C., et al., executors. (See Sherman, John Q.)
Shields, James E., Niagara Falls, assignor to Alox Corporation, New York, N. Y. Anticorrosion agent. 2,242,837; May 20.
Shipman, Bennet C., deceased, Arlington County, Va.; by C. W. Shipman, executrix, Birmingham, Ala., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,242,926; May 20.
Shipman, Clara W., executrix. (See Shipman, Bennet C.)
Shoemaker, Bernard H. (See Loane, C. M., and Shoemaker.)
Shoemaker, Robert J., and C. M. House, Chicago, Ill., assignors, by mesne assignments, to National Lead Company. Making journal bearings. 2,242,439; May 20.
Shoemaker, Robert J., and C. M. House, Chicago, Ill., assignor, by mesne assignments, to National Lead Company. Bearing. 2,242,440; May 20.
Shoemaker, Robert J., and C. M. House, Chicago, Ill., assignors, by mesne assignments to National Lead Company. Making bearings. 2,242,441; May 20.
Short, Graham H. (See Schulze, W. A., and Short.)
Siebler, Oskar, Chemnitz, Germany. Automobile. 2,242,269; May 20.
Siemens & Halske, Aktiengesellschaft. (See Müller, Ernst, assignor.)
Silker, Wayne N., Epworth, Iowa. Illuminated lock. 2,242,626; May 20.
Sims, Clark D., assignor to Sears, Roebuck & Co., Chicago, Ill. Support. 2,242,270; May 20.
Sinclair Refining Company. (See Baker, H. J., Jr., and Mendius, assignor.)
Singer, Henry, assignor of one-half to J. R. Leach, Honolulu, Hawaii. Vacuum cup rubber ball catcher. 2,243,019; May 20.
Singer Manufacturing Company, The. (See Johnson, Edwin W., assignor.)
Singer Manufacturing Company, The. (See Karle, John D., assignor.)
Singer Manufacturing Company, The. (See Waterman, Max L., assignor.)
Skenandoa Rayon Corporation. (See Brown, Alfred S., assignor.)
Skilsaw Inc. (See Burliegh, Arthur C., assignor.)
Skog, Henry. (See Ewald, M., and Skog.)
Smith, Benjamin A., Rocky River, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio. Calcining copperas. 2,242,763; May 20.
Smith, Christopher I. (See Cole, T. M., and Smith.)
Smith, Gerald G., Kenmore, N. Y., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Rhythm operated device. 2,242,442; May 20.
Smith, Joseph W., Cambridge, Ohio, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Means and method of setting up eyeglasses, spectacles, rimless mountings, and lenses. 2,242,663; May 20.
Smith, L. C., & Corona Typewriters, Inc. (See Avery, Henry A., assignor.)
Smith, L. C., & Corona Typewriters, Inc. (See Marran, John S., assignor.)
Smithwick, James, Asheville, N. C., assignor, by mesne assignments, of one-fourth to M. D. Pickens, Arlington, Va., one-fourth to F. D. Stephens, Washington, D. C., and one-half to W. T. Kniener, Larchmont, N. Y. Energy storage mechanism as for toys. 2,242,725; May 20.
Sneath Glass Commpany. (See Crimmel, Henry H., assignor.)
Sniffen, Robert P. (See Bobo, Stephen N., assignor.)
Snyder, Gilbert J., and R. N. Geffroy, assignors to Mastic Asphalt Corporation, South Bend, Ind. Panel feed mechanism. 2,243,056; May 20.
Societe Anonyme: La Parol Hydraulique. (See Brice, L. P., and Lipsky, assignors.)
Societe Anonyme Solex. (See Mennesson, Marcel, assignor.)
Societe d'Electrochimie d'Electrometallurgie et des Acieries Electriques d'Ugine. (See Duval, Clément, assignor.)
Societe d'Exploitation des Procedes Dabeg. (See Kirchhof, Julius, assignor.)
Societe des Usines Chimiques Rhone-Poulenc. (See Poizat, Louis, assignor.)
Society of Chemical Industry in Basle. (See Straub, F., and Hanhart, assignors.)
Socony Vacuum Oil Company. (See Sachanen, A. N., and O'Kelly, assignors.)
Soderquist, Leslie E., assignor to The McNeil Machine & Engineering Company, Akron, Ohio. Tire vulcanizer. 2,242,795; May 20.
Söhnle, Karl. (See Ruhr, H. R., and Söhnle.)

Soluble Silicates Process Company. (See Westby, George C., assignor.)
Somers, Richard M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonographic translating device. 2,242,927; May 20.
Somes, Howard E., Grosse Pointe Park, Mich. Inductive heat treating apparatus. 2,242,838; May 20.
SoundScriber Corporation, The. (See Thompson, Lincoln, assignor.)
South Bend Bait Company. (See Leusch, Victor W., assignor.)
Sower, George W. (See Darner, F. M., and Sower.)
Spalding, A. G., & Bros. Inc. (See Whyte, David W., assignor.)
Special Equipment Company. (See Ewald, Mark, assignor.)
Special Equipment Company. (See Ewald, M., and Skog, assignors.)
Sperry Gyroscope Company. (See Carlson, B. G., and Wittkuhns, assignors.)
Sperry Gyroscope Company. (See House, Frank R., assignor.)
Sperry Gyroscope Company. (See Lyman, Joseph, assignor.)
Spicer Manufacturing Corporation. (See Peterson, C. D., Burkhalter, and Barth, assignors.)
Spiro, Benjamin E., Philadelphia, Pa., assignor to General Electric Company. Connecting device. 2,242,271; May 20.
Sprung, Abraham, Brooklyn, N. Y. Wing frame for street signs. 2,242,331; May 20.
Squibb, E. R., & Sons. (See Chase, Frank C., assignor.)
Squibb, E. R., & Sons. (See Christiansen, Walter G., assignor.)
Squibb, E. R., & Sons. (See Christiansen, W. G., and Dolliver, assignors.)
Staerker, Otto, Gladewater, Tex. Pumping apparatus. 2,242,551; May 20.
Staggs, Russell W., Detroit, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,242,897; May 20.
Stahl, Eugen, Russelsheim-on-the-Main, Germany, assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner control mechanism. 2,243,042; May 20.
Stamberg, Louis M., et al. (See Muth, H. W., and Stamberg.)
Standard Electric Time Company, The. (See Maxwell, Weyman E., assignor.)
Standard Forgings Corporation. (See Swanson, Clarence S., assignor.)
Standard Oil Company. (See Boyd, George A., assignor.)
Standard Oil Company. (See Carpenter, Morris T., assignor.)
Standard Oil Company. (See Loane, C. M., and Shoemaker, assignors.)
Standard Oil Development Company. See Harrington, P. J., and Priestman, assignors.)
Standard Process Corporation. (See Ericksson, Emil, assignor.)
Standard Railway Equipment Manufacturing Company. (See Torburn, Gustav P., assignor.)
Standard Railway Refrigerator Company. (See Bonsall, Charles D., assignor.)
Standard Railway Refrigerator Company. (See Zeidler, Kurt E., assignor.)
Standard Steel Works. (See Mika, Herbert L., assignor.)
Stanko, John J., assignor to American Mineral Company, San Pedro, Calif. Preparation of roofing granules and the like. 2,242,443; May 20.
Staroba, Joseph F. (See Taylor, E. H., and Staroba.)
Stauffer, William O. (See Finley, W. L., and Stauffer.)
Steel Storage File Company, The. (See Detrich, Donald J., assignor.)
Steenstrup, Carl H., Schenectady, N. Y., assignor to General Electric Company. Freezing tray. 2,242,764; May 20.
Stein, Eberhard. (See Delfs, D., Detlef, and Stein.)
Stein, Gerhard, Mannheim, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Production of alkylene oxides difficultly soluble in water. 2,242,485; May 20.
Stein, Wolfgang, assignor to Junkers Flugzeug-und-Motorenwerke A. G., Dessau, Germany. Coupling. 2,242,765; May 20.
Steiner, Frank G., Miami Beach, Fla., and R. G. Birr, Lombard, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah. Stop mechanism for dispensing cabinets. 2,242,552; May 20.
Steiner Sales Company. (See Steiner, F. G., and Birr, assighors.)
Steingruber, George, Shelbyville, Tenn. Electric heater. 2,242,630; May 20.
Stephens, Francis D., et al. (See Kniesner, William T., assignor.)
Stephens, Francis D., et al. (See Smithwick, James, assignor.)
Stephenson, James G., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Alternating current limit acceleration. 2,242,375; May 20.
Stewart, Alexander P., Detroit, Mich. Templet. 2,242,406; May 20.
Stewart-Warner Corporation. (See Davis, Ernest W., assignor.)
Stillman, Abe, Chicago, Ill. Manufacturing reliefs. 2,242,631; May 20.
Stockton, McKinley, Redmond, Oreg., assignor to The Dicalite Company, Los Angeles, Calif. System for comminuting solids. 2,242,796; May 20.
Stoker, Wilson, St. John's Wood, London, England. Manufacture of covered wire. 2,242,376; May 20.
Stone, Julius F., and P. Okey, Columbus, Ohio. Machine for generating paraboloids of revolution. 2,242,664; May 20.
Stone, Wilfred S. (See Altenbern, G. A., and Stone.)
Stowitts, Frank H. (See Betts, W. J., and Stowitts.)
Stramaglia, Nicola, Chicago, Ill. Heater system. 2,242,802; May 20.
Straub, Fritz, Kaiseraugst, near Basel, and W. Hanhart, Riehen, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Producing fast tints on cellulose fibers. 2,243,020. May 20.
Strickland, Thomas G., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrogenation catalyst and process. 2,242,627; May 20.
Strobel, Werner. (See Raab, L., and Strobel.)
Stuart, Elizabeth R. B. (See Stuart, Kimberly, assignor.)
Stuart, Kimberly, Neenah, assignor of one-half to E. R. B. Stuart, Menasha, Wis. Baking utensil and similar receptacles. 2,242,684; May 20.
Sulzer Frères, Société Anonyme. (See Lieberherr, Arthur, assignor.)
Sulzer Frères, Société Anonyme. (See Traupel, Walter, assignor.)
Sun Oil Company. (See Barton, Paul D., assignor.)
Sun Shipbuilding & Dry Dock Company. (See Maxwell, Frank R., assignor.)
Sundstrand Machine Tool Co. (See Randolph, Chalmers H., assignor.)
Sussman, William S., New York, N. Y. Shaving device. 2,242,405; May 20.
Sutherland, Andrew E., Madrid, Iowa. Track leveler for tractors. 2,242,486; May 20.
Swan, Carl W., assignor to Teletype Corporation, Chicago, Ill. Power transmitting device. 2,242,272; May 20.
Swanson, Clarence S., assignor to Standard Forgings Corporation, Chicago, Ill. Machine for facing ends of forgings. 2,242,487; May 20.
Swift and Company. (See Hartanov, Andrew S., assignor.)
Swift, Harvey C., assignor to Hylraulic Brake Company, Detroit, Mich. Brake. 2,242,685; May 20.
Switz, Marjorie T., East Orange, N. J. Infant's wear. 2,242,898; May 20.
Sylvester, Walter, Tunstall, England. Device for shoring or spragging. 2,242,961; May 20.
Symington-Gould Corporation, The. (See Blattner, Emil H., assignor.)
Szalay, Ferenc, Budapest, Hungary, assignor to Inventio Patentverwertungs-Aktiengesellschaft, Glarus, Switzerland. Current collector for trolley buses and other electric road vehicles supplied from overhead wires. 2,242,839; May 20.
Taigman, Max, New York, N. Y. Sewing machine control. 2,242,928; May 20.
Takenouchi, Toshitaro, Shinagawa-ku, Tokyo, Japan. Squirrel cage rotor of induction machines. 2,243,021; May 20.
Tallmadge, Everett S., Robbinsdale, assignor to E. W. Schlappritzi, Minneapolis, Minn. Spring structure. 2,242,731; May 20.
Talon, Inc. (See Carlile, Alfred E., assignor.)
Taylerson, Ewart S., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Electrical conductor. 2,242,273; May 20.
Taylor, Edward H., and J. F. Staroba, Chicago, assignors to Taylor Forge & Pipe Works, Cicero, Ill. Machine for producing pipe bends. 2,242,332; May 20.
Taylor Forge & Pipe Works. (See Taylor, E. H., and Staroba.)
Taylor, James C., Jr., Charleston, S. C. Airplane launching device. 2,242,628; May 20.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hollmann, Hans E., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schüssler, Karl, assignor.)
Telefonaktiebolaget L. M. Ericsson. (See Brander, Bertil J., assignor.)
Teletype Corporation. (See Swan, Carl W., assignor.)
Ternsted Manufacturing Company. (See Dean, Roy H., assignor.)
Thacker, Carlisle M., Toledo, Ohio, assignor to The Pure Oil Company, Chicago, Ill. Converting paraffinic hydrocarbons into olefins. 2,242,488; May 20.
Thoke, William P., Vancouver, Wash., and E. J. Mann, Portland, Oreg. Furnace grate. 2,242,629; May 20.
Tholl, John E., Needham, Mass., assignor to American Tool & Machine Co., Hyde Park, Boston, Mass. Skimmer for centrifugal separators. 2,242,713; May 20.
Thomas, Charles L., and H. S. Bloch, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,242,553; May 20.
Thomas, Jesse F., New London, Wis. Hollow core panel. 2,243,022; May 20.

Thompson, Arthur F. B., assignor to Michigan Steel Casting Company, Detroit, Mich. Cast metal article and casting same. 2,242,554; May 20.
Thompson, Clyde R., Salt Lake City, Utah. Multiple head screw driver and the like. 2,242,873; May 20.
Thompson, Lincoln, assignor to The SoundScriber Corporation, Stamford, Conn. Correction marker for disk record dictating machines. 2,242,803; May 20.
Thompson, Milton L., Hollywood, assignor to Philco Radio and Television Company, Philadelphia, Pa. Photoelectric phonograph. 2,242,983; May 20.
Thunberg, Sigurd F., Ronninge, Sweden, assignor to Electrolux Corporation, Dover, Del. Radio interference eliminator. 2,242,333; May 20.
Thurnherr, Ruby B., Hollywood, Calif. Protector. 2,242,555; May 20.
Thysse, John, Alameda, Calif. Combustion chamber for internal combustion engines. 2,242,274; May 20.
Tice, Norman B., Long Branch, N. J. Nonrefillable bottle. 2,242,632; May 20.
Timber Engineering Company. (See Scales, Walter H., assignor.)
Tirrell, Leslie L., Eau Claire, Mich. Package. 2,242,686; May 20.
Titan Company. (See New, George F., assignor.)
Tobey, Raymond E., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,242,407; May 20.
Torburn, Gustav P., Oakland, Calif., assignor to Standard Railway Equipment Manufacturing Company, New Kensington, Pa. Car roof. 2,242,766; May 20.
Toulon, Pierre M. G., Paris, France, assignor to Radio Corporation of America, New York, N. Y. Synchronizing system, particularly for television purposes. 2,242,633; May 20.
Townsend, James W., assignor of one-half to The Alaska Freezer Co., Inc., Winchendon, Mass., and one-half to Sears, Roebuck and Co., Chicago, Ill. Freezer cylinder centering means. 2,242,929; May 20.
Traupel, Walter, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Gas turbine plant. 2,242,767; May 20.
Traver, Clarence H., assignor to The Dole Valve Company, Chicago, Ill. Draft deflector. 2,242,930; May 20.
Traver, Clarence H., assignor to The Dole Valve Company, Chicago, Ill. Draft deflector. 2,242,931; May 20
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trico Products Corporation. (See Stahl, Eugen, assignor.)
Trowbridge, Robert S., New York, N. Y. Display device. 2,242,804; May 20.
Troyer, Ralph C., Newton, Kans. Grease pump 2,242,687; May 20.
Tuffnell, William L. (See Bennett, A. F., Polk, and Tuffnell.)
Turinsky, Otto, Chicago, Ill. Smoking pipe. 2,242,805; May 20.
Turkington, Victor H., Caldwell, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, New York, N. Y. Oil composition. 2,242,489; May 20.
Turner, James F., and C. P. Breidenbaugh, assignors to Flynn & Emrich Company, Baltimore, Md. Ice cubing machine. 2,242,932; May 20.
Turner, Wellmore B., et al., executors. (See Sherman, John Q.)
Turnham, Ellis D., assignor to Joe Weingarten, Houston, Tex. Merchandise handler. 2,242,408; May 20.
Ulrich, Heinrich, and K. Kuespert, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Nitrogenous condensation product from 1.2-alkylene imines. 2,242,490; May 20.
Ulrich, Rudolf H., Akron, Ohio. Apparatus for making dipped goods. 2,242,732; May 20.
Underwood Elliott Fisher Company. (See Neidich, Samuel A., assignor.)
Underwood, Howard C., Flushing, and E. B. Roby, assignors to Phillips-Jones Corporation, New York, N. Y. Garment trimming and turning apparatus. 2,242,665; May 20.
Unger, Meyer, Oneonta, N. Y. Automatic material holdback foot attachment for sewing machines. 2,242,688; May 20.
Unger, Meyer, Oneonta, N. Y. Automatic material holdback means for sewing machines. 2,242,689; May 20.
Union Carbide and Carbon Corporation. (See George, Harry S., assignor.)
Union Carbide and Carbon Corporation. (See Turkington, Victor H., assignor.)
Union Oil Company of California. (See Blount, Arthur L., assignor.)
Union Switch & Signal Company, The. (See Allen, Earl M., assignor.)
Union Switch & Signal Company, The. (See Williamson, Arba G., assignor.)
Unipress Company, The. (See Raynolds, John F., assignor.)
United-Carr Fastener Corporation. (See Murphy, Howard J., assignor.)
United-Carr Fastener Corporation. (See Woodward, Clement A., assignor.)
United Pipe and Supply Company. (See Heanue, James E., assignor.)
United Shoe Machinery Corporation. (See Barton, William A., assignor.)
United Shoe Machinery Corporation. (See Bray, W. N., and Bagshaw, assignors.)
United Shoe Machinery Corporation. (See Campbell, Rouel R., assignor.)
United Shoe Machinery Corporation. (See Elliott, H. E., and Mawbey, assignors.)
United Shoe Machinery Corporation. (See Fausse, Joseph, assignor.)
United Shoe Machinery Corporation. (See Griswold, S. M., and Nash, assignors.)
United Shoe Machinery Corporation. (See Hooper, Frederick E., assignor.)
United Shoe Machinery Corporation. (See Knowles, Loyd G., assignor.)
United Shoe Machinery Corporation. (See Lancaster, John T., assignor.)
United Shoe Machinery Corporation. (See Meyer, Vernon H., assignor.)
United Shoe Machinery Corporation. (See Ray, Eugene J., assignor.)
United Shoe Machinery Corporation. (See Ruhr, H. R., and Söhnle, assignors.)
United States Rubber Company. (See Frost, Raymond B., assignor.)
U. S. Slicing Machine Company. (See Ahrndt, Arthur H., assignor.)
Universal Camera Corporation. (See Cazin, Otto K., assignor.)
Universal Camera Corporation. (See Githens, O. W., Kende, and Porter.)
Universal Oil Products Company. (See Benedict, W. L., and Ahlberg, assignors.)
Universal Oil Products Company. (See Mather, Percy, assignor.)
Universal Oil Products Company. (See Thomas, C. L., and Bloch, assignors.)
University of Minnesota, Regents of the. (See Burr, George O., assignor.)
Upton, Albert L., St. Louis, Mo. Sound amplifying system. 2,242,556; May 20.
Urschel, Joe R. (See Urschel, William E. and J. R.)
Urschel, William E. and J. R., Valparaiso, Ind. Apparatus for cutting materials. 2,242,557; May 20.
Uschmann, Curt. (See Wendling, Alfred J., assignor.)
Usselman, George L. (See Finch, J. L., and Usselman.)
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Energy measuring system. 2,242,874; May 20.
Vail, James G., Media, assignor to The Philadelphia Quartz Company, Philadelphia, Pa. Detergent composition and manufacture thereof. 2,243,054; May 20.
Van Brunt, John, Flushing, N. Y., and A. C. Weigel, East Orange, N. J., assignors to Combustion Engineering Company, Inc., New York, N. Y. Slagging furnace. 2,242,491; May 20.
Van Tongeren, Hermannus. (See Hagemans, Karel L., assignor.)
Van Zomeren, William H., Kalamazoo, Mich. Sanding drum. 2,242,377; May 20.
Varian, Russell H., assignor to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. Electrical translating system and method. 2,242,275; May 20.
Varian, Sigurd F., and W. W. Hansen, assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Electrical converter. 2,242,249; May 20.
Venzie, Walter H., Philadelphia, Pa. Building interior construction. 2,242,558; May 20.
Verzier, Harold N. (See Purinton, F. G., Zwiebel, and Verzier.)
Victor Adding Machine Company. (See Garbell, Max, assignor.)
Vincent, Jesse G., Grosse Pointe, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,242,276; May 20.
Vissering, Harry, assignor to Interlake Iron Corporation, Chicago, Ill. Cast iron pavement. 2,242,559; May 20.
Vogt, Clarence J. (See Leighton, L. B., and Vogt.)
Vollbach, Wilhelm, Cologne-Worringen, and J. Hennig, assignors to "Marschall" Auto-Motorradteile-Vertrieb Könnig & Co. Kom. Ges., Cologne-Ehrenfeld, Germany. Ventilation of rooms and the like. 2,242,378; May 20.
Von Zeppelin, Helmut, Bitterfeld, Germany, assignor, by mesne assignments, to W. H. Duisberg, New York, N. Y. Production of beryllium compounds. 2,242,492; May 20.
Von Zeppelin, Helmut, Bitterfeld, Germany, assignor, by mesne assignments, to W. H. Duisberg, New York, N. Y. Production of beryllium compound. 2,242,493; May 20.
Voss, Johann H. H., White Plains, N. Y. Float valve. 2,242,560; May 20.
Wachsman, Ben, Brooklyn, N. Y., assignor to Wachsman Sons', Inc. Electric stop motion for knitting machines. 2,242,875; May 20.
Wachsman Sons', Inc. (See Wachsman, Ben, assignor.)
Wagner, Albert N., Cary, Ill. Coin counting device. 2,242,933; May 20.
Wagner Electric Corporation. (See Freeman, Walter R., assignor.)

Wahl, Arthur M., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Torque limiting device. 2,242,379; May 20.
Wall, Elige B. (See Henry, David L., assignor.)
Wallace, Charles A., Columbia, S. C. Pipe molding machine. 2,242,690; May 20.
Wallace, Frederick J., Erie, Pa., assignor to Robeson Process Company, New York, N. Y. Coating composition. 2,242,601; May 20.
Walsh, Thomas J., West Hempstead, assignor to P. Nardell, Bronx County, and J. Ladaga and W. L. Morris, New York, N. Y., jointly. Camera. 2,242,666; May 20.
Walter, Harry W., Baltimore, Md. Walking doll. 2,243,043; May 20.
Walters, Claude W. (See Pritchard, N. J., and Walters.)
Walz, Mae G., San Antonio, Tex. Never-slip corset holder. 2,242,561; May 20.
Warden, Leonard L., Sr., Pharr, Tex. Portable watering tower. 2,242,840; May 20.
Warrick, Ray W., Crozet, Va. Vaporizer manifold. 2,242,841; May 20.
Waterbury Lock & Specialty Company, The. (See Evans, William E., assignor.)
Waterman, Max L., Fairfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,242,962; May 20.
Watson, Douglas W., Iraan, Tex., assignor to Shell Development Company, San Francisco, Calif. Double duty fishing tool. 2,242,602; May 20.
Wean Engineering Company, The. (See Holdgate, J. C., Donald, and McArthur, assignors.)
Weaver, Elbert F., Calumet City, Ill., assignor to International Smelting & Refining Company. Electrolytic production of lead chromates. 2,242,634; May 20.
Weber, Don A., assignor to The Deister Concentrator Company, Fort Wayne, Ind. Material separating apparatus. 2,242,562; May 20.
Weigel, Albert C. (See Van Brunt, J., and Weigel.)
Weingarten, Joe. (See Turnham, Ellis D., assignor.)
Weinmayr, Viktor M., Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Separation of carbazole. 2,242,842; May 20.
Weiss, Ludwig, Frankfort-on-the-Main, Germany, assignor to Chemical Marketing Company Inc., New York, N. Y. Colored gold alloy. 2,243,023; May 20.
Weldy, Arthur S., Hartford, Conn. Liquid level gauge. 2,242,603; May 20.
Wells, Albert S., and J. H. Clark, assignors to Wells-Gardner & Company, Chicago, Ill. Tuner for radio receiving sets. 2,242,768; May 20.
Wells, Edward C., assignor to Boeing Aircraft Company, Seattle, Wash. Flexible exhaust line joint. 2,242,604; May 20.
Wells-Gardner & Company. (See Wells, A. S., and Clark, assignors.)
Welte Mignon Piano Corporation. (See Cheek, Tolbert F., assignor.)
Wendling, Alfred J., assignor of eighty one-hundredths to C. Uschmann, Huntington Park, Calif. Transmission belt. 2,242,963; May 20.
Werner, Calvin J., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Switch. 2,242,769; May 20.
West, Clifford S., Adams, Mass. Clothesline apparatus. 2,242,563; May 20.
Westby, George C., Seattle, Wash., assignor to Soluble Silicates Process Company, Inc. Treatment of silica ores. 2,243,044; May 20.
Western Cartridge Company. (See Burton, Frank F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baudry, René A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brumley, John D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Buchanan, Lloyd W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cook, Willard G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cox, Joseph H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Diamond, Hymen, assignor.)
Westinghouse Electric & Manufacturing Company. (See Dickinson, R. C., and Nau, assignors.)
Westinghouse Electric & Manufacturing Company. (See Falk, Johannes, assignor.)
Westinghouse Electric & Manufacturing Company. (See Green, J. H., and St. John, assignors.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanzlik, Henry J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Harder, Edwin L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kroon, Reinout P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lee, Reuben, assignor.)
Westinghouse Electric & Manufacturing Company. (See Lessmann, Gerhard P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lessmann, G. P., and Lehr, assignors.)
Westinghouse Electric & Manufacturing Company. (See Ludwig, Leon R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ludwig, L. R., and Horn, assignors.)
Westinghouse Electric & Manufacturing Company. (See Ludwig, L. R., Rawlins, and Nau, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lyle, Frederick W., assignor.)
Westinghouse Electric & Manufacturing Company. (See MacDonald, Howard G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Packer, Lewis C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rennie, Robert F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rentschler, H. C., and Henry, assignors.)
Westinghouse Electric & Manufacturing Company. (See Russell, W. J., and Heilman, assignors.)
Westinghouse Electric & Manufacturing Company. (See Staggs, Russell W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stephenson, James G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tobey, Raymond E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wahl, Arthur M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Yorsimer, Orland H., assignor.)
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Periodic wave generator. 2,242,934; May 20.
Wheeling Steel Corporation. (See Conner, Guy O., assignor.)
White, Jay B., Alief, Tex. Rotary impression seal. 2,243,024; May 20.
White, Louie M., Hermiston, Oreg. Ceiling wallboard tool. 2,242,380; May 20.
White, Roy M., South Pasadena, Calif. Electric welding apparatus. 2,242,691; May 20.
Whitney, George W. (See Parker, L. F., and Whitney.)
Whitten, Owen M., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake. 2,242,733; May 20.
Whittelsey, Henry N., Greenwich, Conn. Marine vessel. 2,242,635; May 20.
Whittlesey, Austin C., Pasadena, Calif. Hydraulic clutch. 2,242,734; May 20.
Whyte, David W., Brantford, Canada, assignor to A. G. Spalding & Bros. Inc., New York, N. Y. Method and apparatus for making balls. 2,243,045; May 20.
Wickes Bros. (See Floeter, Frederick S., assignor.)
Widess, David, Pasadena, Calif. Location indicator for maps. 2,242,735; May 20.
Wiedbrauck, Erich. (See Fulda, W., Wiedbrauck, and Büche.)
Wilder, Marjorie C., New York, and C. B. Ramsay, Forest Hills, N. Y., assignors to J. C. Penney Company, Inc. Overall ticket. 2,242,736; May 20.
Wile, Daniel D, Utica, N. Y., assignor to Detroit Lubricator Company, Detroit, Mich. Refrigerating system. 2,242,334; May 20.
Willard Storage Battery Company. (See Raney, Robert M., assignor.)
Williams, Alfred L. W., Cleveland, and J. P. Arndt, Jr., East Cleveland, assignors to The Brush Development Company, Cleveland, Ohio. Microphone. 2,242,964; May 20.
Williams, David M., Godwin, N. C. Sear mechanism for firearms. 2,242,496; May 20.
Williams, Leo L. (See Jencick, Stephen, assignor.)
Williams, Silas E. (See Adams, A. H., Murphy, and Williams.)
Williamson, Arba G., Carnegie, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track circuit apparatus. 2,242,984; May 20.
Willson, David S., Muskegon Heights, Mich., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Liquid dispensing apparatus. 2,242,714; May 20.
Wills, Percy, assignor to W. & F. Wills, Limited, Bridgewater, England. Shock absorber. 2,242,564; May 20.
Wills, W. & F., Limited. (See Wills, Percy, assignor.)
Wilson Citrus Fruit Juice Extracting Machine Corporation. (See Wilson, George E., assignor.)
Wilson, George E., assignor to Wilson Citrus Fruit Juice Extracting Machine Incorporated, Fort Lauderdale, Fla. Citrus fruit juice extracting machine. 2,243,025; May 20.
Wilson, Herbert O., Livingston, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electric switch. 2,242,636; May 20.
Winters, Lee L., Monroe, Mich. Perfume dispenser. 2,242,876; May 20.
Winthrop Chemical Company. (See Eisleb, Otto, assignor.)
Winthrop Chemical Company. (See Herrmann, W., and Hampe, assignors.)
Wittkuhns, Bruno A. (See Carlson, B. G., and Wittkuhns.)
Wolf, Austin M., Plainfield, N. J. Ventilating and cooling system for motor vehicles. 2,242,494; May 20.
Wolf, Austin M., Plainfield, N. J. Accessory for motor vehicle power plants. 2,242,495; May 20.

Wolf, Edgar, Krefeld, Germany, assignor to Heberlein Patent Corporation, New York, N. Y. Chemicals for water repellence. 2,242,565; May 20.
Wolf, Georg, G. m. b. H. (See Wolf, Richard, assignor.)
Wolf, Richard, assignor to Georg Wolf G. m. b. H., Berlin, Germany. Cystoscopic lithotrite. 2,243,057; May 20.
Wood, John, Manufacturing Company. (See Willson, David S., assignor.)
Wood, John, Manufacturing Company. (See Woodford, J. C., and Fernly, assignors.)
Wood, Robert I. (See Daniels, C. H., and Wood.)
Woodford, Joseph C., Wayne, and J. E. Fernly, Conshohocken, assignors to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Fluid meter. 2,242,715; May 20.
Woodings-Verona Tool Works. (See Richardson, Andrew T., assignor.)
Woodward, Clement A., Dedham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Bearing member and bearing installation. 2,242,716; May 20.
Worthington, Hood. (See Greenewalt, C. H., and Worthington.)
Wulfhekel, Herbert. (See Hartmann W., and Wulfhekel.)
Wünsch, Guido, Berlin-Steglitz, Germany, assignor to Askania-Werke A. G. vormals Central-werkstatt-Dessau und Carl Bamberg-Friedenau. Gyroscope. 2,242,806; May 20.
Wurlitzer, Rudolph, Company, The. (See Smith, Gerald G., assignor.)
Wysong, James R., assignor to Larus & Brother Co., Inc., Richmond, Va. Tobacco measuring and feeding machine. 2,243,058; May 20.
Yale & Towne Manufacturing Company. (See Quayle, George, assignor.)
Yingling, Frank B., Hamilton, Ohio. Car washer. 2,242,692; May 20.
Yonkers, Edward H., Jr., Glencoe, Ill. Suction cleaner. 2,242,277; May 20.
Yonkers, Edward H., Jr., Glencoe, Ill. Suction cleaner. 2,242,278; May 20.
Young, Arthur A., Manchester, N. H., assignor to Anchor Manufacturing Co., Boston, Mass. Electric meter trough cover and socket ring therefor. 2,242,637; May 20.
Young, Clarence P., Bellflower, Calif. Hydraulic knuckle. 2,242,279; May 20.
Young, Lloyd W. (See Bucknam, J. H., Young, and Gelbig.)
Yorsimer, Orland H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cabinet construction. 2,242,335; May 20.
Zeidler, Kurt E., Pittsburgh, Pa., assignor to Standard Railway Refrigerator Company, Chicago, Ill. Refrigerator car construction. 2,243,026; May 20.
Zeunert, Robert, Chicago, Ill. Mold. 2,242,985; May 20.
Zimmerman, Fred R. (See Nachman, F. A., Zimmerman.)
Zinke, Alois. (See Hönel, H., and Zinke.)
Zintl, Eduard, Darmstadt, W. Krings, Bitterfeld, and W. Bräuning, Sandersdorf, Germany, assignors by mesne assignments to Walther H. Duisberg, New York, N. Y. Removing silica from minerals, slags, and similar materials. 2,242,497; May 20.
Zipper, Emil, Paris, France. Wheel. 2,242,986; May 20.
Zwick, Kurt, Munich, assignor to F. Deckel, Munich-Prinz Ludwigshohe, Bavaria, Germany. Slide guide for machine tools. 2,242,498; May 20.
Zwelbel, William A. (See Purinton, F. G., Zwiebel, and Verzier.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF MAY, 1941

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Container and ejector, Combination. V. F. Greaves. Re. 21,805; May 20.
Control system. H. H. Gorrie. Re. 21,804; May 20.
Frequency control. N. E. Lindenblad. Re. 21,807; May 20.
Ironing machine. C. C. Scheele. Re. 21,808; May 20.
Method and apparatus for water-drive production of mineral oil. C. R. Wagner and R. H. Carr. 21,809; May 20.
Valve control, Light. M. J. Johnson. Re. 21,806; May 20.

LIST OF PLANT INVENTIONS

Rose plant. J. de Vink. 466; May 20.

LIST OF DESIGN INVENTIONS

Alphabet for forming monograms or similar article. G. A. Armstrong. 127,290; May 20.
Ash receiver. E. Collat. 127,294; May 20.
Ash tray. J. M. Pearce. 127,306; May 20.
Badge or similar article. J. Chan. 127,269; May 20.
Barometer, thermometer, and hygrometer, Combined. H. L. MacCowan. 127,303; May 20.
Book end or similar article. C. Schmitz. 127,311; May 20.
Bowl or similar article. C. Schmitz. 127,312; May 20.
Bowl, Serving. A. F. Ramsthal. 127,279; May 20.
Box, Perfume. K. Black. 127,315; May 20.
Bracket, Wall. G. Rebechini. 127,280; May 20.
Brooch or the like. T. S. Themelis. 127,433; May 20.
Buckle. W. J. Morse. 127,376; May 20.
Buckle, Belt. H. Stelzer. 127,287; May 20.
Building. J. A. Chambers. 127,293; May 20.
Building. L. H. Hitt. 127,322; May 20.
Cabinet, Laundry machine. W. J. Russell. 127,308; May 20.
Case, Clock. L. I. Bruce. 127,367; May 20.
Chair back. V. Schreckengost. 127,281; May 20.
Cigarette dispensing and display device. C. Love. 127,302; May 20.
Clip, Pin. A. Philippe. 127,327–9; May 20.
Comport or similar article. C. W. Gustkey. 127,271; May 20.
Confection, Frozen. H. Siemund. 127,285; May 20.
Container and dispensing unit, Combined. J. Schwalbe. 127,282; May 20.
Container and lollipop display, Combined. C. A. Briggs. 127,292; May 20.
Container, Dispensing. R. J. Wilkie. 127,313; May 20.
Container, Display. G. L. Rosenfeld. 127,331; May 20.
Container, Flower. R. G. Block. 127,291; May 20.
Container or similar article, Perfume. R. B. Karoff. 127,296; May 20.
Container, Rouge. W. B. Petzold. 127,326; May 20.
Cosmetic applicator. C. E. Zimmerman. 127,338; May 20.
Curler, Hair. A. L. Wyatt. 127,336; May 20.
Curtain. M. N. Sobiloff. 127,332; May 20.
Doll. J. Weiss. 127,335; May 20.
Dress. V. Amen. 127,339; May 20.
Dress. M. Carbotti. 127,340–3; May 20.
Dress. B. Cashin. 127,344–5; May 20.
Dress. W. Clion. 127,346; May 20.
Dress. J. M. Fauth. 127,415–20; May 20.
Dress. M. Fields. 127,392; May 20.
Dress. P. E. Fields. 127,347; May 20.
Dress. M. Gaudiosi. 127,421–30; May 20.
Dress. A. Gershuny. 127,393; May 20.
Dress. J. Goldman. 127,349; May 20.
Dress. B. Hallowoy. 127,350; May 20.
Dress. F. Hannah. 127,395; May 20.
Dress. W. Mariani. 127,375; May 20.
Dress. B. Recht. 127,355–9; May 20.
Dress. B. Recht. 127,380–7; May 20.
Dress. B. Recht. 127,399; May 20.
Dress. J. Richards. 127,360–3; May 20.
Dress. S. Riesenberg. 127,389; May 20.
Dress. J. Walker. 127,403; May 20.
Dress ensemble. O. C. Nadel. 127,432; May 20.
Dress ensemble. S. Riesenberg. 127,401; May 20.
Dress ensemble. P. Zahn. 127,365; May 20.
Dress, Wrap-around. L. Caston. 127,368; May 20.
Dwelling. W. Neff. 127,276; May 20.
Fabric, Curtain. J. G. Hunniford. 127,372; May 20.
Fabric, Elastic. A. Richards. 127,400; May 20.
Fabric or similar article, Textile. J. Morris. 127,407; May 20.
Fabric or similar article, Textile. C. Rosenstein. 127,307; May 20.
Fabric, Textile. E. Lambert. 127,435; May 20.
Fabric, Textile. J. Rochelle. 127,408–10; May 20.
Fabric, Textile. P. S. Schwartz. 127,402; May 20.
Fabric, Textile. A. Tillman. 127,414; May 20.
Fan and playing card holder, Combined. J. A. Paradise. 127,354; May 20.
Fastener, Attaching member. C. Nilsen. 127,377; May 20.
Game board. F. G. Farrell. 127,319; May 20.
Game board, Dice. S. R. Osterman. 127,305; May 20.
Game pieces, Set of. B. J. Bratt. 127,316; May 20.
Garment, Foundation. K. K. Smythe. 127,411; May 20.
Glass, Reading. S. E. Bouchard. 127,366; May 20.
Glasses, Sun. J. Hommer. 127,371; May 20.
Heater, Laundry. J. C. Barnes. 127,314; May 20.
Helmet or similar article, Firemen's. E. Cairns. 127,404; May 20.
Hood. E. C. Lindfelt. 127,436; May 20.
Key container and coin purse. J. Schwalbe. 127,283; May 20.
Label blank. L. J. Gayda. 127,348; May 20.
Lace. W. Michl. 127,406; May 20.
Lace. I. Zendman. 127,337; May 20.
Lavatory. H. V. Kohler and C. W. Zillier. 127,274; May 20.
Light diffuser. E. F. Guth. 127,394; May 20.
Lighting fixture, Fluorescent. H. J. Claspy. 127,391; May 20.
Lighting fixture, Flourescent. C. F. Johnston. 127,397; May 20.
Lighting fixture, Fluorescent. J. E. Jordan. 127,374; May 20.
Lighting fixture, Fluorescent. J. E. Jordan. 127,398; May 20.
Lighting fixture, Fluorescent. A. G. Parisson. 127,379; May 20.
Monoplane, High wing. A. A. Theodoropulos. 127,412; May 20.
Monoplane, Pursuit. A. A. Theodoropulos. 127,413; May 20.
Nail set or similar article. W. H. Shortell. 127,284; May 20.
Page for a loose-leaf cash book. W. S. Close. 127,317; May 20.
Paper or similar article, Wrapping. L. Medgyes. 127,431; May 20.
Papeterie. C. Froelich. 127,370; May 20.
Pipe, Air finned smoking. W. Leser. 127,324; May 20.
Plate or similar article. C. W. Leigh. 127,297–300; May 20.
Plate or similar article. C. W. Leigh. 127,352; May 20.
Pressing device. J. J. Getgey. 127,320; May 20.
Rack and holder for brooms, mops, or the like, Combined display. C. S. Anderson. 127,266; May 20.
Rack, Floral. D. E. McGuire. 127,304; May 20.
Rack for a refrigerator, oven, or the like. L. A. Young. 127,289; May 20.
Rack, Tie. A. W. Franklin. 127,295; May 20.
Rug. M. Feldman. 127,405; May 20.
Sachet. L. M. Hartvig. 127,321; May 20.
Sachet ball and holders therefor, Combined. J. E. Vivaudou. 127,437; May 20.

Sachet ball, perfume bottle and holders therefor, Combined. J. E. Vivaudou and H. G. Lubin. 127,434; May 20.
Scale and safety brackets, Combined weighing. G. F. Hochriem. 127,351; May 20.
Section of an accordian, Bass. M. Soprani. 127,286; May 20.
Sheet metal pressure container. H. C. Boardman. 127,267–8; May 20.
Shield, Combination eye and ear. L. N. Johnson. 127,373; May 20.
Shoe sole. D. C. Hubbard. 127,273; May 20.
Spectacles, Pair of. J. W. Engler. 127,270; May 20.
Spoon. L. Cohn. 127,360; May 20.
Stand or similar article, Shade guide. J. M. Purcell. 127,330; May 20.
Stapling machine. W. G. Pankonin. 127,378; May 20.
Statuette or similar article. N. W. Hirsch. 127,272; May 20.
Store front. L. H. Laraway. 127,275; May 20.
Stove, Electric. A. S. Knapp. 127,323; May 20.
Support for ironing boards, Swivel. W. A. Noack. 127,277; May 20.
Support, Manicurist hand. J. H. Warner. 127,364; May 20.
Tape dispenser. J. O. Reinecke. 127,388; May 20.
Thermometer. H. L. MacCowan. 127,325; May 20.
Tire, Pneumatic. R. S. Lombard. 127,301; May 20.
Tire, Pneumatic. S. P. Thacher. 127,333–4; May 20.
Top for a water cooler or similar article. A. A. Ralston and D. C. Rinehart. 127,278; May 20.
Toy aeroplane. J. E. Durden. 127,318; May 20.
Tray and holder for cigarettes and matches, Combined ash. C. H. Marks. 127,353; May 25.
Tray and lighter, Combined ash. J. F. Schylander. 127,390; May 20.
Vacuum cleaner casing. G. W. Walker. 127,288; May 20.
Vase or similar article. C. Schmitz. 127,309–10; May 20.
Wheel balancing machine. L. Hunter, Jr. 127,396; May 20.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 20TH DAY OF MAY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading device. A. C. Burleigh. 2,242,229; May 20.
Absorbent pad. J. B. Biederman. 2,242,937; May 20.
Accessory for motor vehicle power plants. A. M. Wolf. 2,242,495; May 20.
Accessory system for motor vehicles. E. C. Horton. 2,243,036; May 20.
Accumulator. O. D. McFarland. 2,242,751; May 20.
Acetylene generator. M. P. De Motte and R. C. Pierson. 2,242,571; May 20.
Acid, Vaporization of adipic. C. H. Greenewalt and H. Worthington. 2,242,466; May 20.
Acoustic device. T. J. Pope. 2,242,755; May 20.
Actuator, Hydraulic. A. E. Jurs. 2,242,676; May 20.
Adding and recording machine. M. Garbell. 2,242,908; May 20.
Air cleaner. J. C. Enblom. 2,242,460; May 20.
Air control for forced draft firing, Automatic. N. Cunningham. 2,242,667; May 20.
Aircraft with controllable sustaining rotors. J. de la Cierva. 2,242,457; May 20.
Air distributing head for tire inflation devices. J. F. Bowers. 2,242,207; May 20.
Airplane launching device. J. C. Taylor, Jr. 2,242,628; May 20.
Airplane, Water spraying. I. Gordon. 2,242,705; May 20.
Airscrew, Selective two pitch. G. Algarsson. 2,243,046; May 20.
Alkylation. A. L. Blount. 2,242,845; May 20.
Alloy: *See*—
Colored gold alloy. Nickel alloy.
Manganese alloy.
Alloy. E. Fetz. 2,242,970; May 20.
Aluminum sulphite, Manufacture of monobasic. W. Fulda, E. Wiedbrauck, and K. Büche. 2,243,060; May 20.
Ammunition. W. L. Finlay and W. O. Stauffer. 2,242,907; May 20.
Amplifier, Mechanical. A. F. Bennett, R. E. Polk, and W. L. Tuffnell. 2,242,284; May 20.
Amusement apparatus. C. D. Arnold. 2,242,843; May 20.
Amusement device, Animated. J. Kunen. 2,242,611; May 20.
Animal trap. J. La Rocca. 2,242,648; May 20.
Anticorrosion agent. J. E. Shields. 2,242,837; May 20.
Antifreeze composition. C. Robinson. 2,242,959; May 20.
Antiskid device for automobiles. G. S. Croome. 2,242,348; May 20.
Apparatus for and method of obtaining or separating volatile substances from solutions containing the same. M. Seidel. 2,242,267; May 20.
Apparatus for cleaning and buffing metal sheets. G. R. Denton. 2,242,292; May 20.
Apparatus for cooling dehydrated forage crops. J. H. Fulmer. 2,242,702; May 20.
Apparatus for curving printing plates. A. B. Schlattner. 2,242,924; May 20.
Apparatus for cutting materials. W. E. and J. R. Urschel. 2,242,557; May 20.
Apparatus for depilating food carcasses. W. L. McCaslin. 2,242,402; May 20.
Apparatus for handling and developing photographic film. J. A. Reyniers. 2,242,600; May 20.
Apparatus for making dipped goods. R. H. Ulrich. 2,242,732; May 20.
Apparatus for making pile fabrics. C. Luckhaupt. 2,242,864; May 20.
Apparatus for measuring bowlers' grips. A. J. Nicholas. 2,242,980; May 20.
Apparatus for mixing oil with steam. A. J. Fisher. 2,242,424; May 20.
Apparatus for sound picture films, Producing. J. Eggert and H. F. Nissen. 2,242,574; May 20.
Apparatus for spinning rayon. A. S. Brown. 2,242,999; May 20.
Apparatus for testing magnetizable work pieces for cracks. E. Müller. 2,242,366; May 20.
Apparatus for the manufacture of figured, covered knitted fabric. J. Hoza. 2,243,007; May 20.
Apparatus for use in lasting shoes. J. Fausse. 2,242,245; May 20.
Apparatus for use in the manufacture of rayon. H. A. Schrenk. 2,242,682; May 20.
Apparel, Wearing. J. Muhr. 2,242,365; May 20.
Arbor, Expanding. R. W. Carl. 2,242,991; May 20.
Articles, Making porous. G. Schneider. 2,242,372; May 20.
Assembling machine. J. T. Lancaster. 2,242,251; May 20.
Attachment for the hoppers of concrete pumps, Agitating. C. F. Ball. 2,243,028; May 20.
Automobile. O. Siebler. 2,242,269; May 20.
Automobile heater. H. J. De N. McCollum. 2,242,316; May 20.
Automotive vehicle. J. Kolbe. 2,242,584; May 20.
Awning. L. Duca. 2,242,697; May 20.
Axle construction. C. E. Cochran. 2,242,453; May 20.
Backing for wall or ceiling treatment. M. R. Price. 2,242,835; May 20.
Baking utensil and similar receptacles. K. Stuart. 2,242,684; May 20.
Balance for watches, Shock-resisting. W. Sadovsky and J. F. Powell. 2,242,712; May 20.
Ball dispensing attachment for pool tables. C. L. Guy. 2,242,392; May 20.
Balls, Making playing. F. S. de Beer. 2,242,455; May 20.
Balls, Method and apparatus for making. D. W. Whyte. 2,243,045; May 20.
Band repeaters, Design of broad. H. W. Bode. 2,242,878; May 20.
Bathroom fixture. R. Fisher. 2,242,461; May 20.
Bathtub. G. A. Buckel. 2,242,930; May 20.
Baton, Illuminated twirling. C. R. Pedersen. 2,242,981; May 20.
Battery cell cover. G. R. Godber. 2,242,672; May 20.
Battery, Storage. R. M. Raney. 2,242,599; May 20.
Bearing: *See*—
Replaceable bearing.
Bearing. R. J. Shoemaker and C. M. House. 2,242,440; May 20.
Bearing member and bearing installation. C. A. Woodward. 2,242,716; May 20.
Bearings, Making. R. J. Shoemaker and C. M. House. 2,242,441; May 20.
Bearings, Making journal. R. J. Shoemaker and C. M. House. 2,242,439; May 20.
Beds traversed by drill holes, Determining the. E. G Leonardon. 2,242,612; May 20.
Belt, Transmission. A. J. Wendling. 2,242,963; May 20.
Bench, Kneeling. J. E. Shea, Jr. 2,242,925; May 20.
Beryllium compounds, Production of. H. von Zeppelin. 2,242,492–3; May 20.
Binder, Magazine. H. T. Arends. 2,242,740; May 20.
Binder, Spiral. S. W. Dow. 2,242,696; May 20.
Blind, Orifice plate or line. L. S. Hamer. 2,242,467; May 20.
Blind, Venetian. R. C. Pratt. 2,242,923; May 20.
Block: *See*—
Walking block.
Blowpipe. H. W. Jones and W. J. Jacobsson. 2,242,471; May 20.
Blowers, Making. F. G. Marbach. 2,242,586; May 20.
Board: *See*—
Paper holding board.
Boiler. G. A. Close. 2,242,744; May 20.
Boiler drop lug. R. N. Miller. 2,242,798; May 20.
Boiler installations, Cleaning coal fired. K. L. Hagemans. 2,242,354; May 20.
Bolster and cross-bearer construction, Welded. W. J. Meyer. 2,242,727; May 20.
Bolt for fastening device, Locking. L. L. Haynes. 2,242,707; May 20.
Bottle closure. A. Burkardt. 2,242,966; May 20.
Bottle, Nonrefillable. N. S. Tice. 2,242,632; May 20.
Bottle washer. J. G. Patterson. 2,243,015; May 20.
Box: *See*—
Outlet box. Stereotype casting box.
Removable snelless fly box.
Box making machine. F. R. Neely. 2,243,051; May 20.
Brace or like article. H. J. Bayon. 2,242,221; May 20.
Bracelet, finger ring, and the like, Combined novelty wind musical instrument and. C. L. Healy. 2,242,912; May 20.
Brake. H. C. Swift. 2,242,685; May 20.
Brake. O. M. Whitten. 2,242,733; May 20.
Brake connection for railway cars and the like, Resilient. G. B. Dorey. 2,242,994; May 20.
Brake mechanism. W. J. McClenahen. 2,242,790; May 20.
Braking equipment. H. F. Flowers. 2,242,856; May 20.
Braking equipment, Air cooled. H. F. Flowers. 2,242,855; May 20.
Braking equipment for tandem wheel truck structures. H. F. Flowers. 2,242,853–4; May 20.
Bridge, Bascule. C. H. Moore. 2,242,615; May 20.
Bridge dummy server. J. D. Brown. 2,242,447; May 20.

Bridge score sheet holder. S. Linder. 2,242,893; May 20.
Broaching machine. F. S. Floeter. 2,242,578; May 20.
Bucket, Automatic clamshell. F. Caolt. 2,242,940; May 20.
Building interior construction. W. H. Venzie. 2,242,558; May 20.
Building mold. J. Hallisy. 2,242,973; May 20.
Button backing for snap fastener elements. R. E. Fenton. 2,242,352; May 20.
Button, Detachable. S. T. Pollak. 2,242,595; May 20.
Button, Reflector. H. Bastow. 2,242,382; May 20.
Cabinet: *See*—
Professional cabinet.
Cabinet construction. O. H. Yoxsimer. 2,242,335; May 20.
Calcium carbonate, Making. D. B. Bradner. 2,242,228; May 20.
Camera. T. J. Walsh. 2,242,666; May 20.
Can attachment, Tobacco. W. F. Knox. 2,242,914; May 20.
Can handling apparatus. F. C. Marx. 2,242,631; May 20.
Can righting mechanism. F. C. Marx. 2,242,532; May 20.
Cap: *See*—
Bathing cap.
Cap. C. E. McManus. 2,242,256; May 20.
Cap, Bathing. T. C. Di Giovanna. 2,242,420; May 20.
Car: *See*—
Mine car. Refrigerator car.
Car dumper. P. A. Fanner. 2,242,820; May 20.
Car dumping machine. P. A. Fanner. 2,242,819; May 20.
Car roof. G. P. Torburn. 2,242,766; May 20.
Car washer. F. B. Yingling. 2,242,692; May 20.
Carbazole, Separation of. V. M. Weinmayr. 2,242,842; May 20.
Carbazoles, Preparation of naphthoquinone. W. Burneleit. 2,242,449; May 20.
Carburetor structure. M. E. Jones. 2,242,825; May 20.
Carcass treatment. A. S. Hartanov. 2,242,300; May 20.
Carrier: *See*—
Panel carrier.
Carton. W. J. Betts and F. H. Stowitts. 2,242,741; May 20.
Cartoning machine and method, Egg. H. C. Johnson. 2,242,304; May 20.
Case: *See*—
Key case.
Cast iron pavement. H. Vissering. 2,242,559; May 20.
Casting, Centrifugal. W. G. Donald and J. L. Martin. 2,242,239–40; May 20.
Casting plug. W. L. Adams. 2,242,965; May 20.
Catalyst and preparing the same. J. L. de Roos. 2,242,849; May 20.
Catalyst and process, Hydrogenation. T. G. Strickland. 2,242,627; May 20.
Catalytic apparatus. M. T. Carpenter. 2,242,390; May 20.
Catalytic desulphurization. G. A. Boyd. 2,242,387; May 20.
Catch for sliding roofs for motor vehicles. W. and W. Baier. 2,242,844; May 20.
Cathode, Electron emissive. W. Hartman and H. Wulfhekel. 2,242,395; May 20.
Ceiling wallboard tool. L. M. White. 2,242,380; May 20.
Cellulose derivatives having an increased rate of solubility, Producing porous. G. Schneider. 2,242,373; May 20.
Cement and alkali metal aluminate, Manufacture of. W. Noll. 2,242,258; May 20.
Chain machine, Automatic. W. F. Hess. 2,242,824; May 20.
Chair back. H. P. Nordmark. 2,242,540; May 20.
Chair or seat, Laterally extending. C. L. Parry. 2,242,617; May 20.
Change mechanism for power looms, Shuttle. K. Sakamoto. 2,242,620; May 20.
Chemicals for water repellence. E. Wolf. 2,242,565; May 20.
Chopper for edge trimming shears, Scrap. J. C. Holdgate, W. P. Donald, and D. A. McArthur. 2,242,887; May 20.
Chromium bearing materials, Chlorination of. I. E. Muskat. 2,242,257; May 20.
Chuck. F. S. Floeter. 2,242,579; May 20.
Chuck, Gear. R. P. Garrison. 2,242,823; May 20.
Cigarette package. A. L. Booth. 2,242,694; May 20.
Circuit breaker. E. R. Cappelle. 2,242,232; May 20.
Circuit breaker. T. M. Cole and C. I. Smith. 2,242,717; May 20.
Circuit breaker mechanism. H. G. MacDonald. 2,242,916; May 20.
Circuit control, Automatic exhaust, gas filling, and operating. J. H. Green and G. H. St. John. 2,242,465; May 20.
Circuit for ultra-short waves, Tunable oscillatory. K. Schüssler. 2,242,404; May 20.
Circuit interrupter. R. C. Dickinson and R. H. Nau. 2,242,905; May 20.
Circuit interrupter. L. R. Ludwig. 2,243,038; May 20.
Circuit interrupter. L. R. Ludwig and M. E. Horn. 2,243,039; May 20.
Circuit interrupter. L. R. Ludwig, H. L. Rawlins, and R. H. Nau. 2,243,040; May 20.
Clamp: *See*—
Polish rod clamp.
Clamping coupling joint. G. S. Moore. 2,242,537; May 20.
Clay, Treating. P. D. Barton. 2,242,639; May 20.
Cleaner: *See*—
Air cleaner. Vacuum cleaner.
Suction cleaner. Windshield cleaner.
Cleaning and disinfecting process. J. D. MacMahon. 2,242,315; May 20.
Cleaning and polishing composition. J. Ratner. 2,242,261; May 20.
Clip: *See*—
Pleat clip.
Closure, Bag. R. B. Fortuin. 2,242,857; May 20.
Clothesline apparatus. C. S. West. 2,242,563; May 20.
Clothesline prop, Adjustable. S. H. Hammar. 2,242,609; May 20.
Clutch: *See*—
Hydraulic clutch. Transmission clutch.
Clutch, brake, and flywheel, Combined fluid pressure. E. K. Johansen. 2,242,396; May 20.
Clutch device. H. P. Holt. 2,242,674; May 20.
Coal, Treatment of. W. M. Fuchs. 2,242,822; May 20.
Coating composition. F. J. Wallace. 2,242,601; May 20.
Colored gold alloy. L. Weiss. 2,243,023; May 20.
Coloring matter of the phthalocyanine type. I. M. Heilbron, F. Irving, and R. P. Linstead. 2,242,301; May 20.
Comb-curler. W. B. Dailey. 2,242,349; May 20.
Combustion chamber for internal combustion engines. J. Thysse. 2,242,274; May 20.
Compass, Gyro magnetic. B. G. Carlson and B. A. Wittkuhns. 2,242,233; May 20.
Composition of matter and method and step of making and using the same. M. T. Harvey. 2,242,911; May 20.
Composition for treating coal. W. E. Kleinicke. 2,242,398; May 20.
Compounds of terpene hydrocarbons, Manufacturing oxygen. A. S. Ramage. 2,243,053; May 20.
Compressor. J. Naab. 2,242,368; May 20.
Concrete tank, Reinforced. L. P. Brice and J. Lipsky. 2,242,846; May 20.
Concretes, Manufacture of magnesia. K. Kammüller and R. Schelbe. 2,242,785; May 20.
Condensation products and making them, Resinous. H. Hönel and A. Zinke. 2,242,250; May 20.
Condenser. H. L. Hartzell. 2,242,784; May 20.
Conductor, Electrical. E. S. Taylerson. 2,242,273; May 20.
Connecting device. B. E. Spiro. 2,242,271; May 20.
Connector: *See*—
Termite shield connector. Train pipe connector.
Container. L. B. Leighton and C. J. Vogt. 2,242,829; May 20.
Container and applier. A. M. Griffis. 2,242,947; May 20.
Container for citrus fruits and the like, Shipping. P. E. Olivier. 2,242,711; May 20.
Container outlet. J. M. Felders. 2,242,576; May 20.
Control device for aircraft. P. B. Martin and G. J. Brew, assignors. 2,242,314; May 20.
Control for rolling mills, Tension. W. G. Cook. 2,242,346; May 20.
Control means, Light. J. R. Balsley. 2,242,638; May 20.
Control mechanism. J. Heinzel. 2,242,885; May 20.
Control mechanism, Windshield cleaner. E. Stahl. 2,243,042; May 20.
Control method and mechanism for photographic printers. W. D. Foster and E. L. Parmelee. 2,243,047–48; May 20.
Control system. F. W. Lyle. 2,242,894; May 20.
Control system. R. W. Staggs. 2,242,897; May 20.
Control system for refrigerating apparatus. A. B. Newton. 2,242,728; May 20.
Control system, Starting motor. M. G. Bales. 2,242,772; May 20.
Controller, Moisture. H. G. Cram. 2,242,778; May 20.
Conveyer apparatus, Loading and unloading. W. Bisset. 2,242,206; May 20.
Conveyer for baking ovens. J. V. Cook. 2,242,813; May 20.
Conveyer, Speed compensating. M. J. Anderson. 2,242,409; May 20.
Cooking appliance. W. J. Russell and J. R. Hellman. 2,242,328; May 20.
Cooler: *See*—
Portable cooler
Cooling device for internal combustion engines. W. Seyerle. 2,242,761; May 20.
Copperas, Calcining. B. A. Smith. 2,242,763; May 20.
Cord carry arm, Ironing. E. S. Halsey. 2,242,298; May 20.
Corset holder, Never-slip. M. G. Walz. 2,242,561; May 20.
Countersink structure, Adjustable. S. A. Cogsdill. 2,242,510; May 20.
Counting device, Coin. A. N. Wagner. 2,242,933; May 20.
Coupling. H. T. Kraft. 2,242,216; May 20.

Coupling. W. Stein. 2,242,765; May 20.
Cover: *See*—
Battery cell cover.
Covers to boxes, Detachably securing. G. H. J. Baule. 2,242,503; May 20.
Creasing device. J. L. Lamia. 2,243,061; May 20.
Current collector for trolley buses and other electric road vehicles supplied from overhead wires. F. Szalay. 2,242,839; May 20.
Current limit acceleration, Automatic. J. G. Stephenson. 2,242,375; May 20.
Cushioning and fastening means, Rail. W. S. Boyce. 2,242,773; May 20.
Cushioning unit. E. H. Blattner. 2,242,412–3–4; May 20.
Cutter: *See*—
Grass cutter.
Cutting implement. R. Beaver. 2,242,936; May 20.
Cyclopropane, Preparing. F. C. Chase. 2,242,235; May 20.
Cylinder centering means, Freezer. J. W. Townsend. 2,242,929; May 20.
Cylinder connection, Gas storage. G. M. Deming. 2,242,291; May 20.
Damper device. D. E. Alton. 2,242,738; May 20.
Deflector, Draft. C. H. Traver. 2,242,930–1; May 20.
Deflector for automobile windshields. E. C. Cupit. 2,243,029; May 20.
Dehydrator. H. W. Muth and L. M. Stamberg. 2,242,918; May 20.
Delinter, Cottonseed. J. W. Hoefling and P. M. Hoefling. 2,242,302; May 20.
Desk or table. R. C. Coxhead. 2,242,745; May 20.
Detergent. F. W. Muncie. 2,242,979; May 20.
Detergent composition and manufacture thereof. J. G. Vail. 2,243,054; May 20.
Device for applying adhesive to strip material. R. R. Campbell. 2,242,416; May 20.
Device for connecting parts of portable buildings. E. Miesen. 2,242,614; May 20.
Device for facilitating bending of sails to spars. D. M. Myers. 2,242,319; May 20.
Device for shoring or spragging. W. Sylvester. 2,242,961; May 20.
Deviometer. J. Lyman. 2,242,253; May 20.
Di-amino-alkyl-disulphoxides and process for making them. W. G. Christiansen and M. A. Dolliver. 2,242,236; May 20.
Diaper. C. Marcos. 2,242,977; May 20.
Dibenzo Acridines. E. Lehmann. 2,242,585; May 20.
Diestock. C. H. Ingwer. 2,242,954; May 20.
Digging tool. F. H. Philbrick. 2,242,793; May 20.
Direction indicator. W. E. Oshei. 2,242,920; May 20.
Discharge apparatus, Electric. J. Falk. 2,242,946; May 20.
Discharge device, Pool-type. K. H. Kingdon and E. J. Lawton. 2,242,786; May 20.
Dishpan with removable handles. G. G. Erdos. 2,242,779; May 20.
Disk and making the same, Abrasive. F. O. Albertson. 2,242,877; May 20.
Dispenser: *See*—
Liquid dispenser. Perfume dispenser.
Dispensing apparatus, Liquid. D. S. Willson. 2,242,714; May 20.
Display apparatus for stores, Traveling. L. W. Bowers. 2,242,811; May 20.
Display device. R. S. Trowbridge. 2,242,804; May 20.
Disposal apparatus for fallen leaves. R. R. Poynter. 2,242,922; May 20.
Distributing device for printing machines. W. F. Huck. 2,242,214; May 20.
Distributor attachment for lawn mowers. F. E. Loomis. 2,242,710; May 20.
Distributor, Fertilizer. J. Blue, Jr. 2,242,227; May 20.
Doll, Walking. H. W. Walter. 2,243,043; May 20.
Door construction. H. G. Ainsworth. 2,242,499; May 20.
Door control, Automatic. C. S. Hanson. 2,242,706; May 20.
Door lock. J. F. Ching. 2,242,508; May 20.
Door opening mechanism. R. Haslam. 2,242,647; May 20.
Door tracks and the like, De-icing hanger. S. Saulson. 2,242,329; May 20.
Drafting device. A. Langsner. 2,242,827–8; May 20.
Drapery holder. E. B. Harris. 2,242,355; May 20.
Drier and method of drying. E. Erickson. 2,242,995; May 20.
Drill. O. B. Anderson. 2,242,739; May 20.
Drilling and tapping fixture. K. Panzer. 2,242,792; May 20.
Drive, Turntable. F. H. Fodor. 2,242,518; May 20.
Duct connection for furnaces. Return. J. J. Holub. 2,242,468; May 20.
Dyestuffs and producing same, Organic. C. Schoeller, G. Schwen, and G. Kraemer. 2,242,760; May 20.
Dyestuffs, Manufacture of disazo. M. Müller and R. Ratti. 2,243,014; May 20.
Dyestuffs of the anthraquinone series and making the same, Vat. W. Bauer. 2,242,411; May 20.
Dyestuffs of the anthraquinone-acridone-carbazole series, Vat. W. Bauer. 2,242,446; May 20.
Dyestuffs of the phthalocyanine series. H. Hoyer, R. Schröter, and H. Rinke. 2,242,469; May 20.
Dyestuffs of the triarylmethane series and preparing them, Chromable. W. Eckert and K. Schilling. 2,242,572; May 20.
Dyestuffs, Water-soluble basic. G. Kochendoerfer, W. Mueller, B. Eistert, and W. Retter. 2,242,474; May 20.
Dynamo electric machine, Squirrel-cage. R. A. Baudry. 2,242,339; May 20.
Earth tamper. E. W. Austin. 2,242,808; May 20.
Electric arrangement for transmitting angles. P. Fourmarier, Jr., and M. Lempereur. 2,243,004; May 20.
Electric discharge apparatus. F. H. Gulliksen. 2,242,948; May 20.
Electric discharge tube operating with alternating current, Controllable. A. Etzrodt. 2,242,351; May 20.
Electric heater. G. Steingruber. 2,242,630; May 20.
Electric meter socket support. P. Ficker. 2,242,646; May 20.
Electric motor. W. N. Olson. 2,242,800; May 20.
Electric switch. H. O. Wilson. 2,242,636; May 20.
Electrical converter. S. F. Varian and W. W. Hansen. 2,242,249; May 20.
Electrical system. J. G. Brown. 2,242,812; May 20.
Electrode for short-wave and ultra-short-wave therapy and method for storing the same. L. Hirschland and G. Con-Schmidt. 2,242,886; May 20.
Elevator link and handle. H. E. Grau. 2,242,783; May 20.
Engine: *See*—
Internal combustion engine.
Exhaust line joint, Flexible. E. C. Wells. 2,242,604; May 20.
Extendible tractor frame. C. R. Dafoe. 2,242,570; May 20.
Extruder. L. R. London. 2,242,863; May 20.
Eyeglasses, spectacles, rimless mountings, and lenses, Means and method of setting up. J. W. Smith. 2,242,663; May 20.
Fabric and method, Knitted. R. F. Lovell. 2,242,957; May 20.
Fasteners, Producing separable. J. and J. Püschner. 2,242,794; May 20.
Fastening device, Curtain tieback. J. F. Pekarz. 2,242,478; May 20.
Fastening-inserting machine. H. E. Elliott and L. Mawbey. 2,242,423; May 20.
Fastening-inserting machine. H. R. Ruhr and K. Söhnle. 2,242,437; May 20.
Fault finding system, Electrical transmission line. E. W. Knapp 2,242,956; May 20.
Feed for stock driers, Rotary. S. Bogaty. 2,242,998; May 20.
Feeder: *See*—
Stock feeder.
Fertilizer into the soil, Method and apparatus for injecting. V. R. McFee. 2,242,780; May 20.
Fibers and cellulose from plants, Producing spinnable. H. Plant. 2,243,050; May 20.
Film, Heat-resisting stencil. J. S. Marran. 2,242,313; May 20.
Filter: *See*—
Oil filter. Rotary filter.
Rectifier filter.
Finger ring. H. W. Porter. 2,242,544; May 20.
Firearm construction, Bolt-action. F. F. Burton. 2,242,389; May 20.
Firebox, Locomotive. H. A. Hoke and S. P. Lloyd. 2,242,213; May 20.
Firebrick, Manufacturing insulating. C. L. Norton, Jr. 2,242,434; May 20.
Fire extinguishing system. R. Kürth. 2,242,399; May 20.
Fire extinguishing system. H. M. Salmond and A. Mathisen. 2,242,679; May 20.
Fishhook and trotline holder. D. Coalson. 2,242,509; May 20.
Fishing reel. S. E. Fraim. 2,242,972; May 20.
Fishing tool, Double duty. D. W. Watson. 2,242,602; May 20.
Fitting. L. Armbruster. 2,242,890; May 20.
Fitting machine, Stock. W. N. Bray and C. M. Bagshaw. 2,242,415; May 20.
Flaring tool. R. D. McIntosh. 2,242,831; May 20.
Flaw detecting apparatus. W. C. Barnes and H. W. Keevil. 2,242,220; May 20.
Float valve. J. H. H. Voss. 2,242,560; May 20.
Fluid operated pump. C. J. Coberly. 2,242,777; May 20.
Fluid meter. A. W. Reid. 2,242,659; May 20.
Fluid meter. J. C. Woodford and J. E. Fernly. 2,242,715; May 20.
Flush tank valve. W. H. Cronk. 2,243,002; May 20.
Fly, Sponge rubber. R. D. Lancaster. 2,242,708; May 20.
Foodstuffs, Quick freezing of packaged. F. W. Knowles. 2,242,527; May 20.
Footwear, Manufacture of. A. W. Donovan. 2,242,817; May 20.
Form for concrete. L. J. Sarosdy. 2,242,730; May 20.
Frame: *See*—
Extendible tractor frame.
Frame for street signs, Wing. A. Sprung. 2,242,331; May 20.
Frog, Rerailing. A. L. Sawdy. 2,242,896; May 20.

Fruit treating apparatus. M. Ewald. 2,242,241; May 20.
Fruit treating apparatus. M. Ewald and H. Skog. 2,242,242–3; May 20.
Fruit treating apparatus. M. Ewald. 2,242,244; May 20.
Fuel burning device. A. Lieberherr. 2,242,787; May 20.
Fuel, Method of and apparatus for burning fluid. C. E. Lucke. 2,242,797; May 20.
Fuel, Production of motor. A. N. Sachanen and A. A. O'Kelly. 2,242,960; May 20.
Fuel pump. S. Jencick. 2,242,582; May 20.
Fuel regulator. K. L. Dynes. 2,242,718; May 20.
Fuels, Production of non-knocking motor. M. Pier and G. Free. 2,242,321; May 20.
Furnace: *See*—
Slagging furnace.
Furnace. R. Shellenberger. 2,242,762; May 20.
Furnace for solid fuel. K. E. Löfvenmark. 2,242,709; May 20.
Furs, Process and composition for carroting. J. Dolid. 2,242,668; May 20.
Fuse holder for high tension electric conductors, Expulsion. L. F. Parker and G. W. Whitney. 2,242,921; May 20.
Game device and impeller therefor. E. B. Gottlieb and M. A. Besozzi. 2,242,909; May 20.
Garment trimming and turning apparatus. H. C. Underwood and E. B. Roby. 2,242,665; May 20.
Gas and coke, Manufacture of. G. H. Niles and A. Johnson. 2,243,052; May 20.
Gas purification process. A. R. Powell. 2,242,323; May 20.
Gas washing means and method. G. Fox, A. J. Ebner, and O. R. Rice. 2,242,294; May 20.
Gauge: *See*—
Interpupillary distance Liquid level gauge.
gauge.
Gear shifting mechanism, Hydraulic. C. D. Peterson, R. R. Burkhalter and E. J. Barth. 2,242,542; May 20.
Gearing, Differential. J. E. Casner. 2,242,605; May 20.
Gearing, Overdrive. M. H. Frank. 2,242,519; May 20.
Gears in aircraft, Automatic control of two-speed. E. Schultz and F. Hielitz. 2,242,374; May 20.
Gelatin, Treatment of. D. P. Grettie. 2,242,883; May 20.
Generator: *See*—
Acetylene generator. Ultra short wave oscilla-
Periodic wave generator. tion generator.
Geophysical apparatus. L. Machts. 2,242,312; May 20.
Glove. M. C. Mosier. 2,242,318; May 20.
Golf club, Adjustable. G. Fuller. 2,242,670; May 20.
Governor device for internal combustion engines. M. Mennesson. 2,242,832; May 20.
Granules and the like, Preparation of roofing. J. J. Stanko. 2,242,443; May 20.
Grass cutter. T. C. Newton. 2,242,369; May 20.
Grate, Furnace. W. P. Thoke and E. J. Mann. 2,242,629; May 20.
Grease pump. R. C. Troyer. 2,242,687; May 20.
Grinding machine. V. W. Gideon. 2,242,781; May 20.
Grinding machine, Washer. A. T. Richardson. 2,242,801; May 20.
Grinding wheel. S. S. Kistler and C. E. Barnes. 2,243,049; May 20.
Grinding or polishing wheel, Stone. W. Milne. 2,242,753; May 20.
Guard and holder, Weed. H. B. Franklin. 2,242,858; May 20.
Guard, Knife. C. Kuhn. 2,243,037; May 20.
Guide for machine tools, Slide. K. Zwick. 2,242,498; May 20.
Guide, Necktie. W. C. Dickout. 2,243,003; May 20.
Gyroscope. G. Wünsch. 2,242,806; May 20.
Hair curler. L. Dusseau. 2,242,850; May 20.
Hair-curling device. L. Ingrassia. 2,242,913; May 20.
Hair curling device. M. E. Rose. 2,242,549; May 20.
Hammer, Electric. J. H. Cox. 2,242,347; May 20.
Hand loom. M. O. Gallinger. 2,242,210; May 20.
Handle for portable articles. H. A. Avery. 2,242,283; May 20.
Handle for rural mailboxes or doors, or lids, Lever. G. A. Roe. 2,242,895; May 20.
Heat exchanger. F. Lukacs. 2,242,432; May 20.
Heat treating apparatus, Inductive. H. E. Somes. 2,242,838; May 20.
Heater: *See*—
Automobile heater. Space heater.
Electric heater.
Heater. J. M. Auñero. 2,242,337; May 20.
Heater system. N. Stramaglia. 2,242,802; May 20.
Heating apparatus. A. K. Foulds. 2,242,580; May 20.
Heating plant, District. A. E. Margolis. 2,242,651; May 20.
Heating system. W. L. McGrath. 2,242,588; May 20.
Helmet for sound locators, Listening. F. R. House. 2,242,953; May 20.
Hoist, Cable. H. A. Harrison. 2,242,393; May 20.
Holder: *See*—
Bridge score sheet holder. Fishhook and trotline holder.
Corset holder.
Drapery holder. Shade and curtain holder.
Holder and support, Combined bouquet. R. Kaber. 2,242,975; May 20.
Homogenizer. A. L. Bausman. 2,242,809; May 20.
Hood, Light. A. G. B. Metcalf. 2,242,317; May 20.
Hose and hose handling apparatus, Gasoline. S. C. Hope. 2,242,749; May 20.
Hydantoins, Manufacture of. W. G. Bywater. 2,242,775; May 20.
Hydraulic clutch. A. C. Whittlesey. 2,242,734; May 20.
Hydraulic knuckle. C. P. Young. 2,242,279; May 20.
Hydraulic press. R. W. Dinzl. 2,242,209; May 20.
Hydrocarbons, Catalytic conversion of. W. L. Benedict and J. E. Ahlberg. 2,242,504; May 20.
Hydrocarbons from olefins, Producing aromatic. A. S. Ramage. 2,242,836; May 20.
Hydrocarbons into olefins, Converting paraffinic. C. M. Thacker. 2,242,488; May 20.
Hydrocarbons, Treatment of. C. L. Thomas and H. S. Bloch. 2,242,553; May 20.
Hydrochloride, Preparing hydroxylamine. P. Osswald and W. Geisler. 2,242,477; May 20.
Ice cubing mechanism. J. F. Turner and C. P. Breidenbaugh. 2,242,932; May 20.
Ice skate. W. E. Prosey. 2,242,870; May 20.
Illuminated lock. W. N. Silker. 2,242,626; May 20.
Illuminating device. N. L. Jacobus. 2,242,750; May 20.
Illuminating device. I. M. Kirlin. 2,242,525; May 20.
Imines, Nitrogenous condensation product from 1,2-alkylene. H. Ulrich and K. Kuespert. 2,242,490; May 20.
Implement, Combination. J. A. Bender. 2,242,900; May 20.
Implement for and method of forming and applying jump rings. R. C. Bangs. 2,242,502; May 20.
Impulse-timepiece. W. E. Maxwell. 2,242,654–5; May 20.
Incinerator. F. R. Maxwell. 2,242,653; May 20.
Indicating apparatus. A. Y. Edwards. 2,242,945; May 20.
Indicating device, Fluorescent. H. Heins. 2,243,034; May 20.
Indicator: *See*—
Direction indicator. Temperature indicator.
Liquid level indicator.
Indicator wheel. K. Flader. 2,242,699; May 20.
Induction regulator. G. P. Lessmann and E. E. Lehr. 2,242,360; May 20.
Infant's wear. M. T. Switz. 2,242,898; May 20.
Injector for internal combustion engines. P. L'Orange. 2,243,011; May 20.
Insole for shoes. G. E. Musebeck. 2,242,868; May 20.
Instrument, Measuring. C. B. Moore. 2,242,656; May 20.
Interference suppression system. W. A. Schaper. 2,242,330; May 20.
Interlock. D. J. Detrich. 2,242,238; May 20.
Interlock. W. F. Regenhardt. 2,242,263; May 20.
Internal combustion engine. T. E. Brown. 2,242,990; May 20.
Internal combustion engine. H. D. J. Cantoni. 2,242,231; May 20.
Internal combustion engine. A. Naccache. 2,242,538; May 20.
Interpupillary distance gauge. F. W. Jobe. 2,242,723; May 20.
Jack. M. B. Lucker. 2,242,431; May 20.
Jacket. R. J. Hines and D. A. Collings. 2,242,523; May 20.
Joint for road construction. L. B. Johnson. 2,242,610; May 20.
Joint: *See*—
Clamping coupling joint. Swivel joint.
Exhaust line joint. Universal joint.
Juice extracting machine, Citrus fruit. G. E. Wilson. 2,243,025; May 20.
Key case. L. A. Johnson. 2,243,008; May 20.
Knife. H. L. Fischer. 2,243,030; May 20.
Knife, Scoring. H. De Smith. 2,242,514; May 20.
Knitting device. S. Dunn. 2,242,880; May 20.
Knob and the like installations and fastener members for the same. H. J. Murphy. 2,242,591; May 20.
Knob assembly. O. Kozlovskis. 2,242,866; May 20.
Labeling machine. C. Holm. 2,242,974; May 20.
Lamp switch. F. C. Beekley. 2,242,383; May 20.
Latch. K. Beyrodt. 2,242,385; May 20.
Latching device. J. B. O'Connor. 2,242,958; May 20.
Lead chromates, Electrolytic production of. E. F. Weaver. 2,242,634; May 20.
Leader forming machine. C. Brignall. 2,242,341; May 20.
Lid, Refrigerator Cabinet. H. M. Dodge. 2,242,421; May 20.
Lift, Automobile. V. S. Makaroff. 2,242,433; May 20.
Lifter: *See*—
Valve lifter.
Lighter, Pocket. W. E. Evans. 2,242,906; May 20.
Limb, Artificial. C. F. Clack. 2,242,848; May 20.
Liquid dispenser. N. B. Benson. 2,242,693; May 20.
Liquid level gauge. A. S. Weldy. 2,242,603; May 20.
Liquid level indicator. A. F. Meyer. 2,242,589; May 20.
Lithotrite, Cystoscopic. R. Wolf. 2,243,057; May 20.
Loader, Manure. J. A. and E. J. Schuttloffel. 2,242,982; May 20.
Loading device. A. Huelle. 2,242,860; May 20.
Location indicator for maps. D. Wildess. 2,242,735; May 20.
Lock: *See*—
Door lock. Illuminated lock.
Lock mechanism. C. J. Schell. 2,242,550; May 20.
Loom: *See*—
Hand loom.
Lubricant, Extreme pressure. C. M. Loane and B. H. Shoemaker. 2,242,400; May 20.
Lubricating apparatus. E. W. Davis. 2,242,288; May 20.

Lubricating composition. C. F. Prutton. 2,242,260; May 20.
Lubricating device. E. J. Ray. 2,242,262; May 20.
Luminaire. T. W. Rolph. 2,242,872; May 20.
Luminescent screen. J. H. de Boer. 2,242,644; May 20.
Lure, Fish. F. F. Noxon. 2,242,592; May 20.
Lure, Fishing. V. W. Leusch. 2,242,726; May 20.
Machine for facing ends of forgings. C. S. Swanson. 2,242,487; May 20.
Machine for finishing the edges of shoe parts. F. E. Hooper. 2,242,428; May 20.
Machine for generating paraboloids of revolution. J. F. Stone and P. Okey. 2,242,664; May 20.
Machine for manufacturing macaroni automatically. C. Montanari. 2,242,364; May 20.
Machine for operating on sole members. L. G. Knowles. 2,242,473; May 20.
Machine for producing pipe bends. E. H. Taylor and J. F. Staroba. 2,242,332; May 20.
Machine for reinforcing insoles. S. M. Griswold and R. K. Nash. 2,242,248; May 20.
Mailbox support. D. R. Calvert. 2,243,001; May 20.
Manganese alloy. C. T. Anderson. 2,242,205; May 20.
Magnesium, Making. J. D. Hanawalt and L. K. Frevel. 2,242,721; May 20.
Magnetic plug. C. V. Lisle. 2,242,830; May 20.
Manifold arrangement. C. H. Anderson. 2,242,500; May 20.
Manifold, Vaporizer. R. W. Warrick. 2,242,841; May 20.
Marine vessel. H. N. Whittelsey. 2,242,635; May 20.
Marker for disk record dictating machines, Correction. L. Thompson. 2,242,803; May 20.
Marker, Traffic. F. J. Richardson. 2,242,619; May 20.
Material holdback foot attachment for sewing machines, Automatic. M. Unger. 2,242,688; May 20.
Material holdback means for sewing machines, Automatic. M. Unger. 2,242,689; May 20.
Measuring and feeding machine, Tobacco. J. R. Wysong. 2,243,058; May 20.
Measuring system, Energy. G. L. Usselman. 2,242,874; May 20.
Meat, Treating. J. W. Carpenter. 2,242,451; May 20.
Mechanism for feeding explosive pellets to detonator caps. H. W. Morgan. 2,242,657; May 20.
Memo tray and the like, Loose-leaf. A. Fraser. 2,242,296; May 20.
Merchandise handler. E. D. Turnham. 2,242,408; May 20.
Metal article and casting same, Cast. A. F. B. Thompson. 2,242,554; May 20.
Metal values from fuels, Recovering. H. J. J. Janssen. 2,242,675; May 20.
Metals, Melting and refining ferrous. T. F. Baily. 2,242,219; May 20.
Metal shapes, Continuous casting of. B. E. Eldred. 2,242,350; May 20.
Metallic wool pad. M. Rosenthal. 2,242,326; May 20.
Metals of the chromium group, Method of increasing the hardness of fabricated ductile. W. E. Mansfield. 2,242,254; May 20.
Meter: *See*—
Fluid meter.
Meter and making, Radiant energy. H. C. Rentschler and D. E. Henry. 2,242,483; May 20.
Methanol, Purification of synthetic. J. Giesen, H. Hanisch, and P. H. Gericke. 2,242,463; May 20.
Method and apparatus for applying metallic sheaths to cables. L. E. Fogg. 2,243,031; May 20.
Microphone. A. L. W. Williams and J. P. Arndt, Jr. 2,242,964; May 20.
Mill: *See*—
Rolling mill.
Mill and bearing therefor, Rolling. A. Kingsbury and H. A. S. Howarth. 2,243,009; May 20.
Mine car. F. H. Freshwater. 2,242,719; May 20.
Mining apparatus, Hydraulic. O. Grundborg. 2,242,520; May 20.
Mold: *See*—
Building mold.
Mold. R. Zeunert. 2,242,985; May 20.
Mold and ingot, Ingot. E. Gathmann. 2,242,703; May 20.
Molding machine, Pipe. C. A. Wallace. 2,242,690; May 20.
Monofil, Manufacture and production of curled. H. M. Averns. 2,242,988; May 20.
Mop. M. R. Phipps. 2,242,869; May 20.
Motor: *See*—
Electric motor. Tube cleaner motor.
Reversible capacitor motor.
Motor for refrigerating apparatus, Capacitator-type. L. C. Packer. 2,242,370; May 20.
Motor vehicle. J. G. Vincent. 2,242,276; May 20.
Motorized hand tool. L. J. Misuraca. 2,242,475; May 20.
Mounting for capacitor motors, Conductor. A. M. Georgiev. 2,242,780; May 20.
Mowing machine. F. P. Martin. 2,242,917; May 20.
Nail. W. G. Lodge. 2,242,862; May 20.
Network, Frequency discriminator. N. M. Rust. 2,242,661; May 20.
Nibbling machine. C. B. Gray. 2,242,782; May 20.
Nickel alloy. T. E. Kihlgren. 2,242,865; May 20.
Nitriles, Purifying. W. A. Laxier and G. W. Rigby. 2,242,309; May 20.
Nozzle. C. A. Schact. 2,242,680; May 20.
Nozzle, Suction. T. E. D. Bilde. 2,242,566; May 20.
Oil burning apparatus. J. L. O'Brien. 2,242,616; May 20.
Oil composition. V. H. Tukington. 2,242,489; May 20.
Oil filter. E. W. Austin. 2,242,807; May 20.
Oilstove. J. T. Johansson. 2,242,470; May 20.
Oils, Conversion of hydrocarbon. P. Mather. 2,242,255; May 20.
Oils, Stabilization of copper treated. W. A. Schulze and G. H. Short. 2,242,621–5; May 20.
Operating mechanism for windscreen wipers. N. J. Pritchard and C. W. Walters. 2,243,016; May 20.
Ores and the subsequent recovery of copper, Lixiviation of copper. A. Amenabar. 2,242,217; May 20.
Ores, Treatment of silica. G. C. Westby. 2,243,044; May 20.
Organometallic compound and its manufacture. C. Duval. 2,242,516; May 20.
Outlet box. D. Dember. 2,242,290; May 20.
Overall ticket. M. C. Wilder and C. B. Ramsay. 2,242,736; May 20.
Oxides, Aryl arsine. W. Herrmann and F. Hampe. 2,242,581; May 20.
Oxides difficultly soluble in water, Production of alkylene. G. Stein. 2,242,485; May 20.
Oxides, Reduction of difficultly reducible. H. Schlecht and M. Jahrstorfer. 2,242,759; May 20.
P-isopropyl-alpha-methyl-hydrocinnamic aldehyde, Preparing. L. Poizat. 2,242,322; May 20.
Package. L. L. Tirrell. 2,242,686; May 20.
Pad: *See*—
Absorbent pad. Metallic wool pad.
Panel carrier. R. N. Geffroy. 2,243,032; May 20.
Panel feed mechanism. G. J. Snyder and R. N. Geffroy. 2,243,056; May 20.
Panel, Hollow core. J. F. Thomas. 2,243,022; May 20.
Paper holding board. T. H. Alfreds. 2,242,737; May 20.
Paper stock, Method and apparatus for controlling the consistency of. E. Cowles. 2,242,419; May 20.
Pentamethyleneoxide compounds and preparing them. O. Eisleb. 2,242,575; May 20.
Perfume dispenser. L. L. Winters. 2,242,876; May 20.
Periodic wave generator. H. A. Wheeler. 2,242,934; May 20.
Phenols, Alkyl. R. R. Read. 2,242,325; May 20.
Phonograph, Photoelectric. M. L. Thompson. 2,242,983; May 20.
Phonographic translating device. R. M. Somers. 2,242,927; May 20.
Photo-cell control for die sinking machines. T. F. Brackett. 2,242,506; May 20.
Piano, Player. T. F. Cheek. 2,242,417–8; May 20.
Picture projector, Motion. O. W. Githens, G. Kende and E. M. Porter. 2,242,464; May 20.
Piezoelectric device. T. J. Pope. 2,242,756; May 20.
Piezoelectric device. F. F. Romanow. 2,242,757; May 20.
Pigment, Chalk resistant titanium oxide. G. F. New. 2,242,320; May 20.
Pigment, Colored. C. J. Harbert. 2,243,033; May 20.
Pipe: *See*—
Smoking pipe.
Piston. G. R. Cole. 2,242,345; May 20.
Plant treatment. M. O. Johnson. 2,242,429; May 20.
Pleat clip. D. I. Reiter. 2,242,677; May 20.
Plow, Tractor-driven. O. Panengen. 2,242,479; May 20.
Plow. C. A. Gregory, A. J. Morell and Q. J. Meeuwsen. 2,242,426; May 20.
Plug: *See*—
Boiler drop plug. Magnetic plug.
Casting plug.
Pocket and leader pocket, Removable slide fastener. G. P. Heiner. 2,242,522; May 20.
Polish rod clamp. J. W. Edwards. 2,242,573; May 20.
Polyazodyestuffs. D. Delfs and E. Stein. 2,242,456; May 20.
Polymerization plants, Operating. H. J. Baker, Jr., and W. Mendius. 2,242,771; May 20.
Polyenes, Producing conjugation in unconjugated. G. O. Burr. 2,242,230; May 20.
Portable cooler. J. M. Petersen. 2,242,594; May 20.
Power production apparatus, Variable water-pressure. M. S. Quinte. 2,242,598; May 20.
Power transmission, Rerversible. L. G. Hilkemeier. 2,243,035; May 20.
Power transmitting device. C. W. Swan. 2,242,272; May 20.
Press: *See*—
Hydraulic press.
Press buck. J. M. Dewey. 2,242,513; May 20.
Press operating mechanism. E. N Neckel. 2,242,539; May 20
Pressing machine, Multicylinder. J. F. Raynolds. 2,242,480–1; May 20.
Pressure device, Safety. G. Raymond. 2,242,547; May 20.
Printing on cloth. R. F. Foard. 2,242,295; May 20.
Professional cabinet. G. E. Froelich. 2,242,720; May 20.
Protector. R. B Thurnherr. 2,242,555; May 20.

Pruning implement. G. W. Newman. 2,242,476; May 20.
Pump: *See*—
Fuel pump. Grease pump.
Fuel operated pump.
Pumping apparatus. O. Staerker. 2,242,551; May 20.
Pumping unit and power machine. B. S. Lightfoot. 2,242,252; May 20.
Quaternary compounds of the pyridine series and production of the same. E. Haack. 2,242,211; May 20.
Rack: *See*—
Storage rack.
Radio control system for guiding aircraft. W. M. Hahnemann. 2,242,910; May 20.
Radio direction finder. T. M. Libby. 2,242,530; May 20.
Radio interference eliminator. S. F. Thunberg. 2,242,333; May 20.
Radio receiving system. R. S. Ohl. 2,242,791; May 20.
Railing and fence construction, Tubular. J. E. Heanue. 2,242,427; May 20.
Rails, Method and apparatus for heat-treating. H. S. George. 2,242,882; May 20.
Range finder. O. K. Cazin. 2,242,452; May 20.
Ratio changing means for fluid-actuated brakes. W. R. Freeman. 2,242,297; May 20.
Rayon, Method and apparatus for manufacture of. A. S. Brown. 2,243,000; May 20.
Reaming tool. R. B. Fanslow. 2,242,821; May 20.
Receptacle: *See*—
Sanitary receptacle.
Rectifier filter. J. L. Finch and G. L. Usselman. 2,242,881; May 20.
Reel: *See*—
Fishing reel.
Reflector adjusting mechanism for projection lamps. K. Brenkert. 2,242,388; May 20.
Reflector, Light. M. E. Moreau. 2,242,590; May 20.
Refrigerating system. D. D. Wile. 2,242,334; May 20.
Refrigeration. N. A. Algren and B. Reistad. 2,242,281; May 20.
Refrigeration. H. K. Bergholm. 2,242,282; May 20.
Refrigeration. C. C. Coons. 2,242,814; May 20.
Refrigeration. B. C. Shipman. 2,242,926; May 20.
Refrigeration apparatus. R. E. Tobey. 2,242,407; May 20.
Refrigerator and tray construction. H. H. Crimmel. 2,242,903; May 20.
Refrigerator car construction. K. E. Zeidler. 2,243,026; May 20.
Refrigerator car, Top bunker. C. D. Bonsall. 2,242,938; May 20.
Regulator: *See*—
Fuel regulator. Thermostatic regulator.
Induction regulator.
Relaying equipment, Protective. E. L. Harder. 2,242,950–1; May 20.
Reliefs, Manufacturing. A. Stillman. 2,242,631; May 20.
Removable snelless fly box. G. P. Heiner. 2,242,521; May 20.
Replaceable bearing. H. G. Andrews. 2,242,996; May 20.
Resilient wheel. C. D. Koski. 2,242,915; May 20.
Resistance element and manufacturing same, Electric. C. Cito. 2,242,344; May 20.
Resistance, Variable. H. W. Rubinstein. 2,242,327; May 20.
Retaining device. G. O. Conner. 2,242,643; May 20.
Reversible capacitor motor. L. W. Buchanan. 2,242,343; May 20.
Ribbon, Ink transfer. S. A. Neidich. 2,242,403; May 20.
Ring: *See*—
Finger ring.
Ring-lighter. B. C. Harriss. 2,242,394; May 20.
Rolling mill. L. Iversen. 2,243,010; May 20.
Ropes to fittings, Fastening. W. A. Meighan. 2,242,533; May 20.
Rotary filter. E. W. W. Keene. 2,242,861; May 20.
Rotatable vehicle seat. H. H. Grant. 2,242,247; May 20.
Rotor of induction machines, Squirrel cage. T. Takenouchi. 2,243,021; May 20.
Rounding machine. W. A. Barton. 2,242,410; May 20.
Rubber accelerator and activitator. A. R. Davis. 2,242,208; May 20.
Rubber ball catcher, Vacuum cup. H. Singer. 2,243,019; May 20.
Rubbing machine. C. H. Randolph. 2,242,545; May 20.
Ruling apparatus. F. E. Boughton. 2,242,286; May 20.
Rythm operated device. G. G. Smith. 2,242,442; May 20.
Safety inner tube. A. Marks. 2,242,788; May 20.
Sanding drum. W. H. Van Zomeren. 2,242,377; May 20.
Sanitary receptacle. H. G. Evitt. 2,242,698; May 20.
Sash balance, Spring. A. F. Mantz. 2,242,650; May 20.
Saving device for internal combustion motors, Fuel. E. N. Bosdet. 2,242,989; May 20.
Saw, Power. L. F. Atwood. 2,242,336; May 20.
Scale, Weighing. M. H. Hansen. 2,242,949; May 20.
Scraper. F. Elliott. 2,242,459; May 20.
Scraper. A. T. Fletcher. 2,242,700–1. May 20.
Scraper. W. C. Godwin. 2,242,704; May 20.
Screen: *See*—
Luminescent screen.
Screens, Manufacture of translucent. B. M. Bodde. 2,242,567; May 20.
Screw driver and the like, Multiple head. C. R. Thompson. 2,242,873; May 20.
Screw, Lag. M. Ruggieri. 2,242,758; May 20.
Screw tapping machine. J. A. Eden and H. Phillips. 2,242,293; May 20.
Scrubbing apparatus, Floor. W. S. Finnell. 2,242,577; May 20.
Seal, Rotary impression. J. B. White. 2,243,024; May 20.
Sealing envelope machine, Heat. E. B. Moore. 2,242,799; May 20.
Seal for discharge lamps. J. D. Brumley. 2,242,774; May 20.
Sear Mechanism for firearms. D. M. Williams. 2,242,496; May 20.
Seat: *See*—
Rotatable vehicle seat.
Seat construction. A. H. Haberstump. 2,242,884; May 20.
Selector, Radio station. S. Cohen and E. H. Allen. 2,242,287; May 20.
Separating apparatus, Material. D. A. Weber. 2,242,562; May 20.
Sewage, Method and apparatus for treating. F. R. Maxwell. 2,242,652; May 20.
Sewing machine. M. L. Waterman. 2,242,962; May 20.
Sewing machine control. M. Talgman. 2,242,928; May 20.
Sewing machine, Lock-stitch. J. D. Karle. 2,242,955; May 20.
Shade or curtain holder, Window. E. E. Scott. 2,242,683; May 20.
Sharpener, Pencil. G. Dessonnaz. 2,242,458; May 20.
Shaving apparatus. F. Meyer. 2,242,752; May 20.
Shaving device. W. S. Sussman. 2,242,405; May 20.
Shawl and hood, Combined. J. Berger. 2,242,641; May 20.
Sheet materials, Method and apparatus for perforating. R. B. Frost. 2,242,645; May 20.
Sheet positioning means for bookkeeping machines and the like, Record. K. Aurbach. 2,242,381; May 20.
Shield, Draft. M. T. Duncan. 2,242,606; May 20.
Shock absorber. P. Wills. 2,242,564; May 20.
Shoe bottom construction. C. H. Daniels and R. I. Wood. 2,242,941; May 20.
Shoe tongue. G. H. Gillis. 2,242,353; May 20.
Shoe, Track. V. O. Beede. 2,242,222; May 20.
Shoes, Manufacture of. A. W. Donovan. 2,242,818; May 20.
Shovel and hoist. H. H. Cook. 2,242,511; May 20.
Shroud fastening for turbine blades. R. P. Kroon. 2,242,308; May 20.
Sifter. H. G. Kuck. 2,242,583; May 20.
Sign. R. M. Bruner. 2,242,342; May 20.
Sign. R. F. Paullet. 2,242,259; May 20.
Signal-generating apparatus, Video-frequency. R. C. Hergenrother. 2,242,952; May 20.
Silica from minerals, slags, and similar materials, Removing. E. Zintl, W. Krings, and W. Bräuning. 2,242,497; May 20.
Silicates in pumice form, Manufacture of anhydrous. C. L. Baker. 2,243,027; May 20.
Siphon. M. H. Loughridge. 2,242,401; May 20.
Sirups, Stabilization of resin. P. C. Schroy and R. P. Hofferbert. 2,242,484; May 20.
Skimmer for centrifugal separators. J. E. Tholl. 2,242,713; May 20.
Slagging furnace. J. Van Brunt and A. C. Weigel. 2,242,491; May 20.
Sleeve protector for earth boring drills. H. J. Butcher and R. W. Lunn. 2,242,847; May 20.
Slicing machine. A. H. Ahrndt. 2,242,935; May 20.
Slicing machine. H. J. Criner. 2,242,512; May 20.
Smoking pipe. O. Turinsky. 2,242,805; May 20.
Snow plow. R. W. Keeler. 2,242,472; May 20.
Snow plow. R. W. Keeler. 2,242,826; May 20.
Soap, Preparation of a. W. W. De Laney. 2,242,289; May 20.
Soap, Producing resin. A. Langmeier. 2,242,529; May 20.
Sodium sulphate, Manufacture of. W. Burg. 2,242,507; May 20.
Solids, System for comminuting. McK. Stockton. 2,242,796; May 20.
Solution for desensitizing metal plates used in the lithographic art. W. N. Misuraca. 2,242,754; May 20.
Sound amplifying system. A. LeR. Upton. 2,242,556; May 20.
Sound, Arrangement for recording and reproducing. G. E. M. Corin. 2,242,968; May 20.
Sound, Method and means for reproduction of. G. P. Regan and F. H. Fodor. 2,242,548; May 20.
Space heater. S. N. Bobo. 2,242,742; May 20.
Space heater. P. L. Dulaney. 2,242,669; May 20.
Spinning process. R. S. Bley. 2,242,225; May 20.
Spring assembly for upholstery. F. A. Nachman and F. R. Zimmerman. 2,242,919; May 20.
Spring for cribs, Adjustable. S. and N. J. Kroll. 2,242,307; May 20.
Spring structure. E. S. Tallmadge. 2,242,731; May 20.
Springing for railway trucks. F. W. Hankins. 2,242,212; May 20.
Stamping machine. H. M. Bolston. 2,242,505; May 20.
Staple strip. A. E. Carlile. 2,242,967; May 20.
Starter, Ignition. R. F. Rennie. 2,242,482; May 20.
Starter switch. C. Chirelstein. 2,242,902; May 20.
Stay and stacking guide, Corner. P. N. Curtis. 2,242,904; May 20.

Steel sheets or strips, Producing silicon. V. W. Carpenter. 2,242,234; May 20.
Steels, Adjusting means for cutting. J. H. M. Michon. 2,242,363; May 20.
Steering stabilizing device. H. V. Olson. 2,242,593; May 20.
Stereotype casting box. G. M. Clark. 2,242,943; May 20.
Stiffener, Thermoplastic. R. S. Ritchie. 2,242,729; May 20.
Stitch-forming mechanism. J. Kozlbroda. 2,242,528; May 20.
Stock feeder. H. C. Bostwick. 2,242,810; May 20.
Stoker. W. O. Martin. 2,242,587; May 20.
Stop mechanism for dispensing cabinets. F. G. Steiner and R. G. Birr. 2,242,552; May 20.
Stop motion for knitting machines, Electric. B. Wachsman. 2,242,875; May 20.
Storage batteries, Construction for electric. G. R. Godber. 2,242,671; May 20.
Storage mechanism, as for toys, Energy. J. Smithwick. 2,242,725; May 20.
Storage rack. O. A. Light. 2,242,891–2; May 20.
Strainer cleaner device. T. H. Birch. 2,242,901; May 20.
Strand feeding mechanism. E. G. Parvin, C. B. Fantone, and C. O. Bruestle. 2,242,435; May 20.
Stretcher. D. D. Lucey. 2,242,311; May 20.
Stretcher, Curtain. W. W. and F. Block. 2,242,386; May 20.
Suction cleaner. E. H. Yonkers, Jr. 2,242,277–8; May 20.
Sulphur preparation for use in protecting plants against attacks of living organisms, Making a. F. L. Begtrup. 2,242,384; May 20.
Support: *See*—
Electric meter socket support. Mail box support.
Support. C. D. Sims. 2,242,270; May 20.
Support for the hair, Corsage. R. Kaber. 2,242,976; May 20.
Support for rotaries, Adjustable. D. L. Henry. 2,242,722; May 20.
Supporting and propelling machine, Tool. J. H. Bucknam, L. W. Young, and F. C. Geibig. 2,242,448; May 20.
Swab. M. R. Phipps. 2,242,543; May 20.
Swats, Making mop. G. A. Altenbern and W. S. Stone. 2,242,444; May 20.
Sweatband, Waterproof. J. Augitto. 2,242,338; May 20.
Swedging tool. A. H. Adams, D. Murphy, and S. E. Williams. 2,242,280; May 20.
Switch: *See*—
Electric switch. Starter switch.
Lamp switch. Time switch.
Switch. C. J. Werner. 2,242,769; May 20.
Switch stack assembly. E. J. Glennon. 2,242,971; May 20.
Swivel joint. P. H. Irmischer. 2,242,303; May 20.
Synchronizing system, particularly for television purposes. P. M. G. Toulon. 2,242,633; May 20.
System for the transmission of oscillations. J. Collard and J. E. Best. 2,242,879; May 20.
Table. E. Senft. 2,243,018; May 20.
Table attachment. B. Nibur. 2,242,833; May 20.
Tack button. F. G. Purinton, W. A. Zwiebel, and H. N. Verzier. 2,243,017; May 20.
Tail stock for milling machines. E. Moen. 2,242,978; May 20.
Tank: *See*—
Concrete tank. Truck tank.
Tanning substances and their manufacture. J. Schäfer and R. Biedermann. 2,242,681; May 20.
Target throwing apparatus. L. F. Parker and A. Hanger. 2,242,596; May 20.
Telephone selector, Automatic. B. J. Brander. 2,242,340; May 20.
Telephone system. B. C. Bellows and L. L. Eagon. 2,242,640; May 20.
Telephone system. O. B. Blackwell. 2,242,285; May 20.
Telephone system. J. W. Clark and L. G. Schimpf. 2,242,776; May 20.
Telephone system. J. A. Kater. 2,242,397; May 20.
Television tube. R. K. McClintock. 2,243,041; May 20.
Temperature indicator. T. T. Arden and G. M. Cassidy. 2,242,501; May 20.
Templet. A. P. Stewart. 2,242,406; May 20.
Tensiometer control. G. P. Lessmann. 2,242,358; May 20.
Termite shield connector. W. H. Scales. 2,242,266; May 20.
Testing apparatus, Tube. E. J. Protin. 2,242,658; May 20.
Testing device. W. T. Rea. 2,242,324; May 20.
Textiles, Sizing. L. Auer. 2,242,218; May 20.
Therapeutic apparatus. L. W. Morey and E. A. Buck. 2,243,013; May 20.
Thermal treatment of aluminum base alloys. E. H. Dix, Jr., and J. A. Nock, Jr. 2,242,944; May 20.
Thermostatic regulator. F. C. Leonard. 2,242,649; May 20.
Thread, Indicating defects in. E. A. Keeler. 2,242,889–90; May 20.
Thread swaging apparatus. J. W. Shera. 2,242,662; May 20.
Time switch, Automatic electric. B. F. Flegel. 2,242,517; May 20.
Timer, Welding. H. Diamond. 2,242,942; May 20.
Tints on cellulose fibers, Producing fast. F. Straub and W. Hanhart. 2,243,020; May 20.
Tire scraping device. J. R. Graves. 2,242,608; May 20.
Tires, Balancing. H. T. Kraft. 2,242,430; May 20.
Tires, Treatment of rubber. G. L. Roberts. 2,242,264; May 20.
Tool: *See*—
Ceiling wallboard tool. Motorized hand tool.
Digging tool. Reaming tool.
Fishing tool. Swedging tool.
Flaring tool. Work illuminating tool.
Tool chuck. O. E. Kochler and R. L. Ashley. 2,242,305; May 20.
Toothbrush. D. W. Brown. 2,242,743; May 20.
Torque limiting device. A. M. Wahl. 2,242,379; May 20.
Torque wrench. S. Mandl. 2,242,613; May 20.
Tower, Portable watering. L. L. Warden, Sr. 2,242,840; May 20.
Toy, Flying. A. N. Ayers. 2,242,770; May 20.
Toy for a new game. V. L. Carballal. 2,242,450; May 20.
Toy, Mechanical. W. T. Kniesner. 2,242,724; May 20.
Track circuit apparatus, Railway. A. G. Williamson. 2,242,984; May 20.
Track leveler for tractors. A. E. Sutherland. 2,242,486; May 20.
Traffic controlling apparatus, Railway. E. M. Allen. 2,242,987; May 20.
Trailer. L. G. Daniels. 2,242,391; May 20.
Train pipe connector, Automatic. J. Robinson. 2,242,265; May 20.
Transfer device for bookkeeping systems. R. Randzio. 2,242,618; May 20.
Transformer construction, Iron-core. R. Lee. 2,242,359; May 20.
Translating system and method, Electrical. R. H. Varian. 2,242,275; May 20.
Transmission. A. Y. Dodge. 2,242,515; May 20.
Transmission and control mechanism, Machine tool. J. B. Armitage. 2,242,445; May 20.
Transmission clutch, Hydraulic. C. G. Balcom. 2,242,997; May 20.
Trap: *See*—
Animal trap.
Tray, Freezing. C. H. Steenstrup. 2,242,764; May 20.
Tree lighting system. A. A. Quandee. 2,242,597; May 20.
Tree mover. M. G. Coplen. 2,242,695; May 20.
Trimmer, Hedge. H. J. Hunt. 2,242,524; May 20.
Trimmer, Strip. F. M. Darner. 2,242,815; May 20.
Trimming machine. V. H. Meyer. 2,242,534; May 20.
Tripack for producing photographic pictures. W. Frankenburger, M. Herbst, and H. Schulz. 2,242,747; May 20.
Trough cover and socket ring therefor, Electric meter. A. A. Young. 2,242,637; May 20.
Truck, Car. C. L. Orr. 2,242,371; May 20.
Truck, Industrial. G. Quayle. 2,242,436; May 20.
Truck, Railway. R. Eksergian. 2,242,422; May 20.
Truck structure, Tandem wheel. H. F. Flowers. 2,242,851–2; May 20.
Truck tank. H. L. Mika. 2,242,535; May 20.
Tube: *See*—
Safety inner tube. Television tube.
Tube cleaner motor. P. E. Good. 2,242,005; May 20.
Tube entering and depressing device. F. M. Darner and G. W. Sower. 2,242,816; May 20.
Tumbler washer. E. E. Lewis. 2,242,361; May 20.
Tuner for radio receiving sets. A. S. Wells and J. H. Clark. 2,242,768; May 20.
Turbine gland. H. J. Hanzlik. 2,242,673; May 20.
Turbine plant, Gas. W. Traupel. 2,242,767; May 20.
2-amino thiazoles, Synthesis of. W. G. Christiansen. 2,242,237; May 20.
Tying machine, Meat. W. Flett. 2,242,246; May 20.
Typewriter attachment. J. Q. Sherman. 2,242,268; May 20.
Ultra short wave oscillation generator. H. E. Hollmann. 2,242,888; May 20.
Undergarment. A. R. Kneibler. 2,242,526; May 20.
Universal joint. E. W. Johnson. 2,242,215; May 20.
Urn. J. W. Cunningham. 2,242,969; May 20.
Vacuum cleaner. F. Riebel, Jr. 2,242,678; May 20.
Valve: *See*—
Float valve. Flush tank valve.
Valve actuating mechanism, Locomotive. J. Kirchhof. 2,243,055; May 20.
Valve arrangement for two-stroke cycle internal combustion engines. L. Raab and W. Strobel. 2,242,871; May 20.
Valve for venting air from radiators. F. I. Raymond. 2,242,546; May 20.
Valve lifter. J. Naab. 2,242,367; May 20.
Valve stem. J. C. Crowley. 2,242,569; May 20.
Vapor recovery system. P. J. Harrington and G. D. Priestman. 2,242,299; May 20.

Vegetable dicer. F. L. Ehlke. 2,242,607; May 20.
Vehicle: *See*—
Automotive vehicle. Motor vehicle.
Vehicle wheel. C. Ferro. 2,242,425; May 20.
Ventilating and cooling system for motor vehicles. A. M. Wolf. 2,242,494; May 20.
Ventilating device. B. S. Loy. 2,242,310; May 20.
Ventilation of rooms and the like. W. Vollbach and J. Hennig. 2,242,378; May 20.
Vessel propulsion, Shoal draft. J. L. Bogert. 2,242,642; May 20.
Viscose, Spinning. R. S. Bley. 2,242,226; May 20.
Vulcanizer, Tire. L. E. Soderquist. 2,242,795; May 20.
Vulcanizing unit. A. E. Bronson. 2,242,568; May 20.
Walking block. R. M. Fulwiler. 2,242,748; May 20.
Wall or ceiling treatment. M. R. Price. 2,242,834; May 20.
Wardrobe and crib, Combined. S. and N. J. Kroll. 2,242,357; May 20.
Washer: *See*—
Bottle washer. Tumbler washer.
Car washer.
Water gas in horizontal coke ovens, Contrivance of producing. H. Koppers. 2,242,306; May 20.
Water heater system, Electric. R. E. Marbury. 2,242,362; May 20.
Wedge. H. J. Glover. 2,242,859; May 20.
Welding apparatus, Electric. R. M. White. 2,242,691; May 20.
Welding machine. W. H. Martin. 2,242,867; May 20.
Wetting agent and making it, Surface. R. S. Bley. 2,242,223–4; May 20.
Wheel: *See*—
Grinding wheel. Indicator wheel.
Grinding wheel. Resilient wheel.
Vehicle wheel.
Wheel. E. Zipper. 2,242,986; May 20.
Wheel mounting for industrial trucks, Axle and. C. E. Cochran. 2,242,454; May 20.
Wheel pulling device. J. S. Houston. 2,243,006; May 20.
Windshield cleaner. G. T. Devor. 2,242,992; May 20.
Windshield for automobiles and other vehicles, Clear vision. G. McMullen. 2,243,012; May 20.
Winding machine with independent winding points, Cop. W. Reiners and G. Kahlisch. 2,242,660; May 20.
Window assembly, Automobile body. R. H. Dean. 2,242,746; May 20.
Window construction. V. B. Domecki. 2,242,993; May 20.
Window construction. J. Paul. 2,242,541; May 20.
Window guide. A. Rydquist. 2,242,438; May 20.
Wire, Manufacture of covered. W. Stoker. 2,242,376; May 20.
Work illuminating tool. G. E. Montgomery. 2,242,536; May 20.
Working pieces impermeable to gas and vacuum proof, Manufacture of. H. Bernstorff. 2,243,059; May 20.
Wrench: *See*—
Torque wrench.
Yarn severing mechanism for wrap stripe machines. A. Gagne. 2,242,462; May 20.
Zeroizing means for indicating mechanisms. F. Horton. 2,242,356; May 20.

CLASSIFICATION OF PATENTS

ISSUED MAY 20, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 20: 2,242,423
2,242,437
2— 68: 2,242,420
70: 2,242,365
111: 2,242,641
2,242,998
138: 2,243,003
159: 2,242,318
174: 2,242,555
181: 2,242,338
224: 2,242,526
3— 2: 2,242,848
4— 185: 2,242,461
2,242,939
5— 11: 2,242,307
82: 2,242,311
100: 2,242,357
247: 2,242,731
267: 2,242,919
296: 2,242,537
8— 42: 2,243,020
112: 2,242,668
10— 120: 2,242,954
136: 2,242,293
12— 4: 2,242,251
17: 2,242,473
20: 2,242,248
25: 2,242,410
27: 2,242,415
51: 2,242,428
83.5: 2,242,534
107: 2,242,245
142: 2,242,817
146: 2,242,818
14— 38: 2,242,615
15— 8: 2,242,678
20: 2,242,901
53: 2,242,692
76: 2,242,361
77: 2,242,292
147: 2,242,543
2,242,869
167: 2,242,743
180: 2,242,577
246: 2,242,566
16— 96: 2,242,329
198: 2,242,650
17— 1: 2,242,402
18— 2: 2,242,732
8: 2,242,999
2,243,000
17: 2,242,795
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47.5: 2,242,567
48: 2,242,372
53: 2,242,264
54: 2,242,225
2,242,226
2,242,988
59: 2,242,794
19— 42: 2,242,302
67: 2,242,908
20— 35: 2,242,335
2,242,499
2,243,022
55: 2,242,541
92: 2,242,614
22— 2: 2,242,943
112: 2,242,523
139: 2,242,703
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200: 2,242,554
200.1: 2,242,350
213: 2,242,239
2,242,240
23— 2: 2,242,323
21: 2,242,497
2,242,675
24: 2,242,492
23— 24: 2,242,493
52: 2,242,258
66: 2,242,228
100: 2,242,507
110: 2,243,027
2,243,044
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24— 5: 2,242,975
2,242,976
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217: 2,242,352
243: 2,242,677
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25— 37: 2,242,690
131.5: 2,242,730
2,242,973
156: 2,242,434
2,242,443
29— 85: 2,243,006
149.5: 2,242,439
2,242,441
156.8: 2,242,586
30— 43: 2,242,405
2,242,752
154: 2,242,900
162: 2,242,459
2,242,936
2,243,030
169: 2,242,992
171: 2,242,700
2,242,701
245: 2,242,476
276: 2,242,524
284: 2,243,037
303: 2,242,607
33— 76: 2,242,286
2,242,735
79: 2,242,827
2,242,828
174: 2,242,980
204: 2,242,253
222: 2,242,233
34— 48: 2,242,778
68: 2,242,918
36— 30: 2,242,941
54: 2,242,353
71: 2,242,868
77: 2,242,729
37— 42: 2,242,472
2,242,826
67: 2,242,520
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38— 25: 2,242,539
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2,242,481
61: Re.21,808
64: 2,242,513
40— 2: 2,242,736
125: 2,242,259
132: 2,242,342
145: 2,242,331
152.1: 2,242,804
41— 25: 2,242,631
46: 2,242,313
42— 16: 2,242,389
69: 2,242,496
43— 4: 2,242,965
31: 2,242,509
32: 2,242,521
2,242,522
35: 2,242,592
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46: 2,242,726
48: 2,242,708
43— 85: 2,242,648
44— 6: 2,242,398
45— 7: 2,242,745
24: 2,242,386
46— 83: 2,242,770
105: 2,243,043
118: 2,242,611
207: 2,242,725
208: 2,242,724
47— 57.5: 2,242,789
58: 2,242,429
61: Pl.Pt.466
48— 22: 2,242,571
180: 2,242,989
49— 78: 2,242,774
51— 32: 2,242,664
34: 2,242,781
89: 2,242,801
177: 2,242,229
189: 2,242,545
194: 2,242,377
195: 2,242,877
209: 2,242,753
241: 2,242,991
295: 2,243,049
53— 8: 2,242,779
55— 118: 2,242,922
56— 25: 2,242,917
246: 2,242,369
57— 18: 2,242,376
34: 2,242,682
58— 26: 2,242,654
2,242,655
140: 2,242,712
59— 1: 2,242,502
15: 2,242,824
84: 2,242,783
60— 8: 2,242,598
41: 2,242,767
54.6: 2,242,676
60: 2,243,036
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4: 2,242,728
6: 2,242,334
8: 2,242,926
17: 2,242,938
2,243,026
102: 2,242,527
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108.5: 2,242,764
119.5: 2,242,281
2,242,282
2,242,814
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63— 1: 2,242,912
16: 2,242,544
64— 11: 2,242,216
30: 2,242,379
66— 14: 2,243,007
117: 2,242,880
134: 2,242,462
163: 2,242,875
172: 2,242,957
67— 4.1: 2,242,304
7.1: 2,242,906
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456: 2,243,008
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14: 2,242,846
118: 2,242,558
2,247,834
124: 2,242,835
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2,242,890
270: 2,242,659
302: 2,242,589
305: 2,242,603
74— 5: 2,242,806
10: 2,242,287
41: 2,242,252
189.5: 2,242,515
209: 2,243,016
230.8: 2,242,716
236: 2,242,963
282: 2,242,945
311: 2,242,605
328: 2,242,276
346: 2,242,542
472: 2,242,519
600: 2,242,715
75— 12: 2,242,219
67: 2,242,721
84: 2,242,759
112: 2,242,257
117: 2,242,217
134: 2,242,205
2,242,970
165: 2,243,073
170: 2,242,865
77— 55: 2,242,510
62: 2,242,792
73: 2,242,821
80— 6: 2,242,662
35: 2,242,346
2,242,358
38: 2,243,010
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94: 2,242,796
84— 28: 2,242,418
29: 2,242,417
85— 30: 2,242,862
46: 2,242,758
49: 2,242,967
86— 45: 2,242,657
88— 1: 2,242,317
2.4: 2,242,452
16: 2,242,666
20: 2,242,723
24: 2,242,464
82: 2,242,382
90— 13.5: 2,242,506
14: 2,242,487
16: 2,242,445
23: 2,242,978
24: 2,242,815
62: 2,242,406
91— 30: 2,242,416
67.2: 2,242,947
70: 2,242,218
92— 15: 2,243,050
93— 3: 2,242,304
39: 2,243,051
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94— 1.5: 2,242,619
13: 2,242,550
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95— 2: 2,242,747
75: 2,243,047
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56: 2,242,426
98— 1: 2,242,378
64: 2,242,310
99— 107: 2,242,451
174: 2,242,300
265: 2,242,809
100— 31: 2,242,246
101— 18: 2,242,505
23: 2,243,024
93: 2,242,381
149: 2,242,754
101— 152: 2,242,995
350: 2,242,214
426: 2,242,295
102— 15: 2,242,907
103— 1: 2,242,551
5: 2,242,714
2,242,777
126: 2,242,687
150: 2,242,582
104— 265: 2,242,896
105— 44: 2,243,055
179: 2,242,851
2,242,852
182: 2,242,422
183: 2,242,371
364: 2,242,719
409: 2,242,766
414: 2,242,727
106— 5: 2,242,261
106: 2,242,785
123: 2,242,601
300: 2,242,320
306: 2,243,033
107— 14: 2,242,364
110— 1: 2,242,580
7: 2,242,653
111— 71: 2,242,227
112— 98: 2,242,528
181: 2,242,955
239: 2,242,688
2,242,689
258: 2,242,962
113— 45: 2,242,209
99: 2,242,663
114— 72: 2,242,635
112: 2,242,319
115— 37: 2,242,642
120— 91: 2,242,458
121— 34: 2,243,005
122— 71: 2,242,213
235: 2,242,491
2,242,762
374: 2,242,629
392: 2,242,354
448: 2,242,885
503: 2,242,744
504.1: 2,242,969
504.3: 2,242,798
123— 33: 2,242,274
44: 2,242,231
73: 2,242,871
75: 2,242,538
2,242,990
119: 2,242,374
122: 2,242,841
171: 2,242,495
2,242,761
124— 8: 2,242,596
126— 10: 2,242,709
38: 2,242,470
92: 2,242,742
96: 2,242,669
287.5: 2,242,738
128— 52: 2,243,013
284: 2,242,977
285: 2,242,937
328: 2,243,057
413: 2,242,886
129— 18: 2,242,737
26: 2,242,296
131— 225: 2,242,805
132— 33: 2,242,913
35: 2,242,349
42: 2,242,850
44: 2,242,549
133— 8: 2,242,933
136— 168: 2,242,599
178: 2,242,671
2,242,672
137— 20: 2,242,401
68: 2,242,693
78: 2,242,419
104: 2,242,560
2,243,002
122: 2,242,546
152: 2,242,832
153: Re.21,804
157: 2,242,367
139— 33: 2,242,210
239: 2,242,620
140— 71: 2,242,326
102: 2,242,341
113: 2,242,280
141— 7: 2,243,015
143— 38: 2,242,932
47: 2,242,336
145— 50: 2,242,873
146— 3: 2,243,025
39: 2,242,242
43: 2,242,343
52: 2,242,241
72: 2,242,244
78: 2,242,557
88: 2,242,512
94: 2,242,935
172: 2,242,863
2: 2,243,059
148— 13.1: 2,242,254
21.1: 2,242,944
31: 2,242,234
152— 7: 2,242,915
158: 2,242,788
405: 2,242,425
415: 2,242,207
429: 2,242,569
153— 40: 2,242,924
48: 2,242,332
79: 2,242,831
154— 1: 2,242,864
10: 2,242,810
14: 2,242,430
16: 2,242,455
2,243,045
155— 14: 2,242,247
46: 2,242,617
51: 2,242,884
166: 2,242,925
180: 2,242,540
156— 17: 2,242,697
2,242,923
19: 2,242,355
23: 2,242,683
33: 2,242,478
158— 1.5: 2,242,797
27.4: 2,242,471
76: 2,242,787
164— 10.6: 2,242,887
47: 2,242,782
70: 2,242,514
118: 2,242,363
125: 2,242,645
166— 2: Re.21,809
167— 20: 2,242,384
24: 2,242,911
42: 2,242,639
169— 2: 2,242,679
11: 2,242,399
170—135.6: 2,242,314
162: 2,243,046
171— 95: 2,242,656
119: 2,242,360
172— 36: 2,242,333
2,242,475
120: 2,242,339
2,243,021
239: 2,243,004
240: 2,242,347
275: 2,242,800

172—	278:	2,242,343	192—	18:	2,242,396	211–119.05:	2,242,563	244—	136:	2,242,705	260—	105:	2,242,529	274—	9:	2,242,803
		2,242,370		33:	2,243,042	214—	3:	2,242,695	246—	38:	2,242,987		148:	2,243,014		34:	2,242,927
	289:	2,242,375		48:	2,242,272		123:	2,242,819		41:	2,242,984		166:	2,242,456	275—	2:	2,242,710
173—	324:	2,242,273		58:	2,242,734			2,242,820	248—	23:	2,242,722		230:	2,242,373	279—	1:	2,242,823
175—	41:	2,242,784		60:	2,242,997		140:	2,242,511		48:	2,242,270		237:	2,242,565		49:	2,242,305
	182:	2,242,312		69:	2,243,035			2,242,860		51:	2,242,298		239:	2,242,490	280—11.18:		2,242,870
	183:	2,242,220		85:	2,242,765			2,242,962		83:	2,242,840		240:	2,242,474		49:	2,242,436
		2,242,366		103:	2,242,356	215—	25:	2,242,632		145:	2,248,001		251:	2,242,223		89:	2,242,593
		2,242,874	196—	10:	2,242,771		39:	2,242,256		315:	2,242,833			2,242,224		95:	2,242,454
		2,242,956			2,242,845		56:	2,242,966		333:	2,242,609		277:	2,242,411		112:	2,242,453
	220:	2,242,637		13:	2,242,504	216—	14:	2,242,618		354:	2,242,380			2,242,446		124:	2,242,584
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	294:	2,242,950		28:	2,242,387	217—	3:	2,242,686	250—	11:	2,242,530		286:	2,242,211			2,242,608
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	315:	2,242,780			2,242,622	219—	4:	2,242,867		20:	2,242,330		302:	2,242,237		36:	2,242,740
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177—	329:	2,242,920			2,242,625		21:	2,243,061		27:	2,242,249			2,242,469	285—	8:	2,242,291
178—	7.2:	2,242,952		49:	2,242,256		35:	2,242,328			2,242,275		315:	2,242,449		58:	2,242,265
	7.3:	2,242,633		50:	2,242,321		38:	2,242,630			2,242,894		318:	2,242,842		92:	2,242,604
	44:	2,242,404			2,242,553		39:	2,242,362			2,242,897		333:	2,242,575		93:	2,242,279
		2,242,878		52:	2,242,390	220—	3.2:	2,242,290			2,242,942		335:	2,242,572		96.5:	2,242,899
		2,242,879	197—	130:	2,242,268		22:	2,242,535			2,242,946		339:	2,243,053		97.7:	2,242,303
		2,242,881		172:	2,242,403		31:	2,242,421			2,242,948		348:	2,242,485		211:	2,242,468
	69:	2,242,324	198—	20:	2,213,056		36:	2,242,608		27.5:	2,242,351		377:	2,242,760	286—	10:	2,242,673
179—	1:	2,242,556		30:	2,242,531		61:	2,242,643			2,242,395		398:	2,242,230	287—	53:	2,242,591
		2,242,964		33:	2,242,532		89:	2,242,547			2,242,482		400:	2,242,979		100:	2,212,215
	18:	2,242,285		76:	2,242,409	221—	100:	2,242,288			2,242,644		449:	2,242,836	290—	38:	2,242,772
		2,242,397		88:	2,242,206		104:	2,242,576			2,242,786		464:	2,242,309	292—	8:	2,242,844
		2,242,776		138:	2,242,813			2,242,876			2,243,034		537:	2,242,466		19:	2,242,958
	27:	2,242,640		180:	2,243,032		136:	2,243,058		36:	2,242,888		583:	2,242,236		97.7:	2,242,707
	27.52:	2,242,340	200—	33:	2,242,691	223—	2:	2,242,665			2,242,934		599:	2,242,322		169:	2,242,508
	100.3:	2,242,548		39:	2,242,517	229—	2.5:	2,242,684		40:	2,242,661		613:	2,242,325		256:	2,242,503
		2,242,574		87:	2,242,636		5.5:	2,242,829		41.5:	Re.21,806		614:	2,242,516		280:	2,242,993
		2,242,968		89:	2,242,916		34:	2,242,741			2,242,638		666:	2,242,235		332:	2,242,385
	100.4:	2,242,442		113:	2,242,769		51:	2,242,694		83:	2,242,483		671:	2,242,960		350:	2,242,806
	100.11:	2,242,983			2,242,902		62:	2,242,857		93:	2,242,812		676:	2,242,627	294—	102:	2,242,602
	110:	2,242,755		116:	2,242,232	230—	133:	2,242,616		155:	2,243,041		683:	2,242,488	296—	35:	2,242,299
		2,242,756			2,242,717		217:	2,242,368	251—	159:	2,242,467		782:	2,242,208		44:	2,242,606
		2,242,757		127:	2,242,921	233—	22:	2,242,713	252—	48:	2,242,260	261—	41:	2,242,825		44.5:	2,242,438
	171:	2,242,284		147:	2,242,905	235—	1:	2,242,699		54:	2,242,400		79:	2,242,424		84:	2,242,746
		2,242,359			2,243,038		60:	2,242,908		75:	2,242,959		104:	2,242,594			2,242,930
	171.5:	Re.21,807			2,243,039	236—	11:	2,242,802		99:	2,242,315	262—	8:	2,242,708			2,242,931
180—	54:	2,242,494		149:	2,243,040		12:	2,242,649		109:	2,243,054	265—	1:	2,242,613			2,243,012
181—	26:	2,242,953		163:	2,242,271		45:	2,242,667		213:	2,242,849		68:	2,242,949		91:	2,243,029
183—	15:	2,242,460		166:	2,242,971		94:	2,242,501	253—	77:	2,242,308	266—	5:	2,242,882		137:	2,242,391
	23:	2,242,294	201—	62:	2,242,327		99:	2,242,718	254—	89:	2,242,891		23:	2,242,448	299—	77:	2,242,749
	37:	2,242,278		67:	2,242,344	237—	2:	2,242,588		91:	2,242,433	267—	9:	2,242,412		107.6:	2,243,011
	59:	2,242,277	202—	57:	2,242,463		19:	2,242,651		106:	2,242,431			2,242,413		114:	2,242,680
186—	1:	2,242,408		67:	2,242,267	238—	349:	2,242,773		144:	2,242,892			2,242,414	300—	21:	2,242,444
		2,242,811		134:	2,242,306	240—	2.1:	2,242,750		177:	2,242,393		63:	2,242,212	301—	65:	2,242,986
188—	59:	2,242,853			2,243,052		2.13:	2,242,626	255—	46:	2,242,739		72:	2,242,994	303—	21:	2,242,854
	78:	2,242,790	204—	89:	2,242,634		6.42:	2,242,981	256—	65:	2,242,427	268—	36:	2,242,647		22:	2,242,856
	79.5:	2,242,685		101:	2,242,477		6.46:	2,242,536	257—	124:	2,242,316		63:	2,242,706	305—	9:	2,242,570
		2,242,733		158:	2,242,883		10:	2,242,597		137:	2,242,337		74:	2,242,895		10:	2,242,222
	89:	2,242,564	205—	14:	2,242,435		41.36:	2,242,590		243:	2,242,432	271—	2.2:	2,242,751	306—	33:	2,242,859
	152:	2,242,297	206—	38:	2,242,914		44.1:	2,242,388	259—	9:	2,242,702		2.3:	2,242,552	308—	4:	2,242,847
	264:	2,242,855		44:	2,242,711		47:	2,242,525		51:	2,242,929	272—	30:	2,242,843		6:	2,242,498
189—	36:	2,242,238	207—	4:	2,243,031		78:	2,242,872		178:	2,243,028		70.1:	2,242,748		187:	2,242,262
		2,242,263	209—	215:	2,242,830	241—	1:	2,242,561	260—	19:	2,242,489	273—	11:	2,242,302		237:	2,242,440
190—	57:	2,242,283		357:	2,242,583		19:	2,242,221		29:	2,242,484		79:	2,242,670			2,242,996
191—	57:	2,242,839		441:	2,242,562	242—	32:	2,242,660			2,242,837		96:	2,242,450	309—	15:	2,242,345
192—	.02:	2,242,674	210—	5:	2,242,652		84.1:	2,242,972		45:	2,242,681		97:	2,243,019	311—	85:	2,243,018
		2,242,928		154:	2,242,807	244—	18:	2,242,457		51:	2,242,250		142:	2,242,909	312—	92:	Re.21,805
	9:	2,242,518		201:	2,242,861		63:	2,242,628		105:	2,242,289		150:	2,242,447		192:	2,242,720

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Re.21,809:	166—	2	2,242,334:	62—	6	2,242,567:	18—	47.5	2,242,663:	113—	99	2,242,877:	51—	195	2,243,030:	30—	162
2,242,229:	51—	177	2,242,345:	309—	15	2,242,569:	152—	429	2,242,669:	126—	96	2,242,895:	268—	74	2,243,033:	106—	306
2,242,239:	22—	213	2,242,405:	30—	43	2,242,573:	24—	249	2,242,680:	299—	114	2,242,900:	30—	154	2,243,036:	60—	60
2,242,240:	22—	213	2,242,407:	62—	2	2,242,589:	73—	302	2,242,709:	126—	10	2,242,902:	200—	113	2,243,050:	92—	15
2,242,247:	155—	14	2,242,450:	30—	162	2,242,592:	43—	35	2,242,724:	46—	208	2,242,929:	259—	51	2,243,051:	93—	39
2,242,258:	23—	52	2,242,479:	97—	35	2,242,601:	106—	123	2,242,748:	272—	70.1	2,242,933:	133—	8	2,243,052:	202—	134
2,242,261:	106—	5	2,242,483:	250—	83	2,242,605:	74—	311	2,242,785:	106—	106	2,242,952:	178—	7.2	2,243,056:	198—	20
2,242,277:	183—	59	2,242,486:	37—	181	2,242,607:	30—	303	2,242,789:	47—	57.5	2,242,965:	43—	4			
2,242,293:	10—	136	2,242,502:	59—	1	2,242,618:	216—	14	2,242,797:	158—	1.5	2,242,995:	101—	152			
2,242,320:	106—	300	2,242,566:	15—	246	2,242,654:	58—	62	2,242,871:	123—	73	2,243,019:	273—	97			

U. S. GOVERNMENT PRINTING OFFICE: 1941

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott, Lillian K., New York, N. Y. Women's, misses', juniors', and children's dresses, skirts, blouses, etc. Serial No. 441,987; May 27. Class 39.

Adam Hat Stores, Inc., New York, N. Y. Men's hats. Serial No. 441,988; May 27. Class 39.

Allen, Paul E., Skokie, Ill. Teethers, teething rattlers, and teething necklaces. Serial No. 441,660; May 27. Class 44.

American Anode Inc., Wilmington, Del., and Akron, Ohio. Knitted or netted textile fabrics. Serial No. 440,770; May 27. Class 42.

American Cabinet Hardware Corporation, Rockford, Ill. Sash locks. Serial No. 440,845; May 27. Class 25.

American Diagrid Corporation, Dover, Del. Architectural and engineering prints, drawings and computations. Serial No. 440,185; May 27. Class 38.

American Enameled Products Company, Waukesha, Wis. Bathroom wall fixtures. Serial No. 440,846; May 27. Class 13.

American Optical Company, Southbridge, Mass. Respirators and parts therefor. Serial No. 442,768; May 27. Class 44.

Andersen's, Buellton, Calif. Mince meat, spices, split peas, etc. Serial No. 441,189; May 27. Class 46.

Ardin, Lucien, Inc., New York, N. Y. American aperitif wine. Serial No. 441,840; May 27. Class 47.

Ardin, Lucien, Inc., New York, N. Y. American vermouth. Serial Nos. 441,841–2; May 27. Class 47.

Associated Products Company. (See Christman, Lowell A.)

Atkins & Pearce Manufacturing Company, The, Cincinnati, Ohio. Flat braids and twines. Serial No. 435,566; May 27. Class 7.

Austenal Laboratories, Inc., New York, N. Y. Swaged metal denture bases, as well as various forms of wires and wire products. Serial No. 441,224; May 27. Class 44.

Avia, Lear Inc., Dayton, Ohio. Aircraft navigational instruments. Serial No. 441,770; May 27. Class 26.

Bartmann & Bixer Inc., New York, N. Y. Window curtains. Serial No. 428,791; May 27. Class 42.

Bay West Paper Company, Green Bay, Wis. Paper towels. Serial No. 441,995; May 27. Class 37.

Beach & Arthur Paper Co., Indianapolis, Ind. Paper towels. Serial No. 441,850; May 27. Class 37.

Ben Hur Products, Inc., New York, N. Y. Rope belts. Serial No. 430,163; May 27. Class 39.

Benkalm Stores, Mount Carmel, Pa. Ladies' and misses' coats, suits, dresses, etc. Serial No. 442,301; May 27. Class 39.

Bessire & Company, Inc., Indianapolis, Ind. Paper boxes, cups, wrappers, etc. Serial No. 440,641; May 27. Class 2.

Betteen Perme-Sta Company. (See Hamilton, Elizebeth M.)

Binney & Smith Company, New York, N. Y. Furnace black. Serial No. 440,738; May 27. Class 6.

Bonilla, Frances, Long Island City, N. Y. Powdered modified milk product. Serial No. 441,466; May 27. Class 46.

Borg, Oscar C. W., Long Beach, Calif. Aspirin tablets. Serial No. 439,798; May 27. Class 6.

Boston Shoe Company. (See Smith, Jack.)

Brough Canning Corporation, Mission, Tex. Canned fruits and vegetables and fresh fruit. Serial No. 438,758; May 27. Class 46.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard table cloth. Serial No. 442,104; May 27. Class 42.

California Texas Oil Company, Limited, New York, N. Y. Fly sprays and white oils. Serial No. 438,034; May 27. Class 6.

California Texas Oil Company, Limited, New York, N. Y. Lubricating oils and greases. Serial No. 438,036; May 27. Class 15.

Carter, Adrienne. (See Marble, Mary C.)

Cavendish Trading Corporation, New York, N. Y. Ladies', misses', and children's dresses, blouses, outer shirts, etc. Serial No. 441,306; May 27. Class 39.

Charis Corporation, Allentown, Pa. Slide rules. Serial No. 441,810; May 27. Class 26.

Christman, Lowell A., doing business as The Associated Products Company, Columbus, Ohio. Insecticide. Serial No. 437,502; May 27. Class 6.

Cohn & Rosenberger Inc., New York, N. Y. Necklaces and bracelets, finger rings, etc. Serial No. 440,674; May 27. Class 28.

Colby Classics, Inc., Boston, Mass. Dresses for misses and women. Serial No. 441,340; May 27. Class 39.

Consolidated Cover Co., San Francisco, Calif. Self-disposing paper toilet seat covers. Serial No. 441,811; May 27. Class 37.

Cooperative G. L. F. Soil Building Service, Inc., Ithaca, N. Y. Poultry litter. Serial No. 439,771; May 27. Class 1.

Cosmetic Yeast, Limited, London, England. Face packs for toilet use all containing yeast. Serial No. 441,085; May 27. Class 6.

Cowan, Louis G. (See Quiz Kids, Incorporated.)

Derris, Inc., New York, N. Y. Insecticides. Serial No. 441,812; May 27. Class 6.

Diamond, Jack, Brooklyn, N. Y. Men's and boys' wearing apparel. Serial No. 439,889; May 27. Class 39.

Diamond, Jack, Brooklyn, N. Y. Men's outer shirts. Serial No. 439,890; May 27. Class 39.

Eastern Machine Screw Corporation, The, New Haven, Conn. Combined magnifying and illuminating devices. Serial No. 440,979; May 27. Class 26.

Ehrman Bros. Horn & Co., San Francisco, Calif. Vermouth. Serial No. 441,391; May 27. Class 47.

Elimore Silver Company, Incorporated, The, Meriden, Conn. Sterling silver hollow ware and tableware. Serial No. 441,673; May 27. Class 28.

Endicott Johnson Corporation, Endicott, N. Y. Shoes of leather. Serial No. 430,496; May 27. Class 39.

Eureka Vacuum Cleaner Company, Detroit, Mich. Attachments in the nature of a coupler. Serial No. 439,807; May 27. Class 23.

Evers, Emmett B., doing business as The Family Farmers Union of America, Lakeland, Fla. Fresh citrus fruit and vegetables. Serial No. 430,179; May 27. Class 46.

Family Farmers Union of America. (See Evers, Emmett B.

Finger Lakes Honey Producers Co-Operative, Incorporated, Groton, N. Y. Honey. Serial No. 439,894; May 27. Class 46.

Fisher Scientific Company, Pittsburgh, Pa. Electric heater. Serial No. 441,198; May 27. Class 21.

Forsberg, H. Company, Cleveland, Ohio. Coating materials. Serial No. 441,016; May 27. Class 16.

Full-O-Lite Corporation, Bloomfield, N. J. Electric lighting fixtures and bulbs. Serial No. 441,863; May 27. Class 21.

Gates Rubber Company, The, Denver, Colo. Pneumatic tires. Serial No. 442,121; May 27. Class 35.

Goldsmith Bros., New York, N. Y. Antiseptic baby oil, athletic liniment antacid powder, sodium bicarbonate tablets, etc. Serial No. 442,701; May 27. Class 6.

Goodrich, B. F. Company, The, New York, N. Y., and Akron, Ohio. Solution of synthetic resins used as a paint, etc. Serial No. 435,581; May 27. Class 16.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Rubber heels and soles. Serial No. 441,959; May 27. Class 39.

Gottfried Baking Company, Inc., New York, N. Y. Bread. Serial No. 440,331; May 27. Class 46.

Graham Paper Company, St. Louis, Mo. Wrapping paper. Serial No. 441,730; May 27. Class 37.

Griswold, Edwin A., doing business as The Rite Products Co., Sonoma, Calif. Ointment used for a treatment for piles. Serial No. 441,092; May 27. Class 6.

Hamilton, Elizebeth M., doing business as Betteen Perme-Sta Company, Atlantic City, N. J. Hair dressing. Serial No. 441,821; May 27. Class 6.

Hammermill Paper Company, Erie, Pa. Bond paper. Serial No. 441,733; May 27. Class 37.

Hanson, W. T., Co., Schenectady, N. Y. Laxative. Serial No. 441,134; May 27. Class 6.

Hausman, Newman & Miller, Inc., Brooklyn, N. Y. Clothing. Serial No. 439,105; May 27. Class 39.

Hoeflich & Son Neckwear Co., Inc., New York, N. Y. Neckties. Serial No. 440,817; May 27. Class 39.

Hollingshead, R. M., Corp., assignor to Sears, Roebuck and Co., Chicago, Ill. Shoe dye. Serial No. 434,645; May 27. Class 6.

Ingraham, E., Company, The, Bristol, Conn. Clocks. Serial No. 442,067; May 27. Class 27.

International Tissue Corp., New York, N. Y. Paper towels. Serial No. 441,540; May 27. Class 37.

Irving-Cloud Publishing Co., The, Chicago, Ill. Periodical. Serial No. 441,022; May 27. Class 38.

Jany, Martin, New York, N. Y. Heat-proof pads used as kitchen utensils for pots, pans, etc. Serial No. 441,023; May 27. Class 50.

Jarvinen, Vilho O., New York, N. Y. Cheese. Serial No. 434,327; May 27. Class 46.

Jenkins, Tazewell H., Chicago, Ill. Metal wall holding plates. Serial No. 441,360; May 27. Class 13.

Jordan Y Ramos, Rodrigo, New York, N. Y. Medicinal preparations. Serial No. 441,771; May 27. Class 6.

Joseph & Feiss Company, The, Cleveland, Ohio. Suits. Serial No. 438,947; May 27. Class 39.

Kansas Milling Company, The, Wichita, Kans. Wheat germ and wheat flour. Serial No. 440,096; May 27. Class 46.

Keith, Geo. E., Company, Brockton, Mass. Shoes. Serial No. 441,137; May 27. Class 39.
Kinghill Laboratories. (See Koenigsberger, Franz.)
Koenigsberger, Franz, doing business as Kinghill Laboratories, New York, N. Y. Toilet water, eau de cologne, perfumes, etc. Serial No. 442,712; May 27. Class 6.
Lentheric, Incorporated, New York, N. Y. Scalp stimulant, after-shave lotion, and eau de cologne. Serial No. 441,545; May 27. Class 6.
Lentz, J. W., Kansas City, Mo. Dressed poultry. Serial No. 441,706; May 27. Class 46.
Libitz, Aaron, doing business as Metropolitan Extract Co., Los Angeles, Calif. Nonalcoholic beverage and syrups for making same. Serial No. 442,397; May 27. Class 45.
Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation of calcium pantothenate. Serial No. 441,777; May 27. Class 6.
Lippert, Louise K., doing business as L. K. Lippert Equipment Company, Columbus, Ohio. Sheet type weatherproof material. Serial No. 441,055; May 27. Class 12.
Lorr Laboratories, Paterson, N. J. Cosmetics. Serial No. 441,580; May 27. Class 6.
Lux Clock Manufacturing Company, The, Waterbury, Conn. Clocks. Serial No. 441,581; May 27. Class 27.
Marble, Mary C., doing business as Adrienne Carter, Washington, D. C. Cosmetic creams, lotions, and hair preparations. Serial No. 431,124; May 27. Class 6.
Maryland Baking Company, Inc., Baltimore, Md. Ice cream cones. Serial No. 438,345; May 27. Class 46.
Mayon Products Co. (See Rancatti, Peter L.)
Mayhams, Norris B., New York, N. Y. Phonograph records. Serial No. 434,802; May 27. Class 36.
McCane, T. A., doing business as Queen Ann Company, Atlanta, Ga. Hair dressing or pomade, talcum powder, skin bleach, etc. Serial No. 441,516; May 27. Class 6.
McClure, Majorie M., doing business as The McClure Co., Corpus Christi, Tex. Liquid antiseptic dressing, medicated salve, medicated cream, etc. Serial No. 441,479; May 27. Class 6.
McGraw-Hill Publishing Company, Inc., New York, N. Y. Book paper in rolls or sheets. Serial No. 441,480; May 27. Class 37.
M-Dex Corporation of California, Los Angeles, Calif. Volatile dilitant and anti-spasmodic preparation. Serial No. 440,943; May 27. Class 6.
Mercury Battery Charger & Tester Corp., assignor to The Mercury Corporation, Kansas City, Mo. Battery charging and testing apparatus, Combined. Serial No. 440,013; May 27. Class 26.
Merrell, Wm. S. Company, The, Cincinnati, Ohio. Product for the treatment of streptococcic, pneumococcic, stophylococcic and related infections. Serial No. 442,452; May 27. Class 6.
Metropolitan Extract Co. (See Libitz, Aaron.)
Miller, Calla, Tacoma, Wash. Cakes. Serial No. 440,739; May 27. Class 46.
Mills Novelty Company, Chicago, Ill. Sound motion pictures. Serial No. 435,399; May 27. Class 26.
Mitusi & Co., Ltd., New York, N. Y. Bristles for the manufacturing of brushes. Serial No. 442,134; May 27. Class 1.
Monroe Chemical Company, Quincy, Ill. Dyes. Serial No. 427,551; May 27. Class 6.
Monsanto Chemical Company, St. Louis, Mo. Artificial resins. Serial No. 442,135; May 27. Class 1.
Mooney, James D., New York, N. Y. Apparatus designed to illustrate the laws of economics by physical analogies. Serial No. 440,704; May 27. Class 26.
Mosley, Joseph G., Monette, Ark. Preparation for the treatment of coughs and colds. Serial No. 441,737; May 27. Class 6.
Muney, William A., New York, N. Y. Watches and watch parts. Serial No. 441,680; May 27. Class 27.
Nashua Package Sealing Co. Inc., Nashua, N. H. Machines and tools for moistening, serving, or applying adhesive or gummed tape, wrappers, labels, etc. Serial No. 439,168; May 27. Class 23.
National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind. Turkey poults, chicks, hatching eggs, etc. Serial No. 439,945; May 27. Class 46.
National Refining Company, The, Cleveland, Ohio. Kerosene. Serial No. 440,562; May 27. Class 15.
National Tire Stores Inc., Denver, Colo. Pneumatic tires. Serial No. 442,137; May 27. Class 35.
Noggle, S. W., doing business as the S. W. Noggle Company, Kansas City, Mo. Ice cream bar coating, sherbet stabilizer, food flavoring extracts, etc. Serial No. 440,634; May 27. Class 46.
Nomis Corporation, The, Lafayette, Ind., and Jacksonville, Fla. Fillers for sea-food sandwiches. Serial No. 441,920; May 27. Class 46.
No-Sag Spring Company, Detroit, Mich. Furniture provided with springs. Serial No. 441,683; May 27. Class 32.
Original Canning Company, Inc., Maspeth, N. Y. Pickles. Serial No. 435,154; May 27. Class 46.
Packard Motor Car Company, Detroit, Mich. Internal combustion engines, parts for internal combustion engines, etc. Serial No. 440,377; May 27. Class 23.
Parke, Davis & Company, Detroit, Mich. Chemotherapeutic agent. Serial No. 441,626; May 27. Class 6.
Penotrite Products Company. (See Voehringer, Carl.)
Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes for vehicle wheels. Serial No. 442,329; May 27. Class 35.
Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Mattresses. Serial No. 442,279; May 27. Class 32.
Post, Frederick, Company, The., Chicago, Ill. So-called transparent tracing sheets. Serial No. 437,663; May 27. Class 37.
Presstite Engineering Company, The, St. Louis, Mo. Putying and caulking compounds. Serial No. 441,176; May 27. Class 12.
Prina, Frank R., New York, N. Y. Vanity cases. Serial No. 442,281; May 27. Class 2.
Pro-Medico Laboratories, Brooklyn, N. Y. Aqueous solutions of hydrochloric acid, Congo red, Hydrochloride, etc. Serial No. 440,996; May 27. Class 6.
Pure Oil Company, The, Chicago, Ill. Liquid chemical composition. Serial No. 441,637; May 27. Class 6.
Queen Ann Company. (See McCane, T. A.)
Quiz Kids, Incorporated, assignor to L. G. Cowan, Chicago, Ill. Radio scripts. Serial No. 434,086; May 27. Class 38.
Raab-Meyerhoff, M. H., Co., Philadelphia, Pa. Outer shirts. Serial No. 441,255; May 27. Class 39.
Rancatti, Peter L., doing business as Mayon Products Co., North Adams, Mass. Cold cream and vanishing cream. Serial No. 429,788; May 27. Class 6.
Remington Rand Inc., Buffalo, N. Y. Visible card indexes, card holders, blank and partially printed index cards, etc. Serial No. 441,591; May 27. Class 37.
Rite Products Co., The. (See Griswold, Edwin A.)
Royal Maid Mfg. Co., Chicago, Ill. Shower curtains. Serial No. 436,035; May 27. Class 13.
Safe Drug Stores. (See Stoppelli, Caesar A.)
Salomon, L. A., & Bro., New York, N. Y. Mineral wax for industrial purposes. Serial No. 442,014; May 27. Class 1.
Sears, Roebuck and Co. (See Hollingshead, R. M., Corp., assignor.)
Sears, Roebuck and Co., Chicago, Ill. Mattresses. Serial No. 442,608; May 27. Class 32.
Selmer, H. & A., Inc., Elkhart, Ind. Musical instrument pads. Serial No. 441,882; May 27. Class 36.
Shapiro, Manuel M., doing business as Ster-O-Ped Company, Beverly Hills, Calif. Ultra-violet ray sterilizing devices. Serial No. 442,569; May 27. Class 44.
Smith, Jack, doing business as Boston Shoe Company, Los Angeles, Calif. Shoes and boots. Serial No. 430,447; May 27. Class 39.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating oils and greases. Serial No. 441,262; May 27. Class 15.
Southland Wine Corporation, Richmond, Va. Wines. Serial No. 439,784; May 27. Class 47.
Southwest Magazine Co., Inc., The, Fort Worth, Tex. Weekly newspaper. Serial No. 438,158; May 27. Class 38.
Specialty Products Company, Jersey City, N. J. Finish for hosiery and other textile materials. Serial No. 441,712; May 27. Class 6.
Standard Chemical Company, Natick, Mass. Chemical Composition. Serial No. 440,346; May 27. Class 6.
Sta-Rite Ginnie-Lou, Inc., Shelbyville, Ill. Fingernail enamel. Serial No. 436,943; May 27. Class 6.
Stauffer Chemical Company, San Francisco, Calif. Insecticides. Serial No. 442,574; May 27. Class 6.
Ster-O-Ped Company. (See Shapiro, Manuel M.)
Stoppelli, Caesar A., doing business as Safe Drug Stores, New York, N. Y. Cough mixtures. Serial No. 441,491; May 27. Class 6.
Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Paper. Serial No. 441,524; May 27. Class 37.
Synfleur Scientific Laboratories, Inc., Monticello, N. Y. Chemicals used for imparting odor or color to perfumes. Serial No. 439,448; May 27. Class 6.
Taylor-Freeman-Stanley, Incorporated, New York, N. Y. Cuticle liquid. Serial No. 442,577; May 27. Class 6.
Texas Mining & Smelting Company, Laredo, Tex. Antimony oxide. Serial No. 442,735; May 27. Class 6.
Thebest Mill Co., New York, N. Y. Women's, misses', and children's dresses, play suit, outer skirts, etc. Serial No. 439,844; May 27. Class 39.
Union Asbestos & Rubber Company, Chicago, Ill. Asbestos pipe covers, asbestos blanket or sheet insulation, etc. Serial No. 441,526; May 27. Class 12.
Union Bag & Paper Corporation, New York, N. Y. Paper bags. Serial No. 442,504; May 27. Class 2.
Union Wire Rope Corporation, Kansas City, Mo. Wire rope and wire rope cables. Serial No. 440,228; May 27. Class 7.
Vandam, Albert H., Co. Inc., New York, N. Y. Cotton piece goods. Serial No. 442,016; May 27. Class 42.
Venus Foundation Garments, Inc., Chicago, Ill. Women's undergarments. Serial No. 441,752; May 27. Class 39.
Voehringer, Carl, doing business as Penotrite Products Company, Long Island City, N. Y. Liquid solvent. Serial No. 441,891; published May 27. Class 6.
W & S Packing Company, Salinas, Calif. Fresh vegetables. Serial No. 434,255; May 27. Class 46.
Western Canners, Inc., Newport Beach, Calif. Canned mackerel. Serial No. 436,682; May 27. Class 46.

Wheary Trunk Company, Racine, Wis. Hand luggage and trunks. Serial Nos. 436,531–2; May 27. Class 3.
Wheary Trunk Company, Racine, Wis. Luggage and trunks. Serial Nos. 440,480–1; May 27. Class 3.
Whitehead Bros. Rubber Co., The, Trenton, N. J. Gasoline hose, air hose, oil hose, etc. Serial No. 433,842; May 27. Class 35.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Units of silver picrate, sodium chloride, sulfanilamide, etc. Serial No. 438,824; May 27. Class 6.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Preparation for use in the treatment of anemia. Serial No. 441,933; May 27. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Ace Lubricating Equipment Co., Detroit, Mich. Automatic self-feeding greasing cups. 387,709; May 27; Serial No. 438,784; published Mar. 11, 1941. Class 23.
Adams Publishing Company. (See Madison Publishing Company, assignor.)
Aeronautical Manufacturing Corporation, Buffalo, N. Y. Automatic thermally operated airplane engine cooling louver controls. 387,630; May 27; Serial No. 429,639; published Mar. 18, 1941. Class 26.
Alexander, Alexander S., Chicago, Ill. Face cream, skin oils, and astringents. 387,725; May 27; Serial No. 439,142; published Mar. 18, 1941. Class 6.
Alford, Donald C., New York, N. Y. Magazine or periodical issued monthly. 387,674; May 27; Serial No. 437,022; published Mar. 4, 1941. Class 38.
All American Meat & Bone Cutter Co., Los Angeles, Calif. Meat and bone cutting machines. 387,701; May 27; Serial No. 438,564; published Mar. 11, 1941. Class 23.
Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Infants' portable bathing devices—namely, tables, shower enclosures, and bathing hammocks, etc. 387,661; May 27; Serial No. 436,159; published Mar. 11, 1941. Class 32.
Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Living room, dining room, bedroom, etc., furniture. 387,682; May 27; Serial No. 437,541; published Mar. 18, 1941. Class 32.
Amend, Fred W., Co., Danville, Ill. Candy. 387,688; May 27; Serial No. 437,986; published Mar. 11, 1941. Class 46.
American Art Works, Inc., The, Coshocton, Ohio. Non-electrical advertising signs of metal. 387,710; May 27; Serial No. 438,785; published Mar. 18, 1941. Class 50.
American Safety Razor Corporation, Brooklyn, N. Y. Razors and razor blades. 387,796; May 27. Class 23.
American Tobacco Company, The, New York, N. Y. Smoking-tobacco, little cigars, and cigarettes. 144,166; renewed June 28, 1941.
Anglo-French Laboratories, Inc., New York, N. Y. Medicinal preparation. 387,783; May 27; Serial No. 440,402; published Mar. 18, 1941. Class 6.
Ansbacher, Leon F., doing business as Fairy Hanger Co., New York, N. Y. Garment hangers, hose stretcher forms, and sweater dryer forms. 387,704; May 27; Serial No. 438,749; published Mar. 18, 1941. Class 50.
Armstrong Cork Company, Lancaster, Pa. Architectural wall panels. 387,622; May 27; Serial No. 426,513; published Mar. 11, 1941. Class 12.
Arrow Ca-Ta-Lite Company, Inc., Boston, Mass. Fluorescent lamp fixtures. 387,696; May 27; Serial No. 438,296; published Mar. 11, 1941. Class 21.
Arthur & Foster. (See Pitman, Arthur R.)
Associated Press, The, New York, N. Y. Series of cartoons. 387,712; May 27; Serial No. 438,827; published Mar. 4, 1941. Class 38.
Auto-Ordnance Corporation, New York, N. Y. Pistols. 146,682; renewed Sept. 20, 1941.
Autoyre Company, Incorporated, The, Oakville, Conn. Soap dishes, towel bars, roll holders, tumbler and toothbrush holders, towel racks, etc. 387,711; May 27; Serial No. 438,788; published Mar. 18, 1941. Class 13.
B & M Company, Grand Saline, Tex. Antiseptic. 387,782; May 27; Serial No. 440,353; published Mar. 18, 1941. Class 6.
Babs Creations, Inc., New York, N. Y. Rouge, lipstick, sachet, perfumes, etc. 387,718; May 27; Serial No. 439,010; published Mar. 18, 1941. Class 6.
Babson Bros. Co., Chicago, Ill. Electric fence charging apparatus and equipment. 387,726; May 27; Serial No. 439,190; published Mar. 11, 1941. Class 21.
Banks, Charles, doing business as Nar-O Company, St. Louis, Mo. Hair and scalp shampoo, waving lotions, curling fluids, etc. 387,731; May 27; Serial No. 439,265; published Mar. 18, 1941. Class 6.
Barber Asphalt Corporation, Barber, N. J. Bituminous composition roofing, bituminous roof cement, etc. 387,623; May 27; Serial No. 427,492; published Mar. 11, 1941. Class 12.
Barnes, D. F., Homerville, Ga. Honey. 387,707; May 27; Serial No. 438,754; published Mar. 18, 1941. Class 46.
Bentley Dresses, Inc., New York, N. Y. Dresses, coats, suits, etc. 387,785; May 27. Class 39.
Berkman, Joseph, doing business as Berkman Brothers, Pittsburgh, Pa. Women's dresses, coats, suits and fur coats and fur jackets. 387,719; May 27; Serial No. 439,012; published Mar. 18, 1941. Class 39.
Binney & Smith Company, New York, N. Y. Gas-black and carbon-black in bags. 147,072; renewed October 4, 1941.
Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Finishing rolls for rolling mills. 387,727; May 27; Serial No. 439,193; published Mar. 18, 1941. Class 23.
Bjorlin, Harold E., doing business as Bjorlin Flakee-Ry Co., Duluth, Minn. Hardtack wafers and discs. 387,703; May 27; Serial No. 438,644; published Mar. 18, 1941. Class 46.
Bo-Kay Perfume Co., New York, N. Y. Cosmetics. 387,685; May 27; Serial No. 437,891; published Mar. 18, 1941. Class 6.
Bon Marche, The. (See Allied Stores Corporation.)
Boscobel Brewing Co., Bocobel, Wis. Beer. 387,720; May 27; Serial No. 439,039; published Mar. 4, 1941. Class 48.
Britton Fabrics, New York, N. Y. Piece goods. 387,730; May 27; Serial No. 439,248; published Mar. 18, 1941. Class 42.
Brookhaven Textiles, Inc., New York, N. Y. Corduroy piece goods. 387,683; May 27; Serial No. 437,642; published Mar. 18, 1941. Class 42.
Bucyrus-Erie Company, South Milwaukee, Wis. Land leveling and material handling attachments for tractors. 387,657; May 27; Serial No. 435,605; published Mar. 11, 1941. Class 23.
Buffalo Foundry & Machine Co., Buffalo, N. Y. Machines for drying or evaporating liquids, etc. 387,648; May 27; Serial No. 433,375; published Mar. 18, 1941. Class 23.
Bulova Watch Company, Inc., New York, N. Y. Watches. 387,729; May 27; Serial No. 439,221; published Mar. 18, 1941. Class 27.
Butler, Dale F., Fresno, Calif. Seeds. 387,636; May 27; Serial No. 431,845; published Sept. 24, 1940. Class 1.
Calkins Manufacturing Company, Spokane, Wash. Rotary weeders. 387,700; May 27; Serial No. 438,500; published Mar. 11, 1941. Class 23.
Cameo Fabrics, New York, N. Y. Piece goods. 387,802; May 27. Class 42.
Cartier, Inc., New York, N. Y. Perfume extracts, toilet waters, face powders, etc. 387,615; May 27; Serial No. 418,476; published Mar. 18, 1941. Class 6.
Certain-Teed Products Corporation, St. Louis, Mo., to Certain-Teed Products Corporation, New York, N. Y. Linoleum, oil-cloth, and floor coverings: 142,954; renewed May 24, 1941.
Chance, A. B., Company, Centralia, Mo. Games. 387,678; May 27; Serial No. 437,270; published Mar. 18, 1941. Class 22.
Cheney Brothers, Manchester, Conn., and New York, N. Y. Fabrics made of silk, rayon, cotton, etc. 387,632; May 27; Serial No. 431,146; published Mar. 18, 1941. Class 42.
Chicago Flexible Shaft Company, Chicago, Ill. Industrial furnaces. 387,793; May 27. Class 34.
Clairol, Incorporated, Stamford, Conn. Hair tints, hair dye, hair washes, etc. 387,767; May 27; Serial No. 439,888; published Mar. 18, 1941. Class 6.
Cleveland Cleaner and Paste Co., Cleveland, Ohio. Wall paper cleaner. 387,654; May 27; Serial No. 434,898; published Mar. 18, 1941. Class 4.
Climax Reflector, Inc., Cleveland, Ohio. Incandescent electric lamps and lighting units. 387,664; May 27; Serial No. 436,462; published Mar. 11, 1941. Class 21.
Clower, Joseph B., Woodstock, Va. Remedy (preferably in wafer form) for corns. 142,966; renewed May 24, 1941.
Cociiana, Inc., Brooklyn, N. Y. Coffee flavored candy tablets. 387,680; May 27; Serial No. 437,464; published Mar. 18, 1941. Class 46.
Coe Laboratories, Inc., Chicago, Ill. Impression paste for obtaining equalization of tissue compression in full denture impressions. 387,628; May 27; Serial No. 428,149; published Mar. 18, 1941. Class 44.
Colgate-Palmolive-Peet Company, Jersey City, N. J. Scripts for a series of commercial broadcasts. 387,643; May 27; Serial No. 432,425; published Mar. 11, 1941. Class 38.
Columbia Recording Corporation, New York, N. Y. Sheet music. 387,631; May 27; Serial No. 429,841; published Mar. 4, 1941. Class 38.
Compañia Sansinena, Sociedad Anonima (Carnes y Derivados), Buenos Aires, Argentina. Chilled and frozen beef, lamb, and pork, canned meat, etc. 387,619–20; May 27; Serial Nos. 425,880–1; published Mar. 18, 1941. Class 46.

Compañía Sansinena, Sociedad Anonima, (Carnes y Derivados). Chilled and frozen beef, lamb, and pork, canned meat, etc. 387,621; May 27; Serial No. 425,883; published Mar. 18, 1941. Class 46.
Cooper, William & Nephews, Incorporated, Chicago, Ill. Hair shampoo. 387,770; May 27; Serial No. 440,084; published Mar. 18, 1941. Class 6.
Corn Products Refining Company, New York, N. Y. Cornsugar. 146,973; renewed Sept. 27, 1941.
Cortne Optical Co., Inc., New York, N. Y. Spectacle frames and optical frames and mountings. 387,745; May 27; Serial No. 439,459; published Mar. 11, 1941. Class 26.
Crawford, Robert, San Francisco, Calif. Photographic prints. 387,637; May 27; Serial No. 432,026; published Mar. 4, 1941. Class 38.
Crowe, Aaron C., Durham, N. C. Preparation for purifying the blood and skin infections. 387,691; May 27; Serial No. 438,195; published Mar. 18, 1941. Class 6.
Crowe, Robert L., Memphis, Tenn., assignor to H. B. Gooding, Tiffin, Ohio. Germicide. 141,913; renewed May 3, 1941.
Crowell-Collier Publishing Company, The, New York, N. Y. Monthly magazine. 387,732; May 27; Serial No. 439,208; published Mar. 18, 1941. Class 38.
Denver Equipment Company, Denver, Colo. Finished iron and iron alloy castings and machine parts. 387,671; May 27; Serial No. 436,923; published Mar. 11, 1941. Class 23.
Denver Fire Clay Company, The, Denver, Colo. Insulating brick. 387,653; May 27; Serial No. 434,713; published Mar. 4, 1941. Class 12.
Detroit Sulphite Pulp & Paper Co., Detroit, Mich. Wrapping and cover paper. 387,738; May 27; Serial No. 439,334; published Mar. 18, 1941. Class 37.
Dille & McGuire Mfg. Co., Richmond, Ind. Lawn mowers. 387,713; May 27; Serial No. 438,872; published Mar. 18, 1941. Class 23.
Dilling & Company, Indianapolis, Ind., assignor to Plee-Zing, Inc., Chicago, Ill. Taffy candy. 145,348; renewed Aug. 2, 1941.
District of Columbia Paper Mills, Inc., Washington, D. C. Blotting paper, cover paper, box covering paper, etc. 387,733; May 27; Serial No. 439,270; published Mar. 18, 1941. Class 37.
Dome Chemicals, Inc., New York, N. Y. Medicines and pharmaceutical preparations for the treatment of the skin and scalp. 387,771–2; May 27; Serial Nos. 440,190–1; published Mar. 18, 1941. Class 6.
Dorn & Kirschner Band Instrument Co., Inc., Newark, N. J. Stringed musical instruments, woodwind and metal wind instruments, etc. 387,668; May 27; Serial No. 436,760; published Mar. 11, 1941. Class 36.
Doyle, Dewey I., doing business as Doyle Vacuum Cleaner Co., Grand Rapids, Mich. Cleaning fluid kits containing liquid chemicals for removing spots, etc. 387,697; May 27; Serial No. 438,380; published Mar. 11, 1941. Class 4.
Doyle, Dewey I., doing business as Doyle Vacuum Cleaner Co., Grand Rapids, Mich. Electrical vacuum cleaners. 387,698; May 27; Serial No. 438,381; published Mar. 11, 1941. Class 21.
Dupli-Color Products Company, Chicago, Ill. Ready mixed paints. 387,689; May 27; Serial No. 437,909; published Mar. 18, 1941. Class 16.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Chemical compounds known by the generic name nylon. 387,746; May 27; Serial No. 439,460; published Mar. 18, 1941. Class 1.
Dupree, Samuel F., Jr., Beverly Hills, Calif. Charts for use in calculating the life of brake linings. 387,646; May 27; Serial No. 432,811; published Mar. 11, 1941. Class 26.
Earnshaw Knitting Company, Newton, Mass. Packaged children's and infants' garments. 387,736; May 27; Serial No. 439,303; published Mar. 18, 1941. Class 39.
Eastman Kodak Company, The, Jersey City, N. J., and Rochester, N. Y. Monthly magazines, periodicals, monthly house organ, etc. 387,692; May 27; Serial No. 438,237; published Mar. 4, 1941. Class 38.
Elco Grease and Oil Company, The, Cleveland, Ohio. Lubricating oils and greases. 387,690; May 27; Serial No. 438,070; published Mar. 4, 1941. Class 15.
Fairy Hanger Co. (See Ansbacher, Leon F.)
Farnsworth Television & Radio Corporation, Fort Wayne, Ind. Radio and automatic phonographs. 387,805; May 27. Class 36.
Finch, Joseph S., and Company, New York, N. Y., Schenley, Pa., and Lawrenceburg, Ind. Gin, whiskey, rum, etc. 387,760; May 27; Serial No. 439,752; published Mar. 18, 1941. Class 49.
Fischer, Philip, Chicago, Ill. Dog food. 387,704; May 27; Serial No. 438,649; published Mar. 18, 1941. Class 46.
Flavorstar Mfg. Co., Los Angeles, Calif. Food products namely, coffee. 387,714; May 27; Serial No. 438,875; published Mar. 18, 1941. Class 46.
Fletcher, D. J., Eagle Pass, Tex. Fresh vegetables, fresh citrus fruits, and fresh deciduous fruits. 387,717; May 27; Serial No. 438,925; published Mar. 18, 1941. Class 46.
Flexible Steel Lacing Company, Chicago, Ill. Wrenches, boring bits, punches, etc. 387,650; May 27; Serial No. 433,564; published Mar. 11, 1941. Class 23.
Florid Co., New York, N. Y. Nail polish. 387,765; May 27; Serial No. 439,862; published Mar. 18, 1941. Class 6.
Forster Textile Mills, Inc., Chicago Heights, Ill. Curtains, drapes, valances, etc. 387,651; May 27; Serial No. 434,437; published Mar. 18, 1941. Class 42.
Freiberg Mahogany Company, The, Cincinnati, Ohio. Mahogany woods and veneers. 387,658; May 27; Serial No. 435,650; published Mar. 4, 1941. Class 12.
Fundler, Louis, New York, N. Y. Soaps. 141,122; renewed Apr. 12, 1941.
Galter, Jack, assignor to V. Nemeroff, Chicago, Ill. Electric bed lamps. 387,807; May 27. Class 21.
Gasparcolor, Inc., Hollywood, Calif. Sensitized photographic materials. 387,748; May 27; Serial No. 439,480; published Mar. 18, 1941. Class 26.
Gasparcolor, Inc., Hollywood, Calif. Photographic chemicals. 387,749; May 27; Serial No. 439,481; published Feb. 25, 1941. Class 6.
Gasparcolor, Inc., Hollywood, Calif. Sensitized photographic materials. 387,750; May 27; Serial No. 439,482; published Mar. 18, 1941. Class 26.
Gasparcolor, Inc., Hollywood, Calif. Photographic chemicals. 387,751; May 27; Serial No. 439,483; published Feb. 25, 1941. Class 6.
General Cable Corporation, New York, N. Y. Insulated electrical wires and cables. 387,784; May 27. Class 21.
General Dyestuff Corporation, New York, N. Y. Colloidal dispersion suitable for water-proofing textiles. 387,780; May 27; Serial No. 440,329; published Mar. 18, 1941. Class 6.
General Ribbon Mills, Inc., Dover, Del., and New York, N. Y. Ribbon bows. 387,753; May 27; Serial No. 439,543; published Mar. 18, 1941. Class 40.
Gibson, Frank H., Omaha, Nebr., to H. H. Hixson, Chicago, Ill., successor. Coffee. 142,268; renewed May 10, 1941.
Globe-Union Inc., Milwaukee, Wis. Storage batteries. 387,665; May 27; Serial No. 436,692; published Mar. 18, 1941. Class 21.
Gonzales, Constantino, y Cia. S. en C., Habana, Cuba. Cigars. 387,659; May 27; Serial No. 435,790; published Mar. 18, 1941. Class 17.
Gooding, H. B. (See Crowe, Robert L., assignor.)
Grocers Bircuit Company, Louisville, Ky. Biscuits and crackers. 142,272; renewed May 10, 1941.
Grove Silk Company, Dunmore, Pa. Hosiery yarns. 387,799; May 27. Class 43.
Gurachs Food Products, Inc., Jersey City, N. J. Maltless beverage sold as a soft drink and concentrate for making the same. 387,702; May 27; Serial No. 438,571; published Mar. 18, 1941. Class 45.
H & H Grocery Co., Baltimore, Md. Canned vegetables and fruits and tomato paste. 387,715; May 27; Serial No. 438,882; published Mar. 18, 1941. Class 46.
Haas-Miller Corp., Philadelphia, Pa. Gelatinous chemical. 387,778; May 27; Serial No. 440,245; published Mar. 18, 1941. Class 6.
Haas-Miller Corp., Philadelphia, Pa. Sodium mannuronate. 387,779; May 27; Serial No. 440,246; published Mar. 18, 1941. Class 6.
Hampden Paint & Chemical Co. to Hampden Color & Chemical Co., Springfield, Mass., by change of name. Dry, paste, and ready-mixed paints, colors in oil, paint enamels, etc. 140,821; renewed Mar. 29, 1941.
Harris, Edward H., doing business as LensBuilders Products Company, Chicago, Ill. Lenses and parts sold unassembled. 387,794; May 27. Class 26.
Harris, Edward H., doing business as LensKit Products Company, Chicago, Ill. Lenses and parts sold unassembled. 387,795; May 27. Class 26.
Henkel-Clauss Company, The, Fremont, Ohio. Surgical and dental scissors and pliers. 387,809; May 27. Class 44.
Herzfeld-Phillipson Company, The, to Milwaukee Boston Store, Inc., Milwaukee, Wis., by change of name. Corsets. 143,642; renewed June 7, 1941.
Herzfeld-Phillipson Company, The, to Milwaukee Boston Stores, Inc., Milwaukee, Wis., by change of name. Men's and boys' clothing. 143,643; renewed June 7, 1941.
Hirsch Distilling Company, Kansas City, Mo. Whiskey. 387,705; May 27; Serial No. 438,054; published Mar. 18, 1941. Class 49.
Hixson, Henry H. (See Gibson, Frank H.)
Holden-Soules, Inc., Detroit, Mich. Blades for electric fans. 387,787; May 27. Class 21.
Holophane Glass Company, Inc., assignor, by mesne assignments, to Holophane Company, Inc., New York, N. Y. Glass globes and reflectors for artificial light. 141,968; renewed May 3, 1941.
Howard Bros. Chemical Co., Buffalo, N. Y. Soap. 142,572; renewed May 17, 1941.
Humphreys, John M., doing business as Humphrey's Canning Co., Gulfport, Miss. Canned shrimp and canned oysters. 387,759; May 27; Serial No. 439,695; published Mar. 18, 1941. Class 46.
Hydril Company, Reno, Nev. Drill shaft coupling. 387,789; May 27. Class 23.
Indianapolis Glove Company, Indianapolis, Ind. Gloves and mittens. 143,053; renewed May 24, 1941.
Industrial Time Savers, Inc., New York, N. Y. Cigarette cases. 387,788; May 27. Class 8.
Inter-America Associates, Inc., New York, N. Y. Synthetic ozokerite. 387,670; May 27; Serial No. 436,847; published Mar. 18, 1941. Class 1.
International Vitamin Corp., New York, N. Y. Vitamin preparations, vitamin concentrates and the like. 387,739; May 27; Serial No. 439,344; published Mar. 18, 1941. Class 6.

Jordan Electrical Manufacturing Company, Minneapolis, Minn. Storage battery chargers. 387,747; May 27; Serial No. 439,467; published Mar. 11, 1941. Class 21.
Kendall Company, The, Walpole, Mass. Cheesecloth, gauze, bunting, etc. 387,797; May 27. Class 42.
Kenyon Instrument Co. Inc., Huntington Station, N. Y. Ammunition rounds counter assemblies for aircraft machine gun installations, marine speedometers, marine speedometer-logs, etc. 387,672; May 27; Serial No. 437,003; published Mar. 11, 1941. Class 26.
Kliewer, Wesley, doing business as Nevr-Stoop Basket Co., Reedley, Calif. Foldable wash basket. 387,781; May 27; Serial No. 440,335; published Mar. 18, 1941. Class 2.
Lady Esther Ltd., Chicago, Ill. Finger nail enamel and lipstick. 387,721; May 27; Serial No. 439,048; published Mar. 18, 1941. Class 6.
Lamont-Forbes Co. (See Polefsky, Jacob S.)
Laros, R. K., Silk Co., Bethlehem, Pa. Thrown silk. 142,004; renewed May 3, 1941.
Lax, James J., New York, N. Y. Metal cleaners. 387,737; May 27; Serial No. 439,307; published Mar. 18, 1941 Class 4.
Leggett, Francis H., & Company, New York, N. Y. Cigars. 387,740; May 27; Serial No. 439,349; published Mar. 18, 1941. Class 17.
LensBuilder Products Company. (See Harris, Edward H.)
LensKit Products Company. (See Harris, Edward H.)
Levine, Lawrence J., New York, N. Y. Electromagnetically operated switches. 387,633; May 27; Serial No. 431,167; published Mar. 18, 1941. Class 21
Lily of France Corset Company. (See Stern Brothers, assignors.)
Linco Products Corporation, Chicago, Ill. Periodical program skits for radio. 387,693; May 27; Serial No. 438,245; published Mar. 11, 1941. Class 38.
Lisner, D., & Co., Inc., New York, N. Y. Jewelry for personal wear. 387,741; May 27; Serial No. 439,351; published Mar. 11. 1941 Class 28.
Lossoe, Fred R. (See Pixine Chemical Company.)
Luscombe Airplane Corporation, West Trenton, N. J. Airplanes and airplane structural parts. 387,655; May 27; Serial No. 435,088; published Nov. 5, 1940. Class 19.
Madison Publishing Company, assignor to Adams Publishing Company, Chicago, Ill Daily scratch sheet. 387,611; May 27; Serial No. 392,806; published Aug. 3, 1937. Class 38.
McDonald, Herman M., Chicago, Ill. Underwear. 387,790; May 27. Class 39.
Mentholatum Company, The, Wichita, Kans., and Buffalo, N. Y., assignor to The Mentholatum Company, Buffalo, N. Y. Salve. 147,129; renewed Oct. 4, 1941.
Merrell, William S., Company, The, assignor, by mesne assignments, to The Wm. S. Merrell Company, Cincinnati, Ohio. Antiseptic vaginal suppositories. 142,032; renewed May 3, 1941.
Micromatic Hone Corporation, Detroit, Mich. Adjustable honing machines and for tools for adjusting the hones of honing machines. 387,734; May 27; Serial No. 439,293; published Mar. 11, 1941. Class 23.
Mid-West Tobacco Co., Cincinnati, Ohio. Smoking and chewing tobacco. 387,624; May 27; Serial No. 427,817; published Nov. 12, 1940. Class 17.
Milberg, Herman S., Inc., New York, N. Y. Dresses and coats. 387,791; May 27. Class 39.
Miller Company, The, Meriden, Conn. Electric table and floor lamps. 387,647; May 27; Serial No. 432,829; published Mar. 11, 1941. Class 21.
Miller's Auto Supplies, Inc., Harrisburg, Pa. Motor oil. 387,804; May 27. Class 15.
Milwaukee Boston Store, Inc. (See Herzfeld-Phillipson Company.)
Monitor Controller Company, Baltimore, Md. Switching and controlling devices for electric circuits. 387,635; May 27; Serial No. 431,784; published Mar. 11, 1941. Class 21.
Monteil, Germaine, Cosmetiques Corporation, New York, N. Y. Face powders. 387,754; May 27; Serial No. 439,591; published Mar. 18, 1941. Class 6.
Mutual Citrus Products Co. Inc., Anaheim, Calif. Carbonated, non-alcoholic beverage. 387,618; May 27; Serial No. 425,057; published Mar. 18, 1941. Class 45.
Nar-O Company. (See Banks, Charles.)
National Cash Register Company, The, Dayton, Ohio. Paper. 387,640–2; May 27; Serial Nos. 432,265–7; published Mar. 18, 1941. Class 37.
National Mineral Company, Chicago, Ill. Hair waving lotion. 387,792; May 27. Class 6.
National Silk Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. 387,786; May 27. Class 39.
Nemeroff, Victor. (See Galter, Jack, assignor.)
Nevr-Stoop Basket Co. (See Kliewer, Wesley.)
North American Newspaper Alliance, Inc., New York, N. Y. Newspaper feature or column. 387,735; May 27; Serial No. 439,294; published Mar. 18, 1941. Class 38.
O'Dell, Stephen O., Detroit, Mich. Salves for boils, carbuncles, felons, etc. 144,255; renewed June 28, 1941.
Omega Shoe Polish Co., Los Angeles, Calif. Shoe polish. 387,684; May 27; Serial No. 437,662; published Mar. 18, 1941. Class 4.
Oneita Knitting Mills, Utica, N. Y. Sweat shirt. 387,673; May 27; Serial No. 437,010; published Mar. 18, 1941. Class 39.
Optikotechna, společnost s r. o., Prešov. Prerov, Protectorate of Bohemia and Moravia. Photographic cameras, motion picture cameras, enlarging apparatus, projectors. 387,625–7; May 27; Serial Nos. 427,902–4; published Mar. 11, 1941. Class 26.
Patterson Publishing Company, Chicago, Ill. Section of a periodical. 387,723; May 27; Serial No. 439,124; published Mar. 4, 1941. Class 38.
Permanente Corporation, The, San Jose and Oakland, Calif. Building cement. 387,808; May 27. Class 12.
Phenix Manufacturing Company, Inc., Milwaukee, Wis. Screen window sash, storm window sash, combination doors, and screen doors. 387,638; May 27; Serial No. 432,152; published Mar. 4, 1941. Class 12.
Physicians & Hospitals Supply Co. Inc., doing business as Ulmer Pharmacal Company, Minneapolis, Minn. Non-inflammable window and glass cleaner. 387,694; May 27; Serial No. 438,281; published Mar. 18, 1941. Class 4.
Pitman, Alfred T., Atlanta, Ga. (See Pitman, Arthur R., assignor.)
Pitman, Arthur R., doing business as Arthur & Foster, Lynn, Mass., assignor to Alfred T. Pitman, Atlanta, Ga. Gas cooking stove. 387,681; May 27; Serial No. 437,481; published Mar. 18, 1941. Class 34.
Pixine Chemical Company, to F. R. Lossoe, doing business as Pixine Company, Troy, N. Y. Certain named ointment. 140,936; renewed Mar. 29, 1941.
Plee-Zing, Inc., Chicago, Ill. Washing and cleaning preparation. 387,669; May 27; Serial No. 436,778; published Mar. 18, 1941. Class 4.
Plee-Zing, Inc. (See Dilling & Company, assignor.)
Polefsky, Jacob S., doing business as Lamont-Forbes Co., Jersey City, N. J. Apple brandy. 387,639; May 27; Serial No. 432,196; published Aug. 20, 1940. Class 49.
Popper-Morson Co., Inc., Jersey City, N. J. Liqueur. 387,768; May 27; Serial No. 440,056; published Mar. 18, 1941. Class 49.
Popper-Morson Co., Inc., Jersey City, N. J. Rock and brandy. 387,769; May 27; Serial No. 440,057; published Mar. 18, 1941. Class 49.
Porcelain Enamel and Manufacturing Company of Baltimore, The, doing business as Porcelain Enamel and Manufacturing Company, Baltimore, Md. Porcelain enamel frits. 387,742; May 27; Serial No. 439,363; published Mar. 18, 1941. Class 1.
Prudential Insurance Company of America, The, Newark, N. J. Scripts for a series of commercial broadcasts 387,644; May 27; Serial No. 432,777; published Mar 11, 1941. Class 38.
Richards Chemical Works, The, Jersey City, N. J. Mothproofing compound. 387,773–4; May 27; Serial No. 440,212–13; published Mar. 18, 1941. Class 6.
Rite-Rite Mfg. Co., Chicago, Ill. Mechanical pencils and fountain pens. 387,744; May 27; Serial No. 439,418; published Mar. 18, 1941. Class 37.
Rolanda Modes, Inc., New York, N. Y. Women's and misses' dresses, coats, suits, etc. 387,677; May 27; Serial No. 437,251; published Mar. 18, 1941. Class 39.
Roper Bros., Inc., Winter Garden, Fla. Fresh citrus fruits. 387,716; May 27; Serial No. 438,905; published Mar. 18, 1941. Class 46.
Roxalin Flexible Lacquer Company, Inc., Elizabeth, N. J. Clear and pigmented lacquers, lacquer enamels and baking enamels. 387,761; May 27; Serial No. 439,830; published Mar. 18, 1941. Class 16.
Roxalin Flexiblé Lacquer Company, Inc., Elizabeth, N. J. Clear and pigmented urea formaldehyde varnishes and baking enamels. 387,762; May 27; Serial No. 439,832; published Mar. 18, 1941. Class 16.
Rubber Research Products Corporation, Jersey City, N. J. Prophylactic rubber articles. 387,798; May 27. Class 44.
Scalp-X Company. (See Yancey, Ernest.)
Scherr, George, Company, Brooklyn, N. Y. Magnetic parallels and V blocks for chucks. 387,634; May 27; Serial No. 431,499; published Mar. 18, 1941. Class 23.
Scientific Concrete Service Corporation, Washington, D. C. Prepared concrete. 387,613; May 27; Serial No. 412,160; published Mar. 11, 1941. Class 12.
Scott Paper Company, assignor to Scott Paper Company, Chester, Pa. Paper towels and paper napkins. 145,216; renewed July 26, 1941.
Seager Evans & Company Limited, London, England. Certain named distilled alcoholic liquors. 139,388; renewed Feb. 1, 1941.
Seagram, Joseph E., & Sons, Inc., Lawrenceburg, Ind. Gin and beverage containing gin. 387,649; May 27; Serial No. 433,412; published Mar. 18, 1941. Class 49.
Sears, Roebuck and Co., Chicago, Ill. Wallpaper-hangers' tool kits. 387,645; May 27; Serial No. 432,785; published Mar. 11, 1941. Class 23.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Substances having chemical and physiological properties relatively similar to and equivalent to ephedrine, etc. 387,763; May 27; Serial No. 439,838; published Mar. 18, 1941. Class 6.
Sherwin-Williams Company, The, Cleveland, Ohio. Synthetic resins. 387,756–7; May 27; Serial Nos. 439,669–70; published Mar. 18, 1941. Class 1.

Siegel Brothers Kiki Maid Koats, Inc., New York, N. Y. Coats and suits. 387,806; May 27. Class 39.
Smith & Hemenway Company, Inc., New York, N. Y., and Irvington, N. J., to Landon P. Smith, Inc., Irvington, N. J., successor. Box-openers, glass-cutters, nail-pullers, etc. 144,057–8; renewed June 21, 1941.
Smith, Landon P. (See Smith & Hemenway Company, Inc.)
Society of Chemical Industry in Basle, Basel, Switzerland. Medicinal preparation. 387,660; May 27; Serial No. 435,817; published Mar. 18, 1941. Class 6.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Liquid petrolatum. 387,775; May 27; Serial No. 440,216; published Mar. 18, 1941. Class 6.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Liquid petrolatum. 387,776–7; May 27; Serial Nos. 440,219–20; published Mar. 18, 1941. Class 6.
South Porto Rico Sugar Company, New York, N. Y., assignor to South Porto Rico Sugar Company, Ensenada, P. R. Sugar. 146,879; renewed Sept. 20, 1941.
Spice Mill Publishing Co., The, New York, N. Y. A monthly journel devoted to the interests of the coffee, tea, and allied trades. 143,748; renewed June 7, 1941.
Standard Insulation Company, East Rutherford, N. J. Coated or varnished paper. 387,752; May 27; Serial No. 439,497; published Mar. 18, 1941. Class 37.
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Apparatus for determining fluid pressure on surfaces, apparatus for determining torque in rotating equipments. 387,755; May 27; Serial No. 439,637; published Mar. 11, 1941. Class 26.
Stationers' Guild of America, Philadelphia, Pa. Adding machine, paper, address books, arch files, etc. 387,699; May 27; Serial No. 438,407; published Mar. 18, 1941. Class 37.
Stern Brothers, assignors, by mesne assignments, to Lily of France Corset Company, Inc., New York, N. Y. Corsets. 141,688; renewed Apr. 26, 1941.
Street & Smith Publications, Inc., New York, N. Y. Articles published at intervals. 387,666; May 27; Serial No. 436,740; published Mar. 11, 1941. Class 38.
Strong, John E., Oklahoma City, Okla. Sandwich composed of meat, bread, special sauce, etc. 387,616; May 27; Serial No. 423,621; published Mar. 18, 1941. Class 46.
Style Trend Fabrics, New York, N. Y. Goods in the piece. 387,803; May 27. Class 42.
Talking Book Corporation of America, Inc., The, New York, N. Y. Books adapted for use with phonograph records. 387,656; May 27; Serial No. 435,224; published Mar. 4, 1941. Class 38.
Teilis, Blanche M., Chicago, Ill. Scripts for a series of radio broadcasts. 387,676; May 27; Serial No. 437,186; published Mar. 11, 1941. Class 38.
Tennessee Eastman Corporation, Kingsport, Tenn. Hardwood distillates. 387,724; May 27; Serial No. 439,130; published Mar. 18, 1941. Class 6.
Thew Shovel Company, The, Lorain, Ohio. Power cranes. 387,801; May 27. Class 23.
Times Publishing Corporation, Beverly, Mass. Newspaper. 387,708; May 27; Serial No. 438,781; published Mar. 18, 1941. Class 38.
Tokheim Oil Tank and Pump Company, Fort Wayne, Ind. Hose nozzle control valve. 387,800; May 27. Class 13.
Trabert & Hoeffer Inc., New York, N. Y. Sapphires and precious stones. 387,686; May 27; Serial No. 437,920; published Mar. 11, 1941. Class 28.
Trabert & Hoeffer Inc., New York, N. Y. Rubies and precious stones. 387,687; May 27; Serial No. 437,921; published Mar. 11, 1941. Class 28.
Traver Corporation, Chicago, Ill. Wrappers. 387,629; May 27; Serial No. 428,774; published Mar. 18, 1941. Class 2.
Tribune Company, Chicago, Ill. Series of cartoons. 387,663; May 27; Serial No. 436,327; published Mar. 4, 1941. Class 38.
Tribune Company, Chicago, Ill. Series of cartoons. 387,679; May 27; Serial No. 437,293; published Mar. 4, 1941. Class 38.
Tribune Company, Chicago, Ill. Series of cartoons. 387,722; May 27; Serial No. 439,060; published Mar. 4, 1941. Class 38.
Ulmer Pharmacal Company. (See Physicians & Hospitals Supply Co. Inc.)
United States Leather Company, The, assignor, by mesne assignments, to The United States Leather Selling Corp., New York, N. Y. Sole-leather. 144,486; renewed July 5, 1941.
United States Paper Corp., Chicago, Ill. Color selector. 387,743; May 27; Serial No. 439,372; published Mar. 11, 1941. Class 26.
Varni, Caryl, New York, N. Y. Rouge, lip stick, skin lotion, etc. 387,612; May 27; Serial No. 393,787; published Aug. 8, 1939. Class 6.
Visible Leak Finder Co. (See Waldorf, John A.)
Waldorf, John A., doing business as Visible Leak Finder Co., Los Angeles, Calif. Leak finder fluid. 387,728; May 27; Serial No. 439,214; published Mar. 18, 1941. Class 6.
White, Everett H., doing business as White Manufacturing Company, St. Paul, Minn. Electrically operated heat regulators. 387,614; May 27; Serial No. 413,462; published Mar. 11, 1941. Class 26.
Willard Storage Battery Company, Cleveland, Ohio. Publication issued periodically. 387,662; May 27; Serial No. 436,294; published Mar. 14, 1941. Class 38.
Wilson Chemical Company, Inc., The, Tyrone, Pa. Salve for the treatment of cutaneous irritations, etc. 387,758; May 27; Serial No. 439,679; published Mar. 18, 1941. Class 6.
Witt, Harry L., doing business as Harry L. Witt and Company, Pittsburgh, Pa. Chemical vermin exterminator. 147,189; Oct. 4, 1941. Class 6.
Wolf, Charles A., doing business as Charles A. Wolf & Co., Philadelphia, Pa. Liniment. 147,190; renewed Oct. 4, 1941.
Woodward, Raymond W., West Hartford, Conn. Radio tuning instruments. 387,617; May 27; Serial No. 424,452; published Mar. 11, 1941. Class 21.
Wortendyke Manufacturing Co., Richmond, Va. Fillers, tablets, blank books, etc. 387,667; May 27; Serial No. 436,751; published Mar. 18, 1941. Class 37.
Wortendyke Manufacturing Co., Richmond, Va. Note books. 387,695; May 27; Serial No. 438,292; published Mar. 18, 1941. Class 37.
Wuichet Products, Inc., Dayton, Ohio. Mineral dairy cattle feed. 387,652; May 27; Serial No. 434,587; published Mar. 18, 1941. Class 46.
Yancey, Ernest, doing business as Scalp–X Company, Cleveland, Ohio. Scalp salve or ointment. 387,764; May 27; Serial No. 439,853; published Mar. 18, 1941. Class 6.
X. B. A. Chemical Company, Lexington, N. C. Foot and body powder. 387,766; May 27; Serial No. 439,885; published Mar. 4, 1941. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Chemical compounds known by the generic name nylon. E. I. du Pont de Nemours and Company. 387,746; May 27; Serial No. 439,460; published Mar. 18, 1941.
Frits, Porcelain enamel. Porcelain Enamel and Manufacturing Company. 387,742; May 27; Serial No. 439,363; published Mar. 18, 1941.
Ozokerite, Synthetic. Inter-America Associates, Inc. 387,670; May 27; Serial No. 436,847; published Mar. 18, 1941.
Resins, Synthetic. Sherwin-Williams Company. 387,756–7; May 27; Serial Nos. 439,669–70; published Mar. 18, 1941.
Seeds. D. F. Butler. 387,636; May 27; Serial No. 431,845; published Sept. 24, 1940.
Sole-leather. United States Leather Company. 144,486; renewed July 5, 1941.

CLASS 2

Basket, Foldable wash. W. Kliewer. 387,781; May 27; Serial No. 440,335; published Mar. 18, 1941.
Wrappers. Traver Corporation. 387,629; May 27; Serial No. 428,774; published Mar. 18, 1941.

CLASS 4

Cleaner, Non-inflammable window and glass. Physicians & Hospitals Supply Co. 387,694; May 27; Serial No. 438,281; published Mar. 18, 1941.
Cleaner, Wall paper. Cleveland Cleaner and Paste Co. 387,654; May 27; Serial No. 434,898; published Mar. 18, 1941.
Cleaners in liquid and paste form, Metal. J. J. Lax. 387,737; May 27; Serial No. 439,307; published Mar. 18, 1941.
Cleaning fluid kits containing liquid chemicals for removing spots, etc. D. I. Doyle. 387,697; May 27; Serial No. 438,380; published Mar. 11, 1941.
Polish, Shoe. Omega Shoe Polish Co. 387,684; May 27; Serial No. 437,662; published Mar. 18, 1941.
Soap. Howard Bros. Chemical Co. 142,572; renewed May 17, 1941.
Soaps. L. Fundler. 141,122; renewed Apr. 12, 1941.
Washing and cleaning preparation. Plee-Zing, Inc. 387,669; May 27; Serial No. 436,778; published Mar. 18, 1941.

CLASS 6

Antiseptic. B & M Company. 387,782; May 27; Serial No. 440,353; published Mar. 18, 1941.
Chemical vermin-exterminator. H. L. Witt. 147,189; renewed Oct. 4, 1941.
Chemicals, Photographic. Gasparcolor, Inc. 387,749; May 27; Serial No. 439,481; published Feb. 25, 1941.
Chemicals, Photographic. Gasparcolor, Inc. 387,751; May 27; Serial No. 439,483; published Feb. 25, 1941.
Colloidal dispersion suitable for water-proofing textiles. General Dyestuff Corporation. 387,780; May 27; Serial No. 440,329; published Mar. 18, 1941.

Cosmetics. Bo-Kay Perfume Co. 387,685; May 27; Serial No. 437,891; published Mar. 18, 1941.
Cream, skin oils, and astringents, Face. A. S. Alexander. 387,725; May 27; Serial No. 439,142; published Mar. 18, 1941.
Distillates, Hardwood. Tennessee Eastman Corporation. 387,724; May 27; Serial No. 439,130; published Mar. 18, 1941.
Enamel and lipstick, Finger nail. Lady Esther Ltd. 387,721; May 27; Serial No. 439,048; published Mar. 18, 1941.
Fluid, Leak finder. J. A. Waldorf. 387,728; May 27; Serial No. 439,214; published Mar. 18, 1941.
Gelatinous chemical. Haas-Miller Corp. 387,778; May 27; Serial No. 440,245; published Mar. 18, 1941.
Germicide. R. L. Crowe. 141,913; renewed May 3, 1941.
Liniment. C. A. Wolf. 147,190; renewed Oct. 4, 1941.
Lotion, Hair waving. National Mineral Company. 387,792; May 27.
Medicinal preparation. Anglo-French Laboratories, Inc. 387,783; May 27; Serial No. 440,402; published Mar. 18, 1941.
Medicinal preparation. Society of Chemical Industry in Basel. 387,660; May 27; Serial No. 435,817; published Mar. 18, 1941.
Medicines and pharmaceutical preparations for the treatment of the skin and scalp. Dome Chemicals, Inc. 387,771–2; May 27; Serial Nos. 440,190–1; published Mar. 18, 1941.
Mothproofing compound. Richards Chemical Works. 387,773–4; May 27; Serial Nos. 440,212–13; published Mar. 18, 1941.
Nail polish. Florid Co. 387,765; May 27; Serial No. 439,862; published Mar. 18, 1941.
Ointment. Pixine Chemical Company. 140,936; renewed Mar. 29, 1941.
Perfume extracts, toilet waters, face powders, etc. Cartier, Inc. 387,615; May 27; Serial No. 418,476; published Mar. 18, 1941.
Petrolatum, Liquid. Socony-Vacuum Oil Company. 387,775; May 27; Serial No. 440,216; published Mar. 18, 1941.
Petrolatum, Liquid. Socony-Vacuum Oil Company. 387,776–7; May 27; Serial Nos. 440,219–20; published Mar. 18, 1941.
Powder, Face. Germaine Monteil Cosmetiques Corporation. 387,754; May 27; Serial No. 439,591; published Mar. 18, 1941.
Powder, Foot and body. X. B. A. Chemical Company. 387,766; May 27; Serial No. 439,885; published Mar. 4, 1941.
Preparation for purifying the blood and skin infections. A. C. Crowe. 387,691; May 27; Serial No. 438,195; published Mar. 18, 1941.
Remedy for corns. J. B. Clower. 142,966; renewed May 24, 1941.
Rouge, lipstick, sachet, perfumes, etc. Babs Creations, Inc. 387,718; May 27; Serial No. 439,010; published Mar. 18, 1941.
Rouge, lipstick, skin lotion, etc. C. Varni. 387,612; May 27; Serial No. 393,787; published Aug. 8, 1939.
Salve, Mentholatum Company. 147,129; renewed Oct. 4, 1941.
Salve for boils, carbuncles, felons, etc. S. O. O'Dell. 144,255; renewed June 28, 1941.
Salve for the treatment of cutaneous irritations, etc. Wilson Chemical Company. 387,758; May 27; Serial No. 439,679; published Mar. 18, 1941.
Salve or ointment, Scalp. E. Yancey. 387,764; May 27; Serial No. 439,853; published Mar. 18, 1941.
Shampoo, Hair. William Cooper & Nephews, Incorporated. 387,770; May 27; Serial No. 440,084; published Mar. 18, 1941.
Shampoo, waving lotions, curling fluids, etc., Hair and scalp. C. Banks. 387,731; May 27; Serial No. 439,265; published Mar. 18, 1941.
Sodium mannuronate. Haas-Miller Corp. 387,779; May 27; Serial No. 440,246; published Mar. 18, 1941.
Substances having chemical and physiological properties relatively similar to and equivalent to ephedrine, etc. Sharp & Dohme, Incorporated. 387,763; May 27; Serial No. 439,838; published Mar. 18, 1941.
Suppositories, Vaginal. William S. Merrell Company. 142,032; renewed May 3, 1941.
Tints, hair dye, hair washes, etc., Hair. Clairol, Incorporated. 387,767; May 27; Serial No. 439,888; published Mar. 18, 1941.
Vitamin preparations, vitamin concentrates and the like. International Vitamin Corp. 387,739; May 27; Serial No. 439,344; published Mar. 18, 1941.

CLASS 8

Cigarette cases. Industrial Time Savers, Inc. 387,788; May 27.

CLASS 9

Pistols. Auto-Ordnance Corporation. 146,682; renewed Sept. 20, 1941.

CLASS 12

Brick, Insulating. Denver Fire Clay Company. 387,653; May 27; Serial No. 434,713; published Mar. 4, 1941.
Cement, Building. Permanente Corporation. 387,808; May 27.
Concrete, Prepared. Scientific Concrete Service Corporation. 387,613; May 27; Serial No. 412,160; published Mar. 11, 1941.
Panels, Architectural wall. Armstrong Cork Company. 387,622; May 27; Serial No. 426,513; published Mar. 11, 1941.
Roofing, bituminous roof cement, etc., Bituminous composition. Barber Asphalt Corporation. 387,623; May 27; Serial No. 427,492; published Mar. 11, 1941.
Sash, storm window sash, combination doors, and screen door, Screen window. Phenix Manufacturing Company. 387,638; May 27; Serial No. 432,152; published Mar. 4, 1941.
Woods and veneers, Mahogany. Freiberg Mahogany Company. 387,658; May 27; Serial No. 435,650; published Mar. 4, 1941.

CLASS 13

Dishes, towel bars, roll holders, etc., Soap. Autoyre Company. 387,711; May 27; Serial No. 438,788; published Mar. 18, 1941.
Nozzle control valve, Hose. Tokheim Oil Tank and Pump Company. 387,800; May 27.

CLASS 15

Oil, Motor. Miller's Auto Supplies, Inc. 387,804; May 27.
Oils and greases, Lubricating. Elco Grease and Oil Company. 387,690; May 27; Serial No. 438,070; published Mar. 4, 1941.

CLASS 16

Gas-black and carbon-black in bags. Binney & Smith Company. 147,072; renewed Oct. 4, 1941.
Lacquers, lacquer enamels, and baking enamels. Roxalin Flexible Lacquer Company. 387,761; May 27; Serial No. 439,830; published Mar. 18, 1941.
Paints. Dupli-Color Products Company. 387,689; May 27; Serial No. 437,999; published Mar. 18, 1941.
Paste, and ready-mixed paints, colors in oil, paint enamels, etc., Dry. Hampden Paint & Chemical Co. 140,821; renewed Mar. 29, 1941.
Varnishes and baking enamels. Roxalin Flexible Lacquer Company. 387,762; May 27; Serial No. 439,832; published Mar. 18, 1941.

CLASS 17

Cigars. Constantino Gonzalez y Cia. S. en C. 387,659; May 27; Serial No. 435,790; published Mar. 18, 1941.
Cigars. Francis H. Leggett & Company. 387,740; May 27; Serial No. 439,349; published Mar. 18, 1941.
Tobacco, little cigars, and cigarettes, Smoking. American Tobacco Company. 144,166; renewed June 28, 1941.
Tobacco, Smoking and chewing. Mid-West Tobacco Co. 387,624; May 27; Serial No. 427,817; published Nov. 12, 1940.

CLASS 19

Airplanes and airplane structural parts. Luscombe Airplane Corporation. 387,655; May 27; Serial No. 435,088; published Nov. 5, 1940.

CLASS 20

Linoleum, oil-cloth, and floor-coverings. Certain-Teed Products Corporation. 142,954; renewed May 24, 1941.

CLASS 21

Batteries, Storage. Globe-Union Inc. 387,665; May 27; Serial No. 436,692; published Mar. 18, 1941.
Battery chargers, Storage. Jordan Electrical Manufacturing Company. 387,747; May 27; Serial No. 439,467; Published Mar. 11, 1941.
Blades for electric fans. Holden-Soules, Inc. 387,787; May 27.
Electric fence charging apparatus and equipment. Babson Bros. Co. 387,726; May 27; Serial No. 439,190; published Mar. 11, 1941.
Electric wires and cables, Insulated. General Cable Corporation. 387,784; May 27.
Lamp fixtures, Fluorescent. Arrow Ca-Ta-Lite Company. 387,696; May 27; Serial No. 438,296; published Mar. 11, 1941.
Lamps and lighting units, Incandescent electric. Climax Reflector, Inc. 387,664; May 27; Serial No. 436,462; published Mar. 11, 1941.
Lamps, Electric bed. J. Galter. 387,807; May 27.
Lamps, Electric table and floor. Miller Company. 387,647; May 27; Serial No. 432,829; published Mar. 11, 1941.
Radio tuning instruments. R. W. Woodward. 387,617; May 27; Serial No. 424,452; published Mar. 11, 1941.
Switches, Electromagnetically operated. L. J. Levine. 387,633; May 27; Serial No. 431,167; published Mar. 18, 1941.
Switching and controlling devices for electric circuits. Monitor Controller Company. 387,635; May 27; Serial No. 431,784; published Mar. 11, 1941.
Vacuum cleaners, Electrical. D. I. Dewey. 387,698; May 27; Serial No. 438,381; published Mar. 11, 1941.

CLASS 22

Games. A. B. Chance Company. 387,678; May 27; Serial No. 437,270; published Mar. 18, 1941.

CLASS 23

Box-openers, glass-cutters, nail-pullers, etc. Smith & Hemenway Company. 144,057–8; renewed June 21, 1941.

Castings and machine parts, Iron and iron alloy. Denver Equipment Company. 387,671; May 27; Serial No. 436,923; published Mar. 11, 1941.
Cranes, Power. Thew Shovel Company. 387,801; May 27.
Drill shaft coupling. Hydril Company. 387,789; May 27.
Greasing cups, Automatic self-feeding. Ace Lubricating Equipment Co. 387,709; May 27; Serial No. 438,784; published Mar. 11, 1941.
Honing machine and for tools for adjusting the hones of honing machines, Adjustable. Micromatic Hone Corporation. 387,734; May 27; Serial No. 439,293; published Mar. 11, 1941.
Land leveling and material handling attachments for tractors. Bucyrus-Erie Company. 387,657; May 27; Serial No. 435,605; published Mar. 11, 1941.
Machines for drying or evaporating liquids, etc. Buffalo Foundry & Machine Co. 387,648; May 27; Serial No. 433,375; published Mar. 18, 1941.
Meat and bone cutting machines. All American Meat & Bone Cutter Co. 387,701; May 27; Serial No. 438,564; published Mar. 11, 1941.
Mowers, Lawn. Dille & McGuire Mfg. Co. 387,713; May 27; Serial No. 438,872; published Mar. 18, 1941.
Parallels and V blocks for chucks, Magnetic. George Scherr Company. 387,634; May 27; Serial No. 431,499; published Mar. 18, 1941.
Razors and razor blades. American Safety Razor Corporation. 387,796; May 27.
Rolls for rolling mills, Finishing. Birdsboro Steel Foundry and Machine Company. 387,727; May 27; Serial No. 439,193; published Mar. 18, 1941.
Tool kits, Wallpaper-hangers'. Sears, Roebuck and Co. 387,645; May 27; Serial No. 432,785; published Mar. 11, 1941.
Weeders, Rotary. Calkins Manufacturing Company. 387,700; May 27; Serial No. 438,500; published Mar. 11, 1941.
Wrenches, boring kits, punches, etc. Flexible Steel Lacing Company. 387,650; May 27; Serial No. 433,564; published Mar. 11, 1941.

CLASS 26

Ammunition rounds counter assemblies for aircraft machine gun installations. Kenyon Instrument Co. Inc. 387,672; May 27; Serial No. 437,003; published Mar. 11, 1941.
Apparatus for determining fluid pressure on surfaces, apparatus for determining torque in rotating equipment. Standard Oil Company of California. 387,755; May 27; Serial No. 439,637; published Mar. 11, 1941.
Cameras, motion picture cameras, enlarging apparatus, and projectors, Photographic. Optikotechna, společnost s. r. o., Prefov. 387,625–7; May 27; Serial Nos. 427,902–4; published Mar. 11, 1941.
Charts for use in calculating the life of brake linings. S. F. Dupree, Jr. 387,646; May 27; Serial No. 432,811; published Mar. 11, 1941.
Color selector. United States Paper Corp. 387,743; May 27; Serial No. 439,372; published Mar. 11, 1941.
Heat regulators, Electrically operated. E. H. White. 387,614; May 27; Serial No. 413,462; published Mar. 11, 1941.
Lenses and parts sold unassembled. E. H. Harris. 387,794–5; May 27.
Louver controls, Automatic thermally operated airplane engine cooling. Aeronautical Manufacturing Corporation. 387,630; May 27; Serial No. 429,639; published Mar. 18, 1941.
Photographic materials, Sensitized. Gasparcolor, Inc. 387,748; May 27; Serial No. 439,480; published Mar. 18, 1941.
Photographic materials, Sensitized. Gasparcolor, Inc. 387,750; May 27; Serial No. 439,482; published Mar. 18, 1941.
Spectacle frames and optical frames and mountings. Cortne Optical Co. 387,745; May 27; Serial No. 439,459; published Mar. 11, 1941.

CLASS 27

Watches. Bulova Watch Company. 387,729; May 27; Serial No. 439,221; published Mar. 18, 1941.

CLASS 28

Jewelry for personal wear. D. Lisner & Co. 387,741; May 27; Serial No. 439,351; published Mar. 11, 1941.
Rubies and precious stones. Trabert & Hoeffer Inc. 387,687; May 27; Serial No. 437,921; published Mar. 11, 1941.
Sapphires and precious stones. Trabert & Hoeffer Inc. 387,686; May 27; Serial No. 437,920; published Mar. 11, 1941.

CLASS 32

Bathing devices—namely, tables, shower enclosures, and bathing hammocks, etc. Allied Stores Corporation. 387,661; May 27; Serial No. 436,159; published Mar. 11, 1941.
Furniture, living room, dining room, bedroom, etc. Allied Stores Corporation. 387,682; May 27; Serial No. 437,541; published Mar. 18, 1941.

CLASS 33

Glass globes and reflectors. Holophane Glass Company, Inc. 141,968; renewed May 3, 1941.

CLASS 34

Furnaces, Industrial. Chicago Flexible Shaft Company. 387,793; May 27.
Stove, Gas cooking. A. R. Pitman. 387,681; May 27; Serial No. 437,481; published Mar. 18, 1941.

CLASS 36

Musical instruments, woodwind and metal wind instruments, etc., Stringed. Dorn & Kirschner Band Instrument Co. 387,668; May 27; Serial No. 436,760; published Mar. 11, 1941.
Radio and automatic phonographs, Combination. Farnsworth Television & Radio Corporation. 387,805; May 27.

CLASS 37

Fillers, tablets, blank books, etc. Wortendyke Manufacturing Co. 387,667; May 27; Serial No. 436,751; published Mar. 18, 1941.
Note books. Wortendyke Manufacturing Co. 387,695; May 27; Serial No. 438,292; published Mar. 18, 1941.
Paper. National Cash Register Company. 387,640–2; May 27; Serial Nos. 432,265–7; published Mar. 18, 1941.
Paper, address books, arch files, etc., Adding machine. Stationers' Guild of America. 387,699; May 27; Serial No. 438,407; published Mar. 18, 1941.
Paper, coated or varnished. Standard Insulation Company. 387,752; May 27; Serial No. 439,497; published Mar. 18, 1941.
Paper, cover paper, box covering paper, Blotting. District of Columbia Paper Mills, Inc. 387,733; May 27; Serial No. 439,270; published Mar. 18, 1941.
Paper towels and paper napkins. Scott Paper Company. 145,216; renewed July 26, 1941.
Paper, Wrapping and cover. Detroit Sulphite Pulp & Paper Co. 387,738; May 27; Serial No. 439,334; published Mar. 18, 1941.
Pencils and fountain pens, Mechanical. Rite-Rite Mfg. Co. 387,744; May 27; Serial No. 439,418; published Mar. 18, 1941.

CLASS 38

Articles published at intervals. Street & Smith Publications, Inc. 387,666; May 27; Serial No. 436,740; published Mar. 11, 1941.
Books adapted for use with phonograph records. Talking Book Corporation of America, Inc. 387,656; May 27; Serial No. 435,224; published Mar. 4, 1941.
Cartoons, Series of. Associated Press. 387,712; May 27; Serial No. 438,827; published Mar. 4, 1941.
Cartoons, Series of. Tribune Company. 387,663; May 27; Serial No. 436,327; published Mar. 4, 1941.
Cartoons, Series of. Tribune Company. 387,679; May 27; Serial No. 437,293; published Mar. 4, 1941.
Cartoons, Series of. Tribune Company. 387,722; May 27; Serial No. 439,060; published Mar. 4, 1941.
Journal, Monthly. Spice Mill Publishing Co. 143,748; renewed June 7, 1941.
Magazine, Monthly. Crowell-Collier Publishing Company. 387,732; May 27; Serial No. 439,268; published Mar. 18, 1941.
Magazine or periodical issued monthly. D. C. Alford. 387,674; May 27; Serial No. 437,022; published Mar. 4, 1941.
Magazines, periodicals, monthly house organ, etc., Monthly. Eastman Kodak Company. 387,692; May 27; Serial No. 438,237; published Mar. 4, 1941.
Newspaper. Times Publishing Corporation. 387,708; May 27; Serial No. 438,871; published Mar. 18, 1941.
Newspaper feature or column. North American Newspaper Alliance, Inc. 387,735; May 27; Serial No. 439,294; published Mar. 18, 1941.
Prints, Photographic. R. Crawford. 387,637; May 27; Serial No. 432,026; published Mar. 4, 1941.
Program skits for radio, Periodical. Linco Products Corporation. 387,693; May 27; Serial No. 438,245; published Mar. 11, 1941.
Publication issued periodically. Willard Storage Battery Company. 387,662; May 27; Serial No. 436,294; published Mar. 4, 1941.
Scripts for a series of commercial broadcasts. Colgate-Palmolive-Peet Company. 387,643; May 27; Serial No. 432,425; published Mar. 11, 1941.
Scripts for a series of commercial broadcasts. Prudential Insurance Company of America. 387,644; May 27; Serial No. 432,777; published Mar. 11, 1941.
Scripts for a series of radio broadcasts. B. M. Tellis. 387,676; May 27; Serial No. 437,186; published Mar. 11, 1941.
Section of a periodical. Pattern Publishing Company. 387,723; May 27; Serial No. 439,124; published Mar. 4, 1941.
Sheet, Daily scratch. Madison Publishing Company. 387,611; May 27; Serial No. 392,806; published Aug. 3, 1937.
Sheet music. Columbia Recording Corporation. 387,631; May 27; Serial No. 429,841; published Mar. 4, 1941.

CLASS 39

Clothing. Herzfeld-Phillipson Company. 143,643; renewed June 7, 1941.
Coats and suits. Siegel Brothers Kiki Maid Koats, Inc. 387,806; May 27.
Corsets. Herzfeld-Phillipson Company. 143,642; renewed June 7, 1941.

Corsets. Stern Brothers. 141,688; renewed Apr. 26, 1941.
Dresses and coats. H. S. Milberg Inc. 387,791; May 27.
Dresses, coats, suits and fur coats, etc. J. Berkman. 387,719; May 27; Serial No. 439,012; published Mar. 18, 1941.
Dresses, coats, suits, etc. Bentley Dresses, Inc. 387,785; May 27.
Dresses, coats, suits, etc. Rolanda Modes, Inc. 387,677; May 27; Serial No. 437,251; published Mar. 18, 1941.
Garments, Packaged children's and infants'. Earnshaw Knitting Company. 387,736; May 27; Serial No. 439,303; published Mar. 18, 1941.
Gloves and mittens. Indianapolis Glove Company. 143,053; renewed May 24, 1941.
Hosiery. National Silk Hosiery Mills, Inc. 387,786; May 27.
Shirt, Sweat. Oneita Knitting Mills. 387,673; May 27; Serial No. 437,010; published Mar. 18, 1941.
Underwear. H. M. McDonald. 387,790; May 27.

CLASS 40

Ribbon bows. General Ribbon Mills, Inc. 387,753; May 27; Serial No. 439,543; published Mar. 18. 1941.

CLASS 42

Cheesecloth, gauze, bunting, etc. Kendall Company. 387,797; May 27.
Corduroy piece goods. Brookhaven Textiles, Inc. 387,683; May 27; Serial No. 437,642; published Mar. 18, 1941.
Curtains, drapes, valances, etc. Forster Textile Mills, Inc. 387,651; May 27; Serial No. 434,437; published Mar. 18, 1941.
Fabrics made of silk, rayon, cotton, etc. Cheney Brothers. 387,632; May 27; Serial No. 431,146; published Mar. 18, 1941.
Goods in the piece. Style Trend Fabrics. 387,803; May 27.
Piece goods. Britton Fabrics. 387,730; May 27; Serial No. 439,248; published Mar. 18, 1941.
Piece goods. Cameo Fabrics. 387,802; May 27.

CLASS 43

Silk, Thrown. R. K. Laros Silk Co. 142,004; renewed May 3, 1941.
Yarns, Hosiery. Grove Silk Company. 387,799; May 27.

CLASS 44

Impression paste for obtaining equalization of tissue compression in full denture impressions. Coe Laboratories, Inc. 387,628; May 27; Serial No. 428,149; published Mar. 18, 1941.
Prophylactic rubber articles. Rubber Research Corporation. 387,798; May 27.
Surgical and dental scissors and pliers. Henkel-Clauss Company. 387,809; May 27.

CLASS 45

Beverage, Carbonated, non-alcoholic. Mutual Citrus Products Co. 387,618; May 27; Serial No. 425,057; published Mar. 18, 1941.
Beverage sold as a soft drink and concentrate for making the same, Maltless. Gurachs Food Products, Inc. 387,702; May 27; Serial No. 438,571; published Mar. 18, 1941.

CLASS 46

Beef, lamb, and pork, canned meat, etc., Chilled and frozen. Compañia Sansinena, Sociedad Anonima (Carnes y Derivados). 387,619–20; May 27; Serial Nos. 425,880–1; published Mar. 18, 1941.
Beef, lamb, and pork, canned meat, etc., Chilled and frozen. Compañia Sansinena, Sociedad Anonima (Carnes y Derivados). 387,621; May 27; Serial No. 425,883; published Mar. 18, 1941.
Biscuits and crackers. Grocers Biscuit Company. 142,272; renewed May 10, 1941.
Candy. F. W. Amend Co. 387,688; May 27; Serial No. 437,986; published Mar. 11, 1941.
Candy tablets, Coffee flavored. Cocilana, Inc. 387,680; May 27; Serial No. 437,464; published Mar. 18, 1941.
Candy, Taffy. Dilling & Company. 145,348; renewed Aug. 2, 1941.
Canned shrimp and canned oysters. J. M. Humphreys. 387,759; May 27; Serial No. 439,695; published Mar. 18, 1941.
Canned vegetables and fruits and tomato paste. H & H Grocery Co. 387,715; May 27; Serial No. 438,882; published Mar. 18, 1941.
Coffee. F. H. Gibson. 142,268; renewed May 10, 1941.
Corn-sugar. Corn Products Refining Company. 146,973; renewed Sept. 27, 1941.
Feed, Mineral dairy cattle. Wuichet Products, Inc. 387,652; May 27; Serial No. 434,587; published Mar. 18, 1941.
Food, Dog. P. Fischer. 387,704; May 27; Serial No. 438,649; published Mar. 18, 1941.
Food products, namely coffee. Flavorstar Mfg. Co. 387,714; May 27; Serial No. 438,875; published Mar. 18, 1941.
Fruits, Citrus. Roper Bros., Inc. 387,716; May 27; Serial No. 438,905; published Mar. 18, 1941.
Honey. D. F. Barnes. 387,707; May 27; Serial No. 438,754; published Mar. 18, 1941.
Sandwich composed of meat, bread, special sauce, etc. J. E. Strong. 387,616; May 27; Serial No. 423,621; published Mar. 18, 1941.
Sugar. South Porto Rico Sugar Company. 146,879; renewed Sept. 20, 1941.
Vegetables, fresh citrus fruits, and fresh deciduous fruits, Fresh. D. J. Fletcher. 387,717; May 27; Serial No. 438,925; published Mar. 18, 1941.
Wafers and discs, Hardtack. H. E. Bjorlin. 387,703; May 27; Serial No. 438,644; published Mar. 18, 1941.

CLASS 48

Beer. Boscobel Brewing Co. 387,720; May 27; Serial No. 439,039; published Mar. 4, 1941.

CLASS 49

Alcoholic liquors, Distilled. Seager Evans & Company Limited. 139,388; renewed Feb. 1, 1941.
Brandy, Apple. J. S. Polefsky. 387,639; May 27; Serial No. 432,196; published Aug. 20, 1940.
Gin and beverage containing gin. J. E. Seagram & Sons, Inc. 387,649; May 27; Serial No. 433,412; published Mar. 18, 1941.
Gin, whiskey, rum, etc. Joseph S. Finch and Company. 387,760; May 27; Serial No. 439,752; published Mar. 18, 1941.
Liqueur. Popper-Morson Co. 387,768; May 27; Serial No. 440,056; published Mar. 18, 1941.
Rock and brandy. Popper-Morson Co. 387,769; May 27; Serial No. 440,057; published Mar. 18, 1941.
Whiskey. Hirsch Distilling Company. 387,705; May 27; Serial No. 438,654; published Mar. 18, 1941.

CLASS 50

Advertising signs of metal, Non-electrical. American Art Works, Inc. 387,710; May 27; Serial No. 438,785; published Mar. 18, 1941.
Hangers, hose stretcher forms, and sweater dryer forms, Garment. L. F. Ansbacher. 387,706; May 27; Serial No. 438,749; published Mar. 18, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF MAY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Dorr Company, The. (See Kepper, Henry, assignor.)
General Electric Company. (See Verrall, Victor E., assignor.)
Hoover Company, The. (See Schug, Howard L., assignor.)
Horrocks, Walter E., Lakewood, Ohio. Self-contained thrust bearing. Re. 21,810; May 27.
Kepper, Henry, Voorburg, Netherlands, assignor to The Dorr Company, Inc., New York, N. Y. Thickening, stirring or agitating apparatus. Re. 21,811; May 27.
Schug, Howard L., assignor to The Hoover Company, North Canton, Ohio. Absorption refrigerating apparatus. Re. 21,812; May 27.
Verrall, Victor E., Upper Providence Township, Delaware County, Pa., assignor to General Electric Company. Electro-responsive device. Re. 21,813; May 27.

LIST OF PLANT PATENTEES

Fitzgerald, Charles L., Hawthorne, Calif. Rose. 467; May 27.
Fitzgerald, Charles L., Hawthorne, Calif. Rose. 468; May 27.
Fitzgerald, Charles L., Hawthorne, Calif. Rose. 469; May 27.

LIST OF DESIGN PATENTEES

Adkin, Arlene R. (See Bradley, E., Adkin, and Clearihue.)
Aluminum Cooking Utensil Company, The. (See Keller, Nicholas W., assignor.)
Andres, Lloyd J., Chicago, Ill., assignor to Automatic Instrument Company, Grand Rapids, Mich. Multiple turntable phonograph. 127,495; May 27.
Automatic Instrument Company. (See Andres, Lloyd J., assignor.)
Banta, Guy J., Los Angeles, Calif. Container. 127,477; May 27.
Bates, Hamilton C., Chester, Conn. Manicure case. 127,513; May 27.
Belspel, Herman, New York, N. Y. Dress or similar article. 127,548; May 27.
Belspel, Herman, New York, N. Y. Dress or similar article. 127,549; May 27.
Belspel, Herman, New York, N. Y. Dress or similar article. 127,550; May 27.
Bergman, Gus E., Columbus, Nebr. Shoe. 127,514; May 27.
Boone, Robert J. (See House, Samuel G., assignor.)
Bradbury, William T., Millersport, assignor to Newark Stove Company, Newark, Ohio. Combined lamp, timer and condiment holders for ranges. 127,515; May 27.
Bradley, Eva, A. R. Adkin, and J. B. Clearihue, Victoria, British Columbia, Canada. Badge. 127,447; May 27.
Brown-Forman Distillery Company. (See Brown, Owsley, assignor.)
Brown, Owsley, assignor to Brown-Forman Distillery Company, Louisville, Ky. Bottle. 127,478; May 27.
Buckingham, John D., assignor to Lucien Lelong, Inc., Chicago, Ill. Cologne bottle or similar article. 127,479; May 27.
Capellazzi, Gildo, Brooklyn, N. Y. Brooch or similar article. 127,438; May 27.
Carlson, Lester A., Pittsburgh, Pa., assignor to Scovill Manufacturing Company, Waterbury, Conn. Hose coupling. 127,470; May 27.
Carter's Ink Company, The. (See Kendrick, Laurence W., assignor.)
Chernow, Michael, New York, N. Y. Alphabet for forming monograms or similar articles. 127,516; May 27.
Circle-Lite Corp. (See Mandryl, Joseph J., assignor.)
Clearihue, Joseph B. (See Bradley, E., Adkin, and Clearihue.)
Cleveland, John O. (See Sears, R. E., and Cleveland.)
Cohen, Max, Brooklyn, N. Y. Dress or similar article. 127,551; May 27.
Cohn & Rosenberger Inc. (See Pauzat, Charles E., assignor.)
Cohn & Rosenberger Inc. (See Verrecchio, Gene, assignor.)
Coller, Claude, New York, N. Y. Coin bank or similar article. 127,448; May 27.
Corcoran, Leonard C., University Heights, Ohio. Portable lap table. 127,480; May 27.
Cummings, Israel, New York, N Y Textile fabric. 127,496; May 27.
Cummings, Israel, New York, N. Y. Textile fabric. 127,497; May 27.
Cutler-Hammer, Inc. (See Stevens, Clifford B., assignor.)
Debway Hats, Inc. (See Ross, Irving H., assignor.)
Douthat, Edward M., assignor to Locke Stove Company, Kansas City, Mo. Stove. 127,471; May 27.
Eaton, Claude S., North Hollywood, Calif. Drive-in service building. 127,532; May 27.
Edson, Bert, Pawtucket, R. I. Lace. 127,544; May 27.
Exhibit Supply Company. (See Meyer, John F., assignor.)
Faries Manufacturing Company. (See Livers, John F., assignor.)
Ferri, Henry J., Port Richmond, Staten Island, assignor to The Lionel Corporation, New York, N. Y. Toy log loading device. 127,481; May 27.
Fisher, Arthur J., Sacramento, Calif. Building. 127,439; May 27.
Forsyth, Benjamin F. (See Wesling, Louis, assignor.)
Fowler, Mary A., Richmond, Va. Combination domestic water heater and food warmer. 127,517; May 27.
Franck, Kurt, Newark, assignor to Holophane Company, Inc., New York, N. Y. Refracting bowl for direct lighting luminaires. 127,482; May 27.
Freedman, William J., assignor to Hollywood Rogue Sportswear, Inc., Los Angeles, Calif. Shirt or similar garment. 127,533; May 27.
Freudenberg, Ernest W., Larchmont, N. Y. Embroidered textile fabric or similar article. 127,472; May 27.
Frost, Willis H., Jamaica, N. Y. Game board. 127,449; May 27.
General Electric Company. (See Petzold, William B., assignor.)
General Electric Company. (See Terpak, Anthony.)
Goldberg, Irving, Brooklyn, N. Y. Brooch. 127,450; May 27.
Goldblatt, Henry J., Chicago, Ill. Combined washing machine and wringer. 127,498; May 27.
Goldblatt, Henry J., Chicago, Ill. Combined washing machine and wringer. 127,499; May 27.
Goldstein-Poland Co. (See Poland, James J., assignor.)
Greene, Beatrice, New York, N. Y. Dress. 127,552; May 27.
Greene, Beatrice, New York, N. Y. Dress. 127,553; May 27.
Grossman, Murry, New York, N. Y. Embroidered trimming. 127,545; May 27.
Hallbauer, Otto, West Englewood, N. J. Embroidered textile fabric or similar article. 127,518; May 27.
Hardgrove, Wallace J., Jr. (See Scott, J. H., Jr., and Hardgrove.)
Heisey, A. H., & Company. (See Heisey, T., Clarence, assignor.)
Heisey, T., Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Glass statuette or article of similar nature. 127,473; May 27.
Heidmann, Ernest J., assignor to Taylor Instrument Companies, Rochester, N. Y. Electric contact thermometer. 127,500; May 27.
Henry, Aline, New York, N. Y. Dress. 127,534; May 27.
Hettrick Manufacturing Company, The. (See Smith, William L., assignor.)
Higier, Julius A., Johnstown, N. Y. Glove. 127,535; May 27.
Hodgman, Clare E., assignor to Sears, Roebuck and Co., Chicago, Ill. Refrigerator cabinet. 127,451; May 27.
Hodgman, Clare E., assignor to Sears, Roebuck and Co., Chicago, Ill. Refrigerator cabinet. 127,452; May 27.
Holden, Orloff W., assignor to Knickerbocker Rubber Company, Chicago, Ill. Faucet strainer. 127,474; May 27.

Hollywood Rogue Sportswear, Inc. (See Freedman, William J., assignor.)
Holophane Company. (See Franck, Kurt, assignor.)
Horblit, Etta M., Roxbury, Mass. Dress ensemble. 127,519; May 27.
House, Samuel G., assignor to R. J. Boone, Miami, Fla. Electric light fixture. 127,475; May 27.
Hyland, Matthew P., Rye, N. Y. Hat. 127,536; May 27.
Jackson, Nellie B., New York, N. Y. Crocheted badge. 127,440; May 27.
Jacobs, Louis, Stevens Point, Wis. Phonograph cabinet. 127,483; May 27.
Johnnides, Providence, Woodside, Long Island, N. Y. Pin or analogous article. 127,537; May 27.
Jorgensen, Clarence W., Chicago, Ill. Flowerpot assembly. 127,441; May 27.
Kaperst, Philip, New York, N. Y. Dress. 127,554; May 27.
Kaperst, Philip, New York, N. Y. Dress. 127,555; May 27.
Katz, Russell, Hamilton, Ohio. Autographic register. 127,476; May 27.
Kaufman, Solomon, New York, N. Y., assignor to Frank Morrow Co., Inc., Providence, R. I. Jewelry finding. 127,442; May 27.
Keller, Nicholas W., Arnold, assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa. Teakettle or similar article. 127,453; May 27.
Kendrick, Laurence, W., Wellesley, assignor to The Carter's Ink Company, Cambridge, Mass. Stamp pad box. 127,501; May 27.
Kevorkian, Joseph D., Philadelphia, Pa. Plastic knife. 127,520; May 27.
Kilgore, Phillip A., Lynn, Mass. Trousers hanger. 127,484; May 27.
Kinnear Manufacturing Company, The. (See McCloud, Edward H., assignor.)
Knickerbocker Rubber Company. (See Holden, Orloff W., assignor.)
Koehne, John L., New York, N. Y. Textile fabric. 127,502; May 27.
Koehne, John L., New York, N. Y. Textile fabric. 127,503; May 27.
Koehne, John L., New York, N. Y. Textile fabric. 127,504; May 27.
Kurtz, Samuel, Great Neck, N. Y. Collar. 127,538; May 27.
Landwehr, Richard F., Laurelton, assignor to Sagamor Metal Goods Corporation, New York, N. Y. Combined cigarette case and lighter. 127,485; May 27.
L'Anglais, Pascal, New York, N. Y., assignor to Mayer China Company, Beaver Falls, Pa. Plate or similar article. 127,486; May 27.
Laye, Florence, New York, N. Y. Dress. 127,487; May 27.
Lee, Walter J., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Tire. 127,521; May 27.
Lelong, Lucien, Inc. (See Buckingham, John D., assignor.)
Leser, Tina, New York, N. Y. Hat. 127,539; May 27.
Levin, David, Brooklyn, N. Y. Serving tray. 127,454; May 27.
Lewine, Charles G., Philadelphia, Pa. Handbag or similar article. 127,462; May 27.
Lionel Corporation, The. (See Ferri, Henry J., assignor.)
Livers, John F., assignor to Farles Manufacturing Company, Decatur, Ill. Fluorescent table lamp. 127,488; May 27.
Locke Stove Company. (See Douthat, Edward M., assignor.)
Lowe, Joe, Corporation. (See Thomas, Norman M., assignor.)
Matouf, Joseph T., San Francisco, Calif. Slip. 127,455; May 27.
Mandryl, Joseph J., assignor to Circle-Lite Corp., Long Island City, N. Y. Lighting fixture. 127,489; May 27.
Marks, Harry, Lawrence, N. Y. Goblet or similar article. 127,443; May 27.
Marks, Harry, Lawrence, N. Y. Goblet or similar article. 127,456; May 27.
Mayer China Company. (See L'Anglais, Pascal, assignor.)
McCloud, Edward H., assignor to The Kinnear Manufacturing Company, Columbus, Ohio. Grille. 127,444; May 27.
McLaughlin, Laurence V., Detroit, Mich., assignor to National Display Ads, Inc., Madison, Wis. Automobile body. 127,522; May 27.
Meyer, John F., assignor to Exhibit Supply Company, Chicago, Ill. Amusement machine cabinet. 127,457; May 27.
Morrow, Frank, Co. (See Kaufman, Solomon, assignor.)
National Display Ads, Inc. (See McLaughlin, Laurence V., assignor.)
Nerbas, Herman R., Roseburg, Oreg. Reversible dental retractor. 127,463; May 27.
Newark Stove Company. (See Bradbury, William T., assignor.)
Owens-Illinois Glass Company. (See Strand, Bert F., Jr., assignor.)
Pauzat, Charles E., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 127,445; May 27.
Payne, Ruth, New York, N. Y. Hat. 127,540; May 27.
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Match folder case. 127,490; May 27.
Poland, James J., assignor to Goldstein-Poland Co., Inc., Providence, R. I. Pin. 127,464; May 27.
Potter, Clare, West Nyack, N. Y. Dress. 127,556; May 27.
Rechlin, Gustav A., Chicago, Ill. Finger-rest container. 127,491; May 27.
Reed & Barton. (See Turner, George L., assignor.)
Rosen, Arthur, New York, N. Y. Dress ensemble. 127,465; May 27.
Rosen, Arthur, New York, N. Y. Dress ensemble. 127,505; May 27.
Ross, Irving H., Hunter, assignor to Debway Hats, Inc., New York, N. Y. Hat or similar article. 127,557; May 27.
Ross, Willard J., Los Angeles, Calif. Advertising display sign. 127,508; May 27.
Rothenberg, James J., New York, N. Y. Dress. 127,541; May 27.
Rothenberg, James J., New York, N. Y. Dress. 127,542; May 27.
Rubinstein, David, New York, N. Y. Knitted sweater. 127,546; May 27.
Russell, William J., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Electric iron handle. 127,506; May 27.
Russell, William J., assignor to Westinghouse Electric & Manufacturing Company. Electric iron handle. 127,507; May 27.
Sacchetti, Gino, Quincy, Mass. Picture frame. 127,492; May 27.
Safier, David, University Heights, Ohio. Combination cigar cabinet and cigarette dispensing machine. 127,493; May 27.
Sagamor Metal Goods Corporation. (See Landwehr, Richard F., assignor.)
Sager, Abraham, Chicago, Ill. Finger ring. 127,466; May 27.
Scott, John H., Jr., Rockville Center, and W. J. Hardgrove, Jr., Freeport, N. Y. Molded frame for pictures and like articles. 127,458; May 27.
Scovill Manufacturing Company. (See Carlson, Lester A., assignor.)
Sears, Richard E., and J. O. Cleveland, assignors to Willard Storage Battery Company, Cleveland, Ohio. Battery terminal connector. 127,509; May 27.
Sears, Roebuck and Co. (See Hodgman, Clare E., assignor.)
Segerman, Louis, Brooklyn, N. Y. Child's sleeping bag or similar article. 127,523; May 27.
Segerman, Louis, Brooklyn, N. Y. Child's sleeping bag or similar article. 127,524; May 27.
Segerman, Louis, Brooklyn, N. Y. Child's sleeping bag or similar article. 127,525; May 27.
Sherman, Sylvia, New York, N. Y. Textile fabric. 127,467; May 27.
Sherrill, Burl E., Peru, Ind. Auto compass. 127,510; May 27.
Shyvers, Ken C., Seattle, Wash. Telephonic music selector apparatus. 127,511; May 27.
Skipp, Herbert J. A., East Providence, R. I., assignor to Uncas Manufacturing Company. Finger ring. 127,526; May 27.
Smith, Edith P., Berkeley, Calif. Spoon. 127,527; May 27.
Smith, William I., Goshen, Ind., assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Glider. 127,459; May 27.
Steiner, Ernest, New York, N. Y. Brooch or similar article. 127,468; May 27.
Stevens, Clifford B., Fox Point, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electrical appliance plug connector. 127,512; May 27.
Strand, Bert F., Jr., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Spoon. 127,543; May 27.
Sutton, Joseph A., New York, N. Y. Lace. 127,547; May 27.
Taylor Instrument Companies. (See Heldmann, Ernest J.)
Terpak, Anthony, Pittsfield, Mass., assignor to General Electric Company. Shoe heel. 127,528; May 27.
Thomas, Norman M., Medford, N. J., assignor to Joe Lowe Corporation, New York, N. Y. Confectionery product. 127,460; May 27.
Turner, George L., assignor to Reed & Barton, Taunton, Mass. Spoon or similar article. 127,529; May 27.
Uncas Manufacturing Company. (See Skipp, Herbert J. A., assignor.)
Verrecchio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 127,446; May 27.
Vivaudou, Jean E., New York, N. Y. Combined sachet ball and holders therefor. 127,469; May 27.
Walters, Lewis, New York, N. Y. Blade for paper box opener. 127,530; May 27.
Wesling, Louis, assignor to Benjamin Franklin Forsyth, Chicago, Ill. Stool. 127,494; May 27.
Westinghouse Electric & Manufacturing Company. (See Russell, William J., assignor.)
Willard Storage Battery Company. (See Sears, R. E., and Cleveland, assignors.)
Wingfoot Corporation. (See Lee, Walter J., assignor.)
Wolock, Morris, New York, N. Y. Shoe or similar article. 127,531; May 27.
Wright, Myron S., North Hollywood, Calif. Game device. 127,461; May 27.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 27TH DAY OF MAY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abramson, Alexander, Prague, Czechoslovakia. Method and apparatus for the application of aerating air to carburetors for internal combustion engines. 2,243,072; May 27.
Abriol, Narciso Z., Dact, P. I. Box trap. 2,243,367; May 27.
Aceves, Julius G. (See Amy, E. V., and Aceves.)
Aceves, Julius G., assignor to Amy, Aceves & King, Incorporated, New York, N. Y. All-wave radio receiving system. 2,243,180; May 27.
Adamson, John S., Houston, Tex. Attachment for T-stands. 2,243,517; May 27.
Adler, Karl F., Chicago, Ill. Pot holder. 2,243,305; May 27.
Agnew, George A., East Haven, assignor to Malleable Iron Fittings Company, Branford, Conn. Casting mold for hollow articles and core therefor. 2,243,407; May 27.
Ahlberg, Jacon E. (See Benedict, W. L., and Ahlberg.)
Aiken, Thomas W., Glassport, assignor of twenty per cent to W. E. Trover, Elizabeth, Pa. Electrode handle for welding. 2,243,368; May 27.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,243,449; May 27.
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake and sanding control means. 2,243,450; May 27.
Air-Maze Corporation. (See Walton, G. M., and Glanzer, assignors.)
Air Reduction Company. (See Connell, Karl, assignor.)
Aktiebolaget Facit. (See Anneren, R. E., and Carlström, assignors.)
Aktiebolaget Kemiska Patenter. (See Lehrecke, Hans, assignor.)
Albert, János, Budapest, Hungary. Manufacture of artificial stones with high porosity. 2,243,369; May 27.
Albion Patents Limited. (See Baird, Norman C., assignor.)
Allegheny Ludlum Steel Corporation. (See Batcheller, Clements, assignor.)
Allison, Leslie R., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,243,725; May 27.
Altemus, James D., Roslyn, N. Y. Tiltable and independently rotatable dual wheels for trucks, etc. 2,243,181; May 27.
Altenburg, William M., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sole and shoe positioning device. 2,243,073; May 27.
American Bemberg Corporation. (See Ostermann, Walter, assignor.)
American Bosch Corporation. (See Crocker, William D., assignor.)
American Concrete and Steel Pipe Company. (See Edwards, Robert V., assignor.)
American Cyanamid Company. (See Williams, James H., assignor.)
American Forging & Socket Company, The. (See Oberhoffken, Alexander, assignor.)
American-LaFrance-Foamite Corporation. (See Smith, Cecil H., assignor.)
American Locomotive Company. (See Leahy, David R., assignor.)
American Safety Razor Corporation. (See Dalkowitz, Godfrey, assignor.)
American Securit Company, The. (See Despret, Georges P., assignor.)
American Type Founders Incorporated. (See Seybold, F. W., and Sanford, assignors.)
Amy, Aceves & King, Incorporated. (See Aceves, Julius G., assignor.)
Amy, Aceves & King, Incorporated. (See Amy, E. V., and Aceves, assignors.)
Amy, Ernest V., and J. G. Aceves, assignors to Amy, Aceves & King, Incorporated, New York, N. Y. All wave radio receiving system. 2,243,182; May 27.
Anchor Cap & Closure Corporation. (See Von Till, L. A., and Kosar, assignors.)
Ateliens Etablissements Barbier, Benard & Turenne. (See Benard, Jacques A. V., assignor.)
Anderson, Arnold N., Chicago, Ill. Indicator means. 2,243,074; May 27.
Anderson, Earl L., Bayside, Long Island, N. Y., and C. N. Kimball, East Orange, N. J., assignors to Radio Corporation of America. Visual tuning indicator. 2,243,408; May 27.
Anderson, Edmund E., Rockford, assignor to Borg-Warner Corporation, Chicago, Ill. Industrial joint. 2,243,062; May 27.
Anderson, Margaret L., Springfield, Ill. Curtain guard for windows. 2,243,271; May 27.
Annerén, Rolf E., and B. Carlström, assignors to Aktiebolaget Facit, Atvidaberg, Sweden. Calculating machine. 2,243,075; May 27.
Apotheker, Carl. (See Bonhote, G., and Apotheker.)
Arey, Ralph G., Swampscott, Mass., assignor to General Electric Company. Timer motor. 2,243,063; May 27.
Argus Manufacturing Corporation. (See Dietz, Fred E., assignor.)
Arnold, Harry E., Allentown, Pa., assignor to Bethlehem Steel Company. Apparatus for hardening gears. 2,243,076; May 27.
Aron, Edmund, assignor to Moto-Sway Corporation of America, Chicago, Ill. Combined vehicle lifting and rocking device. 2,243,183; May 27.
Aronson, Peter R., Millburn, and W. E. Self, South Orange, N. J., assignors to Oxweld Acetylene Company. Making blowpipe nozzles. 2,243,184; May 27.
Asher, Harry H. (See Slatis, A., and Asher.)
Ashmore, Joseph M. (See Huss, R. S., Stroh and Ashmore.)
Ashton, Albert, Los Angeles, Calif., assignor, by mesne assignments, to The Buckeye Traction Ditcher Company, Findlay, Ohio. Power control for earth working devices. 2,243,306; May 27.
Auckland, William, Seattle, Wash. Water heating system. 2,243,144; May 27.
Automatic Devices Corporation. (See Lehmann, Herbert G., assignor.)
Automatic Signal Corporation. (See Barker, John L., assignor.)
Automotive Products Company Limited. (See Thornhill, Peter W., assignor.)
Baash-Ross Tool Company. (See Johnson, Glenn D., assignor.)
Babcock & Wilcox Company, The. (See Lucke, Charles E., assignor.)
Babcock & Wilcox Company, The. (See Trainer, J. E., Harter, and Roger, assignors.)
Backer, Christian B., Bromley, England. Tubular electric resistance heating element. 2,243,823; May 27.
Bacon, Kenneth D., and T. A. Kauppi, assignors to The Dow Chemical Company, Midland, Mich. Coating for rubber. 2,243,185; May 27.
Bade, Alfred G. (See Schmitter, W. P., and Bade.)
Bahlke, Alfred F., New Providence, assignor to Utility Electric Corp., Newark, N. J. Incandescent lamp and switch. 2,243,186; May 27.
Bailey, David C., Amesbury, Mass. Panel trim retainer. 2,243,743; May 27.
Bailey Meter Company. (See Paulison, William L., Jr., assignor.)
Bailey, Warren G., Evanston, assignor to O-Cedar Corp., Chicago, Ill. Mop. 2,243,518; May 27.
Baird, Norman C., assignor to Albion Patents Limited, Glasgow, Scotland. Block and tackle lifting and lowering levice. 2,243,664; May 27.
Bakalar, Margaret, Fort Wayne, Ind. Combination crib and play pen. 2,243,691; May 27.
Baker Perkins Incorporated. (See Harber, Laurence S., assignor.)
Balcom, William D., Greeley, Colo. Feeder and distributor for conveyers. 2,243,665; May 27.
Baldeschwieler, Emile L., Cranford, N. J., assignor to Standard Oil Development Company. Bituminous composition. 2,243,409; May 27.
Baldwin Locomotive Works, The. (See Buckingham, Francis, assignor.)
Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Chair back construction. 2,243,811; May 27.
Ballard, John H., North Muskegon, assignor to Sealed Power Corporation, Muskegon, Mich. Piston ring. 2,243,064; May 27.
Balle, Gerhard. (See Orthner, L., Balle, Horst, and Schild.)
Balles, Leo. (See Flahive, Robert F., assignor.)
Balsiger, Harold E., and R. E. Price, assignors to Landis Tool Company, Waynesboro, Pa. Cam grinder. 2,243,410; May 27.
Bank of The Manhattan Company, trustee. (See Brogden, Ernest M., assignor.)
Barker, John L., Norwalk, assignor to Automatic Signal Corporation, East Norwalk, Conn. Traffic control apparatus. 2,243,187; May 27.
Barnes, James F., et al. (See Rebholz, Elmer F., assignor.)
Barney, William R. (See Flemming, H. V., and Barney.)
Barrel Fitting & Seal Corporation. (See Schwartz, Morris, assignor.)

Barrel Fitting & Seal Corporation. (See Schwartz, Sol, assignor.)
Barrett, Charles D., and C. R. Whitehead, Altoona, Pa. Springing for railway trucks. 2,243,411; May 27.
Barrett, Kenneth T., Pittsfield, Mass., assignor to General Electric Company. Molded box. 2,243,065; May 27.
Barrows, Donald S., assignor to The Symington-Gould Corporation, Rochester, N. Y. Railway truck. 2,243,493; May 27.
Barry-Wehmiller Machinery Company. (See Herold, J. L., and Wehmiller, assignors.)
Barth, Edwin J., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Asphalt emulsion and preparing same. 2,243,519; May 27
Bartholomew, Charlie A., Van Nuys, assignor to the firm Woodworth & Turk, Los Angeles, Calif. Roof covering and compounding same. 2,243,494; May 27.
Batcheider, Clifton T., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Folding machine. 2,243,077; May 27.
Batchell, George W., Toledo, Ohio. Paneled lehr belt. 2,243,145; May 27.
Batcheller, Clements, Glens Falls, N. Y., assignor to Allegheny Ludlum Steel Corporation. Colored steel. 2,243,787; May 27.
Bauer, Edward G., Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Filling machine. 2,243,451; May 27.
Baughman, George W., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway signaling system. 2,243,726; May 27.
Baumgartner, John G., assignor to National Brush Company, Aurora, Ill. Brush making machine. 2,243,495; May 27.
Bay State Optical Company. (See Spooner, Howard E., assignor.)
Beacon Safety Signal Co. (See Roan, C. M., Kaupang, and Rohlen, assignors.)
Becker, Bernard C., deceased, late of Canton, Ohio, by B. E. Becker, executrix, York, Pa., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,243,066; May 27.
Becker, Bernice E., executrix. (See Becker, Bernard C.)
Becker, Philip, et al. (See Kadish, Frederick, assignor.)
Beckner, Donald O., Bolton, Mass. Knife unit for meat cutters. 2,243,666; May 27.
Beede, Herbert G., Pawtucket, R. I. Bolster. 2,243,146; May 27.
Beharrell, George E., Streetly, J. Wright, Birmingham, and H. Trevaskis, Sutton, Coldfield, assignors to Dunlop Rubber Company Limited, London, England. Safety valve for preventing accidental operation of automatic guns on aircraft. 2,243,520; May 27.
Bell Aircraft Corporation. (See Trotter, John C., assignor.)
Bell, Alvin T., Gadsden, Ala. Utility rack. 2,243,370; May 27.
Bell Telephone Laboratories, Incorporated. (See Dudley, Homer W., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kircher, Reymond J., assignor.)
Bell Telephone Laboratories, Incorporated. (See Krauth, Edwin A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Large, Wayne V. K., assignor.)
Bell Telephone Laboratories, Incorporated. (See Skellett, Albert M., assignor.)
Bellingham, Lowell. (See Van Norde, P., and Bellingham.)
Belmont Radio Corporation. (See Plensler, Alexander W., assignor.)
Benard, Jacques A. V., assignor to Anciens Etablissements Barbier, Benard & Turenne, Paris, France. Device for lighting operating rooms. 2,243,788; May 27.
Bendix Aviation Corporation. (See Deschamps, Desire J., assignor.)
Bendix Aviation Corporation. (See Gregg, David, assignor.)
Bendix Aviation Corporation. (See Gregg, D., and Daalder, assignors.)
Bendix Aviation Corporation. (See Trautman, Walter C., assignor.)
Benedict, Wayne L., and J. E. Ahlberg, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,243,824; May 27.
Benjamin Electric Mfg. Company. (See Wideroe, Marshall S., assignor.)
Benson, Jesse M., Concord, Tenn. Winch. 2,243,789; May 27.
Berg, Quentin, Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,243,067; May 27.
Bergstrom, Sten. (See Johannson, A. G., Gidlof, Bergstrom, and Olsson.)
Bergstrom, Victor. (See Pink, I. M., and Bergstrom.)
Bethlehem Steel Company. (See Arnold, Harry E., assignor.)
Biach, John L., assignor to The Watson-Stillman Co., Roselle, N. J. Liquid level control. 2,243,188; May 27.
Bickel, Clarke A., and P. F. Danielson, Los Angeles, Calif. Measuring and dispensing device. 2,243,452; May 27.
Bilinsky, Solomon. (See Klipsch, P. W., and Bilinsky.)
Bing, Julius, and O. Block, Berlin, Germany. Lifting magnet. 2,243,616; May 27.
Birr, Rudolph G. (See Steiner, F. G., and Birr.)
Bishop & Babcock Manufacturing Company, The. (See Mayo, Edward L., assignor.)
Bishop, Joseph W., Detroit, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Electroforming method of making tire molds. 2,243,521; May 27.
Bixby, Arthur B., Cleveland Heights, assignor to Republic Steel Corporation, Cleveland, Ohio. Heating and rolling steel. 2,243,744; May 27.
Bjorksten, Johan, Chicago, and W. J. Champion, La Grange, assignors to Ditto, Incorporated, Chicago, Ill. Transfer sheet and composition for producing reinkable impressions. 2,243,078; May 27.
Blair, Charles M., Jr. (See De Groote, M., and Blair, Jr.)
Block, Otto. (See Bing, J., and Block.)
Blood, Harold L., assignor to The Heald Machine Company, Worcester, Mass. Offsetting arrangement for boring tools and the like. 2,243,147; May 27.
Blood, Harold L., assignor to The Heald Machine Company, Worcester, Mass. Internal grinding machine. 2,243,371; May 27.
Blood, James R., Leavenworth, Kans. Compact window screen. 2,243,790; May 27.
Blue, Lebert E., New York, N. Y., and C. F. Hirshfeld, Detroit, Mich., assignors to The Transit Research Corporation, New York, N. Y. Braking system. 2,243,068; May 27.
Bluege, Oswald L. (See Milan, Horace R., assignor.)
Blumlein, Alan D., Ealing, London, and C. O. Browne, West Acton, London, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Television transmitting apparatus. 2,243,079; May 27.
Bock, Louis H. (See Houk, A. L., and Bock.)
Bolton, Harry D., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 2,243,326; May 27.
Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch operating apparatus. 2,243,727; May 27.
Bonhôte, Gérald, Basel, and C. Apotheker, Riehen, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuffs and making same. 2,243,617; May 27.
Boore, Burton A., Harrisburg, Pa. Electrode assembly for neon type and other luminous tubes. 2,243,496; May 27.
Borg-Warner Corporation. (See Anderson, Edmund B., assignor.)
Botenstein, Joseph H., Chicago, Ill. Bedpan. 2,243,791; May 27.
Bougie, Joseph A., assignor of one-fourth to L. Paradis, Berlin, N. H. Switch. 2,243,497; May 27.
Bourbon, Henry F. (See Prosa, Joseph J., assignor.)
Bowser, S. F., & Company. (See Griffith, Clement P., assignor.)
Brannan, Paul M., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo. Fan blade. 2,243,189; May 27.
Bratt, Gustaf. (See Liberty, G. W., and Bratt.)
Brogden, Ernest M., Orlando, Fla., assignor to Bank of The Manhattan Company, New York, N. Y. Container constructed of boxboard and blanks therefor. 2,243,080; May 27.
Brooker, Leslie G. S., and F. L. White, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing 8-alkyl unsymmetrical carbocyanine dyes. 2,243,081; May 27.
Brown, Benjamin G., Flint, assignor to General Motors Corporation, Detroit, Mich. Silencer. 2,243,082; May 27.
Brown, Benjamin G., Flint, assignor to General Motors Corporation, Detroit, Mich. Air cleaner and silencer assembly. 2,243,083; May 27.
Brown & Bigelow. (See Trollen, Martin E., assignor.)
Brown, Charles L., Jr. (See Mott, G., and Brown.)
Brown, Charles S., Syracuse, N. Y. Brick wall construction. 2,243,069; May 27.
Brown, Ray W., assignor to The General Tire & Rubber Company, Akron, Ohio. Antenna cone. 2,243,618; May 27.
Browne, Cecil O. (See Blumlein, A. D., and Browne.)
Browne, Cecil O., West Acton, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Optical projection apparatus. 2,243,084; May 27.
Brück, Lothar, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Volume control. 2,243,412; May 27.
Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Dividing machine. 2,243,473; May 27.
Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Number comparing means. 2,243,474; May 27.
Buckeye Traction Ditcher Company, The. (See Ashton, Albert, assignor.)
Buckingham, Francis, Franklinville, N. J., assignor to The Baldwin Locomotive Works. Fatigue testing machine. 2,243,413; May 27.
Buckley, Harry R., Cumberland, Md., assignor to Celanese Corporation of America. Producing textile yarns. 2,243,085; May 27.

Budd, Edward G., Manufacturing Company. (See Ragsdale, E. J. W., and Dean, assignors.)
Budd Wheel Company. (See Eksergian, Carolus L., assignor.)
Buettell, Marc A., assignor to Ideal Commutator Dresser Company, Sycamore, Ill. Pliers. 2,243,086; May 27.
Buffalo Electro-Chemical Company. (See Salleras, Modeste, assignor.)
Builders Iron Foundry. (See Huxford, G. T., and Loud, assignors.)
Burdick, John S., North Muskegon, assignor to The Shaw-Walker Company, Muskegon, Mich. Typewriter desk. 2,243,087; May 27.
Burgan, Paul W., Chicago, Ill. Multicolor attachment for vertical printing presses. 2,243,619; May 27.
Burns, Edward M., assignor of one-half to F. E. Stone, Porterville, Calif. Rotary cultivator. 2,243,241; May 27.
Burst, August F., Cheektowaga, N. Y. Direction signal. 2,243,595; May 27.
Busá, Antonio, Lexington, Mass. Holder for celery blanching paper. 2,243,667; May 27.
Busse, Ferdinand, Munich, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Supporting spool for spirally coiled film in film developing devices. 2,243,453; May 27.
Cain, Bernard M., Marblehead, Mass., assignor to General Electric Company. Capacitor motor. 2,243,070; May 27.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Sander. 2,243,242; May 27.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Sander. 2,243,243; May 27.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Sander. 2,243,244; May 27.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Air brake. 2,243,245; May 27.
Campbell, Jackson L., Wichita, Kans., assignor to Sears, Roebuck and Co., Chicago, Ill. Evaporator. 2,243,307; May 27.
Campbell, Richard H., assignor to Webster Electric Company, Racine, Wis. Communication system. 2,243,692; May 27.
Candioto, Frank, New Castle, Pa. Bait pail. 2,243,498; May 27.
Cantzler, Adolf, and H. Krekeler, Mannheim, Germany, assignors to Jasco Incorporated, Production of Olefins and diolefins. 2,243,191; May 27.
Capaldo, Louis A., New York, N. Y. Umbrella. 2,243,190; May 27.
Cardinal Products, Inc. (See Schmitt, G. P., and Richards, assignors.)
Carl, Alice J., Philadelphia, Pa. Steam bath cabinet. 2,243,550; May 27.
Carlson, Vernon E., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,243,812; May 27.
Carlson, Wendell L., Haddonfield, N. J., assignor to Radio Corporation of America. Frequency modulating receiver. 2,243,414; May 27.
Carlström, Bengt. (See Annerén, R. E., and Carlström.)
Carroll, Ellsworth W., assignor to S & W Fine Foods, Inc., San Francisco, Calif. Pitting machine. 2,243,246; May 27.
Carson, Harold G. (See Eteau, Euclid E., assignor.)
Carter, Donald M. (See Ross, Warren A., assignor.)
Carter, Frank, San Francisco, Calif. Muffler. 2,243,499; May 27.
Cash, James A., assignor to Fred Franke & Co., Louisville, Ky. Cutting table. 2,243,668; May 27.
Caso, Frank A., New York, N. Y. Football game. 2,243,693; May 27.
Caterpillar Tractor Co. (See Gustafson, Carl A., assignor.)
Caterpillar Tractor Co. (See McDonald, Harry T., assignor.)
Caterpillar Tractor Co. (See Starr, Oscar L., assignor.)
Cazin, Otto K. (See Taylor, F. F., and Cazin.)
Celanese Corporation of America. (See Buckley, Harry R., assignor.)
Celanese Corporation of America. (See Hill, F. B., and Jackson, assignors.)
Celanese Corporation of America. (See Kinsella, Edward, assignor.)
Celanese Corporation of America. (See Schlessler, Fred J., assignor.)
Century Lighting, Inc. (See Levy, Joseph, assignor.)
Champion, William J. (See Bjorksten, J., and Champion.)
Chemical Marketing Company Inc. (See Weiss, Ludwig, assignor.)
Cherry-Burrell Corporation. (See Ernst, Robert J., assignor.)
Chicago Forging & Manufacturing Company. (See Hill, Rowland, assignor.)
Chicago Forging & Manufacturing Company. (See Krause, Walter H., assignor.)
Chilowsky, Constantin, Paris, France. Photosensitive apparatus. 2,243,596; May 27.
Chlopicki, Joseph, Berwyn Heights, Md. Model boat. 2,243,372; May 27.
Christensen, Peter C. (See Clemens, Emanuel, assignor.)
Christiansen, Walter G., Glen Ridge, N. J., and S. E. Harris, Coral Gables, Fla., assignor to E. R. Squibb & Sons, New York, N. Y. Hydroxy benzoic acid esters. 2,243,694; May 27.
Ciarlelli, Joseph, Waterbury, Conn. Abdominal belt. 2,243,500; May 27.
Cirese, Joseph M. (See Poll, Benjamin, assignor.)
Cities Service Oil Company. (See Morgan, John D., assignor.)
Clark, Charles Haskell, assignor of one-half to Ray H. Kistler, San Francisco, Calif. Folding and nonfolding marine craft. 2,243,247; May 27.
Clark, Charles J. (See Clark, Robert C., and C. J.)
Clark, James G., Newark, N. J. Manure dehydrator. 2,243,192; May 27.
Clark, Leroy A., Miami, Fla., assignor to Mercury Timer Company. Traffic signaling system. 2,243,088; May 27.
Clark, Robert C., and C. J. Clark, Townsend, Mont. Beet topping mechanism. 2,243,248; May 27.
Clausen, Sigurd, Brooklyn, N. Y., assignor to International Cigar Machinery Company. Apron mechanism for cigar machines. 2,243,745; May 27.
Clauss, Friedrich M., Bernville, and C. Moellerke, West Reading, assignors to Textile Machine Works, Wyomissing, Pa. Method and means for manipulating wire formed implements. 2,243,813; May 27.
Clayton Manufacturing Company. (See Griswold, Donald G., assignor.)
Clemens, Emanuel, assignor to Peter C. Christensen, East Orange, N. J. Button making machine. 2,243,415; May 27.
Cleveland Tractor Company, The. (See Kinney, Grayson T., assignor.)
Cleveland Welding Company, The. (See Kranz, Harry W., assignor.)
Clewell, Dayton H., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gravity meter. 2,243,746; May 27.
Clewell, Dayton H., Dallas, Tex., assignor, by mesne assignments to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gravity meter. 2,243,747; May 27.
Clewell, Dayton H., Dallas, Tex., assignor, by mesne assignments to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gravity meter. 2,243,748; May 27.
Clewell, Dayton H., Dallas, Tex., assignor, by mesne assignments to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gravity meter. 2,243,749; May 27.
Clewell, Dayton H., Dallas, Tex., assignor, by mesne assignments to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gravity meter. 2,243,750; May 27.
Cline, Russell S., Statesville, N. C. Space saving drawer construction. 2,243,792; May 27.
Clough, Newsome H., Brentwood, England, assignor to Radio Corporation of America. Modulation system. 2,243,193; May 27.
Clyne, James B., assignor to J. H. Emerson, Chicago, Ill. Electrical vaporizer. 2,243,669; May 27.
Cole, Delbert, Hollywood, Calif. Pipe wrench. 2,243,272; May 27.
Colley, George A. (See Hammond, J. H., and Colley.)
Collinge, Lee C., and J. H. Layman, Portland, Oreg. Dispenser for disinfectants. 2,243,454; May 27.
Columbus McKinnon Chain Corporation. (See Robins, Erford E., assignor.)
Columbus McKinnon Chain Corporation. (See Stahl, Frank E., assignor.)
Commercial Solvents Corporation. (See Morey, Glen H., assignor.)
Conklin, James W., Audubon, N. J., assignor to Radio Corporation of America. Constructing metal bellows. 2,243,522; May 27.
Connell, Karl, Branch, N. Y., assignor to Air Reduction Company, Incorporated. Therapeutic apparatus. 2,243,695; May 27.
Consolidated Edison Company of New York, Inc. (See Mumford, Albert R., assignor.)
Consolidated Steel Corp. (See Lyons, D. A., and Earl, assignors.)
Consortium Fur Electrochemische Industrie G. m. b. H. (See Halbig, P., and Treibs, assignors.)
Container Corporation of America. (See Van Saun, Raymond H., assignor.)
Continental Can Company. (See Hazard, Ellison L., assignor.)
Continental Can Company. (See Hodgson, William W., assignor.)
Continental Can Company. (See Pearson, Paul E., assignor.)
Continental Machines, Incorporated. (See Kohls, E. E., and Jones, assignors.)
Cook, Everett J., Toledo, Ohio. Making glass sheet or plate. 2,243,194; May 27.
Cooksey, Warren B., Detroit, Mich. Blood transfusion apparatus. 2,243,327; May 27.
Cornell-Dubilier Electric Corporation. (See Dubilier, William, assignor.)
Courtaulds Limited. (See Morton, Thomas H., assignor.)

Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Blanket cylinder. 2,243,195; May 27.

Crago, Harry R., Schenectady, N. Y., assignor to General Electric Company. Furnace control system. 2,243,071; May 27.

Craig, Harvey A., New York, N. Y., assignor to Rheem Manufacturing Company, Richmond, Calif. Automatic water heater unit. 2,243,249; May 27.

Crawford, Emerick B. (See Whitehead, O. N., and Crawford.)

Crickmer, Charles S., and H. C. Glitsch, assignor to Merla Tool Company, Dallas, Tex. Flow valve. 2,243,308; May 27.

Crites, Wilbur J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Prefabricated portable house structure. 2,243,373; May 27.

Crocker, William D., assignor to American Bosch Corporation, Springfield, Mass. Magneto. 2,243,416; May 27.

Crocker, William D., assignor to American Bosch Corporation, Springfield, Mass. Magneto apparatus. 2,243,418; May 27.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency modulation receiver. 2,243,417; May 27.

Cummings, Patrick J., Attleboro, Mass. Nail file. 2,243,328; May 27.

Cummins, Harry G., Las Cruces, N. Mex. Cant indicator for telescopic rifle sights. 2,243,793; May 27.

Cutler, Roger W., Boston, Mass. Temple roll. 2,243,148; May 27.

Daalder, Richard. (See Gregg, D., and Daalder.)

Daimler-Benz Aktiengesellschaft. (See Maruhn, Herbert, assignor.)

Daimler, Karl, and H. Thron, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y. Cement mass. 2,243,501; May 27.

Dalkowitz, Godfrey, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Shaving device. 2,243,196; May 27.

Dallmann, Herbert, Berlin-Karlshorst, and H. R. Eggers, Berlin, Germany, assignors to General Electric Company. Fluid meter. 2,243,475; May 27.

Daly, Leroy A., Chicago, Ill. Outboard motor attachment. 2,243,551; May 27.

Daman, Arthur C., and L. H. Logue, assignors to Mining Process and Patent Company, Denver, Colo. Flotation apparatus. 2,243,309; May 27.

Dammarell, William J. (See Niece, William E., assignor.)

Danielson, Paul F. (See Bickel, C. A., and Danielson.)

Davis, John V., assignor, by mesne assignments, to The Udylite Corporation, Detroit, Mich. Machine for treating work or articles electrolytically. 2,243,728; May 27.

Davis, Paul H., Chicago, Ill. Radio communication. 2,243,523; May 27.

Dayton Steel Foundry Company, The. (See Miller, Elmer L., assignor.)

Deal, Harmon B., Glen Ridge, N. J., and S. W. Seeley, Bayside, Long Island, N. Y., assignors to Radio Corporation of America. Oscillation generator. 2,243,524; May 27.

Dean, Albert G. (See Ragsdale, E. J. W., and Dean.)

Decombe, Georges. (See Gazet, Marius B., assignor.)

De Fiore, Leopold, Youngstown, Ohio, assignor to The Youngstown Sheet & Tube Company. Burr remover. 2,243,197; May 27.

De Golyer, Homer L., Dallas, Tex. Convertible spool reel. 2,243,670; May 27.

De Groote, Melvin, University City, and C. M. Blair, Jr., Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,243,329; May 27.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Process for breaking petroleum emulsions. 2,243,330; May 27.

Den Besten, Gerrit, Pella, Iowa, assignor of one-fourth to Liverance & Van Antwerp, Grand Rapids, Mich. Tractor stop hitch. 2,243,552; May 27.

De Laval Separator Company, The. (See Forsberg, Erik A., assignor.)

Del Llano y Fernandez, Angel, Habana, assignor to Zorrilla, Llano y Cia, Marianao, Cuba. Game. 2,243,620; May 27.

Denoix, Paul E. J., Paris, France, assignor to Sageb, Société Anonyme de Gestion et d'Exploitation de brevets, Fribourg, Switzerland. Percussion fuse for projectiles. 2,243,621; May 27.

D'Entremont, Franklin R., Lynn, Mass., assignor to General Electric Company. Electrical winding. 2,243,553; May 27.

Deschamps, Desire J., Rutherford, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Pumping mechanism. 2,243,374; May 27.

De Simo, Martin, Piedmont, and J. J. O'Connor, Oakland, assignors to Shell Development Company, San Francisco, Calif. Sulphonate. 2,243,331; May 27.

De Simo, Martin, Piedmont, J. J. O'Connor, Oakland, and G. S. Parsons, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Sulphonic compound. 2,243,332; May 27.

Despret, Georges P., Paris, France, assignor to The American Securit Company, Wilmington, Del. Method and apparatus for the manufacture of hardened glass. 2,243,140; May 27.

Detroit Brass & Malleable Works. (See Rutherford, Francis H., assignor.)

Deutsche Celluloid-Fabrik Aktiengesellschaft. (See Loblein, Fritz, assignor.)

De Voe, Allen W., Fond du Lac, and W. M. Moersch, Malone, Wis. Fuel control for engines. 2,243,594; May 27.

Devol, George C., Jr., St. Albans, assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y. Electronic control for doors and other machines. 2,243,310; May 27.

Diescher, Alfred J., Winfield, Kans. Apparatus for forming or coating sheets and the like. 2,243,333; May 27.

Dietrich, Melvin A., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fuel oil. 2,243,198; May 27.

Dietz, Fred E., Cleveland, Ohio, assignor to Argus Manufacturing Corporation. Electrical discharge device and anode therefor. 2,243,250; May 27.

Ditto, Incorporated. (See Bjorksten, J., and Champion, assignors.)

Ditto, Incorporated. (See Morrison, R. F., and Wimmer, assignors.)

Ditzen, Edward C., San Leandro, assignor to Oliver United Filters Incorporated, San Francisco, Calif. Filter. 2,243,311; May 27.

Doherty, Arthur, Los Angeles, Calif. Combination furnace and water heater. 2,243,455; May 27.

Dominion Engineering Works Limited. (See Muir, W. P., and Maude, assignors.)

Donley Brothers Company, The. (See Donley, George W., assignor.)

Donley, George W., assignor to The Donley Brothers Company, Cleveland, Ohio. Fireplace construction. 2,243,751; May 27.

Dough-King, Inc. (See Lagaard, Alexander S. T., assignor.)

Dow Chemical Company, The. (See Bacon, K. D., and Kauppi, assignors.)

Dubilier, William, New Rochelle, N. Y., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrolytic condenser. 2,243,814; May 27.

Dudley, Homer W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for the artificial production of vocal or other sounds. 2,243,089; May 27.

Dudley, Homer W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sound record. 2,243,090; May 27.

Dudley, Homer W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Production of artificial speech. 2,243,525; May 27.

Dudley, Homer W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Production of artificial speech. 2,243,526; May 27.

Dudley, Homer W., Garden City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Production of artificial speech. 2,243,527; May 27.

Duisberg, Walther H. (See Daimler, K., and Thron, assignors.)

Dunaway, Sanford J., assignor to The Expello Corporation, Dover, N. H. Liquid vaporizing and diffusing device. 2,243,752; May 27.

Dunham, George W. (See Kimball, A. L., and Dunham.)

Dunlop Rubber Company. (See Beharrell, G. E., Wright and Trevaskis, assignors.)

Dunn, Charles P. (See Hall, J. F., and Dunn.)

Dunn, Rose M., Rochester, N. Y. Supporting device for bathtubs. 2,243,794; May 27.

Du Pont, E. I., de Nemours & Company. (See Dietrich, Melvin A., assignor.)

Du Pont, E. I., de Nemours & Co. (See Ferm, Eric W., assignor.)

Du Pont, E. I., de Nemours & Company. (See Koethen, Frederick L., assignor.)

Du Pont, E. I., de Nemours & Company. (See Pitman, Earle C., assignor.)

Du Pont, E. I., de Nemours & Company. (See Richmond, Joseph L., assignor.)

Du Pont, E. I., de Nemours & Company. (See Vaala, Gordon T., assignor.)

Dur-O-Lite Pencil Company. (See Lynn, John P., assignor.)

Dutter, Donald D., Big Creek, Calif. Follow-up mechanism. 2,243,456; May 27.

Eaddy, Ernest J., Spartanburg, S. C. Tension control for yarn slashers. 2,243,795; May 27.

Earl, Lloyd R. (See Lyons, D. A., and Earl.)

Eastman Kodak Company. (See Brooker, L. G. S., and White, assignors.)

Ebert, Edward A., Buffalo, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Remote control system for phonographs and the like. 2,243,622; May 27.

Edwards, Robert V., San Marino, Calif., assignor to American Concrete and Steel Pipe Company. Lined concrete pipe. 2,243,273; May 27.

Eggers, Hermann R. (See Dallmann, H., and Eggers.)

Eguchi, Mitsuo, Los Angeles, Calif. Smoker's article. 2,243,091; May 27.

Ehret, Anthony, Hillside, N. J., assignor to The Lionel Corporation, New York, N. Y. Controller for toy trains. 2,243,671; May 27.

Ehring, Hermann K. (See Ewald, H. K. F., and Ehring.)

Eissner, Erich. (See Verbeek, A., and Eissner.)

Eksergian, Caroline L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake disk. 2,243,334; May 27.

Electric & Musical Industries Limited. (See Blumlein, A. D., and Browne, assignors.)

Electric & Musical Industries Limited. (See Browne, Cecil O., assignor.)

Electric & Musical Industries Limited. (See Henderson, Stanley T., assignor.)

Electrical & Musical Industries Limited. (See Klemperer, Otto, assignor.)

Electric & Musical Industries Limited. (See Lubszynski, H. G., and Klatzow, assignors.)

Electrolux Corporation. (See Mott, G., and Brown, assignors.)

Elias, Albert I. (See Horowitz, Oskar, assignor.)

Ellestad, Gerhard A., Rochester, N. Y., assignor to Saf-T-Pop Corporation, Dubuque, Iowa. Wrapped confection. 2,243,375; May 27.

Elliott, Clarence E., assignor to Hamilton Enterprises, Inc., Kansas City, Mo. Vending machine. 2,243,335; May 27.

Elliott, Frank R., assignor to The F. E. Myers & Bro. Company, Ashland, Ohio. Traction sprayer. 2,243,597; May 27.

Ellis, Lacoste G., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Analysis of seismographic records. 2,243,729; May 27.

Ellis, Lacoste G., Beaumont, Tex., assisgnor to Sun Oil Company, Philadelphia, Pa. Apparatus for analysis of seismographic records. 2,243,730; May 27.

Emerson Electric Mfg. Co., The. (See Brannan, Paul M., assignor.)

Emerson, Jay H. (See Clyne, James B., assignor.)

Emsco Derrick & Equipment Company. (See Smith, D. M., and Newcomb, assignors.)

Emsco Derrick & Equipment Company. (See Stevenson, Edward E., assignor.)

Epstein, Alvin N., Chicago, Ill. Device for supporting telephone apparatus. 2,243,554; May 27.

Ernst, Robert J., Ann Arbor, Mich., assignor, by mesne assignments, to Cherry-Burrell Corporation, Chicago, Ill. Chain conveyer. 2,243,274; May 27.

Esval, Orland E., Allendale, and C. A. Frische, Leonia, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Apparatus for balancing rotors. 2,243,458; May 27.

Esval, Orland E., Summit, and C. A. Frische, Leonia, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Method and apparatus for balancing rotors. 2,243,457; May 27.

Eteau, Euclid E., Berwyn, assignor to Harold G. Carson, Chicago, Ill. Mold making machine. 2,243,092; May 27.

Eubanks, Floyd G., assignor of forty-seven and one-half percent to F. E. Vaughan, Pasadena, and five percent to R. M. McManigal, Compton, Calif. Drafting machine indexing means. 2,243,731; May 27.

Eubanks, Floyd G., assignor of forty-seven and one-half percent to F. E. Vaughan, Pasadena, and five percent to R. M. McManigal, Compton, Calif. Drafting machine band tightening device. 2,243,732; May 27.

Evans, Harry L., Newport, R. I., assignor to United States Automatic Box Machinery Co., Inc., Roslindale, Mass. Carton feeding mechanism for packaging machinery. 2,243,199; May 27.

Ewald, Arno A., assignor to Romort Manufacturing Company, Oakfield, Wis. Fiber cutter. 2,243,623; May 27.

Ewald, Heinrich Konrad Friedrich, and H. K. Ehring, Chemnitz, assignors to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Siegmar-Schonau, Germany. Calculating machine. 2,243,150; May 27.

Ewan, Charles V., Los Gatos, Calif. Fountain soap brush. 2,243,275; May 27.

Expello Corporation, The. (See Dunaway, Sanford J., assignor.)

F. and S. Manufacturing Corporation. (See Sowers, Lee, assignor.)

Fageol, Rollie G., Beverly Hills, Calif. Shock absorbing element. 2,243,462; May 27.

Falk Corporation, The. (See Schmitter, W. P., and Bade, assignors.)

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Brake Company, Wilmerding, Pa. Brake mechanism. 2,243,459; May 27.

Faus, Harold T., Lynn, Mass., assignor to General Electric Company. Magnet gearing. 2,243,555; May 27.

Fay, Kenneth F., and W. L. Odenweider, Easton, assignors, by mesne assignments, to The Pennsylvania Salt Manufacturing Company, Philadelphia County, Pa. Closure for rubber drums. 2,243,796; May 27.

Felder, Abraham, assignor to Felder Bros. Inc., New York, N. Y. Combination wallet and purse. 2,243,556; May 27.

Felder Bros. Inc. (See Felder, Abraham, assignor.)

Ferm, Eric W., Clarksburg, W. Va., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del. Electrodeposition of zinc and anode therefor. 2,243,696; May 27.

Festervan, Benjamin J., and N. F. Henderson, Monroe City, Tex. Fishing tool. 2,243,419; May 27.

Fiala, Albert E., Chicago, Ill. Rack. 2,243,312; May 27.

Finster, Robert F., assignor to Hammermill Paper Company, Erie, Pa. Device for handling sheet material. 2,243,557; May 27.

Fischer, Edwin L., Endwell, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Camera construction. 2,243,460; May 27.

Fisher, George H., St. Louis Park, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control system. 2,243,200; May 27.

Flahive, Robert F., assignor to Leo Balles, Freeport, Ill. Degreasing and cleaning apparatus. 2,243,093; May 27.

Flemming, Homer V., Tulsa, Okla., and W. R. Barney, Kilgore, Tex., assignors to W. C. Norris Manufacturer, Incorporated, Tulsa, Okla. Wellhead fitting. 2,243,598; May 27.

Floyd, Harry T. (See Wilson, Albert S., assignor.)

Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Roll grinding machine. 2,243,336; May 27.

Food Machinery Corporation. (See Bauer, Edward G., assignor.)

Food Machinery Corporation. (See Kerr, Charles E., assignor.)

Ford, George E., assignor to Rochester Manufacturing Company, Rochester, N. Y. Thermometer construction. 2,243,733; May 27.

Fornelius, Henry A. G., Clifton, N. J. Centering tool. 2,243,201; May 27.

Forsberg, Erik A., Nockeby, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Liquid supply means for centrifugal separators. 2,243,697; May 27.

Foster Machine Company. (See McKean, John O., assignor.)

Franke, Fred, & Co. (See Cash, James A., assignor.)

Franks, Charles J., et al. (See Franks, David, assignor.)

Franks, David, assignor of one-third to C. K. Franks and one-third to S. Franks, Jr., both of Millersburg, Ohio. Machine for separating seeds or the like. 2,243,797; May 27.

Franks, Samuel, Jr., et al. (See Franks, David, assignor.)

Freborg, Charles A. (See Freborg, Carl G., and C. A.)

Freborg, Carl G., and C. A. Freborg, Chicago, Ill., said C. A. Freborg assignor to said C. G. Freborg. Multiple record phonograph. 2,243,698; May 27.

Freedman, Harry A., New York, N. Y. Folding chair. 2,243,502; May 27.

Freeman, Henry, Mysore State, Southern India, assignor of one-half to The Kolar Mines Power Station, Limited, London, England. Motor control system for electric winding gear. 2,243,337; May 27.

Frenette, Henry J., Boise, Idaho. Air heating apparatus. 2,243,503; May 27.

Frische, Carl A. (See Esval, O. E., and Frische.)

Fritz, Karl, Berlin, Neubabelsberg, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Circuit for automatic frequency control. 2,243,202; May 27.

Frolich, Per K., Westfield, N. J., assignor to Standard Oil Development Company. Lubricating composition. 2,243,420; May 27.

Fuld, Melvin, Baltimore, Md., and A. M. Leoni, Beachwood, N. J., said Leoni assignor to said Fuld. Diffuser. 2,243,151; May 27.

Fulton, Claude C. (See Steiner, J. C., and Fulton.)

G & A Laboratories, Inc. (See Hasselström, T., and Hampton, assignors.)

G. C. A. Manufacturing Co. (See Grinnell, Harold D., assignor.)

Gang, Herman, Livingston, assignor to Monroe Calculator Machine Company, Orange, N. J. Combined electric motor and clutch control mechanism for calculating machines. 2,243,798; May 27.

Gasoline Antioxidant Company. (See Rogers, T. H., and Voorhees, assignors.)

Gazet, Marius B., assignor to G. Decombe, Lyon, France. Thread guiding device for the winding of thread. 2,243,624; May 27.

Geier, P. A., Company, The. (See Martinet, E. F., and Van Schoor, assignors.)

General Aniline & Film Corporation. (See Busse, Ferdinand, assignor.)

General Aniline & Film Corporation. (See Fischer, Edwin L., assignor.)

General Aniline & Film Corporation. (See Kränzlein, G., Milller, and Kirst, assignors.)

General Aniline & Film Corporation. (See Orthner, L., Balle, Horst, and Schild, assignors.)

General Electric Company. (See Arey, Ralph G., assignor.)

General Electric Company. (See Barrett, Kenneth T., assignor.)

General Electric Company. (See Cain, Bernard M., assignor.)

General Electric Company. (See Crago, Harry R., assignor.)

General Electric Company. (See Dallmann, H., and Eggers, assignors.)

General Electric Company. (See D'Entremont, Franklin R., assignor.)

General Electric Company. (See Faus, Harold T., assignor.)

General Electric Company. (See Goodhue, William M., assignor.)

General Electric Company. (See Hall, R. W., and Smith, assignors.)
General Electric Company. (See Hanna, William M., assignor.)
General Electric Company. (See Hottenroth, Frederick W., Jr., assignor.)
General Electric Company. (See Kimball, A. L., and Dunham, assignors.)
General Electric Company. (See Kimball, Donald G., assignor.)
General Electric Company. (See Linde, Leonard J., assignor.)
General Electric Company. (See Moyer, Elmo E., assignor.)
General Electric Company. (See Moyer, E. E., Morton, and Schmidt, assignors.)
General Electric Company. (See Nickle, Clifford A., assignor.)
General Electric Company. (See Ono, K., and Ekeda, assignors.)
General Electric Company. (See Pepper, Carl P., assignor.)
General Electric Company. (See Reardon, Robert T., assignor.)
General Electric Company. (See Rosch, Arthur, assignor.)
General Electric Company. (See Schulze, Richard, assignor.)
General Electric Company. (See Toda, Yoshiaki, assignor.)
General Electric Company. (See Treece, Arthur C., assignor.)
General Electric Company. (See Westendorp, Willem F., assignor.)
General Electric Company. (See Wolf, Herman B., assignor.)
General Motors Corporation. (See Brown, Benjamin G., assignor.)
General Motors Corporation. (See Kucher, Andrew A., assignor.)
General Motors Corporation. (See Van Deventer, H. R., and McKeown, assignors.)
General Motors Corporation. (See Werner, C. J., and Rutherford, assignors.)
General Refrigeration Corporation. (See Swart, Richard H., assignor.)
General Tire & Rubber Company, The. (See Brown, Ray W., assignor.)
Gettelman, Fredrick, Milwaukee, Wis. Case. 2,243,625; May 27.
Gibson, Horace E., and L. Q. Moore, Pueblo, Colo. Car seal. 2,243,376; May 27.
Gidlof, Alfred M. I. (See Johansson, A. G., Gidlof, Bergstrom, and Olsson.)
Giles, Joseph W. and W. J., Philadelphia, Pa., assignors, by mesne assignments, to Jersey Cigar Machines, Inc., Belleville, N. J. Apparatus for making a bunch. 2,243,699; May 27.
Giles, William J. (See Giles, Joseph G. and W. J.)
Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Furnace damper control system. 2,243,753; May 27.
Gisholt Machine Company. (See Johnson, George H., assignor.)
Glanzer, Clarence J. (See Walton, G. M., and Glanzer.)
Glitsch, Hans C. (See Crickmer, C. S., and Glitsch.)
Glosier, Paul, Maplewood, Mo. Paint bucket hanger. 2,243,799; May 27.
Gluyas, Thomas M., Jr., Kansas City, Mo., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Grid modulated amplifier. 2,243,504; May 27.
Goodhue, William M., Cambridge, Mass., assignor to General Electric Company. Electric translating system. 2,243,558; May 27.
Goodyear, James W., Birkenhead, England. Jet propulsion of water-borne vessels. 2,243,800; May 27.
Goss Printing Press Company, The. (See Crafts, Curtis S., assignor.)
Granger, Charles H., assignor to Waterbury Clock Company, Waterbury, Conn. Maintained power synchronous electric clock and other timing devices. 2,243,734; May 27.
Gregg, David, Caldwell, and R. Daalder, Paterson, N. J., assignors to Bendix Aviation Corporation, South Bend, Ind. Servo system. 2,243,626; May 27.
Gregg, David, Caldwell, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Pressure regulating system. 2,243,627; May 27.
Gregory, James A., Portland, Oreg. Electric control valve mechanism. 2,243,801; May 27.
Griffith, Clement P., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Self-cleaning filter. 2,243,559; May 27.
Griffith, Earl G., and H. L. Johnson, Jamestown, N. Y. Lantern reflector. 2,243,672; May 27.
Grinnell, Harold D., assignor to The G. C. A. Manufacturing Co., Pittsfield, Mass. Fuse remover. 2,243,528; May 27.
Griswold, Donald G., assignor to Clayton Manufacturing Company, Alhambra, Calif. Water softening apparatus. 2,243,815; May 27.
Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Flush tank valve. 2,243,203; May 27.
Groeniger, William C., Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y. Waste and overflow outlet and fitting therefor. 2,243,204; May 27.
Grossman, Abraham, and L. Jerg, Chicago, Ill. Colostomy appliance. 2,243,529; May 27.
Grossman, Cornell J., Millburn, N. J. Refractory dental mold for casting alloys. 2,243,094; May 27.
Guiberson Corporation, The. (See Pranger, A., and Guiberson, assignors.)
Guiberson, Samuel A., 3rd. (See Pranger, A., and Guiberson.)
Gulf Oil Corporation. (See Vander Henst, Jan, assignor.)
Gustafson, Carl A., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Road machine. 2,243,251; May 27.
Gutterman, Robert P., Brookline, Mass. Molding composition and method of making. 2,243,700; May 27.
Hahne, George S. (See Walker, Raymond R., assignor.)
Halbig, Paul, and A. Treibs, assignors to Consortium für Elektrochemische Industrie G. m. b. H., Munich, Germany. Producing butanol-(1)-one-(3). 2,243,701; May 27.
Hall, Edward H., Chicago, Ill. Pneumatic press. 2,243,205; May 27.
Hall, Edward H., Chicago, Ill. Clutch controlled die press or the like. 2,243,206; May 27.
Hall, Joseph F., Walpole, and C. P. Dunn, assignors to Plimpton Press, Norwood, Mass. Mechanism for cleansing type in galleys. 2,243,152; May 27.
Hall, Ralph W., and H. A. Smith, Fort Wayne, Ind., assignors to General Electric Company. Insulated electrical conductor. 2,243,560; May 27.
Haller, Ludwig, Stuttgart, Germany. Set of false teeth. 2,243,377; May 27.
Hamilton Enterprises, Inc. (See Elliott, Clarence E., assignor.)
Hammer, Hyman C., assignor to Price Brothers, Inc., Chicago, Ill. Illuminated sign. 2,243,816; May 27.
Hammermill Paper Company. (See Finster, Robert F., assignor.)
Hammond, John H., Jr., Gloucester, and G. A. Colley, Newton Center, Mass., said Colley assignor to said Hammond. Variable pitch propeller control. 2,243,095; May 27.
Hampden National Bank & Trust Co. of Westfield, Mass., executor. (See McKean, John O.)
Hampton, Burt L. (See Hasselström, T., and Hampton.)
Hancock Manufacturing Company. (See Marple, Rollo, assignor.)
Hanger, Emmett N., Washington, D. C. Hanger. 2,243,153; May 27.
Hanna, William M., Schenectady, N. Y., assignor to General Electric Company. Electric power transmission system. 2,243,561; May 27.
Hans, Edmund E., Detroit, Mich. Heater. 2,243,562; May 27.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Frequency monitor and detector. 2,243,702; May 27.
Harber, Laurence S., Peterborough, England, assignor to Baker Perkins Incorporated, Saginaw, Mich. Dividing dough and the like. 2,243,338; May 27.
Hardin, Stanford A., Florence, Ala. Electrode seal. 2,243,096; May 27.
Harnischfeger Corporation. (See Wendelburg, F. W., and Wadd, assignors.)
Harris, Sydney E. (See Christiansen, W. G., and Harris.)
Harter, Isaac. (See Trainer, J. E., Harter and Roger.)
Hartmann, Carl Wilhelm, Lyngby, Denmark. Carton container. 2,243,378; May 27.
Hartmann, Milford W., Hutchinson, Kans. Food grinding mill. 2,243,476; May 27.
Harvill, Edward, Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc. Insecticidal composition. 2,243,207; May 27.
Haskins, Curtiss X., assignor of one-half to I. G. Parsons, Spokane, Wash. Tire tread surfacing machine. 2,243,461; May 27.
Hass, Henry B. (See Susie, A. G., and Hass.)
Hasselström, Torsten, and B. L. Hampton, said Hampton assignor to G & A Laboratories, Inc., Savannah, Ga. Treating foots of spirits of turpentine to obtain phenol ethers. 2,243,802; May 27.
Hawaiian Pineapple Company. (See Tachi, Tadao, assignor.)
Hawley, John B., Jr., Minneapolis, Minn. Submersible pump sealing means. 2,243,208; May 27.
Hazard, Ellison L., San Francisco, Calif., assignor to Continental Can Company, Inc., New York, N. Y. Side seam for sheet metal containers. 2,243,628; May 27.
Hazeltine Corporation. (See Herbst, Philip J., assignor.)
Heald Machine Company, The. (See Blood, Harold L., assignor.)
Hedrick, Clarence E., Newton, Kans. Poultry feeder. 2,243,154; May 27.
Heinrich, Edmund T. (See Henzel, J. H., and Heinrich.)
Henderson, Nathan F. (See Festervan, B. J., and Henderson.)
Henderson, Stanley T., Iver, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Fluorescent screen. 2,243,097; May 27.

Henry, Raymond, Rock Island, Ill. Molded drain hose. 2,243,673; May 27.
Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Copper alloy. 2,243,276; May 27.
Henzel, John H., and E. T. Heinrich, Cleveland, Ohio. Refractory wall construction. 2,243,339; May 27.
Herbst, Philip J., Bayside, N. Y., assignor to Hazeltine Corporation. Video-frequency signal-translating system. 2,243,599; May 27.
Herold, James L., St. Louis, and F. W. Wehmiller, Ladue, assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo. Loading device. 2,243,313; May 27.
Herrmann, Karl L., South Bend, Ind. Internal combustion engine. 2,243,817; May 27.
Herrmann, Karl L., South Bend, Ind. Internal combustion engine. 2,243,818; May 27.
Herrmann, Karl L., South Bend, Ind. Internal combustion engine. 2,243,819; May 27.
Herrmann, Karl L., South Bend, Ind. Internal combustion engine. 2,243,820; May 27.
Herrmann, Karl L., South Bend, Ind. Internal combustion engine. 2,243,821; May 27.
Herrmann, Karl L., South Bend, Ind. Internal combustion engine. 2,243,822; May 27.
Herrmann, Paul J., Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands. Tobacco rod forming mechine. 2,243,703; May 27.
Hess, Frederic O., assignor to The Selas Company, Philadelphia, Pa. Gas mixing machine. 2,243,704; May 27.
Hester, William F., Drexel Hill, assignor to Röhm & Haas Company, Philadelphia, Pa. Insecticidal process. 2,243,477; May 27.
Hester, William F., Drexel Hill, assignor to Röhm & Haas Company, Philadelphia, Pa. Insecticide. 2,243,479; May 27.
Hild, Frederic W., Los Angeles, Calif. Rotary blowout preventer. 2,243,340; May 27.
Hill, Frank B., and T. Jackson, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture and treatment of artificial textile materials. 2,243,705; May 27.
Hill, Rowland, assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Inside control hood latch. 2,243,803; May 27.
Hille, Heinrich, Berlin, Germany, assignor to Transart Aktiebolag, Gothenburg, Sweden. Printing on transparent flexible foil material. 2,243,706; May 27.
Himes, Ross A., Piedmont, Calif. Paper box and making the same. 2,243,421; May 27.
Hirschfield, Clarence F. (See Blue, L. E., and Hirschfield.)
Hi-way Service Corporation. (See Kerber, Joseph H., assignor.)
Hizdos, Frank, Bethlehem, Pa. Door lock. 2,243,155; May 27.
Hoch, Fred W., Forest Hills, N. Y. Testing ink requirements. 2,243,674; May 27.
Hodgson, William W., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Rebate check holder for containers. 2,243,629; May 27.
Holcomb, J. I., Manufacturing Company. (See Otto, William C., assignor.)
Hollander, Herbert E., and E. A. Lewis, New York, N. Y. Finger bandaging unit. 2,243,422; May 27.
Hollingsworth, R. Lee, Riverhead, N. Y., assignor to Radio Corporation of America. Automatic volume control circuit. 2,243,423; May 27.
Holmes, Glenn E. (See Ostolaza, F., and Holmes.)
Holmes, James F. (See Ness, W. H. C., and Holmes.)
Holtkamp, Clifford, assignor to The C. W. Zumbiel Company, Cincinnati, Ohio. Paper box. 2,243,825; May 27.
Holtz, Frederick C., assignor to Sangamo Electric Company, Springfield, Ill. Electrical measuring apparatus. 2,243,098; May 27.
Honegger, John A., assignor to Specialties Development Corporation, Bloomfield, N. J. Capsule or container for highly compressed fluid media. 2,243,754; May 27.
Honekamp, Richard J., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Chip control means. 2,243,277; May 27.
Honey, Reginald, et al. (See Kadish, Frederick, assignor.)
Hoover Company, The. (See Becker, Bernard C.)
Hoover Company, The. (See Berg, Quentin, assignor.)
Hoover Company, The. (See Carlson, Vernon E., assignor.)
Horni, Paul P., Newark, N. J. Directional traffic control system. 2,243,341; May 27.
Horowitz, Oskar, Brooklyn, assignor to Albert I. Elias, New York, N. Y. Flux composition for welding and soldering aluminum. 2,243,424; May 27.
Horst, Karl. (See Orthner, L., Balle, Horst, and Schild.)
Hottenroth, Frederick W., Jr., Schenectady, N. Y., assignor to General Electric Company. Control device. 2,243,563; May 27.
Houk, Alva L., Philadelphia, and L. H. Bock, Glenside, assignors to Röhm & Haas Company, Philadelphia, Pa. Reaction of polysaccharides with aminomethyl pyrroles. 2,243,630; May 27.
Howe, Frank D., Cuyahoga Falls, and J. Riise, Doylestown, Ohio. Power plant. 2,243,156; May 27.
Howton, James O., Freewater, Oreg., assignor to Howton Radio Alarm Company, Seattle, Wash. Alarm system. 2,243,804; May 27.
Howton Radio Alarm Company. (See Howton, James O., assignor.)
Hubbard Spool Company. (See Tucker, George G., Jr., assignor.)
Huggins, Bemis, assignor of one-half to B. C. Jarrell & Company, Humboldt, Tenn. Collapsible crate hinge. 2,243,157; May 27.
Hulsh, Benjamin M. (See Rosen, S., and Hulsh.)
Hulst, George D., Jr., Upper Montclair, N. J. Method and apparatus for generating harmonics. 2,243,600; May 27.
Huss, Raymond S., Bala-Cynwyd, R. E. Strob, Philadelphia, Pa., and J. M. Ashmore, Palmyra, N. J., assignors to The Turner & Harrison Steel Pen Manufacturing Company, Inc., Philadelphia, Pa. Pen and method of manufacturing the same. 2,243,342; May 27.
Hutchison, Wallace I., Detroit, Mich. Statistical chart. 2,243,209; May 27.
Huxford, George T., North Kingstown, and E. R. Loud, Cranston, assignors to Builders Iron Foundry, Providence, R. I. Fluid flow meter. 2,243,252; May 27.
Hydraulic Development Corp. Inc., The. (See MacMillin, H. F., and Lawyer, assignors.)
Ideal Commutator Dresser Company. (See Buettell, Marc A., assignor.)
Ihagee Kamerawerk Steenbergen & Company. (See Koehl, Konrad, assignor.)
Ikeda, Saburo. (See Ono, K., and Ikeda.)
Imperial Chemical Industries Limited. (See Reynolds, R. J. W., Walker, and Woolvin, assignors.)
India Rubber, Gutta Percha and Telegraph Works Company, Limited, The. (See Tarris, Frederick J., assignor.)
Ingraham, E., Company, The. (See Poole, Arthur B., assignor.)
International Business Machines Corporation. (See Bryce, James W., assignor.)
International Cigar Machinery Company. (See Clausen, Sigurd, assignor.)
International Projector Corporation. (See Kindelmann, A., and Soehl, assignors.)
Irvington Varnish & Insulator Co. (See Van Norde, P., and Bellingham, assignors.)
Isaacson, Max. (See Rehse, Frank H., assignor.)
Jackson, Thomas. (See Hill, F. B., and Jackson.)
James, Gerald Wayne, assignor to Zephyr-Lite Mfg. Co., Chicago, Ill. Apparatus for testing fluorescent lamps, control units, and circuits. 2,243,753; May 27.
James, Harold V., Denver, Colo. Tire casing buffer. 2,243,707; May 27.
Jarrell, B. C., & Company. (See Huggins, Bemis, assignor.)
Jasco Incorporated. (See Cantzler, A., and Krekeler, assignors.)
Jendrassik, George, Budapest, Hungary. Process and equipment for gas turbines. 2,243,467; May 27.
Jerg, Louis. (See Grossman, A., and Jerg.)
Jersey Cigar Machines, Inc. (See Giles, Joseph W., and W. J., assignors.)
Johansson, Axel G., Nalden, A. M. I. Gidlöf, Ljusne, Sten Bergström, Stockholm, and B. M. Olsson, Nalden, Sweden. Barking drum. 2,243,631; May 27.
Johansson, Johan R., Stockholm, Sweden. Apparatus for treating screen plates 2,243,158; May 27.
Johnson, George H., assignor to Gisholt Machine Company, Madison, Wis. Machine tool. 2,243,379; May 27.
Johnson, Glenn D., Compton, assignor to Baash-Ross Tool Company, Los Angeles, Calif. Tool useful in recovering well tubing, well casing, etc. 2,243,099; May 27.
Johnson, Henning E., Everett, Wash. Roof clamp. 2,243,468; May 27.
Johnson, Howard, Brooklyn, N. Y. Clock. 2,243,343; May 27.
Johnson, Howard L. (See Griffith, E. G., and Johnson.)
Johnson, John, New York, N. Y. Alloy for soldering aluminum. 2,243,278; May 27.
Johnson, Menfred L., Glendale, assignor to Vitamin Technologists, Inc., Los Angeles, Calif. Synthesis of vitamin D. 2,243,632; May 27.
Johnson Service Company. (See Otto, Carl A., assignor.)
Jones, Arnold W., and Company. (See Marinetti, Edward G., assignor.)
Jones, Ira M. (See Kohls, E. E., and Jones.)
Jones, Ruel A., assignor to The R. A. Jones & Company, Covington, Ky. Soap wrapping machine. 2,243,633; May 27.
Jones, R. A., & Company, The. (See Jones, Ruel A., assignor.)
Joyce, Richard F., Haverhill, Mass. Lock mechanism. 2,243,708; May 27.
Judd, H. L., Company. (See Whitehead, O. N., and Crawford, assignors.)
Junghans, Siegfried, Stuttgart, Wurtemberg, Germany, assignor to Irving Rossi, New York, N. Y. Casting of metals and/or metal alloys and more particularly to a method of maintaining a uniform rate of flow of the molten mass into the mold or chill. 2,243,425; May 27.
Kadish, Frederick, Cleveland, Ohio, assignor of one-third to P. Becker and one-third to R. Honey. Soap holder. 2,243,634; May 27.

Kalamazoo Sled Company. (See Kidder, William E., assignor.)
Kallo, Inc. (See Verbeek, Arnold F., assignor.)
Kallo, Inc. (See Verbeek, A., and Eissner, assignors.)
Karasiewicz, Cornelia, Highland Park, Mich. Curling and crimping device. 2,243,635; May 27.
Karst, George, assignor to Taylor Instrument Companies, Rochester, N. Y. Flow diversion valve system. 2,243,344; May 27.
Kaupang, Oliver E. (See Roan, C. M., Kaupang, and Rohlen.)
Kauppi, Toivo A. (See Bacon, K. D., and Kauppi.)
Kelser, Bernhard. (See De Groote, M., and Kelser.)
Kelley-Koett Manufacturing Company, The. (See Lee, William M., assignor.)
Kelley, Walter, Van Nuys, Calif. Pouring ring for sealing pipes. 2,243,314; May 27.
Ken-Vic, Inc. (See Tota, Kenneth P., assignor.)
Kennedy, Woodford A., Charlotte, N. C. Gearing. 2,243,100; May 27.
Kent-Owens Machine Company. (See Tremblay, Albert F., assignor.)
Keppler, Glenn M., North Manchester, Ind. Chick brooder. 2,243,159; May 27.
Kerber, Joseph H., assignor to Hi-Way Service Corporation, Milwaukee, Wis. Road grader. 2,243,564; May 27.
Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Filling valve. 2,243,463; May 27.
Kerstein, Jacob, Brooklyn, assignor to Spring Products Corporation, New York, N. Y. Cushion spring structure. 2,243,210; May 27.
Kidder, William E., assignor to Kalamazoo Sled Company, Kalamazoo, Mich. Sled. 2,243,345; May 27.
Kierner, Anton, assignor to Emil Prazak, Elizabeth, N. J. Tacking stitch sewing machine. 2,243,211; May 27.
Kimball, Arthur L., Schenectady, N. Y., and G. W. Dunham, Westport, Conn., assignors to General Electric Company. Washing machine. 2,243,565; May 27.
Kimball, Charles N. (See Anderson, E. I., and Kimball.)
Kimball, Donald G., Stratford, Conn., assignor to General Electric Company. Electric switch. 2,243,566; May 27.
Kindelmann, Albert, Floral Park, and C. A. Soehl, Hensonville, assignors to International Projector Corporation, New York, N. Y. Support for motion picture projection machines or the like. 2,243,212; May 27.
Kinker, Clarence C., Montreal, Quebec, Canada, assignor to Owens-Illinois Glass Company. Actuating mechanism for cutoff knives. 2,243,756; May 27.
Kinney, Grayson T., assignor to The Cleveland Tractor Company, Cleveland, Ohio. Wheel construction. 2,243,380; May 27.
Kinney, Herman B., Oakland, Calif. Cabinet. 2,243,279; May 27.
Kinninger, Carl A., Dayton, Ohio. Wall tie for concrete forms. 2,243,346; May 27.
Kinsella, Edward, Spondon, near Derby, England, assignor to Celanese Corporation of America. Apparatus for winding yarn into cheeses. 2,243,101; May 27.
Kircher, Reymond J., Neptune, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultra high frequency system. 2,243,426; May 27.
Kirst, Werner. (See Kränzlein, G., Müller, and Kirst.)
Kistler, Ray H. (See Clark, Charles H., assignor.)
Klatzow, Leonard. (See Lubszynski, H. G., and Klatzow.)
Kleffel, Harrison E., Brooklyn, N. Y. Tube covering. 2,243,427; May 27.
Klein, Cletus A., and B. H. Russell, Caro, Mich. Tow bar for automobiles. 2,243,347; May 27.
Klemperer, Otto, Iver, assignor to Electric & Musical Industries, Limited, Hayes, Middlesex, England. Electron device. 2,243,102; May 27.
Klipsch, Paul W., and S. Bilinsky, assignors to E. E. Rosaire, Houston, Tex. Electrical prospecting. 2,243,428; May 27.
Klopfer, Volkmar, Dresden, Germany. Manufacturing sugar. 2,243,381; May 27.
Knapp, John L., St. Joseph, Mo. Bag closing and sealing machine. 2,243,805; May 27.
Knedel, Walter. (See Von Weingraber, H., and Knedel.)
Knox, Harry A., Washington, D. C. Brake. 2,243,103; May 27.
Knoy, Marion F., Long Beach, Calif. Air conditioning apparatus and method. 2,243,478; May 27.
Koehl, Konrad, assignor to Ihagee Kamerawerk Steenbergen & Company, Dresden, Germany. Projection apparatus. 2,243,160; May 27.
Koenig, Alphonso L., Chicago, Ill. Beverage dispensing draft arm. 2,243,675; May 27.
Koethen, Frederick L., Niagara Falls, N. Y., assignor to E. I. Du Pont de Nemours & Company, Wilmington, Del. Preventing copper plating. 2,243,104; May 27.
Kohls, Erich E., Fairy Chasm, and I. M. Jones, Thiensville, Wis., assignors to Continental Machines, Incorporated, Minneapolis, Minn. File band. 2,243,757; May 27.
Kok, Albert, San Jose, Calif. Apparatus for pitting cherries. 2,243,530; May 27.
Kolar Mines Power Station, Limited. (See Freeman, Henry, assignor.)
Koppelman, Morris D., assignor to Western Cartridge Company, New Haven, Conn. Dry cell. 2,243,676; May 27.
Korbuly, Károly, Csepel, Hungary, assignor to Tube Industrial Participation Limited, Breganzona-Lugano. Push bench apparatus. 2,243,382; May 27.
Kosar, John G. (See Von Till, L. A., and Kosar.)
Kraetch, Paul H., Astoria, Oreg. Milk bottle spout. 2,243,636; May 27.
Kramer, Bernard L., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,243,315; May 27.
Kranz, Harry W., assignor to The Cleveland Welding Company, Cleveland, Ohio. Chair. 2,243,253; May 27.
Kränzlein, Georg, and C. J. Müller, Frankfort-on-the-Main, and W. Kirst, Konigstein in Taunus, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Process of producing fast dyeings on cellulose esters and ethers and the dyed fiber obtained thereby. 2,243,213; May 27.
Krause, Walter H., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill. Unitary guiding and latching means for automobile hoods. 2,243,758; May 27.
Krauth, Edwin A., Bronx, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency modulation receiver. 2,243,214; May 27.
Krekeler, Hans. (See Cantzler, Adolf, and Krekeler.)
Kucher, Andrew A., assignor to General Motors Corporation, Dayton, Ohio. Making motor-compressor unit for refrigeration. 2,243,464; May 27.
Kucher, Andrew A., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,243,465; May 27.
Kucher, Andrew A., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,243,466; May 27.
Kurschner, Lloyd F., Eau Claire, Wis. Radiator cover for automobiles. 2,243,601; May 27.
Kuzmick, Paul L., Clifton, N. J., assignor to J. K. Smit & Sons, Inc., New York, N. Y. Abrasive tool. 2,243,105; May 27.
Kyle, Lyman H., Alhambra, Calif. Hydraulic shock absorber. 2,243,280; May 27.
Lagaard, Alexander S. T., assignor to Dough-King, Inc., Minneapolis, Minn. Doughnut machine. 2,243,709; May 27.
Lagaard, Alexander S. T., assignor to Dough-King, Inc., Minneapolis, Minn. Doughnut machine. 2,243,710; May 27.
Lahti, Anard A., assignor to Lahti Incorporated, Tacoma, Wash. Plywood panel joint. 2,243,161; May 27.
Lahti Incorporated. (See Lahti, Anard A., assignor.)
Lamb, John, Monkseaton, Northumberland, England. Automatically acting relief valve. 2,243,711; May 27.
Landis, George G., University Heights, and F. Malner, assignors to The Lincoln Electric Company, Cleveland, Ohio. Air conditioner. 2,243,637; May 27.
Landis & Gyr, A-G. (See Spahn, Emil, assignor.)
Landis Tool Company. (See Balsiger, H. E., and Price, assignors.)
Landis Tool Company. (See Wine, Edgar P., assignor.)
Langbein-Pfanbauser-Werke Aktiengesellschaft. (See Laux, Rudolf, assignor.)
Lange, Frederick E., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fluid fuel burner control system. 2,243,602; May 27.
Langmyhr, George J., Sarnia, Ontario, Canada, assignor to Standard Oil Development Company. Combination screw and ratchet wrench for tank car safety valves. 2,243,431; May 27.
La Pointe Machine Tool Company, The. (See Monroe, Kenneth C., assignor.)
Large, Wayne V. R., Hollis, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Regenerative impulse repeater. 2,243,215; May 27.
Larsen, Earl I. (See Hensel, F. R., and Larsen.)
Larsen, Lawrence C., San Francisco, Calif. Building block. 2,243,316; May 27.
Larson, Jos E., Malung, Sweden. Tent. 2,243,638; May 27.
Laux, Rudolf, assignor to Langbein-Pfanhauser-Werke Aktiengesellschaft, Leipzig, Germany. Electroplating of nonconductive surfaces. 2,243,429; May 27.
Lawson, Harry B. (See Nye, Alvin F., assignor.)
Lawyer, Ira B. (See MacMillin, H. F., and Lawyer.)
Laxo, Ed, Toledo, Ohio. Razor. 2,243,348; May 27.
Layman, John H. (See Collinge, L. C., and Layman.)
Leahy, David R., Schenectady, assignor to American Locomotive Company, New York, N. Y. Window. 2,243,735; May 27.
Leber, Alois, Vienna, Germany. Photoelectric exposure meter. 2,243,383; May 27.
Le Blond, R. K., Machine Toole Company, The. (See Honekamp, Richard J., assignor.)
Lee, William M., assignor to The Kelley-Koett Manufacturing Company, Incorporated, Covington, Ky. Transformer compensated for precise measurements. 2,243,162; May 27.
Lehman, Laurence N., assignor to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,243,806; May 27.

Lehmann, Herbert G., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,243,639; May 27.
Lehrecke, Hans, assignor to Aktiebolaget Kemiska Patenter, Landskrona, Sweden. Apparatus for mixing and granulating substantially plastic materials. 2,243,384; May 27.
Leoni, Alfonso M. (See Fuld, M., and Leoni.)
Leverenz, Humboldt W., Collingswood, N. J., assignor to Radio Corporation of America. Luminescent screen. 2,243,828; May 27.
Levy, Joseph, Brooklyn, N. Y., assignor to Century Lighting, Inc. Electric lighted illuminating sphere fixture. 2,243,712; May 27.
Lévy, René L., Montrouge, France, assignor to Société d'Inventions Aéronautiques et Mécaniques S. I. A. M., Fribourg, Switzerland. Hydraulic remote control device. 2,243,385; May 27.
Lewis, Edwin A. (See Hollander, H. E., and Lewis.)
Lewis, Robert R., Baldwin, and A. J. Weiss, Mineola, assignors to Vulcan Proofing Company, New York, N. Y. Composition of matter. 2,243,386; May 27.
Liberty, George W., and G. Bratt, assignors to National Development Company, Lynn, Mass. Edge setting and inking machine. 2,243,163; May 27.
Liebenberg, Arthur J., assignor to The Warner Elevator Mfg. Company, Cincinnati, Ohio. System of elevator control. 2,243,349; May 27.
Lighter, Stephen, Chicago, Ill. Shirt wrapper. 2,243,350; May 27.
Limbert, Rollin J., Conshohocken, assignor to Suction Cup Lamp Changer Co., Scranton, Pa. Lamp changer. 2,243,106; May 27.
Lincoln Electric Company, The (See Landis, G. G., and Malner, assignors.)
Linde, Leonard J., Drexel Hill, Pa., assignor to General Electric Company. Electric disconnecting device. 2,243,567; May 27.
Lindell, Sigurd I., assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Fuse construction. 2,243,107; May 27.
Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Frequency modulation. 2,243,216; May 27.
Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Wide band antenna. 2,243,677; May 27.
Lindgren, Harry M. (See Schwenden, Carl A., assignor.)
Lindstaedt, Frank F., Oakland, Calif. Horticultural emulsion spray compound. 2,243,254; May 27.
Lionel Corporation, The. (See Ehret, Anthony, assignor.)
Lipton, Harry S. (See Sears, H. M., and Rothenberg, assignors.)
Liquid Carbonic Corporation, The. (See Whitenack, Charles H., assignor.)
Liverance & Van Antwerp. (See Den Besten, Gerrit, assignor.)
Livingston, Robert E., Hayward, Calif. Hose holder. 2,243,387; May 27.
Löblein, Fritz, assignor to Deutsche Celluloid-Fabrik Aktiengesellschaft, Eilenburg, Germany. Producing artificial leather. 2,243,736; May 27.
Lockhart, William K. (See Wells, W. B., and Lockhart.)
Logue, Leland H. (See Daman, A. C., and Logue.)
Lorini, Osmun W., Yonkers, N. Y. Spring 2,243,217; May 27.
Loud, Edgar R. (See Huxford, G. T., and Loud.)
Lowe, Joe, Corporation. (See Thomas, Norman M., assignor.)
Lowry, Edward N., Syracuse, N. Y. Ring forming machine. 2,243,351; May 27.
Lubszynski, Hans G., Hillingdon, and L. Klatzow, London, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Light sensitive electrode. 2,243,108; May 27.
Lucke, Charles E., New York, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid heat exchange apparatus. 2,243,430; May 27.
Lynn, John P., Chicago, assignor to Dur-O-Lite Pencil Company, Melrose Park, Ill. Mechanical pencil. 2,243,109; May 27.
Lyon Metal Products, Incorporated. (See Bales, James E., assignor.)
Lyons, Daniel A., Los Angeles, and L. R. Earl, Alhambra, Calif., assignors to Consolidated Steel Corp., Ltd., Los Angeles, Calif. Apparatus for centrifugally molding or lining pipes. 2,243,218; May 27.
Maclear, Lucie J., assignor to Van Raalte Company, New York, N. Y. Garment. 2,243,531; May 27.
Macdonald, Kenneth W., Watertown, and O. W. Wikstrom, West Newton, assignors to United States Automatic Box Machinery Co., Inc., Roslindale, Mass. Paper container forming mechanism. 2,243,352; May 27.
MacMillin, Howard F., and I. B. Lawyer, Mount Gilead, Ohio, assignors to The Hydraulic Development Corp. Inc., Wilmington, Del. Pump servomotor with rotary control and torque motor. 2,243,603; May 27.
Madaras Corporation. (See Madaras, Julius D., assignor.)
Madaras, Julius D., Detroit, Mich., assignor to Madaras Corporation. Method of and apparatus for reducing ores and effecting other chemical reactions. 2,243,110; May 27.
Maddock, Robert H., assignor to The Midland Steel Products Company, Cleveland, Ohio. Insulated metal barrel. 2,243,164; May 27.
Magney, Gottlieb R., Minneapolis, Minn. Humidifier, heater, and dehumidifier. 2,243,281; May 27.
Magyarosi, Joseph, Columbus, Ohio. Fishing rod holder. 2,243,388; May 27.
Malleable Iron Fittings Company. (See Agnew, George A., assignor.)
Mallory, P. R., & Co., Inc. (See Hensel, F. R., and Larsen, assignors.)
Malner, Frank. (See Landis, G. G., and Malner.)
Malone, Homer F., assignor to Stewart-Warner Corporation, Chicago, Ill. Sending unit for indicators. 2,243,807; May 27.
Maluo, Joseph, Honolulu, Territory of Hawaii. Clock. 2,243,759; May 27.
Mandl, Martin, assignor to The Standard Metal Refining Co., Baltimore, Md. Recovery of tin. 2,243,165; May 27.
Manhattan Shirt Company, The. (See Vandermade, John, assignor.)
Marathon Paper Mills Company. (See Meller, John G., assignor.)
Marinetti, Edward G., Riverside, assignor of one-half to Arnold W. Jones and Company, Inc., Providence, R. I. Shoe. 2,243,737; May 27.
Marion Machine Company. (See McNeill, Joe, assignor.)
Maris, James C., Glenolden, Pa. Six wheel truck. 2,243,640; May 27.
Marlow, Alfred S. (See Stratton, Albert C., assignor.)
Marple, Rollo, assignor to Hancock Manufacturing Company, Jackson, Mich. Latching device. 2,243,282; May 27.
Martin, Friedrich, Mulheim-Speldorf, O. Roelen, Oberhausen-Holten, and P. Schaller, Oberhausen-Sterkrade, assignors to Ruhrchemie Aktiengesellschaft, Oberhausen, Holten, Germany. Process for producing Diesel oils. 2,243,760; May 27.
Martinet, Eugene F., Cleveland, and H. Van Schoor, Shaker Heights, assignors to The P. A. Geier Company, Cleveland, Ohio. Dust bag for suction cleaners. 2,243,353; May 27.
Maruhn, Herbert, Bad Cannstatt, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Motor driven vehicle. 2,243,713; May 27.
Mather, Irwin E., assignor to Stewart-Warner Corporation, Chicago, Ill. Odometer. 2,243,738; May 27.
Matzka, Wincenty, Grasse, France. Sterilization of liquids. 2,243,761; May 27.
Maude, John H. (See Muir, W. P., and Maude.)
Mautner, Etienne, assignor to Skydyne Inc., New York, N. Y. Aircraft. 2,243,432; May 27.
Maybach-Motorenbau G. m. b. H. (See Meyer, Gustav, assignor.)
Maynard, Charles E., Northampton, Mass., assignor, by mesne assignments to United States Rubber Company, New York, N. Y. Tire vulcanizer. 2,243,532; May 27.
Mayo, Edward L., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Thermostat. 2,243,714; May 27.
McDonald, Harry T., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Seal. 2,243,255; May 27.
McFarland, Forest R., Ferndale, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,243,111; May 27.
McFarlane, Maynard D., Hollywood, Calif. Amplifying device. 2,243,533; May 27.
McIlvried, Edwin J., Stow, and N. H. Nye, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Reeling apparatus. 2,243,480; May 27.
McIntyre, Otis L., San Carlos, Calif. Pipe holder. 2,243,433; May 27.
McKean, John O., Westfield, Mass., deceased, Hampden National Bank & Trust Co. of Westfield, Massachusetts, Westfield, Mass., executor, assignor to Foster Machine Company, Westfield, Mass. Yarn guide control for winding machines. 2,243,678; May 27.
McKeown, Samuel C. (See Van Deventer, H. R., and McKeown.)
McManigal, Robert M., et al. (See Eubanks, Floyd G., assignor.)
McNeill, Joe, assignor to Marion Machine Company, Marion, N. C. Clamp for crusher jaws. 2,243,389; May 27.
Mechanische Weberei G. m. b. H. (See Mikus, Clemens, assignor.)
Meller, John G., Wausau, assignor to Marathan Paper Mills Company, Rothschild, Wis. Furfuryl alcohol resin. 2,243,481; May 27.
Menke, Edward W., Chicago, Ill. Reflector. 2,243,434; May 27.
Mercer, Zou, Wilmington, N. C. Barber's apron. 2,243,505; May 27.
Mercier, Harvey O., East Orange, N. J., assignor to National Biscuit Company, New York, N. Y. Safety device for band ovens. 2,243,390; May 27.
Mercury Timer Company. (See Clark, Leroy A., assignor.)
Merla Tool Company. (See Crickmer, C. S., and Glitsch, assignors.)
Mexican American Hat Company. (See Ostolaza, F., and Holmes, assignors.)
Meyer, Gustav, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Bodensee, Germany. Power and speed transmission, especially in motor vehicles. 2,243,482; May 27.

Middler, Alexander J., Detroit, Mich. Toy submarine. 2,243,568; May 27.
Midland Steel Products Company, The. (See Maddock, Robert H., assignor.)
Mikus, Clemens, assignor to Mechanische Weberei G. m. b. H., Bad Lippspringe, Germany. Apparatus for raising and lowering projection screens. 2,243,391; May 27.
Milan, Horace R., St. Louis, Mo., assignor to one-half to O. L. Bluege, Washington, D. C. Cigarette and cigar lighter. 2,243,762; May 27.
Milan, Horace R., St. Louis, Mo., asignor of one-half to O. L. Bluege, Washington, D. C. Cigarette and cigar lighter. 2,243,763; May 27.
Miles, Wilber B., Jr., Milesburg, Pa. Ornament. 2,243,764; May 27.
Miller, Elmer L., assignor to The Dayton Steel Foundry Company, Dayton, Ohio. Independently rotatable dual wheel construction. 2,243,569; May 27.
Miller, Floyd L. (See Morway, A. J., and Miller.)
Miller, George W., Covington, Ohio. Hedge trimmer. 2,243,641; May 27.
Miller, Thomas D., Clarksville, Md. Metal roof covering. 2,243,256; May 27.
Miller, Wayland R., Oconomowoc, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Combustion control system. 2,243,715; May 27.
Mining Process and Patent Company. (See Daman, A. C., and Logue, assignors.)
Minneapolis-Honeywell Regulator Company. (See Fischer, George H., assignor.)
Minneapolis-Honeywell Regulator Company. (See Gille, Willis H., assignor.)
Minneapolis-Honeywell Regulator Company. (See Lange, Frederick E., assignor.)
Minneapolis-Honeywell Regulator Company. (See Miller, Wayland R., assignor.)
Mitchell, Byron V., Jamaica, N. Y. Unitary vulcanizing element. 2,243,506; May 27.
Moellerke, Carl. (See Clauss, F. M., and Moellerke.)
Moersch, Wilbur M. (See De Voe, Allen W., and Moersch.)
Molnar, Victor J., Youngstown, Ohio. Light attachment for electric razors. 2,243,483; May 27.
Monroe Calculating Machine Company. (See Gang, Herman, assignor.)
Monroe, Kenneth C., assignor to The La Pointe Machine Tool Company, Hudson, Mass. Synchronizing hydraulic rams. 2,243,716; May 27.
Monsanto Chemical Company. (See Sibley, Robert L., assignor.)
Moore, James M., assignor of forty-nine per cent to P. Wood, San Diego, Calif. Self-adjusting brake shoe. 2,243,469; May 27.
Moore, Lou Q. (See Gibson, H. E., and Moore.)
Moreira, Francisco E. de G., Sao Paulo, Brazil. Surgical device. 2,243,717; May 27.
Moreira, Francisco E. de G., Sao Paulo, Brazil. Surgical drill. 2,243,718; May 27.
Morey, Glen H., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Preparation of monohalogenated ketones. 2,243,484; May 27.
Morgan, John D., South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y. Porous refractory and process of manufacture. 2,243,219; May 27.
Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Sewing machine. 2,243,257; May 27.
Morrison, Willard L., Lake Forest, Ill. Cooling device. 2,243,570; May 27.
Morrissey, William J., New York, N. Y. Apparatus for synchronizing pictures with sound. 2,243,112; May 27.
Morrison, Robert F., Oak Park, and G. E. Wimmer, assignors to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 2,243,283; May 27.
Morse Bros. Machinery Company. (See Weinig, Arthur J., assignor.)
Morton, Lysle W. (See Moyer, E. E., Morton, and Schmidt.)
Morton, Thomas H., Braintree, assignor to Courtaulds Limited, London, England. Treatment of cellulosic textile materials. 2,243,765; May 27.
Morway, Arnold J., Clark Township, Union County, and F. L. Miller, Roselle Park, N. J., assignors to Standard Oil Development Company. Production of high molecular weight polymers from iso-olefins and halogenated derivatives of the polymers. 2,243,470; May 27.
Moto-Sway Corporation of America, (See Aron, Edmund, assignor.)
Mott, Garret, Jr., Scarsdale, N. Y., and C. L. Brown, Jr., Stamford, Conn., assignors to Electrolux Corporation, New York, N. Y. Sprayer. 2,243,435; May 27.
Moyer, Elmo E., Scotia, L. W. Morton, Schenectady, and A. Schmidt, Jr., Niskayuna, N. Y., assignors to General Electric Company. Electric valve converting system. 2,243,571; May 27.
Moyer, Elmo E., Scotia, N. Y., assignor to General Electric Co. Electric valve converting system. 2,243,572; May 27.
Muir, William P., Hampstead, Quebec, and J. H. Maude, Verdun, Quebec, assignors to Dominion Engineering Works Limited, Lachine, Quebec, Canada. Drum hoist. 2,243,642; May 27.
Müller, Carl J. (See Kränzlein, G., Müller and Kirst.)
Muller, J. C., N. V. (See Herrmann, Paul J., assignor.)
Multigrip Safety Nut, Inc. (See van Sant, Victor H. assignor.)
Mumford, Albert R., Bogota, N. J., assignor, to Consolidated Edison Company of New York, Inc., New York, N. Y. Method and apparatus for testing vapors and condensates. 2,243,436; May 27.
Munn, Alfred N., Huntington Park, Calif. Solution feeding device. 2,243,258; May 27.
Murphy, Thomas J., Stamford, Conn. Plug connector. 2,243,573; May 27.
Murphey, William, Chattanooga, Tenn. Man's shorts. 2,243,643; May 27.
Musselman, John M., assignor to The Standard Oil Company, Cleveland, Ohio. Lubricant. 2,243,485; May 27.
Musser, Clarence W., Lancaster, Pa. Speed maintaining control. 2,243,354; May 27.
Mussey, William H., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Lateral motion truck. 2,243,534; May 27.
Mussey, William H., Chicago, Ill., and R. M. Shaver, Michigan City, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Light weight boxcar. 2,243,113; May 27.
Myers, F. E., & Bro. Company, The. (See Elliott, Frank R., assignor.)
Myers, F. E., & Bro. Company, The. (See Spreng, Warren M., assignor.)
Myers, Robert J., Elkins Park, assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Plasticized protein composition. 2,243,644; May 27.
N. V. Machinefabriek "Reineveld". (See van Riel, Pieter, assignor.)
Nardone, Romeo M., East Orange, N. J. Internal combustion engine. 2,243,645; May 27.
National Biscuit Company. (See Mercier, Harvey O., assignor.)
National Brush Company. (See Baumgartner, John G., assignor.)
National Cash Register Company, The. (See Lehman, Laurence N., assignor.)
National Cornice Works. (See Ness, W. H. C., and Holmes, assignors.)
National Development Company. (See Liberty, G. W., and Bratt, assignors.)
National Hops Laboratories, Inc. (See Wood, Lyndon D., assignor.)
Nelson, Peter A., Reno, Nev. Refrigeration. 2,243,766; May 27.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction and making the same. 2,243,767; May 27.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 2,243,769; May 27.
Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 2,243,770; May 27.
Ness, William H. C., and J. F. Holmes, assignors to National Cornice Works, Los Angeles, Calif. Air circulating means and mounting therefor. 2,243,114; May 27.
Neumann, Herman F. M., Mexico, D. F., Mexico. Displacement pump. 2,243,507; May 27.
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
Newcomb, Leroy. (See Smith, D. M., and Newcomb.)
Newhall, Carl A., Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Folding machine. 2,243,115; May 27.
Newman, George W., assignor, by mesne assignments, to Wilson-Jones Company, Chicago, Ill. Loose-leaf binder. 2,243,535; May 27.
Nickle, Clifford A., Schenectady, N. Y., assignor to General Electric Company. Electrical discharge apparatus. 2,243,574; Mar. 27.
Niece, William E., assignor of seventy per cent to W. J Dammarell, Cincinnati, Ohio. Afterproof check or paper. 2,243,284; May 27.
Nielsen, Aage F., Redbank, and W. L. Paulison, Jr., Ridgewood, N. J., said Paulison assignor to Bailey Meter Company. Method and apparatus for treating sewage and industrial waste. 2,243,826; May 27.
Norris, W. C., Manufacturer, Incorporated. (See Flemming, H. V., and Barney, assignors.)
Norton Company. (See Flygare, Carl G., assignor.)
Nye, Alvin F., Rochester, assignor, by mesne assignments, to Harry B. Lawson, East Rochester, N. Y. Window closure or similar fitting. 2,243,771; May 27.
Nye, Norman H. See McIlvried, E. J., and Nye.)
Nye-Walt Company, Inc. (See Schulz, Gustav E., assignor.)
Oberhoffken, Alexander, Southfield Township, Oakland County, assignor to The American Forging & Socket Company, Pontiac, Mich. Vehicle jack. 2,243,739; May 27.
O'Brien, David J., Toledo, Ohio. Push button switch. 2,243,646; May 27.

O'Cedar Corp'n. (See Bailey, Warren G., assignor.)
O'Connor, John J. (See de Simo, M., and O'Connor.)
O'Connor, John J. (See de Simo, M., O'Connor, and Parsons.)
O'Connor, William H., East Orange, N. J. Machine for removing skin. 2,243,508; May 27.
Odenwelder, Warren L. (See Fay, K. F., and Odenwelder.)
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,243,740; May 27.
O'Leary, Charles M., et al. (See Patterson, Edgar W., assignor.)
Olin, John F., Grosse Ile, Mich., assignor to The Sharples Solvents Corporation, Philadelphia, Pa. Manufacture of nitric acid esters. 2,243,471; May 27.
Oliver United Filters Incorporated. (See Ditzen, Edward C., assignor.)
Olson, Raymond E., Pittsford, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermosensitive instrument. 2,243,355; May 27.
Olson, Raymond E., Pittsford, assignor to Taylor Instrument Companies, Rochester, N. Y. Sanitary fitting. 2,243,356; May 27.
Olsson, Bror M. (See Johansson, A. G., Gidlof, Bergstrom, and Olsson.)
Ono. Kunitaro, and S. Ikeda, Yokohama, Japan, assignors to General Electric Company. Multiple switching apparatus and method. 2,243,575; May 27.
Ormond, John J., assignor of two-thirds to J. D. Ramsey, Boston, Mass. Color printing. 2,243,486; May 27.
Orthner, Ludwig, and G. Balle, Frankfort-on-the-Main, K. Horst, Hofheim in Taunus, and H. Schild, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Sulphonic acid amides and a process of preparing them. 2,243,437; May 27.
Ostermann, Walter, Wuppertal-Barmen, Germany, assignor to American Bemberg Corporation, New York, N. Y. Apparatus for use in manufacturing artificial filaments. 2,243,116; May 27.
Ostolaza, Frank, and G. E. Holmes, assignors to Mexican American Hat Company, St. Louis, Mo. Adjustable hat. 2,243,357; May 27.
Otto, Carl A., assignor to Johnson Service Company, Milwaukee, Wis. Air conditioning control. 2,243,647; May 27.
Otto, William C., assignor to J. I. Holcomb Manufacturing Company, Indianapolis, Ind. Bladed brush for pools and the like. 2,243,576; May 27.
Overstrom, Conrad. (See Overstrom, Gustave A., G., and C.)
Overstrom, George. (See Overstrom, Gustave A., G., and C.)
Overstrom, Gustave A. and G., Eagle Rock, and C. Overstrom, Pasadena, Calif. Vibrating screen. 2,243,679; May 27.
Owens-Illinois Glass Company. (See Kinker, Clarence C., assignor.)
Oxweld Acetylene Company. (See Aronson, P. R., and Self, assignors.)
Packard Motor Car Company. (See McFarland, Forest R., assignor.)
Page, Albert E., assignor to Scott & Williams, Incorporated, Laconia, N. H. Pattern chain control mechanism. 2,243,777; May 27.
Page, Charles L., Philadelphia, Pa. Sinker. 2,243,392; May 27.
Pangborn Corporation. (See Rosenberger, William A., assignor.)
Paradis, Louis. (See Bougie, Joseph A., assignor.)
Parkinson, Leonard, Park Falls, Wis. Device for applying films of coating material to paper webs. 2,243,604; May 27.
Parsons, George S. (See de Simo, M., O'Connor, and Parsons.)
Parsons, Isaac G. (See Haskins, Curtiss X., assignor.)
Patterson, Edgar W., assignor of one-half to M. D. Patterson, Long Beach, and one-half to C. M. O'Leary, Jr., Los Angeles, Calif. Counterbalanced pumping unit. 2,2243,117; May 27.
Patterson, M. D., et al. (See Patterson, Edgar W., assignor.)
Patton, Willis A., Cleveland, and W. T. Stephens, Geneva, Ohio. Hand operated pressure producing pump. 2,243,648; May 27.
Paulison, William L., Jr. (See Nielsen, A. F., and Paulison.)
Pearson, Paul E., Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Double blank ejector. 2,243,649; May 27.
Peltier, Frank D., Indianapolis, Ind., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Latching means for refrigerator doors. 2,243,772; May 27.
Pennsylvania Salt Manufacturing Company, The. (See Fay, K. F., and Odenwelder, assignors.)
Pepper, Carl P., Fort Wayne, Ind., assignor to General Electric Company. Centrifugal switch. 2,243,577; May 27.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Automatic antenna switching diversity system. 2,243,118; May 27.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Signaling system. 2,243,719; May 27.
Petrolite Corporation, Ltd. (See De Groote, M., and Blair, Jr., assignors.)
Petrolite Corporation, Ltd. (See De Groote, M., and Keiser, assignors.)
Phelan, Louis A. M., Rockton, Ill. Counter freezer. 2,243,317; May 27.
Philco Corporation. (See Peltier, Frank D., assignor.)
Philco Radio and Television Corporation. (See Gluyas, Thomas M., Jr., assignor.)
Phillips Petroleum Company. (See Crites, Wilbur J., assignor.)
Pierce, Charles E., North Hollywood, Calif. Electrically testing conductors to locate point of a fault. 2,243,259; May 27.
Pierce, John B., Foundation. (See Groeniger, William C., assignor.)
Pink, Ira M., and Victor Bergstrom, assignors to Superior Felt & Bedding Co., Chicago, Ill. Studio couch. 2,243,680; May 27.
Pitman, Earle C., Lincroft, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Apparatus for the application of coating compositions. 2,243,220; May 27.
Pitney-Bowes Postage Meter Co. (See Rouan, F. J., and Sova, assignors.)
Plant, Leland G., Washington, D. C. Wrought welded valve body and method of making the same. 2,243,119; May 27.
Plensler, Alexander W., Chicago, Ill., assignor to Belmont Radio Corporation. Control apparatus for radio receivers. 2,243,487; May 27.
Plimpton Press. (See Hall, J. F., and Dunn, assignors.)
Poll, Benjamin, Holland, Mich., assignor to Joseph M. Cirese, San Jose, Calif. Harvesting machine. 2,243,650; May 27.
Pollitt, Chester R., Canton, Ill. Attachment for vacuum cleaners. 2,243,120; May 27.
Pomeranz, Jacob J., Brooklyn, N. Y. Ophthalmic mounting. 2,243,681; May 27.
Poole, Arthur B., assignor to The E. Ingraham Company, Bristol, Conn. Automatic multicircuit control switch. 2,243,438; May 27.
Pope, Charles E., Evanston, Ill. Operating scope. 2,243,285; May 27.
Porsche, F., Dr. ing. h. c., K.-G. (See Rabe, Karl, assignor.)
Pranger, Albert, and S. A. Guiberson, III, assignors to The Guiberson Corporation, Dallas, Tex. Pressure drilling head. 2,243,439; May 27.
Prazak, Emil. (See Kierner, Anton, assignor.)
Preece, Fred W., assignor to Tri-Putt Company, Toledo, Ohio. Convex putting surface. 2,243,720; May 27.
Preisman, Albert, Bronx, N. Y., assignor to Radio Corporation of America. Amplifying system. 2,243,121; May 27.
Price Brothers, Inc. (See Hammer, Hyman C., assignor.)
Price, Henry C., Elizabeth City, N. C. Water beater. 2,243,651; May 27.
Price, Ralph E. (See Balsiger, H. E., and Price.)
Prime Manufacturing Company, The. (See Richardson, John W., assignor.)
Probst, Karl K., Detroit, Mich., assignor to Karl K. Probst and J. H. Shoemaker, as joint trustees for Probst Shoemaker-Merrill Company. Flexible link. 2,243,286; May 27.
Probst Shoemaker-Merrill Company. (See Probst, Karl K., assignor.)
Prosa, Joseph J., assignor of one-half to H. F. Bourbon, Hibbing, Minn. Expansion joint. 2,243,509; May 27.
Prosperity Company, The. (See Devol, George C., Jr., assignor.)
Pullman-Standard Car Manufacturing Company. (See Mussey, William H., assignor.)
Pullman-Standard Car Manufacturing Company. (See Mussey, W. H., and Shaver, assignors.)
Purdue Research Foundation. (See Susie, A. G., and Hass.)
Quilter, William A. E., Stanmore, England, assignor to Radio Corporation of America. Modulated carrier wave transmitter. 2,243,221; May 27.
Rabe, Karl, Stuttgart, assignor to Dr. ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany. Vehicle body. 2,243,721; May 27.
Radio Corporation of America. (See Anderson, E. I., and Kimball, assignors.)
Radio Corporation of America. (See Carlson, Wendell L., assignor.)
Radio Corporation of America. (See Clough, Newsome H., assignor.)
Radio Corporation of America. (See Conklin, James W., assignor.)
Radio Corporation of America. (See Crosby, Murray G., assignor.)
Radio Corporation of America. (See Deal, H. B., and Seeley, assignors.)
Radio Corporation of America. (See Hansell, Clarence W., assignor.)
Radio Corporation of America. (See Hollingsworth, R Lee, assignor.)
Radio Corporation of America. (See Leverenz, Humboldt, W., assignor.)
Radio Corporation of America. (See Lindenblad, Nils E., assignor.)

Radio Corporation of America. (See Peterson, Harold O., assignor.)
Radio Corporation of America. (See Preisman, Albert, assignor.)
Radio Corporation of America. (See Quilter, William A. E., assignor.)
Radio Corporation of America. (See Roberts, Walter Van B., assignor.)
Radio Corporation of America. (See Schade, Otto H., assignor.)
Radio Corporation of America. (See Seeley, Stuart W., assignor.)
Radio Corporation of America. (See Sturley, Kenneth R., assignor.)
Radio Corporation of America. (See Trevor, Bertram, assignor.)
Radio Corporation of America. (See Weagant, Roy A., assignor.)
Ragsdale, Earl J. W., Norristown, and A. G. Dean, Narberth, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Vehicle body construction. 2,243,808; May 27.
Ramsey, Joseph D. (See Ormond, John J., assignor.)
Ramseyer, Charles F., Chicago, Ill. Spinning mineral wool. 2,243,122; May 27.
Ranco Incorporated. (See Raney, Estel C., assignor.)
Randell, Herbert C., assignor to Walmsleys (Bury) Limited, Bury, England. Papermaking machinery. 2,243,773; May 27.
Raney, Estel C., assignor to Ranco Incorporated, Columbus, Ohio. Control apparatus. 2,243,166; May 27.
Rasor, Wilbur A., Brookville, Ohio. Straw binder. 2,243,167; May 27.
Rawlings, George W., Willow Meer, Kenilworth, England. Laminated magnetic element. 2,243,318; May 27.
Reagrdon, Robert T., Fort Wayne, Ind., assignor to General Electric Company. Treating dynamoelectric machines. 2,243,578; May 27.
Rebholz, Elmer F., Chicago, Ill., assignor of one-third to James F. Barnes and one-third to Jean O. Reinecke. Cornice. 2,243,222; May 27.
Reed, William H., Effingham, Ill. Fluid clutch. 2,243,652; May 27.
Reinecke, Jean O., et al. (See Rebholz, Elmer F., assignor.)
Reinhardt, Frank O., Pawtucket, R. I. Condiment holder. 2,243,393; May 27.
Rehse, Frank H., assignor of one-fifth to M. Isaacson, Dayton, Ohio. Electric welding apparatus. 2,243,488; May 27.
Republic Steel Corporation. (See Bixby, Arthur B., assignor.)
Resh, Victor J., Boston, Mass. Dispensing device. 2,243,774; May 27.
Resinous Products & Chemical Company, The. (See Myers, Robert J., assignor.)
Reynolds, Reginald J. W., E. E. Walker, and C. S. Woolvin, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Cellulosic material. 2,243,682; May 27.
Rheem Manufacturing Company. (See Craig, Harvey A., assignor.)
Ribbesford Company Limited, The. (See Thornhill, Peter W., assignor.)
Richards, Donald A. (See Schmitt, G. P., and Richards.)
Richardson, John W., assignor to The Prime Manufacturing Company, Milwaukee, Wis. Grease fitting. 2,243,605; May 27.
Richmond, Joseph L., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stable dry oxidizing mixture having controlled oxygen evolution rate when used in solution. 2,243,683; May 27.
Riise, John. (See Howe, F. D., and Riise.)
Rindos, Joseph, Gardenville, N. Y. Satchel for carrying horseshoe pitching outfits. 2,243,260; May 27.
Ritter, John G., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Fluid translating apparatus. 2,243,123; May 27.
Roan, Carl M., O. E. Kaupang, and A. W. Rohlen, Minneapolis, Minn., assignors to Beacon Safety Signal Co. Signaling system for vehicles. 2,243,472; May 27.
Roberts, Philip B., London, England. Electric lamp standard. 2,243,775; May 27.
Roberts, Maurice, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Lockstitch sewing machine. 2,243,606; May 27.
Roberts, Walter V. B., Princeton, N. J., assignor to Radio Corporation of America. Wave transmission circuits. 2,243,440; May 27.
Robins, Erford E., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Hoisting device. 2,243,358; May 27.
Rochester Manufacturing Company. (See Ford, George E., assignor.)
Rock-Ola Manufacturing Corporation. (See Rockola, David C., assignor.)
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Road vehicle. 2,243,124; May 27.
Rodaway, Edgar O., assignor to Thomas Savery Pumps Limited. Birmingham, England. Rotary pump. 2,243,653; May 27.
Rodi, Charles M., Chicago, Ill. Protractor. 2,243,579; May 27.
Roelen, Otto. (See Martin, F., Roelen and Schaller.)
Roesen, Oscar C., Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Plate finishing machine. 2,243,261; May 27.
Roger, John P. (See Trainer, J. E., Harter, and Roger.)
Rogers, George D., Dover, N. J. Pouring apparatus. 2,243,125; May 27.
Rogers, Thomas H., and V. Voorhees, Hammond, Ind., assignors, by mesne assignments, to Gasoline Antioxidant Company, Chicago, Ill. Motor fuel product. 2,243,168; May 27.
Rohlen, Arthur W. (See Roan, C. M., Kaupang, and Rohlen.)
Röhm & Haas Company. (See Hester, William F., assignor.)
Röhm & Haas Company. (See Houk, A. L., and Bock, assignors.)
Romort Manufacturing Company. (See Ewald, Arno A., assignor.)
Rosaire, E. E. (See Klipsch, P. W., and Bilinsky, assignors.)
Rosch, Arthur, Brieselang, near Nauen, Osthavelland, Germany, assignor to General Electric Company. Dashpot. 2,243,580; May 27.
Rosedale Knitting Company. (See Yocom, Harry E., assignor.)
Roseman, Joseph A., Glenview, Ill. Weeding and cultivating tool. 2,243,127; May 27.
Rosen, Samuel, and B. M. Hulsh, Chicago, Ill. Rug cleaning device. 2,243,607; May 27.
Rosenberger, William A., assignor to Pangborn Corporation, Hagerstown, Md. Apparatus for abrading work. 2,243,394; May 27.
Ross, Warren A., Haverhill, Mass., assignor to D. M. Carter, Chicago, Ill. Drilling device. 2,243,319; May 27.
Rossi, Irving. (See Junghans, Siegfried, assignor.)
Rothenberg, Sam. (See Sears, H. M., and Rothenberg.)
Rotter, Louis, Cambridge Springs, Pa. Fur cutting machine. 2,243,776; May 27.
Rouan, Francis J., and F. C. Sova, assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn. Liquid level control device. 2,243,536; May 27.
Routin, Joseph L., Paris, France. Repeater for phonographs. 2,243,126; May 27.
Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric terminal clip. 2,243,741; May 27.
Ruhrechemie Aktiengesellschaft. (See Martin, F., Roelen and Schaller, assignors.)
Russell, Boyd H. (See Klein, C. A., and Russell.)
Russell, Clyde T., Glasco, Kans. Shaving device. 2,243,441; May 27.
Rutherford, Francis H., assignor to Detroit Brass & Malleable Works, Detroit, Mich. Valve structure. 2,243,128; May 27.
Rutherford, Paul H. (See Werner, C. J., and Rutherford.)
Ryan, Alden H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Resonator grid structure. 2,243,537; May 27.
S. & W. Fine Foods, Inc. (See Carroll, Ellsworth W., assignor.)
Saf-T-Pop Corporation. (See Ellestad, Gerhard A., assignor.)
Sageb, Société Anonyme de Gestion et d'Exploitation de brevets. (See Denoix, Paul E. J., assignor.)
Salfisberg, Robert H., Aurora, Ill., assignor to Stephens-Adamson Manufacturing Company. Belt conveyer. 2,243,538; May 27.
Salleras, Modeste, Fismes, France, assignor to Buffalo Electro-Chemical Company, Inc. Continuous production of hydrogen peroxide from potassium persulphate. 2,243,810; May 27.
Sandell, Rudolf, Stockholm, Sweden. Collapsible egg carton. 2,243,223; May 27.
Sanford, David P. (See Seybold, F. W., and Sanford.)
Sangamo Electric Company. (See Holtz, Frederick C., assignor.)
Sangamo Electric Company. (See Sherwood, William W., assignor.)
Sauer, George, Berwyn, Ill., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,243,654; May 27.
Savery, Thomas, Pumps, Limited. (See Rodaway, Edgar O., assignor.)
Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. High gain signal amplifier. 2,243,442; May 27.
Schaefer, Alfred H., Rosedale, Md. Vane for rotary motors. 2,243,684; May 27.
Schaller, Paul. (See Martin, F., Roelen and Schaller.)
Schaurte, Werner T., Lauvenburg, near Neuss, Germany. Making plug gauges. 2,243,608; May 27.
Scheinheim, Hyman, New York, N. Y. Renewable fuse. 2,243,287; May 27.
Schiessler, Fred J., Cumberland, Md., assignor to Celanese Corporation of America. Carding machine. 2,243,685; May 27.
Schild, Heinz. (See Orthner, L., Balle, Horst, and Schild.)
Schmidt, August, Jr. (See Moyer, E. E., Morton, and Schmidt.)
Schmitt, George P., New York, N. Y., and D. A. Richards, Fairfield County, Conn., assignors, by mesne assignments, to Cardinal Products, Inc. Lighter. 2,243,539; May 27.

Schmitter, Walter P., and A. G. Bade, assignors to The Falk Corporation, Milwaukee, Wis. Variable speed transmission. 2,243,224; May 27.
Scholtz, Anton, Kennewick, Wash. Grain tank for trucks. 2,243,395; May 27.
Schultz, Alfred S., Bronx, assignor to Standard Brands Incorporated, New York, N. Y. Yeast. 2,243,129; May 27.
Schulz, Gustav E., assignor to Nye-Wait Company, Inc., Auburn, N. Y. Method of and apparatus for removing moisture from floor coverings and the like. 2,243,396; May 27.
Schulze, Richard, Berlin-Mariendorf, Germany, assignor to General Electric Company. Zinc alloy. 2,243,827; May 27.
Schwab, Albert, Bloomfield, N. J. Novel tool and method for curling hair. 2,243,397; May 27.
Scott, Walter C., Plainfield, N. J. Speed control mechanism. 2,243,655; May 27.
Scott & Williams, Incorporated. (See Page, Albert E., assignor.)
Schwartz, Sol, assignor to Barrel Fitting & Seal Corporation, Chicago, Ill. Closure plug and sealing means therefor. 2,243,290; May 27.
Schwartz, Morris, assignor to Barrel Fitting & Seal Corporation, Chicago, Ill. Forming bushing structures. 2,243,288; May 27.
Schwartz, Morris, assignor to Barrel Fitting & Seal Corporation, Chicago, Ill. Forming bushing structures. 2,243,289; May 27.
Schweitzer & Conrad, Inc. (See Lindell, Sigurd I., assignor.)
Schweitzer & Conrad, Inc. (See Triplett, Hugh A., assignor.)
Schwenden, Carl A., Alhambra, assignor of forty-nine per cent to Harry M. Lindgren, Hollywood, Calif. Arc discharge system. 2,243,109; May 27.
Schwendner, Anthony F., Ridley Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Anticipator apparatus. 2,243,225; May 27.
Scintilla Ltd. (See von Tavel, Hesper, assignor.)
Sealed Power Corporation. (See Ballard, John H., assignor.)
Sears, Hartley M., Pasadena, and S. Rothenberg, said Rothenberg assignor to H. S. Lipton, Los Angeles, Calif. Tag cabinet. 2,243,320; May 27.
Sears, Roebuck and Co. (See Campbell, Jackson L., assignor.)
Seeley, Stuart W., Bayside, Long Island, N. Y., assignor to Radio Corporation of America. Oscillation generator. 2,243,540; May 27.
Seeley, Stuart W. (See Deal, H. B., and Seeley.)
Seeman, Robert. (See Wood, R. F., and Seeman.)
Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,243,291; May 27.
Selas Company, The. (See Hess, Freceric O., assignor.)
Self, William E. (See Aronson, P. R., and Self.)
Sette, Frederick E., Oakland, Calif. Mixer. 2,243,443; May 27.
Settle, Thomas H., Upland, Calif. Pile driver hammer counterbalance. 2,243,292; May 27.
Sewell, Benjamin W., Tulsa, Okla., assignor to Standard Oil Development Company. Pressure measuring device. 2,243,398; May 27.
Seybold, Frederick W., and D. P. Sanford, assignor to American Type Founders, Incorporated, Elizabeth, N. J. Sheet feeder. 2,243,170; May 27.
Shannon, Ellwood M., Bala Cynwyd, Pa. Power reverse gear. 2,243,656; May 27.
Sharp, Israel, Philadelphia, Pa. Spat. 2,243,444; May 27.
Sharples Solvents Corporation, The. (See Olin, John F., assignor.)
Shaver, Raymond M. (See Mussey, W. H., and Shaver.)
Shaw-Walker Company, The. (See Burdick, John S., assignor.)
Shell Development Company. (See deSimo, M., and O'Connor, assignors.)
Shell Development Company. (See deSimo, M., O'Connor and Parsons, assignors.)
Sheline, Orville O., Chicago, Ill. Paper cutter. 2,243,359; May 27.
Sherwood, William W., assignor to Sangamo Electric Company, Springfield, Ill. Polyphase watt-hour meter construction. 2,243,130; May 27.
Shoemaker, J. H., et al, joint trustee. (See Probst, Karl K., assignor.)
Sibley, Robert L., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanization accelerator. 2,243,171; May 27.
Sibley, Robert L., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanization accelerator. 2,243,172; May 27.
Silverstein, David, New York, N. Y. Complementary supporting or attaching means for ornaments. 2,243,742; May 27.
Sinclair Refining Company. (See Barth, Edwin J., assignor.)
Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Contact operating device. 2,243,399; May 27.
Skowron, Felix. (See Zasada, Joseph, assignor.)
Skydyne Inc. (See Mautner, Etienee, assignor.)
Slatis, Abraham, and H. H. Asher, Chicago, Ill. Filter or medicament casing. 2,243,360; May 27.
Slidette, Corp. (See Tripp, A. W., and Stiriss, assignors.)
Slotterbeck, Ober C. (See Thomas, R. M. and Slotterbeck.)
Smalley, Theodore S., Gladstone, N. J. Hair curler. 2,243,173; May 27.
Smit, J. K., & Sons, Inc. (See Kuzmick, Paul L., assignor.)
Smith, A. O., Corporation. (See Zerbe, Frederick K., assignor.)
Smith, Cecil H., assignor to American-La France-Foamite Corporation, Elmira, N. Y. Operating head for compressed fluid flasks. 2,243,581; May 27.
Smith, David A., Salem, Oreg. Poison gun. 2,243,510; May 27.
Smith, David M., Hermosa Beach, and L. Newcomb, Southgate, assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif. Hold-down bearing for rotary. 2,243,131; May 27.
Smith, Elwood E., Chicago, Ill. Self-adjusting gear shifting mechanism. 2,243,321; May 27.
Smith, Frank B., assignor to Stolac Laboratories, Storm Lake, Iowa. Making an aluminum bonding metal. 2,243,489; May 27.
Smith, Henry A. (See Hall, R. W., and Smith.)
Smith, Ivan O., Porthill, Idaho. Automatic trapped air release. 2,243,262; May 27.
Société d'Inventions Aéronautiques et Mécaniques S. I. A. M. (See Lévy, René L., assignor.)
Society of Chemical Industry In Basle. (See Bonhote, G., and Apotheker, assignors.)
Socony-Vacuum Oil Company. (See Clewell, Dayton H., assignor.)
Soehl, Claude A. (See Kindelmann, A., and Soehl.)
Soffe, Benjamin F., Detroit, Mich. Apparatus for settling turbid liquid. 2,243,582; May 27.
Soller, Walter, Cincinnati, Ohio, assignor of one-half to William H. Woodin, Jr., Tucson, Ariz. Television system. 2,243,132; May 27.
Sova, Frank C. (See Rouan, F. J., and Sova.)
Sowers, Lee, assignor to F. and S. Manufacturing Corporation, Arcadia, Ind. Can opening and spout forming device. 2,243,511; May 27.
Spackman, Thomas F., assignor to Stewart-Warner Corporation, Chicago, Ill. Automobile heater. 2,243,609; May 27.
Spahn, Emil, assignor to Landis & Gyr, A-G., Zug, Switzerland. Electricity meter. 2,243,226; May 27.
Specialties Development Corporation. (See Honegger, John A., assignor.)
Sperry Gyroscope Company. (See Esval, O. E., and Frische, assignors.)
Spooner, Howard E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 2,243,768; May 27.
Spreng, Warren M., assignor to The F. E. Myers & Bro. Co., Ashland, Ohio. Spraying machine. 2,243,610; May 27.
Spring Products Corporation. (See Kerstein, Jacob, assignor.)
Squibb, E. R., & Sons. (See Christiansen, W. G., and Harris, assignors.)
Stack, Emmet G., Marshfield, Oreg. Waxer. 2,243,400; May 27.
Stahl, Carl, Galesburg, Ill. Die casting machine. 2,243,293; May 27.
Stahl, Frank E., Tonawanda, N. Y., deceased, L. M. Stahl, administratrix, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Puller. 2,243,361; May 27.
Stahl, Lilian M., administratrix. (See Stahl, Frank E., assignor.)
Standard Brands Incorporated. (See Schultz, Alfred S., assignor.)
Standard Metal Refining Co. (See Mandl, Martin, assignor.)
Standard Oil Company, The. (See Musselman, John M., assignor.)
Standard Oil Development Company. (See Baldeschwieler, Emile L., assignor.)
Standard Oil Development Company. (See Frolich, Per K., assignor.)
Standard Oil Development Company. (See Langmyhr, Georre J., assignor.)
Standard Oil Development Company. (See Morway, A. J., and Miller, assignors.)
Standard Oil Development Company. (See Sewell, Benjamin W., assignor.)
Standard Oil Development Company. (See Thomas, R. M., and Slotterbeck, assignors.)
Standard Oil Development Company. (See Voorhies, Alexis, Jr. assignor.)
Stansel Thomas J. Clarksburg W. Va. Glass cutter. 2,243,778; May 27.
Staples Crawford E., Wilkinsburg, assignor to The Union Switch & Signal Company Swissvale, Pa. Railway traffic controlling apparatus. 2,243,722; May 27.
Stark, Horace Detroit, Mich. Navigating instrument. 2,243,512; May 27.
Starr, Oscar L., Mission San Jose, assignor to Caterpillar Tractor Co., San Leandro, Calif. Engine piston. 2,243,263; May 27.
States Company The. (See Weisse, Frank W. E., assignor.)

Stearns, Alexander L., Chicago, Ill. Fracture reducing device. 2,243,204; May 27.

Stein, Michael R., New York, N. Y., assignor to Universal Dental Company, Philadelphia, Pa. Display mount for artificial teeth. 2,243,583; May 27.

Steiner, Frank G., Chicago and R. G. Birr, Lombard, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah. Dispensing cabinet. 2,243,686; May 27.

Steiner, Joseph C., and C. C. Fulton, St. Louis, Mo., said Fulton assignor to said Steiner. Power mowing device. 2,243,133; May 27.

Steiner Sales Company. (See Steiner, F. G., and Birr, assignors.)

Stephens-Adamson Manufacturing Company. (See Salfisberg, Robert H., assignor.)

Stephens, William T. (See Patton, W. A., and Stephens.)

Stevenson, Edward E., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Method and apparatus for heating and quenching sucker rods. 2,243,174; May 27.

Stewart, Eugene K., Washington, D. C. Method of printing bleeder sheets. 2,243,175; May 27.

Stewart-Warner Corporation. (See Malone, Homer F., assignor.)

Stewart-Warner Corporation. (See Mather, Irwin E., assignor.)

Stewart-Warner Corporation. (See Spackman, Thomas F., assignor.)

Stiller, Harry L., Los Angeles, Calif. Sanitary paper seat cover apparatus. 2,243,134; May 27.

Stiriss, Jacob D. (See Tripp, A. W., and Stiriss.)

Stolac Laboratories. (See Smith, Frank B., assignor.)

Stone, Frederick E. (See Burns, Edward M., assignor.)

Stratton, Albert C., assignor to A. S. Marlow, Ridgewood, N. J. Shaft sealing means. 2,243,227; May 27.

Stremich, Louis W. (See Terlesky, M., and Stremich.)

Stroh, Roy E. (See Huss, R. S., Stroh and Ashmore, assignors.)

Stromblad, Perry F., Clairton, Pa. Lavatory bowl. 2,243,264; May 27.

Stroschein, Edward, Oshkosh, Wis. Vacuum cleaner nozzle. 2,243,611; May 27.

Structural Patents Corporation. (See Tench, John R., assignor.)

Sturley, Kenneth R., Chelmsford, England, assignor to Radio Corporation of America. Selectivity control circuits. 2,243,401; May 27.

Suction Cup Lamp Changer Co. (See Limbert, Rollin J., assignor.)

Sukumlyn, Thomas W., Los Angeles, Calif. Electron microscope system. 2,243,362; May 27.

Summy, Charles E., Paullina, Iowa. Combination expansible absorbent receptacle for investments. 2,243,445; May 27.

Sun Oil Company. (See Ellis, Lacoste G., assignor.)

Sundstrand, Oscar J., Rockford, Ill., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Bookkeeping machine. 2,243,228; May 27.

Superior Felt & Bedding Co. (See Pink, I. M., and Bergstrom, assignors.)

Susie, Alfred G., Boston, Mass., and H. B. Hass, West Lafayette, assignors to Purdue Research Foundation, La Fayette, Ind. Production of N-substituted (arylakyl) amines. 2,243,295; May 27.

Sutherland, Thomas G., Chicago, Ill. Pipe fitting. 2,243,687; May 27.

Swart, Richard H., assignor to General Refrigeration Corporation, Beloit, Wis. Compound compressor. 2,243,541 May 27.

Sweetland, Ernest J., Piedmont, Calif. Filter element and making the same. 2,243,296; May 27.

Symington-Gould Corporation, The. (See Barrows, Donald S., assignor.)

Tachi, Tadao, assignor to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii. Tool for cutting fruit. 2,243,657; May 27.

Takakishi, Katsuichiro, Honolulu, Hawaii. Making a sprakling sake-like beverage. 2,243,513; May 27.

Tarris, Frederick J., Silvertown, London, assignor to The India Rubber, Gutta Percha and Telegraph Works Company Limited, London, England. Vehicle brake. 2,243,229; May 27.

Taylor, Avonne, New York, N. Y. Bust exerciser. 2,243,297; May 27.

Taylor, Frank F., and O. K. Cazin, Philadelphia, Pa. Harmonica. 2,243,542; May 27.

Taylor Instrument Companies. (See Bolton, Harry D., assignor.)

Taylor Instrument Companies. (See Karst, George, assignor.)

Taylor Instrument Companies. (See Olson, Raymond E., assignor.)

Taylor Instrument Companies. (See Young, William M., assignor.)

Taylor, John L., San Diego, Calif. Hinge gauge. 2,243,779; May 27.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Brück, Lothar, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Fritz, Karl, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Von Duhn, Johann H., assignor.)

Tench, John R., Tarrytown, assignor to Structural Patents Corporation, New York, N. Y. Walkway. 2,243,723; May 27.

Ter Horst, William P., Packanack Lake, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Parasiticide. 2,243,543; May 27.

Ter Horst, William P., Packanack Lake, N. J., assignor to United States Rubber Company, New York, N. Y. Composition of matter. 2,243,544; May 27.

Terlesky, Max, and L. W. Stremich, Portland, Oreg. Flusher for automobile radiators. 2,243,446; May 27.

Textile Machine Works. (See Clauss, F. M., and Moellerke, assignors.)

Thigpen, Emmett B., Macon, Ga. Spring mounting. 2,243,780; May 27.

Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of gasoline and iso-octane. 2,243,298; May 27.

Thomas, Norman M., Pelham, assignor to Joe Lowe Corporation, New York, N. Y. Combination frozen confection mold and protective basket therefor. 2,243,363; May 27.

Thomas, Robert M., Union, and O. C. Slotterbeck, Elizabeth, N. J., assignors to Standard Oil Development Company. Low temperature active polymerization catalyst. 2,243,658; May 27.

Thompson, Arthur S., Ontario, Calif. Sedan top and sleeping compartment. 2,243,659; May 27.

Thompson, Boyce, Institute for Plant Research, Inc. (See Harvill, Edward, assignor.)

Thompson, Charles S., Elmhurst, assignor to Union Special Machine Company, Chicago, Ill. Vibration controlling and damping device. 2,243,660; May 27.

Thomson, John, Chico, assignor to Valley Concrete Pipe & Products Company, Yuba City, Calif. Pipe coupling. 2,243,265; May 27.

Thornhill, Peter W., assignor to Automotive Products Company Limited, London, England. Fluid pressure remote control system. 2,243,781; May 27.

Thornhill, Peter W., assignor of one-half to The Ribbesford Company Limited, London, England. Shock absorber. 2,243,782; May 27.

Thron, Heinz. (See Daimler, K., and Thron.)

Tigerschiöld, Kjell M., Djursholm, Sweden. Desulphurization of cast iron. 2,243,514; May 27.

Tinnerman, George A., Rocky River, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio. Connection for knobs and the like. 2,243,266; May 27.

Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)

Toda, Yoshiaki, Tokyo, Japan, assignor to General Electric Company. Voltage regulation. 2,243,684; May 27.

Tota, Kenneth P., assignor to Ken-Vic, Inc., Elmira, N. Y. Deep fat food fryer. 2,243,661; May 27.

Towler, Frank H. (See Towler, John M. and F. H.)

Towler, John M., Summerbridge, near Harrogate, and F. H. Towler, Dob Park, near Otley, England. Rotary self-cleaning strainer. 2,243,585; May 27.

Trainer, James E., Fairlawn, I. Harter, New York, N. Y., and J. P. Roger, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Newark, N. J. Tubular furnace structure and forming same. 2,243,402; May 27.

Transart Aktiebolag. (See Hille, Heinrich, assignor.)

Transit Research Corporation, The. (See Blue, L. E., and Hirschfield, assignors.)

Trautman, Walter C., Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind. Liquid pressure remote control system. 2,243,364; May 27.

Travers, Ellis, West Los Angeles, Calif. Irrigating applicator. 2,243,299; May 27.

Treece, Arthur C., Chicago, Ill., assignor to General Electric Company. Condiment device. 2,243,586; May 27.

Treibs, Alfred. (See Halbig, P., and Treibs.)

Tremblay, Albert F., assignor to Kent-Owens Machine Company, Toledo, Ohio. Method of and apparatus for blowing glass. 2,243,267; May 27.

Trevaskis, Henry. (See Beharrell, G. E., Wright, and Trevaskis.)

Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Wide band antenna system. 2,243,136; May 27.

Triplett, Hugh A., Wilmette, assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Fuse. 2,243,135; May 27.

Tripp, Anthony W., and J. D. Stiriss, assignors to Slidette, Corp., New York, N. Y. Slider fastener. 2,243,545; May 27.

Tripp, Anthony W., and J. D. Stiriss, assignors to Slidette, Corp., New York, N. Y. Tape connected slider fastener. 2,243,546; May 27.

Tri-Putt Company. (See Preece, Fred W., assignor.)

Trollen, Martin E., assignor to Brown & Bigelow, St. Paul, Minn. Pencil. 2,243,688; May 27.

Trotter, John C., assignor to Bell Aircraft Corporation, Buffalo, N. Y. Mounting device for machine guns. 2,243,365; May 27.

Trover, William E. (See Aiken, Thomas W., assignor.)

Trumbull Electric Manufacturing Company, The. (See Rowe, Raymond N., assignor.)

Tube Industrial Participation Limited. (See Korbuly. Károly, assignor.)

Tucker, George G., Jr., Berwyn, assignor to Hubbard Spool Company, Chicago, Ill. Spool and bobbin. 2,243,300; May 27.

Turner & Harrison Steel Pen Manufacturing Company. (See Huss, R. S., Stroh, and Ashmore, assignors.)

Turner, Thomas, Mimico, Ontario, Canada. Spraying device. 2,243,587; May 27.

Udy, Marvin J., Niagara Falls, N. Y. Production of chromium-bearing reaction mixtures and alloys. 2,243,783; May 27.

Udy, Marvin J., Niagara Falls, N. Y. Method and material suitable for use in the production of molten metal products. 2,243,784; May 27.

Udy, Marvin J., Niagara Falls, N. Y. Chromium recovery. 2,243,785; May 27.

Udy, Marvin J., Niagara Falls, N. Y. Metallurgy. 2,243,786; May 27.

Udylite Corporation, The. (See Davis, John V., assignor.)

Underwood Elliott Fisher Company. (See Sundstrand, Oscar J., assignor.)

Union Special Machine Company. (See Sauer, George, assignor.)

Union Special Machine Company. (See Thompson, Charles S., assignor.)

Union Switch & Signal Company, The. (See Allison, Leslie R., assignor.)

Union Switch & Signal Company, The. (See Baughman, George W., assignor.)

Union Switch & Signal Company, The. (See Bone, Herbert L., assignor.)

Union Switch & Signal Company, The. (See O'Hagan, Bernard E., assignor.)

Union Switch & Signal Company, The. (See Staples, Crawford E., assignor.)

Union Switch & Signal Company, The. (See Wells, W. B., and Lockhart, assignors.)

United Shoe Machinery Corporation. (See Altenburg, William M., assignor.)

United Shoe Machinery Corporation. (See Batchelder, Clifton T., assignor.)

United Shoe Machinery Corporation. (See Morrill, Alfred R., assignor.)

United Shoe Machinery Corporation. (See Newhall, Carl A., assignor.)

United Shoe Machinery Corporation. (See Roberts, Maurice, assignor.)

United Shoe Machinery Corporation. (See Willmott, Herbert J., assignor.)

United States Automatic Box Machinery Co. (See Evans, Harry L., assignor.)

United States Automatic Box Machinery Co. (See Macdonald, K. W., and Wikstrom, assignors.)

United States Rubber Company. (See Bishop, Joseph W., assignor.)

United States Rubber Company. (See Maynard, Charles E., assignor.)

United States Rubber Company. (See ter Horst, William P., assignor.)

Universal Dental Company. (See Stein, Michael R., assignor.)

Universal Oil Products Company. (See Benedict, W. L., and Ahlberg, assignors.)

Universal Oil Products Company. (See Kramer, Bernard L., assignor.)

Universal Oil Products Company. (See Seguy, Jean D., assignor.)

Universal Oil Products Company. (See Thomas, Charles L., assignor.)

Utility Electric Corp. (See Bahlke, Alfred F., assignor.)

Vaala, Gordon T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric materials. 2,243,662; May 27.

Valley Concrete Pipe & Products Company. (See Thomson, John, assignor.)

Vander Henst, Jan, Houston, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa. Degassing machine. 2,243,176; May 27.

Vandermade, John, Hawthorne, N. J., assignor to The Manhattan Shirt Company, New York, N. Y. Pinless man's shirt fold. 2,243,230; May 27.

Van Deventer, Harry R., New York, and S. C. McKeown, Mount Vernon, N. Y., assignors to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,243,447; May 27.

Van Norde, Peter, and L. Bellingham, Maplewood, assignors to Irvington Varnish & Insulator Co., Irvington, N. J. Apparatus for shaping tubular sleeving. 2,243,232; May 27.

Van Raalte Company. (See Maclear, Lucie J., assignor.)

van Riel, Pieter, assignor to N. V. Maschinefabriek "Reineveld" Delft, Netherlands. Centrifugal machine. 2,243,366; May 27.

Van Sant, Victor H., Westfield, assignor to Multigrip Safety Nut, Inc., Belleville, N. J. Bolt and nut lock. 2,243,515; May 27.

Van Saun, Raymond H., assignor to Container Corporation of America, Chicago, Ill. Container. 2,243,231; May 27.

Van Schoor, Harold. (See Martinet, E. F., and Van Schoor.)

Van Uum, John H., Lakewood, Ohio. Resilient securing device for bead trim. 2,243,322; May 27.

Vaughan, Clyde W., Los Angeles, Calif. Cooker for preparing wiener sandwiches. 2,243,137; May 27.

Vaughan, Francis E., et al. (See Eubanks, Floyd G., assignor.)

Vaughn Machinery Company, The. (See McIlvried, E. J., and Nye, assignors.)

Verbeek, Arnold, Wuestenbrand, and E. Eissner, Siegmar-Schonau, Germany, assignors to Kallo, Inc., New York, N. Y. Stocking and method of manufacturing the same. 2,243,613; May 27.

Verbeek, Arnold F., Oberlungwitz, Germany, assignor to Kallo, Inc., New York, N. Y. Manufacture of full-fashioned hosiery. 2,243,612; May 27.

Vick, David C., Nashville, N. C. Applicator. 2,243,268; May 27.

Vitamin Technologists, Inc. (See Johnson, Menfred L., assignor.)

Vogel, Julius, Chicago, Ill. Apparatus and method for treating tubular members. 2,243,614; May 27.

Volk, Charles E., El Dorado, Kans. Material spreader. 2,243,233; May 27.

von Ardenne, Manfred, Berlin-Lichterfelde, Germany. Magnetic objective for electron microscopes. 2,243,403; May 27.

Von Duhn, Johann H., Potsdam-Babelsberg, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Wave indication. 2,243,234; May 27.

von Tavel, Hesper, assignor to Scintilla Ltd., Soleure, Switzerland. Electric current distributor. 2,243,269; May 27.

Von Till, Louis A., East Rockaway, and J. G. Kosar, Brooklyn, assignors to Anchor Cap & Closure Corporation, Long Island City, N. Y. Device for forming screw closure caps and similar articles. 2,243,138; May 27.

Von Weingraber, Herbert, Berlin-Siemensstadt, and W. Knedel, Falkenhain, near Finkenkrug, Germany. Hardness indicating device. 2,243,235; May 27.

Voorhees, Vanderveer. (See Rogers, T. H., and Voorhees.)

Voorhies, Alexis, Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Catalyst preparation. 2,243,404; May 27.

Vulcan Proofing Company. (See Lewis, R. R., and Weiss, assignors.)

W. S A., Incorporated. (See Wendel, Frans B., assignor.)

Wadd, Roy J. (See Wendelburg, F. W., and Wadd.)

Waddington, David G. H., Bournemouth, England. Photographic camera. 2,243,689; May 27.

Wahlmark, Gunnar A., Rockford, Ill. Hydraulic circuit. 2,243,139; May 27.

Wahnish, George, Los Angeles, Calif. Lathe tailstock adjusting means. 2,243,588; May 27.

Walker, Eric E. (See Reynolds, R. J. W., Walker, and Woolvin.)

Walker, Raymond R., assignor of one-half to G. S. Hahne, Follansbee, W. Va. Pencil sharpener. 2,243,490; May 27.

Walmsleys (Bury) Limited. (See Randell, Herbert C., assignor.)

Walsh, Robert S., St. Louis, Mo. Tableware. 2,243,236; May 27.

Walton, George M., Cleveland Heights, and C. J. Glanzer, Lakewood, assignors to Air-Maze Corporation, Cleveland, Ohio. Unit filter. 2,243,323; May 27.

Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges. (See Ewald, H. K. F., and Ehring, assignors.)

Wareham, William M., Valparaiso, Ind. Floatable fishing bait. 2,243,663; May 27.

Warner Elevator Company, The. (See Liebenberg, Arthur J., assignor.)

Waterbury Clock Company. (See Granger, Charles H., assignor.)

Watling, Burns S., assignor to Watling Scale Company, Chicago, Ill. Ticket dispensing machine. 2,243,586; May 27.

Watling, Burns S., Chicago, Ill., assignor to Watling Scale Company. Weighing scale. 2,243,690; May 27.

Watling Scale Company. (See Watling, Burns S., assignor.)

Watson-Stillman Co., The. (See Biach, John L., assignor.)

Wayland, Edwin M., Covesville, Va. Fruit sizing machine. 2,243,516; May 27.

Weagant, Roy A., Douglaston, Long Island, New York, assignor to Radio Corporation of America. Radio receiver circuits. 2,243,140; May 27.

Weagant, Roy A., Douglaston, Long Island, New York, assignor to Radio Corporation of America. Radio receiver circuits. 2,243,141; May 27.

Webster Electric Company. (See Campbell, Richard H., assignor.)

Wehmiller, Frederick W. (See Herold, J. L., and Wehmiller.)

Weinig, Arthur J., Golden, assignor to Morse Bros. Machinery Company, Denver, Colo. Aeration apparatus. 2,243,301; May 27.

Weinig, Arthur J., Golden, assignor to Morse Bros. Machinery Company, Denver, Colo. Treating liquids. 2,243,302; May 27.

Weiss, Albert J. (See Lewis, R. R., and Weiss.)

Weiss, Georg, Berlin, Germany. Electron multiplier. 2,243,178; May 27.

Weiss, Ludwig, Frankfort-on-the-Main, Germany, assignor to Chemical Marketing Company Inc., New York, N. Y. Colored gold alloy. 2,243,177; May 27.
Weisse, Frank W. E., Corpus Christi, Tex., assignor to The States Company, Hartford, Conn. Stroboscopic meter testing apparatus. 2,243,547; May 27.
Wells, Wesley B., Wilkinsburg, and W. K. Lockhart, Penn Township, Allegheny County, assignors to The Union Switch & Signal Company, Swissvale, Pa. Light signal. 2,243,448; May 27.
Wells, William F., Three Rivers, Mich. Sawing machine. 2,243,303; May 27.
Wendel, Frans B., assignor to W. S. A., Incorporated, New York, N. Y. Method of making hollow wrought metal articles. 2,243,809; May 27.
Wendelburg, Frank W., and R. J. Wadd, assignors to Harnischfeger Corporation, Milwaukee, Wis. Regenerative and countertorque braking controller. 2,243,590; May 27.
Werner, Calvin J., and P. H. Rutherford, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich. Motor control system. 2,243,615; May 27.
Westendorp, Willem F., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting apparatus. 2,243,591; May 27.
Western Cartridge Company. (See Koppelman, Morris D., assignor.)
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ritter, John G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ryan, Alden H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schwendner, Anthony F., assignor.)
Whiley, Cecil, St. Mawes, England. Producing metal embossing foils. 2,243,237; May 27.
White, Frank L. (See Brooker, L. G. S., and White.)
Whitehead, Charles R. (See Barrett, C. D., and Whitehead.)
Whitenack, Charles H., New York, N. Y., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Serving counter hood. 2,243,491; May 27.
Whitehead, Oscar N., Wallingford, and E. B. Crawford, Hamden, Conn., assignors to H. L. Judd Company, Inc., New York, N. Y. Drapery fixture. 2,243,724; May 27.
Whittier, Sidney B., Barnstable, Mass. Latch mechanism. 2,243,179; May 27.
Wideroe, Marshall S., Northbrook, assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Lighting fixture. 2,243,270; May 27.
Wikstrom, Osbar W. (See Macdonald, K. W., and Wikstrom.)
Williams, James H., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Substituted pyrazolones. 2,243,324; May 27.
Willmott, Herbert J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Manufacture of shoes. 2,243,142; May 27.
Wilson, Albert S., assignor of one-half to H. T. Floyd, St. Louis, Mo. Meat tenderizer. 2,243,492; May 27.
Wilson-Jones Company. (See Newman, George W., assignor.)
Wimmer, Glen E. (See Morrison, R. E., and Wimmer.)
Windell, George A., Kansas City, Mo. Washing machine. 2,243,325; May 27.
Wine, Edgar P., assignor to Landis Tool Company, Waynesboro, Pa. Feeding mechanism. 2,243,405; May 27.
Wolf, Harry C., Irvine, Ky. Apparatus for unlocking ore bodies to extract sulphur and iron therefrom. 2,243,406; May 27.
Wolf, Herman B., Charlotte, N. C., assignor to General Electric Company. Lightning arrester. 2,243,592; May 27.
Wolkoff, John, Newark, N. J. Power transmitting device. 2,243,548; May 27.
Wood, Lyndon D., assignor to National Hops Laboratories, Inc., Chicago, Ill. Preparation of hop extract. 2,243,143; May 27.
Wood Newspaper Machinery Corporation. (See Roesen, Oscar C., assignor.)
Wood, Paul. (See Moore, James M., assignor.)
Wood, Robert F., Glenside, and R. Seeman, Willow Grove, Pa. Rail anchor. 2,243,238; May 27.
Woodin, William H., Jr. (See Soller, Walter, assignor.)
Woodworth & Turk. (See Bartholomew, Charlie A., assignor.)
Woolvin, Clarence S. (See Reynolds, R. J. W., Walker, and Woolvin.)
Wright, Joseph. (See Beharrell, G. E., Wright and Trevaskis.)
Wurlitzer, Rudolph, Company, The. (See Ebert, Edward A., assignor.)
Yocom, Harry E., assignor to Rosedale Knitting Company, Reading, Pa. Heating appliance. 2,243,549; May 27.
Young, William M., Athens, Ohio, assignor to Taylor Instrument Companies, Rochester, N. Y. Self-acting regulator. 2,243,304; May 27.
Youngstown Sheet & Tube Company, The. (See De Flore, Leopold, assignor.)
Zallea, James P., Philadelphia, Pa. Heat exchanger. 2,243,593; May 27.
Zasada, Joseph, assignor of one-half to F. Skowron, Detroit, Mich. Toolholder. 2,243,239; May 27.
Zephyr-Lite Mfg. Co. (See James, Gerald W., assignor.)
Zerbe, Frederick K., Granville, assignor to A. O. Smith Corporation, Milwaukee, Wis. Pressure vessel for hydrogenating hydrocarbons. 2,243,240; May 27.
Zorrilla, Llano y Cia. (See del Llano y Fernandez, A., assignor.)
Zumbiel, C. W., Company, The. (See Holtkamp, Clifford, assignor.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF MAY, 1941

NOTE.--Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Thrust bearing, Self-contained. W. E. Horrocks. Re. 21,810; May 27.
Thickening, stirring or agitating apparatus. H. Kepper. Re. 21,811; May 27.
Refrigerating apparatus, Absorption. H. L. Schug. Re. 21,812; May 27.
Electro-responsive device. V. E. Verrall. Re. 21,813; May 27.

LIST OF PLANT INVENTIONS

Rose. C. L. Fitzgerald. 467; May 27.
Rose. C. L. Fitzgerald. 468; May 27.
Rose. C. L. Fitzgerald. 469; May 27.

LIST OF DESIGN INVENTIONS

Alphabet for forming monograms or similar articles. M. Chernow. 127,516; May 27.
Automobile body. L. V. McLaughlin. 127,522; May 27.
Badge. E. Bradley. 127,447; May 27.
Badge, Crocheted. N. B. Jackson. 127,440; May 27.
Bank or similar article, Coin. C. Collier. 127,448; May 27.
Blade for paper box opener. L. Walters. 127,530; May 27.
Bottle. O. Brown. 127,478; May 27.
Bottle or similar article, Cologne. J. D. Buckingham. 127,479; May 27.
Bowl for direct lighting luminaires, Refracting. K. Franck. 127,482; May 27.
Box, Stamp pad. L. W. Kendrick. 127,501; May 27.
Brooch. I. Goldberg. 127,450; May 27.
Brooch or similar article. G. Capellazzi. 127,438; May 27.
Brooch or similar article. C. E. Pauzat. 127,445; May 27.
Brooch or similar article. E. Steiner. 127,468; May 27.
Brooch or similar article. G. Verreechio. 127,446; May 27.
Building. A. J. Fisher. 127,439; May 27.
Building, Drive-in service. C. S. Eaton. 127,532; May 27.
Cabinet and cigarette dispensing machine, Combination cigar. D. Safier. 127,493; May 27.
Cabinet, Amusement machine. J. F. Meyer. 127,457; May 27.
Cabinet, Phonograph. L. Jacobs. 127,483; May 27.
Cabinet, Refrigerator. C. E. Hodgman. 127,451-2; May 27.
Case and lighter, Combined cigarette. R. F. Landwehr. 127,485; May 27.
Case, Manicure. H. C. Bates. 127,513; May 27.
Case, Match folder. W. B. Petzold. 127,490; May 27.
Collar. S. Kurtz. 127,538; May 27.
Compass, Auto. B. E. Sherrill. 127,510; May 27.
Confectionery product. N. M. Thomas. 127,460; May 27.
Connector, Battery terminal. R. E. Sears and J. O. Cleveland. 127,509; May 27.
Connector, Electrical appliance plug. C. B. Stevens. 127,512; May 27.
Container. G. J. Banta. 127,477; May 27.
Container, Finger-rest. G. A. Rechlin. 127,491; May 27.
Coupling, Hose. L. A. Carlson. 127,470; May 27.
Dental retractor, Reversible. H. R. Nerbas. 127,463; May 27.
Dress. B. Greene. 127,552-3; May 27.
Dress. A. Henry. 127,534; May 27.
Dress. P. Kaperst. 127,554-5; May 27.
Dress. F. Laye. 127,487; May 27.
Dress ensemble. A. Rosen. 127,465; May 27.
Dress. C. Potter. 127,556; May 27.
Dress. J. J. Rothenberg. 127,541-2; May 27.
Dress ensemble. E. M. Horbilt. 127,519; May 27.
Dress ensemble. A. Rosen. 127,505; May 27.
Dress or similar article. H. Beispel. 127,548-50; May 27.
Dress or similar article. M. Cohen. 127,551; May 27.
Fabric or similar article, Embrodered textile. E. W. Freudenberg. 127,472; May 27.
Fabric or similar article, Embroidered textile. O. Hallbauer. 127,518; May 27.
Fabric, Textile. I. Cummings. 127,496-7; May 27.
Febric, Textile. J. L. Koehne. 127,502-4; May 27.
Fabric, Textile. S. Sherman. 127,467; May 27.
Faucet strainer. O. W. Holden. 127,474; May 27.
Flowerpot assembly. C. W. Jorgensen. 127,441; May 27.
Frame for pictures or the like, Molded. J. H. Scott, Jr., and W. J. Hardgrove, Jr. 127,458; May 27.
Frame, Picture. G. Sacchetti. 127,492; May 27.
Game board. W. H. Frost. 127,449; May 27.
Game device. M. S. Wright. 127,461; May 27.
Glider. W. I. Smith. 127,459; May 27.
Glove. J. A. Higier. 127,535; May 27.
Goblet or similar article. H. Marks. 127,443; May 27.
Goblet or similar article. H. Marks. 127,456; May 27.
Grille. E. H. McCloud. 127,444; May 27.
Handbag or similar article. C. G. Lewine. 127,462; May 27.
Handle, Electric iron. W. J. Russell. 127,506-7; May 27.
Hanger, Trousers. P. A. Kilgore. 127,484; May 27.
Hat. M. P. Hyland. 127,536; May 27.
Hat. T. Leser. 127,539; May 27.
Hat. R. Payne. 127,540; May 27.
Hat or similar article. I. H. Ross. 127,557; May 27.
Heater and food warmer, Combination domestic water. M. A. Fowler. 127,517; May 27.
Heel, Shoe. A. Terpak. 127,528; May 27.
Jewelry finding. S. Kaufman. 127,442; May 27.
Knife, Plastic. J. D. Kevorkian. 127,520; May 27.
Lace. B. Edson. 127,544; May 27.
Lace. J. A. Sutton. 127,547; May 27.
Lamp, Fluorescent table. J. F. Livers. 127,488; May 27.
Lamp, timer and condiment holders for ranges, Combined. W. T. Bradbury. 127,515; May 27.
Light fixture, Electric. S. G. House. 127,475; May 27.
Lighting fixture. J. J. Mandryl. 127,489; May 27.
Music selector apparatus, Telephonic. K. C. Shyvers. 127,511; May 27.
Phonograph, Multiple turntable. L. J. Andres. 127,495; May 27.
Pin. J. J. Poland. 127,464; May 27.
Pin or analogous article. J. Johnnides. 127,537; May 27.
Plate or similar article. P. L'Anglais. 127,480; May 27.
Register, Autographic. R. Katz. 127,476; May 27.
Ring, Finger. A. Sager. 127,466; May 27.
Ring, Finger. H. J. A. Skipp. 127,526; May 27.
Sachet ball and holders therefor, Combined. J. E. Vivaudou. 127,469; May 27.
Shirt or similar article. W. J. Freedman. 127,533; May 27.
Shoe. G. E. Bergman. 127,514; May 27.
Shoe or similar article. M. Wolock. 127,531; May 27.
Sign, Advertising display. W. J. Ross. 127,508; May 27.
Sleeping bag or similar article, Child's. L. Segerman. 127,523-5; May 27.
Slip. J. T. Malouf. 127,455; May 27.
Spoon. E. P. Smith. 127,527; May 27.
Spoon. B. F. Strand, Jr. 127,543; May 27.
Spoon or similar article. G. L. Turner. 127,529; May 27.
Statuette or article of similar nature, Glass. T. C. Heisey. 127,473; May 27.
Stool. L. Wesling. 127,494; May 27.
Stove. E. M. Douthat. 127,471; May 27.
Sweater, Knitted. D. Rubinstein. 127,546; May 27.
Table, Portable lap. L. C. Corcoran. 127,480; May 27.
Teakettle or similar article. N. W. Keller. 127,453; May 27.
Thermometer, Electric contact. E. J. Heidmann. 127,500; May 27.
Tire. W. J. Lee. 127,521; May 27.
Toy log loading device. H. J. Ferri. 127,481; May 27.
Tray, Serving. D. Levin. 127,154; May 27.
Trimming, Embroidered. M. Grossman. 127,545; May 27.
Washing machine and wringer, Combined. H. J. Goldblatt. 127,498-9; May 27.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 27TH DAY OF MAY, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive tool. P. L. Kuzmick. 2,243,105; May 27.
Accelerator, Vulcanization. R. L. Sibley. 2,243,171; May 27.
Accelerator, Vulcanization. R. L. Sibley. 2,243,172; May 27.
Accounting machine. L. N. Lehman. 2,243,803; May 27.
Acid amides and preparing them, Sulphonic. L. Orthner and G. Baile and K. Horst and H. Schild. 2,243,437; May 27.
Actuating mechanism for cutoff knives. C. C. Kinker. 2,243,756; May 27.
Adjusting means, Lathe tailstock. G. Wahnish. 2,243,588; May 27.
Aeration apparatus. A. J. Weinig. 2,243,301; May 27.
Air brake. C. A. Campbell. 2,243,245; May 27.
Air circulating means and mounting therefor. W. H. C. Ness and J. F. Holmes. 2,243,114; May 27.
Air cleaner and silencer assembly. B. G. Brown. 2,243,083; May 27.
Air conditioner. G. G. Landis and F. Malner. 2,243,637; May 27.
Air conditioning apparatus and method. M. F. Knoy. 2,243,478; May 27.
Air conditioning control. C. A. Otto. 2,243,647; May 27.
Air heating apparatus. H. J. Frenette. 2,243,503; May 27.
Air release, Automatic trapped. I. O. Smith. 2,243,262; May 27.
Aircraft. E. Mautner. 2,243,432; May 27.
Alarm system. J. O. Howton. 2,243,804; May 27.
Alloy: *See*—
Colored gold alloy. Zinc alloy.
Copper alloy.
Alloy for soldering aluminum. J. Johnson. 2,243,278; May 27.
Aluminum bonding metal, Making an. F. B. Smith. 2,243,489; May 27.
Amines, Production of N-substituted (arylalkyl). A. G. Susie. 2,243,295; May 27.
Amplifier, Grid modulated. T. M. Gluyas, Jr. 2,243,504; May 27.
Amplifier, High gain signal. O. H. Schade. 2,243,442; May 27.
Amplifying device. M. D. McFarlane. 2,243,533; May 27.
Amplifying system. A. Preisman. 2,243,121; May 27.
Anchor, Rail. R. F. Wood and R. Seeman. 2,243,238; May 27.
Antenna switching diversity system, Automatic. H. O. Peterson. 2,243,118; May 27.
Antenna system, Wide band. B. Trevor. 2,243,136; May 27.
Antenna, Wide band. N. E. Lindenblad. 2,243,677; May 27.
Anticipator apparatus. A. F. Schwendner. 2,243,225; May 27.
Apparatus for abrading work. W. A. Rosenberger. 2,243,394; May 27.
Apparatus for analysis of seismographic records. L. G. Ellis. 2,243,730; May 27.
Apparatus for balancing rotors. O. E. Esval and C. A. Frische. 2,243,458; May 27.
Apparatus for centrifugally molding or lining pipes. D. A. Lyons and L. R. Earl. 2,243,218; May 27.
Apparatus for hardening gears. H. E. Arnold. 2,243,076; May 27.
Apparatus for making a bunch. J. W. and W. J. Giles. 2,243,699; May 27.
Apparatus for mixing and granulating substantially plastic materials. H. Lebrecke. 2,243,384; May 27.
Apparatus for pitting cherries. A. Kok. 2,243,530; May 27.
Apparatus for raising and lowering projection screens. C. Mikus. 2,243,391; May 27.
Apparatus for settling turbid liquid. B. F. Soffe. 2,243,582; May 27.
Apparatus for shaping tubular sleeving. P. Van Norde and L. Bellingham. 2,243,232; May 27.
Apparatus for synchronizing pictures with sound. W. J. Morrissey. 2,243,112; May 27.
Apparatus for testing fluorescent lamps, control units, and circuits. G. W. James. 2,243,755; May 27.
Apparatus for the application of coating compositions. E. C. Pitman. 2,243,220; May 27.
Apparatus for treating screen plates. J. R. Johansson. 2,243,158; May 27.
Apparatus for use in manufacturing artificial filaments. W. Ostermann. 2,243,116; May 27.
Apparatus for unlocking ore bodies to extract sulphur and iron therefrom. H. C. Wolf. 2,243,406; May 27.
Apparatus for winding yarn into cheeses. E. Kinsella. 2,243,101; May 27.

Applicator. D. C. Vick. 2,243,268; May 27.
Applicator, Irrigating. E. Travers. 2,243,299; May 27.
Apron, Barber's. Z. Mercer. 2,243,505; May 27.
Apron mechanism for cigar machines. S. Clausen. 2,243,745; May 27.
Arrester, Lightning. H. B. Wolf. 2,243,592; May 27.
Attachment for T-stands. J. S. Adamson. 2,243,517; May 27.
Attachment for vacuum cleaners. C. R. Pollitt. 2,243,120; May 27.
Attachment for vertical printing presses, Multicolor. P. W. Burgan. 2,243,619; May 27.
Automobile heater. T. F. Spackman. 2,243,609; May 27.
Azo dyestuffs, and making same. G. Bonhôte and C. Apotheker. 2,243,617; May 27.
Bag closing and sealing machine. J. L. Knapp. 2,243,805; May 27.
Band tightening device, Drafting machine. F. G. Eubanks. 2,243,732; May 27.
Bandaging unit, Finger. H. E. Hollander and E. A. Lewis. 2,243,422; May 27.
Barrel, Insulated metal. R. H. Maddock. 2,243,164; May 27.
Bearing for rotary, Hold-down. D. M. Smith and L. Newcomb. 2,243,131; May 27.
Bedpan. J. H. Botenstein. 2,243,791; May 27.
Beet topping mechanism. R. C. Clark and C. J. Clark. 2,243,248; May 27.
Bellows, Constructing metal. J. W. Conklin. 2,243,522; May 27.
Belt, Abdominal. J. Ciarlelli. 2,243,500; May 27.
Belt conveyor. R. H. Salfisberg. 2,243,538; May 27.
Belt, Paneled lehr. G. W. Batchell. 2,243,145; May 27.
Beverage dispensing draft arm. A. L. Koenig. 2,243,675; May 27.
Beverage, Making a sparkling sake-like. K. Takakishi. 2,243,513; May 27.
Binder, Loose-leaf. G. W. Newman. 2,243,535; May 27.
Binder, Straw. W. A. Rasor. 2,243,167; May 27.
Bituminous composition. E. L. Baldeschwieler. 2,243,409; May 27.
Bleeder sheets, Printing. E. K. Stewart. 2,243,175; May 27.
Block: *See*—
Building block.
Block and tackle lifting and lowering device. N. C. Baird. 2,243,664; May 27.
Blood transfusion apparatus. W. B. Cooksey. 2,243,327; May 27.
Blowout preventer, Rotary. F. W. Hild. 2,243,340; May 27.
Boat, Model. J. Chlopicki. 2,243,372; May 27.
Bolster. H. G. Beede. 2,243,146; May 27.
Bolt and nut lock. V. H. Van Sant. 2,243,515; May 27.
Booking machine. O. J. Sundstrand. 2,243,228; May 27.
Bowl, Lavatory. P. F. Stromblad. 2,243,264; May 27.
Box: *See*—
Molded box. Paper box.
Box trap. N. Z. Abriol. 2,243,367; May 27.
Boxcar, Light weight. W. H. Mussey and R. H. Shaver. 2,243,113; May 27.
Brake: *See*—
Air brake. Vehicle brake.
Brake. H. A. Knox. 2,243,103; May 27.
Brake control means. B. S. Aikman. 2,243,449; May 27.
Brake mechanism. C. C. Farmer. 2,243,459; May 27.
Brake shoe, Self-adjusting. J. M. Moore. 2,243,469; May 27.
Braking controller, Regenerative and countertorque. F. W. Wendelburg and R. J. Wadd. 2,243,590; May 27.
Braking system. L. E. Blue and C. F. Hirshfeld. 2,243,068; May 27.
Brooder, Chick. G. M. Keppler. 2,243,159; May 27.
Brush for pools and the like, Bladed. W. C. Otto. 2,243,576; May 27.
Brush, Fountain soap. C. V. Ewan. 2,243,275; May 27.
Brush making machine. J. G. Baumgartner. 2,243,495; May 27.
Buffer, Tire casing. H. V. James. 2,243,707; May 27.
Building block. L. C. Larsen. 2,243,316; May 27.
Burner control system, Fluid fuel. F. E. Lange. 2,243,602; May 27.
Burr remover. L. De Fiore. 2,243,197; May 27.
Bushing structures, Forming. M. Schwartz. 2,243,288–9; May 27.
Butanol-(1)-one-(3), Producing. P. Halbig and A. Treibs. 2,243,701; May 27.
Button making machine. E. Clemens. 2,243,415; May 27.
Cabinet: *See*—
Dispensing cabinet. Tag cabinet.
Steam bath cabinet.
Cabinet. H. B. Kinney. 2,243,279; May 27.

Calculating machine. R. E. Annéren and B. Carlstrom. 2,243,075; May 27.
Calculating machine. H. K. F. Ewald and H. K. Ehring. 2,243,150; May 27.
Camera construction. E. L. Fischer. 2,243,460; May 27.
Camera, Photographic. D. G. H. Waddington. 2,243,689; May 27.
Can opening and spout forming device. L. Sowers. 2,243,511; May 27.
Capacitor motor. B. M. Cain. 2,243,070; May 27.
Capsule or container for highly compressed fluid media. J. A. Honegger. 2,243,754; May 27.
Carding machine. F. J. Schiessler. 2,243,685; May 27.
Carton, Collapsible egg. R. Sandell. 2,243,223; May 27.
Carton container. C. W. Hartmann. 2,243,378; May 27.
Carton feeding mechanism for packaging machinery. H. L. Evans. 2,243,199; May 27.
Case. F. Gettelman. 2,243,625; May 27.
Casing, Filter or medicament. A. Siatis and H. H. Asher. 2,243,360; May 27.
Catalyst, Low temperature active polymerization. R. M. Thomas and O. C. Slotterbeck. 2,243,658; May 27.
Catalyst preparation. A. Voorhies, Jr. 2,243,401; May 27.
Catalyst preparation. A. Voorhies, Jr. 2,243,404; May 27.
Cell, Dry. M. D. Koppelman. 2,243,676; May 27.
Cellulosic material. R. J. W. Reynolds, E. E. Walker, and C. S. Woolvin. 2,243,682; May 27.
Cement mass. K. Daimler and H. Thron. 2,243,501; May 27.
Centering tool. H. A. G. Fornelius. 2,243,201; May 27.
Centrifugal machine. P. van Riel. 2,243,366; May 27.
Centrifugal switch. C. P. Pepper. 2,243,577; May 27.
Chair. H. W. Kranz. 2,243,253; May 27.
Chair back construction. J. E. Bales. 2,243,811; May 27.
Check or paper, Alterproof. W. E. Niece. 2,243,284; May 27.
Chromium recovery. M. J. Udy. 2,243,785; May 27.
Cigarette and cigar lighter. H. R. Milan. 2,243,762–3; May 27.
Circuit: *See*—
Hydraulic circuit. Volume control circuit.
Circuit for automatic frequency control. K. Fritz. 2,243,202; May 27.
Circuits, Radio receiver. R. A. Weagant. 2,243,140–1; May 27.
Circuits, Wave transmission. W. Van B. Roberts. 2,243,440; May 27.
Clamp: *See*—
Roof clamp.
Clamp for crusher jaws. J. McNeill. 2,243,389; May 27.
Cleaner: *See*—
Suction cleaner.
Cleaning device, Rug. S. Rosen and B. M. Hulsh. 2,243,607; May 27.
Clip: *See*—
Electric terminal clip.
Clock. H. Johnson. 2,243,343; May 27.
Clock. J. Mahuo. 2,243,759; May 27.
Clock and other timing devices, Maintained power synchronous electric. C. H. Granger. 2,243,734; May 27.
Closure for rubber drums. K. F. Fay and W. L. Odenwelder. 2,243,796; May 27.
Closure or similar fitting, Window. A. F. Nye 2,243,771; May 27.
Clutch: *See*—
Fluid clutch.
Clutch control mechanism for calculating machines, Combined electric motorband. H. Gang. 2,243,798; May 27.
Coating for rubber. K. D. Bacon and T. A. Knuppl. 2,243,185; May 27.
Colored gold alloy. L. Weiss. 2,243,177; May 27.
Colostomy appliance. A. Grossman and L. Jorg. 2,243,529; May 27.
Combustion control system. W. R. Miller. 2,243,715; May 27.
Communication system. R. H. Campbell. 2,243,692; May 27.
Composition of matter. W. P. ter Horst. 2,243,544; May 27.
Compound compressor. R. H. Swart. 2,243,541; May 27.
Condenser: *See*—
Electrolytic condenser.
Condiment device. A. C. Treece. 2,243,586; May 27.
Condiment holder. F. O. Reinhardt. 2,243,393; May 27.
Cone, Antenna. R. W. Brown. 2,243,618; May 27.
Confection, Wrapped. G. A. Eliestad. 2,243,375; May 27.
Connection for knobs and the like. G. A. Tinnerman. 2,243,266; May 27.
Connector: *See*—
Plug connector.
Container: *See*—
Carton container.
Container. R. H. Van Saun. 2,243,231; May 27.
Container constructed of boxboard and blanks therefor. E. M. Brogden. 2,243,080; May 27.
Container forming machine, Paper. K. W. Macdonald and O. W. Wikstrom. 2,243,352; May 27.
Control apparatus. E. C. Raney. 2,243,166; May 27.
Control apparatus for radio receivers. A. W. Plensler. 2,243,487; May 27.
Control circuit, Selectively. K. R. Sturley. 2,243,401; May 27.
Control device. F. W. Hottenroth, Jr. 2,243,563; May 27.
Control for engines, Fuel. A. W. De Voe and W. M. Moersch. 2,243,594; May 27.
Control means, Brake and sanding. B. S. Aikman. 2,243,450; May 27.
Control means, Chip. R. J. Honekamp. 2,243,277; May 27.
Control mechanism, Pattern chain. A. E. Page. 2,243,777; May 27.
Control switch, Automatic multicircuit. A. B. Poole. 2,243,438; May 27.
Control system. G. H. Fisher. 2,243,200; May 27.
Control system for electric winding gear, Motor. H. Freeman. 2,243,337; May 27.
Control system, Furnace. H. R. Crago. 2,243,071; May 27.
Control system, Motor. C. J. Werner and P. H. Rutherford. 2,243,615; May 27.
Controller for toy trains. A. Ehret. 2,243,671; May 27.
Conveyer, Chain. R. J. Ernst. 2,243,274; May 27.
Cooker for preparing wiener sandwiches. C. W. Vaughan. 2,243,137; May 27.
Cooling device. W. L. Morrison. 2,243,570; May 27.
Copper alloy. F. R. Hensel and E. I. Larsen. 2,243,276; May 27.
Copper plating, Method of preventing. F. L. Koethen. 2,243,104; May 27.
Cornice. E. F. Rebholz. 2,243,222; May 27.
Couch, Studio. I. M. Pink and V. Bergstrom. 2,243,680; May 27.
Coupling: *See*—
Pipe coupling.
Cover for automobiles, Radiator. L. F. Kurschner. 2,243,601; May 27.
Craft, Folding and nonfolding marine. C. H. Clark. 2,243,247; May 27.
Crib and play pen, Combination. M. Bakalar. 2,243,691; May 27.
Cultivating tool, Weeding and. J. A. Roseman. 2,243,127; May 27.
Cultivator, Rotary. E. M. Burns. 2,243,241; May 27.
Curling and crimping device. C. Karaslewicz. 2,243,635; May 27.
Cushion spring structure. J. Kerstein. 2,243,210; May 27.
Cutter: *See*—
Fiber cutter. Paper cutter.
Glass cutter.
Cutting machine, Fur. L. Rotter. 2,243,776; May 27.
Cutting table. J. A. Cash. 2,243,668; May 27.
Cylinder, Blanket. C. S. Crafts. 2,243,195; May 27.
Damper control system, Furnace. W. H. Gille. 2,243,753; May 27.
Dashpot. A. Rosch. 2,243,580; May 27.
Degassing machine. J. Vander Henst. 2,243,176; May 27.
Degreasing and cleaning apparatus. R. F. Flahive. 2,243,093; May 27.
Dehydrator, Manure. J. G. Clark. 2,243,192; May 27.
Dental mold for casting alloys, Refractory. C. J. Grossman. 2,243,094; May 27.
Desk, Typewriter. J. S. Burdick. 2,243,087; May 27.
Device for applying films of coating material to paper webs. L. Parkinson. 2,243,604; May 27.
Device for forming screw closure caps and similar articles. L. A. Von Till and J. G. Kosar. 2,243,138; May 27.
Device for handling sheet material. R. F. Finster. 2,243,557; May 27.
Device for lighting operating rooms. J. A. V. Benard. 2,243,788; May 27.
Device for supporting telephone apparatus. A. N. Epstein. 2,243,554; May 27.
Die casting machine. C. Stahl. 2,243,293; May 27.
Die press or the like, Clutch controlled. E. H. Hall. 2,243,206; May 27.
Diffuser. M. Fuld and A. M. Leoni. 2,243,151; May 27.
Direction signal. A. F. Burst. 2,243,595; May 27.
Discharge apparatus, Electrical. C. A. Nickle. 2,243,574; May 27.
Discharge system, Arc. C. A. Schwenden. 2,243,169; May 27.
Disconnecting device, Electric. L. J. Linde. 2,243,567; May 27.
Disk, Brake. C. L. Eksergian. 2,243,334; May 27.
Dispenser for disinfectants. L. C. Colllnge and J. H. Layman. 2,243,454; May 27.
Dispensing cabinet. F. G. Steiner and R. G. Birr. 2,243,686; May 27.
Dispensing device. V. J. Rosh. 2,243,774; May 27.
Dispensing machine, Ticket. B. S. Watling. 2,243,589; May 27.
Displacement pump. H. F. M. Neumann. 2,243,507; May 27.
Display mount for artificial teeth. M. R. Stein. 2,243,583; May 27.
Distributer, Electric current. H. von Tavel. 2,243,269; May 27.
Dividing machine. J. W. Bryce. 2,243,473; May 27.
Door lock. F. Hizdos. 2,243,155; May 27.
Dough and the like, Dividing. L. S. Harber. 2,243,338; May 27.

Doughnut machine. A. S. T. Lagaard. 2,243,709–10; May 27.
Drawer construction, Space saving. R. S. Cline. 2,243,792; May 27.
Drill: *See*—
Surgical drill.
Drilling device. W. A. Ross. 2,243,319; May 27.
Drilling head, Pressure. A. Pranger and S. A. Gulberson, 3rd. 2,243,439; May 27.
Drum, Barking. A. G. Johansson, A. M. I. Gidlöf, S. Bergstrom, and B. M. Olsson. 2,243,631; May 27.
Duplicating machine. R. F. Morrison and G. E. Wimmer. 2,243,285; May 27.
Dust bag for suction cleaners. E. F. Martinet and H. Van Schoor. 2,243,353; May 27.
Dyes, Preparing 8-alkyl unsymmetrical carbocyanine. L. G. S. Brooker and F. L. White. 2,243,081; May 27.
Dyeings on cellulose esters and ethers and the dyed fiber obtained thereby, Producing fast. G. Krünzlein and C. J. Müller and W. Kirst. 2,243,213; May 27.
Dynamoelectric machines, Treating. R. T. Reardon. 2,243,578; May 27.
Ejector, Double blank. P. E. Pearson. 2,243,649; May 27.
Electric control, System of. A. J. Liebenberg. 2,243,349; May 27.
Electric switch. D. G. Kimball. 2,243,566; May 27.
Electric terminal clip. R. N. Rowe. 2,243,741; May 27.
Electric translating system. W. M. Goodhue. 2,243,558; May 27.
Electrical conductor, Insulated. R. W. Hall and H. A. Smith. 2,243,560; May 27.
Electrical discharge device and anode therefor. F. E. Dietz. 2,243,250; May 27.
Electrical measuring apparatus. F. C. Holtz. 2,243,098; May 27.
Electrical prospecting. P. W. Klipsch and S. Bilinsky. 2,243,428; May 27.
Electrical winding. F. R. D'Entremont. 2,243,553; May 27.
Electrically testing conductors to locate point of a fault. C. E. Pierce. 2,243,259; May 27.
Electricity meter. E. Spahn. 2,243,226; May 27.
Electrode assembly for neon type and other luminous tubes. B. A. Boore. 2,243,496; May 27.
Electrode, Light sensitive. H. G. Lubszynski and L. Klatzow. 2,243,108; May 27.
Electrolytic condenser. W. Dubilier. 2,243,814; May 27.
Electron device. O. Klemperer. 2,243,102; May 27.
Electron multiplier. G. Weiss. 2,243,178; May 27.
Electronic control for doors and other machines. G. C. Devol, Jr. 2,243,310; May 27.
Electroplating of nonconductive surfaces. R. Laux. 2,243,429; May 27.
Emulsion and preparing same, Asphalt. E. J. Barth. 2,243,519; May 27.
Emulsions, Breaking petroleum. M. De Groote and C. M. Blair, Jr. 2,243,329; May 27.
Engine: *See*—
Internal combustion engine.
Esters, Hydroxy benzoic acid. W. G. Christiansen and S. E. Harris. 2,243,694; May 27.
Esters, Manufacture of nitric acid. J. F. Olin. 2,243,471; May 27.
Evaporator. J. L. Campbell. 2,243,307; May 27.
Exchanger, Heat. J. P. Zallea. 2,243,593; May 27.
Exerciser, Bust. A. Taylor. 2,243,297; May 27.
Expansion joint. J. J. Prosa. 2,243,509; May 27.
Exposure meter, Photoelectric. A. Leber. 2,243,383; May 27.
Extracts, Preparation of hop. L. D. Wood. 2,243,143; May 27.
Eyeglass construction. G. E. Nerney. 2,243,769–70; May 27.
Eyeglass construction. H. E. Spooner. 2,243,768; May 27.
Eyeglass construction and making the same. G. E. Nerney. 2,243,767; May 27.
Fan blade. P. M. Brannan. 2,243,189; May 27.
Fastener: *See*—
Slider fastener.
Feeder: *See*—
Poultry feeder. Sheet feeder.
Feeder and distributor for conveyers. W. D. Balcom. 2,243,665; May 27.
Feeding mechanism. E. P. Wine. 2,243,405; May 27.
Fiber cutter. A. A. Ewald. 2,243,623; May 27.
File band. E. E. Kohls and I. M. Jones. 2,243,757; May 27.
File, Nail. P. J. Cummings. 2,243,328; May 27.
Filling machine. E. G. Bauer. 2,243,451; May 27.
Filling valve. C. E. Kerr. 2,243,463; May 27.
Filter: *See*—
Self-cleaning filter. Unit filter.
Filter. E. C. Ditzen. 2,243,311; May 27.
Filter element and making the same. E. J. Sweetland. 2,243,296; May 27.
Finishing machine, Plate. O. C. Roesen. 2,243,261; May 27.
Fireplace construction. G. W. Donley. 2,243,751; May 27.
Fishing bait, Floatable. W. M. Wareham. 2,243,663; May 27.
Fishing rod holder. J. Magyarosi. 2,243,388; May 27.
Fishing tool. B. J. Festervan and N. F. Henderson. 2,243,419; May 27.
Fitting, Grease. J. W. Richardson. 2,243,605; May 27.
Fitting, Sanitary. R. E. Olson. 2,243,356; May 27.
Fitting, Wellhead. H. V. Flemming and W. R. Barney. 2,243,598; May 27.
Fixture, Drapery. O. N. Whitehead and E. B. Crawford. 2,243,724; May 27.
Fixture, Lighting. M. S. Wideroe. 2,243,270; May 27.
Floor coverings and the like, Method of and apparatus for removing moisture from. G. E. Schulz. 2,243,396; May 27.
Flotation apparatus. A. C. Daman and L. H. Logue. 2,243,309; May 27.
Flow valve. C. S. Crickmer and H. C. Glitsch. 2,243,308; May 27.
Fluid clutch. W. H. Reed. 2,243,652; May 27.
Fluid flow meter. G. T. Huxford and E. R. Loud. 2,243,252; May 27.
Fluid meter. H. Dallmann and H. R. Eggers. 2,243,475; May 27.
Fluid translating apparatus. J. G. Ritter. 2,243,123; May 27.
Fluorescent screen. S. T. Henderson. 2,243,097; May 27.
Flush tank valve. W. C. Groeniger. 2,243,203; May 27.
Flusher for automobile radiators. M. Terlesky and L. W. Stremich. 2,243,446; May 27.
Flux composition for welding and soldering aluminum. O. Horowitz. 2,243,424; May 27.
Foil material, Printing on transparent flexible. H. Hille. 2,243,706; May 27.
Foils, Producing metal embossing. C. Whiley. 2,243,237; May 27.
Folding. H. A. Freedman. 2,243,502; May 27.
Folding machine. C. T. Batcheider. 2,243,077; May 27.
Folding machine. C. A. Newhall. 2,243,115; May 27.
Follow-up mechanism. D. D. Dutter. 2,243,456; May 27.
Food grinding mill. M. W. Hartmann. 2,243,476; May 27.
Fracture reducing device. A. L. Stearns. 2,243,294; May 27.
Freezer, Counter. L. A. M. Phelan. 2,243,317; May 27.
Frequency modulating receiver. W. L. Carlson. 2,243,414; May 27.
Frequency modulation. N. E. Lindenblad. 2,243,216; May 27.
Frequency modulation receiver. M. G. Crosby. 2,243,417; May 27.
Frequency modulation receiver. E. A. Krauth. 2,243,214; May 27.
Frequency monitor and detector. C. W. Hansell. 2,243,702; May 27.
Fruit sizing machine. E. M. Wayland. 2,243,516; May 27.
Fryer, Deep fat food. K. P. Tota. 2,243,661; May 27.
Fuel product, Motor. T. H. Rogers and V. Voorhees. 2,243,168; May 27.
Furnace and water heater, Combination. A. Doherty. 2,243,455; May 27.
Furnace structure and method of forming same, Tubular. J. E. Trainer, I. Harter, and J. P. Roger. 2,243,402; May 27.
Fuse. H. A. Triplett. 2,243,135; May 27.
Fuse construction. S. I. Lindell. 2,243,107; May 27.
Fuse for projectiles, Percussion. P. E. J. Denoix. 2,243,621; May 27.
Fuse remover. H. D. Grinnell. 2,243,528; May 27.
Fuse, Renewable. H. Scheinbeim. 2,243,287; May 27.
Game. A. del Llano y Fernandez. 2,243,620; May 27.
Game, Football. F. A. Caso. 2,243,693; May 27.
Garment. L. J. Maclear. 2,243,531; May 27.
Gas mixing machine. F. O. Hess. 2,243,704; May 27.
Gasoline and iso-octane, Manufacture of. C. L. Thomas. 2,243,298; May 27.
Gauge: *See*—
Hinge gauge.
Gauges, Making plug. W. T. Schaurte. 2,243,608; May 27.
Gear: *See*—
Power reverse gear.
Gear shifting mechanism, Self-adjusting. E. E. Smith. 2,243,321; May 27.
Gearing. W. A. Kennedy. 2,243,100; May 27.
Gearing, Magnet. H. T. Faus. 2,243,555; May 27.
Generator: *See*—
Oscillation generator. Oscillator generator.
Glass cutter. T. J. Stansel. 2,243,778; May 27.
Glass, Method and apparatus for the manufacture of hardened. G. P. Despret. 2,243,149; May 27.
Glass, Method of and apparatus for blowing. A. F. Tremblay. 2,243,267; May 27.
Glass sheet or plate, Making. E. J. Cook. 2,243,194; May 27.
Grader, Road. J. H. Kerber. 2,243,564; May 27.
Gravity meter. D. H. Clewell. 2,243,746–50; May 27.
Grinder, Cam. H. E. Balsiger and R. E. Price. 2,243,410; May 27.
Grinding machine, Internal. H. L. Blood. 2,243,371; May 27.
Grinding machine, Roll. C. G. Flygare. 2,243,336; May 27.

Guard for windows, Curtain. M. L. Anderson. 2,243,271; May 27.
Guide control for winding machines, Yarn. J. O. McKean. 2,243,678; May 27.
Guiding and latching means for automobile hoods, Unitary. W. H. Krause. 2,243,758; May 27.
Guiding device for the winding of thread, Thread. M. B. Gazet. 2,243,624; May 27.
Gun, Poison. D. A. Smith. 2,243,510; May 27.
Hair curler. T. S. Smalley. 2,243,173; May 27.
Hammer counterbalance, Pile driver. T. H. Settle. 2,243,292; May 27.
Handle for welding, Electrode. T. W. Aiken. 2,243,368; May 27.
Hanger: *See*—
Paint bucket hanger.
Hanger. E. N. Hanger. 2,243,153; May 27
Harmonica. F. F. Taylor and O. K. Cazin 2, 243,542; May 27.
Harmonics, Method and apparatus for generating. G. D. Huist, Jr. 2,243,600; May 27.
Harness indicating device. H. Von Weingraber and W. Knedel. 2,243,235; May 27.
Harvesting machine. B. Poll. 2,243,650; May 27.
Hat, Adjustable. F. Ostolaza and G. E. Holmes. 2,243,357; May 27.
Head for compressed fluid flasks, Operating. C. H. Smith. 2,243,581; May 27.
Heat exchange apparatus, Fluid. C. E. Lucke. 2,243,430; May 27.
Heater: *See*—
Automobile heater. Water heater.
Heater. E. E. Hans. 2,243,562; May 27.
Heating appliance. H. E. Yocom. 2,243,549; May 27.
Heating element, Tubular electrical resistance. C. B. Backer. 2,243,823; May 27.
Heating system, Water. W. Auckland. 2,243,144; May 27.
High frequency system, Ultra. R. J. Kircher. 2,243,426; May 27.
Hinge, Collapsible crate. B. Huggins. 2,243,157; May 27.
Hinge gauge. J. L. Taylor. 2,243,779; May 27.
Hoist, Drum. W. P. Muir and J. H. Maude. 2,243,642; May 27.
Hoisting device. E. E. Robins. 2,243,358; May 27.
Holder: *See*—
Condiment holder. Pipe holder.
Fishing rod holder. Pot holder.
Hose holder. Soap holder.
Holder for celery blanching paper. A. Busá. 2,243,667; May 27.
Holder for containers, Rebate check. W. W. Hodgson. 2,243,629; May 27.
Hood, Serving counter. C. H. Whitenack. 2,243,491; May 27.
Hose holder. R. E. Livingston. 2,243,387; May 27.
Hose, Molded drain. R. Henry. 2,243,673; May 27.
Hosiery, Manufacture of full-fashioned. A. F. Verbeek. 2,243,612; May 27.
House structure, Prefabricated portable. W. J. Crites. 2,243,373; May 27.
Humidifier, heater, and dehumidifier. G. R. Magney. 2,243,281; May 27.
Hydraulic circuit. G. A. Wahlmark. 2,243,139; May 27.
Hydraulic rams, Synchronizing. K. C. Monroe. 2,243,716; May 27.
Illuminated sign. H. C. Hammer. 2,243,816; May 27.
Illuminating sphere fixture, Electric lighted. J. Levy. 2,243,712; May 27.
Implements, Method and means for manipulating wire formed. F. M. Clauss and C. Moellerke. 2,243,813; May 27.
Impulse repeater, Regenerative. W. V. K. Large. 2,243,215; May 27.
Indexing means, Drafting machine. F. G. Eubanks. 2,243,731; May 27.
Indicator: *See*—
Visual tuning indicator.
Indicator for telescopic rifle sights, Cant. H. G. Cummins. 2,243,793; May 27.
Indicator means. A. N. Anderson. 2,243,074; May 27.
Industrial joint. E. R. Anderson. 2,243,062; May 27.
Ink requirements, Method and means for testing. F. W. Hoch. 2,243,674; May 27.
Insecticide. W. F. Hester. 2,243,479; May 27.
Insecticidal composition. E. Harvill. 2,243,207; May 27.
Insecticidal process. W. F. Hester. 2,243,477; May 27.
Inside control hood latch. R. Hill. 2,243,803; May 27.
Internal combustion engine. K. L. Herrmann. 2,243,817–22; May 27.
Internal combustion engine. R. M. Nardone. 2,243,645; May 27.
Iron, Desulphurization of cast. K. M. Tigerschiöld. 2,243,514; May 27.
Jack: *See*—
Vehicle jack.
Jet propulsion of water-borne vessels. J. W. Goodyear. 2,243,800; May 27.
Joint: *See*—
Expansion joint. Plywood panel joint.
Industrial joint.
Ketones, Preparation of monohalogenated. G. H. Morey. 2,243,484; May 27.
Knife unit for meat cutters. D. O. Beckner. 2,243,666; May 27.
Lamp and switch, Incandescent. A. F. Bahlke. 2,243,186; May 27.
Lamp changer. R. J. Limbert. 2,243,106; May 27.
Lamp standard, Electric. P. B. Roberts. 2,243,775; May 27.
Latch: *See*—
Inside control hood latch.
Latch mechanism. S. B. Whittier. 2,243,179; May 27.
Latching device. R. Marple. 2,243,282; May 27.
Latching means for refrigerator doors. F. D. Peltier. 2,243,772; May 27.
Leather, Producing artificial. F. Loblein. 2,243,736; May 27.
Light attachment for electric razors. V. J. Molnar. 2,243,483; May 27.
Light signal. W. B. Wells and W. K. Lockhart. 2,243,448; May 27.
Lighter. G. P. Schmitt and D. A. Richards. 2,243,539; May 27.
Lighter, Cigar. H. G. Lehmann. 2,243,639; May 27.
Lined concrete pipe. R. V. Edwards. 2,243,273; May 27.
Link, Flexible. K. K. Probst. 2,243,286; May 27.
Liquid level control device F. J. Rouan and F. C. Sova. 2,243,536; May 27.
Liquid level control. J. L. Biach. 2,243,188; May 27.
Liquids, Treating. A. J. Welnig. 2,243,302; May 27.
Loading device J. L. Herold and F. W. Webmiller. 2,243,313; May 27.
Lock: *See*—
Bolt and nut lock. Door lock.
Lock mechanism. R. F. Joyce. 2,243,708; May 27.
Lubricant. J. M. Musselman. 2,243,485; May 27.
Lubricating composition. P. K. Frolich. 2,243,420; May 27.
Luminescent screen. H. W. Leverenz. 2,243,828; May 27.
Machine for removing skin. W. H. O'Connor. 2,243,508; May 27.
Machine for separating seeds or the like. D. Franks. 2,243,797; May 27.
Machine for treating work or articles electrolytically. J. V. Davis. 2,243,728; May 27.
Machine tool. G. H. Johnson. 2,243,379; May 27.
Magnet, Lifting. J. Bing and O. Block. 2,243,616; May 27.
Magnetic objective for electron microscopes. M. von Ardenne. 2,243,403; May 27.
Magneto. W. D. Crocker. 2,243,416; May 27.
Magneto apparatus. W. D. Crocker. 2,243,418; May 27.
Magnetic element, Laminated. G. W. Rawlings. 2,243,318; May 27.
Material spreader. C. E. Volk. 2,243,233; May 27.
Matter, Composition of. R. R. Lewis and A. J. Weiss. 2,243,386; May 27.
Measuring and dispensing device. C. A. Bickel and P. F. Danielson. 2,243,452; May 27.
Measuring device, Pressure. B. W. Sewell. 2,243,398; May 27.
Mechanism for cleansing type in galleys. J. F. Hall and C. P. Dunn. 2,243,152; May 27.
Metal articles, Making hollow wrought. F. B. Wendel. 2,243,809; May 27.
Metallurgy. M. J. Udy. 2,243,785; May 27.
Metals and/or metal alloys and more particularly to a method of maintaining a uniform rule of flow of the molten mass into the mold or chill, Casting of. S. Junghans. 2,243,425; May 27.
Meter: *See*—
Electricity meter. Fluid meter.
Exposure meter. Gravity meter.
Fluid flow meter.
Meter construction, Polyphase watt-hour. W. W. Sherwood. 2,243,130; May 27.
Method and apparatus for the application of aerating air to carburetors for internal combustion engines. A. Abramson. 2,243,072; May 27.
Method and material suitable for use in the production of molten metal products. M. J. Udy. 2,243,784; May 27.
Method for treating foots of spirits of turpentine to obtain phenol ethers. T. Hasselström and B. L. Hampton. 2,243,802; May 27.
Method of and apparatus for reducing ores and effecting other chemical reactions. J. D. Madaras. 2,243,110; May 27.
Microscope system, Electron. T. W. Sukumlyn. 2,243,362; May 27.
Mill: *See*—
Food grinding mill.
Mixer. F. E. Sette. 2,243,443; May 27.
Mixtures and alloys, Production of chromium-bearing reaction. M. J. Udy. 2,243,783; May 27.
Modulation system. N. H. Clough. 2,243,193; May 27.
Mold and protective basket therefor, Combination frozen confection. N. A. Thomas. 2,243,363; May 27.
Mold for hollow articles and core therefor, Casting. G. A. Agnew. 2,243,407; May 27.
Mold making machine. E. E. Eteau. 2,243,092; May 27.
Molds, Electroforming method of making tire. J. W. Bishop. 2,243,521; May 27.
Molded box. K. T. Barrett. 2,243,065; May 27.

Molding composition and method of making. R. P. Gutterman. 2,243,700; May 27.
Mop. W. G. Bailey. 2,243,518; May 27.
Motor: *See*—
Capacitor motor. Timer motor.
Motor attachment, Outboard. L. A. Daly. 2,243,551; May 27.
Motor-compressor unit for refrigeration, Making. A. A. Kucher. 2,243,464; May 27.
Motor driven vehicle. H. Maruhn. 2,243,713; May 27.
Motor vehicle. F. R. McFarland. 2,243,111; May 27.
Mounting: *See*—
Ophthalmic mounting. Spring mounting.
Mounting device for machine guns. J. C. Trotter. 2,243,365; May 27.
Mowing device, Power. J. C. Steiner and C. C. Fulton. 2,243,133; May 27.
Muffler. F. Carter. 2,243,499; May 27.
Navigating instrument. H. Stark. 2,243,512; May 27.
Nozzle, Vacuum cleaner. E. Stroschein. 2,243,611; May 27.
Nozzles, Making blowpipe. P. R. Aronson and W. E. Self. 2,243,184; May 27.
Number comparing means. J. W. Bryce. 2,243,474; May 27.
Odometer. I. E. Mather. 2,243,738; May 27.
Offsetting arrangement for boring tools and the like. H. L. Blood. 2,243,147; May 27.
Oil, Fuel. M. A. Dietrich. 2,243,198; May 27.
Oils, Conversion of hydrocarbon. B. L. Kramer. 2,243,315; May 27.
Oils, Conversion of hydrocarbon. J. D. Seguy. 2,243,291; May 27.
Oils, Producing Diesel. F. Martin, O. Roelen, and P. Schaller. 2,243,760; May 27.
Oils, Treatment of hydrocarbon. W. L. Benedict and J. E. Ahlberg. 2,243,824; May 27.
Olefins and diolefins, Production of. A. Cantzler and H. Krekeler. 2,243,191; May 27.
Operating apparatus, Railway switch. H. L. Bone. 2,243,727; May 27.
Operating device, Contact. A. M. Skellett. 2,243,399; May 27.
Ophthalmic mounting. J. J. Pomeranz. 2,243,681; May 27.
Optical projection apparatus. C. O. Browne. 2,243,084; May 27.
Ornament. W. B. Miles, Jr. 2,243,764; May 27.
Oscillation generator. S. W. Seeley. 2,243,540; May 27.
Oscillator generator. H. B. Deal and S. W. Seeley. 2,243,524; May 27.
Outlet and fitting therefor, Waste and overflow. W. C. Groeniger. 2,243,204; May 27.
Oxidizing mixture having controlled oxygen evolution rate when used in solution, Stable dry. J. L. Richmond. 2,243,683; May 27.
Pail, Bait. F. Candioto. 2,243,498; May 27.
Paint bucket hanger. P. Glosier. 2,243,799; May 27.
Panel trim retainer. D. C. Bailey. 2,243,743; May 27.
Paper box. C. Holtkamp. 2,243,525; May 27.
Paper box and making the same. R. A. Himes. 2,243,421; May 27.
Paper cutter. O. O. Sheline. 2,243,359; May 27.
Papermaking machinery. H. C. Randell. 2,243,773; May 27.
Parasiticide. W. P. ter Horst. 2,243,543; May 27.
Pen and manufacturing the same. R. S. Huss, R. E. Stroh, and J. M. Ashmore. 2,243,342; May 27.
Pencil. M. E. Trollen. 2,243,688; May 27.
Pencil, Mechanical. J. P. Lynn. 2,243,109; May 27.
Peroxide from potassium persulphate, Process for the continuous production of hydrogen. M. Salleras. 2,243,810; May 27.
Petroleum emulsions, Breaking. M. De Groote and B. Keiser. 2,243,330; May 27.
Photograph, Multiple record. C. G. and C. A. Freborg. 2,243,698; May 27.
Photosensitive apparatus. C. Chilowsky. 2,243,596; May 27.
Pipe: *See*—
Lined concrete pipe.
Pipe coupling. J. Thomson. 2,243,265; May 27.
Pipe fitting. T. G. Sutherland. 2,243,687; May 27.
Pipe holder. O. L. McIntyre. 2,243,433; May 27.
Pipe wrench. D. Cole. 2,243,272; May 27.
Piston, Engine. O. L. Starr. 2,243,263; May 27.
Piston ring. J. H. Ballard. 2,243,004; May 27.
Pitting machine. E. W. Carroll. 2,243,246; May 27.
Pliers. M. A. Buettell. 2,243,086; May 27.
Plug and sealing means therefor, Closure. S. Schwartz. 2,243,290; May 27.
Plug connector. T. J. Murphy. 2,243,573; May 27.
Plywood panel joint. A. A. Lahti. 2,243,161; May 27.
Pneumatic press. E. H. Hall. 2,243,205; May 27.
Polymeric materials. G. T. Vaala. 2,243,662; May 27.
Polymers from iso-olefins and halogenated derivatives of the polymers, Production of high molecular. A. J. Morway and F. L. Miller. 2,243,470; May 27.
Polysaccharides with animomethyl pyrroles. Reaction of. A. L. Houk and L. H. Bock. 2,243,630; May 27.
Pot holder. K. F. Adler. 2,243,305; May 27.
Poultry feeder. C. E. Hedrick. 2,243,154; May 27.
Pouring apparatus. G. D. Rogers. 2,243,125; May 27.
Power and speed transmission, especially in motor vehicles. G. Meyer. 2,243,482; May 27.
Power control earth working devices. A. Ashton. 2,243,306; May 27.
Power plant. F. D. Howe and J. Riise. 2,243,156; May 27.
Power reverse gear. E. M. Shannon. 2,243,656; May 27.
Power transmitting device. J. Wolkoff. 2,243,548; May 27.
Press: *See*—
Pneumatic press.
Pressure producing pumps, Hand operated. W. A. Patton and W. T. Stephens. 2,243,648; May 27.
Pressure regulating system. D. Gregg. 2,243,627; May 27.
Pressure vessel for hydrogenating hydrocarbons. F. K. Zerbe. 2,243,240; May 27.
Printing, Method of color. J. J. Ormond. 2,243,486; May 27.
Projection apparatus. K. Koehl. 2,243,160; May 27.
Propeller control, Variable pitch. J. H. Hammond, Jr., and G. A. Colley. 2,243,095; May 27.
Protein composition, Plasticized. R. J. Myers. 2,243,644; May 27.
Protractor. C. M. Rodi. 2,243,579; May 27.
Puller. F. E. Stahl. 2,243,361; May 27.
Pump: *See*—
Displacement pump. Rotary pump.
Pressure producing pump.
Pump sealing means, Submersible. J. B. Hawley, Jr. 2,243,208; May 27.
Pumping mechanism. D. J. Deschamps. 2,243,374; May 27.
Pumping unit, Counterbalanced. E. W. Patterson. 2,243,117; May 27.
Push bench apparatus. K. Korbuly. 2,243,382; May 27.
Push button switch. D. J. O'Brien. 2,243,646; May 27.
Putting surface, Convex. F. W. Preece. 2,243,720; May 27.
Pyrazolones, Substituted. J. H. Williams. 2,243,324; May 27.
Rack: *See*—
Utility rack.
Rack. A. E. Fiala. 2,243,312; May 27.
Radio communication, Method of. P. H. Davis. 2,243,523; May 27.
Radio receiving system, All-wave. J. G. Aceves. 2,243,180; May 27.
Radio receiving system, All wave. E. V. Amy and J. G. Aceves. 2,243,182; May 27.
Razor. E. Laxo. 2,243,348; May 27.
Receptacle for investments, Combination expansible absorbent. C. E. Summy. 2,243,445; May 27.
Record, Sound. H. W. Dudley. 2,243,090; May 27.
Records, Analysis of seismographic. L. G. Ellis. 2,243,729; May 27.
Reel: *See*—
Spool reel.
Reeling apparatus. E. J. McIlvried and N. H. Nye. 2,243,480; May 27.
Reflector. E. W. Menke. 2,243,434; May 27.
Reflector, Lantern. E. G. Griffith and H. L. Johnson. 2,243,672; May 27.
Refractory and process of manufacture, Porous. J. D. Morgan. 2,243,219; May 27.
Refrigerating apparatus. A. A. Kucher. 2,243,465–6; May 27.
Refrigerating apparatus. H. R. Van Deventer and S. C. McKeown. 2,243,447; May 27.
Refrigeration. P. A. Nelson. 2,243,766; May 27.
Regulator: *See*—
Self-acting regulator.
Relief valve, Automatically acting. J. Lamb. 2,243,711; May 27.
Remote control device, Hydraulic. R. L. Lévy. 2,243,385; May 27.
Remote control system, Fluid pressure. P. W. Thornhill. 2,243,781; May 27.
Remote control system for phonographs and the like. E. A. Ebert. 2,243,622; May 27.
Remote control system, Liquid pressure. W. C. Trautman. 2,243,364; May 27.
Repeater for phonographs. J. L. Routin. 2,243,126; May 27.
Resin, Furfuryl alcohol. J. G. Meiler. 2,243,481; May 27.
Resonator grid structure. A. H. Ryan. 2,243,537; May 27.
Ring: *See*—
Piston ring.
Ring for sealing pipes, Pouring. W. Kelley. 2,243,314; May 27.
Ring forming machine. E. N. Lowry. 2,243,351; May 27.
Road machine. C. A. Gustafson. 2,243,251; May 27
Road vehicle. D. C. Rockola. 2,243,124; May 27.
Roll, Temple. R. W. Cutler. 2,243,148; May 27.
Roof clamp. H. E. Johnson. 2,243,468; May 27.
Roof covering and compounding same. C. A. Bartholomew. 2,243,494; May 27.
Roof covering, Metal. T. D. Miller. 2,243,256; May 27.
Rotary pump. E. O. Rodaway. 2,243,653; May 27.
Rotors, Method and apparatus for balancing. O. E. Esval and C. A. Frische. 2,243,457; May 27.

Safety valve for preventing accidental operation of automatic guns on aircraft. G. E. Beharrell, J. Wright, and H. Trevaskis. 2,243,520; May 27.
Safety device for band ovens. H. O. Mercier. 2,243,390; May 27.
Sander. C. A. Campbell. 2,243,242–4; May 27.
Satchel for carrying horseshoe pitching outfits. J. Rindos. 2,243,260; May 27.
Sawing machine. W. F. Wells. 2,243,303; May 27.
Scale, Weighing. B. S. Watling. 2,243,690; May 27.
Scope, Operating. C. E. Pope. 2,243,285; May 27.
Screen: *See*—
Fluorescent screen. Vibrating screen.
Luminescent screen.
Seal. H. T. McDonald. 2,243,255; May 27.
Seal, Car. H. E. Gibson and L. Q. Moore. 2,243,376; May 27.
Seal, Electrode. S. A. Hardin. 2,243,096; May 27.
Sealing means, Shaft. A. C. Stratton. 2,243,227; May 27.
Seam for sheet metal containers, Side. E. L. Hazard. 2,243,628; May 27.
Seat cover apparatus, Sanitary paper. H. I. Stiller. 2,243,134; May 27.
Securing device for bead trim, Resilient. J. H. Van Uum. 2,243,322; May 27.
Sedan top and sleeping compartment. A. S. Thompson. 2,243,659; May 27.
Self-acting regulator. W. M. Young. 2,243,304; May 27.
Self-cleaning filter. C. P. Griffith. 2,243,559; May 27.
Sending unit for indicators. H. F. Malone. 2,243,807; May 27.
Servomotor with rotary control and torque motor, Pump. H. F. MacMillin and I. B. Lawyer. 2,243,603; May 27.
Servo system. D. Gregg and R. Dunlder. 2,243,626; May 27.
Setting and baking machine, Edge. G. W. Liberty and G. Bratt. 2,243,163; May 27.
Sewage and industrial waste, Method and apparatus for treating. A. F. Nielsen and W. L. Paulison, Jr. 2,243,826; May 27.
Sewing machine. A. R. Morrill. 2,243,257; May 27.
Sewing machine. G. Sauer. 2,243,654; May 27.
Sewing machine, Lockstitch. M. Roberts. 2,243,606; May 27.
Sewing machine, Tacking stitch. A. Klerner. 2,243,211; May 27.
Sharpener, Pencil. R. R. Walker. 2,243,490; May 27.
Shaving device. G. Dalkowitz. 2,243,196; May 27.
Shaving device. C. T. Russell. 2,243,441; May 27.
Sheet feeder. F. W. Seybold and D. P. Sanford. 2,243,170; May 27.
Sheets and the like, Apparatus for forming or coating A. J. Diescher. 2,243,333; May 27.
Shirt fold, Pinless man's. J. Vandermade. 2,243,230; May 27.
Shock absorber. P. W. Thornhill. 2,243,782; May 27.
Shock absorber, Hydraulic. L. H. Kyle. 2,243,280; May 27.
Shock absorbing element. R. G. Fageol. 2,243,462; May 27.
Shoe. E. G. Marinetti. 2,243,737; May 27.
Shoes, Manufacture of. H. J. Willmott. 2,243,142; May 27.
Shorts, Man's. W. Murphey. 2,243,643; May 27.
Sign: *See*—
Illuminated sign.
Signal: *See*—
Direction signal. Light signal.
Signal-translating system, Video-frequency. P. J. Herbst. 2,243,599; May 27.
Signaling system. H. O. Peterson. 2,243,719; May 27.
Signalling system for vehicles. C. M. Roan, O. E. Kaupang and A. W. Rohlen. 2,243,472; May 27.
Signaling system, Railway. L. R. Allison. 2,243,725; May 27.
Signaling system, Railway. G. W. Baughman. 2,243,726; May 27.
Signalling system, Traffic. L. A. Clark. 2,243,088; May 27.
Silencer. B. G. Brown. 2,243,082; May 27.
Sinker. C. L. Page. 2,243,392; May 27.
Sled. W. E. Kidder. 2,243,345; May 27.
Slider fastener. A. W. Tripp and J. D. Stiriss. 2,243,545; May 27.
Slider fastener, Tape connected. A. W. Tripp and J. D. Stiriss. 2,243,546; May 27.
Smoker's article. M. Eguchi. 2,243,091; May 27.
Soap holder. F. Kadish. 2,243,634; May 27.
Sole and shoe positioning device. W. M. Altenburg. 2,243,073; May 27.
Solution feeding device. A. N. Munn. 2,243,258; May 27.
Spat. I. Sharp. 2,243,444; May 27.
Speech, Production of artificial. H. W. Dudley. 2,243,525–6–7; May 27.
Speed control mechanism. W. C. Scott. 2,243,655; May 27.
Speed maintaining control. C. W. Musser. 2,243,354; May 27.
Spool and bobbin. G. G. Tucker, Jr. 2,243,300; May 27.
Spool for spirally coiled films in film developing devices, Supporting. F. Busse. 2,243,453; May 27.
Spool reel, Convertible. H. L. De Golyer. 2,243,670; May 27.
Spout, Milk bottle. P. H. Kraetch. 2,243,636; May 27.
Spray compound, Horticultural emulsion. F. F. Lindstaedt. 2,243,254; May 27.
Sprayer. G. Mott, Jr., and C. L. Brown, Jr. 2,243,435; May 27.
Sprayer, Traction. F. R. Elliott. 2,243,597; May 27.
Spraying device. T. Turner. 2,243,587; May 27.
Spraying machine. W. M. Spreng. 2,243,610; May 27.
Spring. O. W. Lorini. 2,243,217; May 27.
Spring mounting. E. B. Thigpen. 2,243,780; May 27.
Springing for railway trucks. C. D. Barrett and C. R. Whitehead. 2,243,411; May 27.
Statistical chart. W. I. Hutchison. 2,243,209; May 27.
Steam bath cabinet. A. J. Carl. 2,243,550; May 27.
Steel, Colored. C. Batcheller. 2,243,787; May 27.
Steel, Heating and rolling. A. B. Bixby. 2,243,744; May 27.
Sterilization of liquids. W. Matzka. 2,243,761; May 27.
Stocking and manufacturing the same. A. Verbeek and E. Eissner. 2,243,613; May 27.
Stones with high porosity, Manufacture of artificial. J. Albert. 2,243,369; May 27.
Strainer, Rotary self-cleaning. J. M. and F. H. Towler. 2,243,585; May 27.
Stroboscopic meter testing apparatus. F. W. E. Weisse. 2,243,547; May 27.
Sucker rods, Method and apparatus for heating and quenching. E. E. Stevenson. 2,243,174; May 27.
Suction cleaner. B. C. Becker. 2,243,066; May 27.
Suction cleaner. Q. Berg. 2,243,067; May 27.
Suction cleaner. V. E. Carlson. 2,243,812; May 27.
Sugar, Manufacturing. V. Klopfer. 2,243,381; May 27.
Sulphonate. M. de Simo and J. J. O'Connor. 2,243,331; May 27.
Sulphuric compound. M. de Simo, J. J. O'Connor and G. S. Parsons. 2,243,332; May 27.
Supply means for centrifugal separators, Liquid. E. A. Forsberg. 2,243,697; May 27.
Support for motion picture projection machines or the like. A. Kindelmann and C. A. Soehl. 2,243,212; May 27.
Supporting device for bathtubs. R. M. Dunn. 2,243,794; May 27.
Supporting or attaching means for ornaments, Complementary. D. Silverstein. 2,243,742; May 27.
Surgical device. F. E. de G. Moreira. 2,243,717; May 27.
Surgical drill. F. E. de G. Moreira. 2,243,718; May 27.
Switch: *See*—
Centrifugal switch. Electric switch.
Control switch. Push button switch.
Switch. J. A. Bougie. 2,243,497; May 27.
Switching apparatus and method, Multiple. K. Ono and S. Ikeda. 2,243,575; May 27.
System for the artificial production of vocal or other sounds. H. W. Dudley. 2,243,089; May 27.
Table: *See*—
Cutting table.
Tableware. R. S. Walsh. 2,243,236; May 27.
Tag cabinet. H. M. Sears and S. Rothenberg. 2,243,320; May 27.
Tank for trucks, Grain. A. Scholtz. 2,243,395; May 27.
Teeth, Set of false. L. Haller. 2,243,377; May 27.
Television system. W. Soller. 2,243,132; May 27.
Television transmitting apparatus. A. D. Blumlein and C. O. Browne. 2,243,079; May 27.
Tenderizer, Meat. A. S. Wilson. 2,243,492; May 27.
Tension control for yarn slashers. E. J. Eaddy. 2,243,795; May 27.
Tent. J. E. Larsson. 2,243,638; May 27.
Testing machine, Fatigue. F. Buckingham. 2,243,413; May 27.
Textile materials, Manufacture and treatment of artificial. F. B. Hill and T. Jackson. 2,243,705; May 27.
Textile materials, Treatment of cellulosic. T. H. Morton. 2,243,765; May 27.
Therapeutic apparatus. K. Connell. 2,243,695; May 27.
Thermometer. H. D. Bolton. 2,243,326; May 27.
Thermometer construction. G. E. Ford. 2,243,733; May 27.
Thermosensitive instrument. R. E. Olson. 2,243,355; May 27.
Thermostat. E. L. Mayo. 2,243,714; May 27.
Timer motor. R. G. Arey. 2,243,063; May 27.
Tin, Recovery of. M. Mandl. 2,243,165; May 27.
Tobacco rod forming machine. P. Herrmann. 2,243,703; May 27.
Tool: *See*—
Abrasive tool. Fishing tool.
Centering tool. Machine tool.
Cultivating tool.
Tool and method for curling hair, Novel. A. Schwab. 2,243,397; May 27.
Tool for cutting fruit. T. Tachi. 2,243,657; May 27.
Tool useful in recovering well tubing, well casing, etc. G. D. Johnson. 2,243,099; May 27.
Toolholder. J. Zasada. 2,243,239; May 27.
Tow bar for automobiles. C. A. Klein and B. H. Russell. 2,243,347; May 27.
Toy Submarine. A. J. Middler. 2,243,568; May 27.
Tractor stop hitch. G. Den Besten. 2,243,552; May 27.
Traffic control apparatus. J. L. Barker. 2,243,187; May 27.
Traffic control system, Directional. P. P. Horni. 2,243,341; May 27.

Traffic controlling apparatus, Railway. B. E. O'Hagan. 2,243,740; May 27.
Traffic controlling apparatus, Railway. C. E. Staples. 2,243,722; May 27.
Transfer sheet and composition for producing reinkable impressions. J. Bjorksten and W. J. Champion. 2,243,078; May 27.
Transformer compensated for precise measurements. W. M. Lee. 2,243,162; May 27.
Transmission system, Electric power. W. M. Hanna. 2,243,561; May 27.
Transmission, Variable speed. W. P. Schmitter and A. G. Bade. 2,243,224; May 27.
Trap: *See*—
Box trap.
Tread surfacing machine, Tire. C. X. Haskins. 2,243,461; May 27.
Trimmer, Hedge. G. W. Miller. 2,243,641; May 27.
Truck, Lateral motion. W. H. Mussey. 2,243,534; May 27.
Truck, Railway. D. S. Barrows. 2,243,493; May 27.
Truck, Six wheel. J. C. Maris. 2,243,640; May 27.
Tube covering. H. E. Kleffel. 2,243,427; May 27.
Tubular members, Apparatus and method for treating. J. Vogel. 2,243,614; May 27.
Turbines, Process and equipment for gas. G. Jendrassik. 2,243,467; May 27.
Umbrella. L. A. Capaldo. 2,243,190; May 27.
Unit filter. G. M. Walton and C. J. Glanzer. 2,243,323; May 27.
Utility rack. A. T. Bell. 2,243,370; May 27.
Valve: *See*—
Filling valve. Flush tank valve.
Flow valve.
Valve body and making the same, Wrought welded. L. G. Plant. 2,243,119; May 27.
Valve converting apparatus, Electric. W. F. Westendorp. 2,243,591; May 27.
Valve converting system, Electric. E. E. Moyer. 2,243,572; May 27.
Valve converting system, Electric. E. E. Moyer, L. W. Morton, and A. Schmidt, Jr. 2,243,571; May 27.
Valve mechanism, Electric control. J. A. Gregory. 2,243,801; May 27.
Valve structure. F. H. Rutherford. 2,243,128; May 27.
Valve system, Flow diversion. G. Karst. 2,243,344; May 27.
Vane for rotary motors. A. H. Schaefer. 2,243,684; May 27.
Vaporizer, Electrical. J. B. Clyne. 2,243,669; May 27.
Vaporizing and diffusing device, Liquid. S. J. Dunaway. 2,243,752; May 27.
Vapors and condensates, Method and apparatus for testing. A. R. Mumford. 2,243,436; May 27.
Vehicle: *See*—
Motor driven vehicle. Road vehicle.
Motor vehicle.
Vehicle body. K. Rabe. 2,243,721; May 27.
Vehicle body construction. E. J. W. Ragsdale and A. G. Dean. 2,243,808; May 27.
Vehicle brake. F. J. Tarris. 2,243,229; May 27.
Vehicle jack. A. Oberhoffken. 2,243,739; May 27.
Vehicle lifting and rocking device, Combined. E. Aron. 2,243,183; May 27.
Vending machine. C. E. Elliott. 2,243,335; May 27.
Vibrating screen. G. A., G., and C. Overstrom. 2,243,679; May 27.
Vibration controlling and damping device. C. S. Thompson. 2,243,660; May 27.
Visual tuning indicator. E. I. Anderson and C. N. Kimball. 2,243,408; May 27.
Vitamin D, Synthesis of. M. L. Johnson. 2,243,632; May 27.
Voltage regulation. Y. Toda. 2,243,584; May 27.
Volume control. L. Brück. 2,243,412; May 27.
Volume control circuit, Automatic. R. L. Hollingsworth. 2,243,423; May 27.
Vulcanizer, Tire. C. E. Maynard. 2,243,532; May 27.
Vulcanising element, Unitary. B. V. Mitchell. 2,243,506; May 27.
Walkway. J. R. Tench. 2,243,723; May 27.
Wall construction, Brick. C. S. Brown. 2,243,069; May 27.
Wall construction, Refractory. J. H. Henzel and E. T. Heinrich. 2,243,339; May 27.
Wall tie for concrete forms. C. A. Kinninger. 2,243,346; May 27.
Wallet and purse, Combination. A. Felder. 2,243,556; May 27.
Washing machine. A. L. Kimball and G. W. Dunham. 2,243,565; May 27.
Washing machine. G. A. Windell. 2,243,325; May 27.
Water heater. H. C. Price. 2,243,651; May 27.
Water heater unit, Automatic. H. A. Craig. 2,243,249; May 27.
Water softening apparatus. D. G. Griswold. 2,243,815; May 27.
Wave indication. J. H. Von Duhn. 2,243,234; May 27.
Wave transmitter, Modulated carrier. W. A. E. Quilter. 2,243,221; May 27.
Waxer. E. G. Stack. 2,243,400; May 27.
Welding apparatus, Electric. F. H. Rehse. 2,243,488; May 27.
Wheel: *See*—
Construction wheel.
Wheel construction. G. T. Kinney. 2,243,380; May 27.
Wheel construction, Independently rotatable dual. E. L. Miller. 2,243,569; May 27.
Wheels for trucks, etc., Tiltable, and independently rotatable dual. J. D. Altemus. 2,243,181; May 27.
Winch. J. M. Benson. 2,243,789; May 27.
Window. D. R. Leahy. 2,243,735; May 27.
Window screen, Compact. J. R. Blood. 2,243,790; May 27.
Wool, Spinning mineral. C. F. Ramseyer. 2,243,122; May 27.
Wrapper, Shirt. S. Lighter. 2,243,350; May 27.
Wrapping machine, Soap. R. A. Jones. 2,243,633; May 27.
Wrench: *See*—
Pipe wrench.
Wrench for tank car safety valves, Combination screw and ratchet. G. J. Langmyhr. 2,243,431; May 27.
Yarns, Producing textile. H. R. Buckley. 2,243,085; May 27.
Yeast. A. S. Schultz. 2,243,129; May 27.
Zinc and anode therefor, Electrodeposition of. E. W. Ferm. 2,243,696; May 27.
Zinc alloy. R. Schulze. 2,243,827; May 27.

CLASSIFICATION OF PATENTS

ISSUED MAY 27, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

2— 50: 2,243,505
78: 2,243,531
175: 2,243,357
224: 2,243,643
4— 57: 2,243,203
112: 2,243,791
164: 2,243,550
185: 2,243,794
199: 2,243,204
227: 2,243,454
247: 2,243,134
254: 2,243,264
5— 18: 2,243,680
93: 2,243,691
260: 2,243,210
7— 14.1: 2,243,657
14.2: 2,243,511
14.3: 2,243,127
8— 48: 2,243,213
116: 2,243,682
131: 2,243,705
9— 2: 2,243,247
6: 2,243,372
9: 2,243,551
12— 42: 2,243,163
54: 2,243,077
55: 2,243,115
103: 2,243,073
142: 2,243,142
13— 17: 2,243,096
15— 77: 2,243,152
131: 2,243,607
147: 2,243,518
157: 2,243,611
158: 2,243,120
160: 2,243,576
17— 25: 2,243,623
26: 2,243,492
18— 8: 2,243,116
17: 2,243,532
18: 2,243,506
47.5: 2,243,369
19— 100: 2,243,685
20— 71: 2,243,271
92: 2,243,161
22— 40: 2,243,092
57.2: 2,243,425
68: 2,243,293
97: 2,243,445
131: 2,243,407
188: 2,243,094
203: 2,243,062
23— 207: 2,243,810
24— 73: 2,243,322
207: 2,243,545
2,243,546
25— 30: 2,243,218
127: 2,243,314
28— 36: 2,243,795
29— 21: 2,243,261
70: 2,243,303
76: 2,243,461
2,243,707
79: 2,243,757
90: 2,243,158
96: 2,243,239
148.2: 2,243,288
2,243,289
2,243,522
156.4: 2,243,464
157: 2,243,184
2,243,809
157.1: 2,243,119
157.4: 2,243,402
30— 43: 2,243,196
2,243,441
66: 2,243,348
216: 2,243,641
32— 8: 2,243,377
33— 50: 2,243,793
79: 2,243,731
2,243,732
104: 2,243,579
188: 2,243,468
191: 2,243,201
197: 2,243,779
34— 12: 2,243,396
35— 24: 2,243,209
36— 2: 2,243,444
50: 2,243,737
37— 144: 2,243,306
159: 2,243,564
38— 3: 2,243,232
40— 7: 2,243,629
130: 2,243,816
41— 10: 2,243,764
18: 2,243,787
34: 2,243,742
41.5: 2,243,078
43— 46: 2,243,663
56: 2,243,498
61: 2,243,367
44— 8: 2,243,198
9: 2,243,168
2,243,760
45— 28: 2,243,634
71: 2,243,279
95: 2,243,792
46— 94: 2,243,568
47— 61: Pl.Pt.467
Pl.Pt.468
Pl.Pt.469
48— 186: 2,243,704
49— 1: 2,243,122
3: 2,243,149
5: 2,243,267
2,243,756
17: 2,243,194
52: 2,243,778
51— 9: 2,243,394
95: 2,243,336
101: 2,243,410
103: 2,243,371
165: 2,243,405
298: 2,243,105
53— 7: 2,243,661
2,243,709
2,243,710
55— 107: 2,243,248
56— 25.4: 2,243,133
157: 2,243,650
471: 2,243,167
57— 157: 2,243,085
58— 26: 2,243,734
125: 2,243,343
2,243,759
60— 41: 2,243,467
52: 2,243,139
2,243,364
2,243,716
54.5: 2,243,385
97: 2,243,156
2,243,655
61— 73: 2,243,292
62— 1: 2,243,766
4: 2,243,615
24: 2,243,114
89: 2,243,447
119.5: Re.21,812
126: 2,243,307
140: 2,243,570
65— 31: 2,243,636
45: 2,243,393
66— 89: 2,243,612
107: 2,243,392
154: 2,243,777
187: 2,243,613
67— 7: 2,243,539
67— 7: 2,243,762
2,243,763
68— 58: 2,243,325
70— 264: 2,243,708
72— 29: 2,243,069
38: 2,243,316
101: 2,243,339
73— 51: 2,243,413
2,243,674
53: 2,243,457
2,243,458
109: 2,243,398
206: 2,243,475
230: 2,243,252
367: 2,243,733
376: 2,243,326
74— 10: 2,243,487
50: 2,243,206
56: 2,243,820
2,243,821
2,243,822
160: 2,243,738
281: 2,243,224
290: 2,243,111
339: 2,243,482
428: 2,243,100
589: 2,243,117
75— 5: 2,243,785
12: 2,243,514
27: 2,243,783
2,243,784
2,243,786
35: 2,243,110
165: 2,243,177
175: 2,243,278
178: 2,243,489
2,243,827
76— 101: 2,243,608
77— 3: 2,243,147
5: 2,243,379
79— 9: 2,243,415
80— 60: 2,243,744
81— 61: 2,243,431
97: 2,243,272
82— 31: 2,243,588
36: 2,243,277
83— 7: 2,243,476
84— 363: 2,243,542
88— 16.2: 2,243,112
23: 2,243,383
24: 2,243,084
2,243,391
28: 2,243,160
41: 2,243,681
2,243,769
43: 2,243,770
53: 2,243,767
2,243,768
82: 2,243,434
89— 27: 2,243,520
37: 2,243,365
90— 24: 2,243,197
91— 30: 2,243,333
45: 2,243,587
50: 2,243,604
70: 2,243,630
70.1: 2,243,237
92— 43: 2,243,773
93— 2: 2,243,633
6: 2,243,805
51: 2,243,352
53: 2,243,199
94— 18: 2,243,509
50: 2,243,251
95— 2: 2,243,689
31: 2,243,460
97— 52: 2,243,241
98— 115: 2,243,491
99— 31: 2,243,513
99— 50.5: 2,243,143
96: 2,243,129
141: 2,243,381
180: 2,243,375
100— 70: 2,243,205
101—132.5: 2,243,283
173: 2,243,619
211: 2,243,486
226: 2,243,175
415.1: 2,243,195
426: 2,243,706
102— 39: 2,243,621
103— 37: 2,243,374
41: 2,243,648
111: 2,243,585
129: 2,243,653
233: 2,243,308
235: 2,243,507
104— 150: 2,243,671
105— 179: 2,243,493
196: 2,243,640
197.1: 2,243,411
399: 2,243,808
404: 2,243,113
457: 2,243,723
106— 57: 2,243,219
90: 2,243,501
119: 2,243,494
147: 2,243,644
155: 2,243,700
269: 2,243,409
107— 9: 2,243,338
19: 2,243,363
57: 2,243,390
66: 2,243,137
108— 17: 2,243,256
111— 96: 2,243,510
112— 38: 2,243,606
46: 2,243,257
145: 2,243,211
113— 32: 2,243,342
99: 2,243,389
114— 178: 2,243,735
115— 16: 2,243,800
34: 2,243,095
116— 120: 2,243,693
125: 2,243,074
119— 33: 2,243,159
61: 2,243,154
120— 17: 2,243,109
18: 2,243,688
96: 2,243,490
121— 40: 2,243,626
2,243,656
41: 2,243,603
2,243,781
164: 2,243,183
122— 235: 2,243,430
494: 2,243,249
123— 58: 2,243,817
117: 2,243,645
119: 2,243,627
127: 2,243,594
173: 2,243,818
196: 2,243,819
126— 101: 2,243,455
110: 2,243,609
121: 2,243,751
128— 6: 2,243,285
65: 2,243,297
83: 2,243,718
84: 2,243,294
92: 2,243,717
148: 2,243,360
165: 2,243,422
167: 2,243,500
214: 2,243,327
240: 2,243,299
276: 2,243,695
128— 283: 2,243,529
129— 24: 2,243,535
131— 21: 2,243,699
52: 2,243,745
84: 2,243,703
196: 2,243,091
241: 2,243,433
132— 32: 2,243,635
33: 2,243,397
41: 2,243,173
75.6: 2,243,328
135— 1: 2,243,638
46: 2,243,190
136— 133: 2,243,676
137— 53: 2,243,711
68: 2,243,188
2,243,536
69: 2,243,262
138— 64: 2,243,427
86: 2,243,273
139— 296: 2,243,148
141— 1: 2,243,446
144— 208: 2,243,631
146— 19: 2,243,246
2,243,530
130: 2,243,508
189: 2,243,666
148— 6: 2,243,578
21: 2,243,174
26: 2,243,424
150— 8: 2,243,796
35: 2,243,556
151— 21: 2,243,515
153— 2: 2,243,351
72: 2,243,138
154— 2: 2,243,736
155— 139: 2,243,502
142: 2,243,811
194: 2,243,253
156— 13: 2,243,222
22: 2,243,153
26: 2,243,790
28: 2,243,771
158— 28: 2,243,071
2,243,602
163— 1: 2,243,813
164— 0.5: 2,243,099
17: 2,243,614
42: 2,243,589
50: 2,243,776
78: 2,243,668
167— 22: 2,243,544
24: 2,243,207
28: 2,243,254
30: 2,243,477
2,243,479
2,243,543
170— 159: 2,243,189
171— 95: 2,243,162
2,243,408
119: 2,243,584
209: 2,243,416
2,243,418
252: 2,243,318
264: 2,243,098
2,243,130
2,243,226
172— 179: 2,243,590
233: 2,243,070
239: 2,243,337
246: 2,243,575
275: 2,243,063
284: 2,243,555
173— 332: 2,243,567
338: 2,243,775
174— 121: 2,243,560
175— 21: 2,243,553
30: 2,243,592
182: 2,243,428
175— 183: 2,243,234
2,243,259
2,243,436
2,243,547
2,243,755
294: Re.21,813
2,243,225
315: 2,243,814
320: 2,243,166
2,243,399
363: 2,243,558
2,243,571
2,243,572
366: 2,243,573
367: 2,243,616
176— 27: 2,243,186
126: 2,243,496
177— 314: 2,243,804
329: 2,243,448
2,243,472
333: 2,243,646
337: 2,243,088
2,243,157
2,243,241
178— 6.8: 2,243,132
7.2: 2,243,079
7.5: 2,243,599
44: 2,243,440
71: 2,243,215
179— 1: 2,243,089
2,243,525
2,243,526
2,243,527
157: 2,243,554
171: 2,243,121
2,243,401
2,243,412
2,243,442
2,243,533
171.5: 2,243,193
2,243,216
2,243,504
180— 14.5: 2,243,552
22: 2,243,181
33: 2,243,124
181— 0.5: 2,243,729
2,243,730
43: 2,243,499
59: 2,243,082
183— 2.5: 2,243,176
15: 2,243,083
36: 2,243,637
51: 2,243,353
69: 2,243,323
120: 2,243,478
184— 6: 2,243,654
185— 45: 2,243,790
187— 29: 2,243,349
188— 18: 2,243,569
58: 2,243,459
71: 2,243,103
79.5: 2,243,469
88: 2,243,280
97: 2,243,580
152: 2,243,229
207: 2,243,534
218: 2,243,334
189— 34: 2,243,373
192— .02: 2,243,798
3: 2,243,354
3.5: 2,243,321
4: 2,243,548
60: 2,243,652
142: 2,243,622
196— 9: 2,243,315
10: 2,243,298
30: 2,243,824
49: 2,243,291

196—	133: 2,243,240	219—	21: 2,243,400	237—	12.3: 2,243,562	250—	33: 2,243,677	260—	240: 2,243,081	286—	11: 2,243,255
198—	31: 2,243,313		2,243,549		55: 2,243,563		36: 2,243,202		310: 2,243,324	287—	53: 2,243,266
	189: 2,243,145		26: 2,243,086	238—	311: 2,243,239		2,243,524		456: 2,243,331		54: 2,243,687
	2,243,274		32: 2,243,639	240—	1.4: 2,243,788		2,243,540		2,243,332		85: 2,243,286
	203: 2,243,538		39: 2,243,220		3: 2,243,483		2,243,574		467: 2,243,471		93: 2,243,157
200—	6: 2,243,566		40: 2,243,651		78: 2,243,712		39: 2,243,702		473: 2,243,694	290—	4: 2,243,561
	21: 2,243,269		45: 2,243,669		103: 2,243,672		41.5: 2,243,456		513: 2,243,437	291—	2: 2,243,450
	27: 2,243,438	220—	27: 2,243,260		147: 2,243,270		2,243,591		570.8: 2,243,295		11: 2,243,243
	52: 2,243,497		31: 2,243,065	242—	18: 2,243,678		2,243,600		593: 2,243,484		15: 2,243,242
	2,243,596		46: 2,243,754		25: 2,243,480		49.5: 2,243,362		594: 2,243,701		2,243,244
	59: 2,243,595		68: 2,243,625		35.5: 2,243,101		80: 2,243,828		612: 2,243,802	292—	11: 2,243,772
	80: 2,243,577		76: 2,243,626		55: 2,243,667		81: 2,243,097		680: 2,243,191		124: 2,243,155
	113: 2,243,563	221—	73.5: 2,243,581		55.5: 2,243,239		158: 2,243,102		793: 2,243,171		153: 2,243,179
	131: 2,243,287		78: 2,243,774		2,243,686		161: 2,243,403	261—	47: 2,243,072		214: 2,243,282
	134: 2,243,741		84: 2,243,673		70: 2,243,670		166: 2,243,178		64: 2,243,144		322: 2,243,376
	135: 2,243,107		98: 2,243,125		77: 2,243,453	251—	165: 2,243,128		93: 2,243,301		340: 2,243,758
	2,243,135		2,243,452		118: 2,243,300	252—	34: 2,243,485		2,243,302		2,243,803
201—	48: 2,243,807		108: 2,243,335		157: 2,243,624		55: 2,243,420		2,243,309	293—	55: 2,243,462
	64: 2,243,823		118: 2,243,665	244—	123: 2,243,432		68: 2,243,104	263—	19: 2,243,192	294—	1: 2,243,236
202—	170: 2,243,093		130: 2,243,233	246—	34: 2,243,722		186: 2,243,663	265—	1.4: 2,243,746		19: 2,243,528
204—	6: 2,243,521	223—	71: 2,243,230		2,243,740		249: 2,243,404		2,243,747		20: 2,243,106
	30: 2,243,429	224—	45: 2,243,387		38: 2,243,725		311.5: 2,243,519		2,243,748		34: 2,243,305
	55: 2,243,606	225—	26: 2,243,675		130: 2,243,726		331: 2,243,330		2,243,749		93: 2,243,419
	121: 2,243,165	226—	98: 2,243,463		319: 2,243,727		341: 2,243,329		2,243,750	296—	23: 2,243,659
	159: 2,243,632		129: 2,243,451	248—	7: 2,243,713	254—	104: 2,243,346		12: 2,243,235		28: 2,243,721
	213: 2,243,728	229—	5.5: 2,243,378		11: 2,243,212		111: 2,243,739		61: 2,243,690		44: 2,243,743
	248: 2,243,761		16: 2,243,421		21: 2,243,660		150: 2,243,642	266—	5: 2,243,076	297—	3: 2,243,355
205—	4: 2,243,382		23: 2,243,231		42: 2,243,388		167: 2,243,361		19: 2,243,406	298—	27: 2,243,395
206—	1: 2,243,260		29: 2,243,223		211: 2,243,799		168: 2,243,358	267—	1: 2,243,217	299—	20: 2,243,752
	83: 2,243,583		32: 2,243,825		224: 2,243,586		170: 2,243,664		64: 2,243,782		24: 2,243,151
209—	88: 2,243,649		33: 2,243,080		265: 2,243,724		186: 2,243,789	268—	66: 2,243,310		29: 2,243,610
	103: 2,243,516		87: 2,243,350	250—	11: 2,243,426	255—	19: 2,243,340	271—	27: 2,243,170		46: 2,243,597
	416: 2,243,679	230—	147: 2,243,465		2,243,512		2,243,439		52: 2,243,557		83: 2,243,275
	480: 2,243,797		157: 2,243,684		2,243,823		63: 2,243,319	273—	29: 2,243,620		89: 2,243,435
210—	2: 2,243,826		181: 2,243,466		17: 2,243,221	257—	3: 2,243,281		35: 2,243,720		101: 2,243,268
	24: 2,243,815		198: 2,243,541		2,243,719		132: 2,243,601	274—	10: 2,243,698	300—	4: 2,243,495
	39: 2,243,258		231: 2,243,123		20: 2,243,118		247: 2,243,593		14: 2,243,126	301—	41: 2,243,380
	58: 2,243,582	233—	45: 2,243,697		2,243,140	259—	3: 2,243,384		41: 2,243,090	303—	3: 2,243,008
	67: 2,243,366	235—	60: 2,243,150		2,243,141		8: Re.21,811	277—	42: 2,243,344		14: 2,243,245
	71: 2,243,565		2,243,228		2,243,180		9: 2,243,317	280—	22: 2,243,345		20: 2,243,801
	184: 2,243,559		2,243,506		2,243,182		132: 2,243,443		33.14: 2,243,347		21: 2,243,449
	201: 2,243,311		61.7: 2,243,473		2,243,214	260—	2: 2,243,481		53: 2,243,312	306—	11: 2,243,067
	204: 2,243,296		2,243,474		2,243,417		15: 2,243,185	283—	9: 2,243,284		13: 2,243,066
211—	51: 2,243,320		63: 2,243,075		2,243,423		18: 2,243,662	285—	47: 2,243,356		2,243,812
	176: 2,243,517	236—	9: 2,243,753		27: 2,243,414		42: 2,243,386		49: 2,243,164	308—	169: 2,243,146
	182: 2,243,370		14: 2,243,715		27.5: 2,243,108		94: 2,243,470		131: 2,243,598		230: 2,243,131
219—	4: 2,243,276		34: 2,243,714		2,243,250		2,243,658		143: 2,243,605		232: Re.21,810
	2,243,488		44: 2,243,647		2,243,537		132: 2,243,172		197: 2,243,265	309—	9: 2,243,263
	8: 2,243,189		68: 2,243,200		33: 2,243,136		185: 2,243,617	286—	7: 2,243,227		45: 2,243,064
	2,243,368		2,243,304		2,243,618		212: 2,243,765		11: 2,243,208	312—	21: 2,243,087

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,243,076: 266—	5	2,243,178: 250—	166	2,243,319: 255—	63	2,243,409: 106—	269	2,243,519: 252—311.5		2,243,648: 103—	41
2,243,082: 181—	59	2,243,191: 260—	680	2,243,320: 211—	51	2,243,427: 138—	64	2,243,551: 9—	9	2,243,657: 7—	14.1
2,243,087: 312—	21	2,243,219: 106—	57	2,243,331: 260—	456	2,243,439: 255—	19	2,243,570: 62—	140	2,243,684: 230—	157
2,243,090: 274—	41	2,243,232: 38—	3	2,243,332: 260—	456	2,243,441: 30—	43	2,243,599: 178—	7.5	2,243,700: 106—	155
2,243,095: 115—	34	2,243,238: 238—	311	2,243,340: 255—	19	2,243,465: 230—	147	2,243,600: 250—	41.5	2,243,701: 260—	594
2,243,104: 252—	68	2,243,240: 196—	133	2,243,348: 30—	66	2,243,485: 252—	34	2,243,607: 15—	131	2,243,735: 114—	178
2,243,112: 88—	16.2	2,243,241: 97—	52	2,243,356: 285—	47	2,243,494: 106—	119	2,243,614: 164—	17	2,243,757: 29—	79
2,243,157: 287—	93	2,243,249: 122—	494	2,243,369: 18—	47.5	2,243,501: 106—	90	2,243,625: 220—	68	2,243,775: 173—	338
2,243,160: 88—	28	2,243,290: 220—	27	2,243,381: 99—	141	2,243,511: 17—	14.2	2,243,641: 30—	216		
2,243,175: 101—	226	2,243,295: 260—570.8		2,243,404: 252—	249	2,243,513: 99—	131	2,243,644: 106—	147		

U. S. GOVERNMENT PRINTING OFFICE: 1941

Patents Nos. 2,240,477 to 2,241,373

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CONTENTS

	Page
Issue of May 6, 1941	1
Adjudicated Patents	1
Adverse Decisions in Interference	1
Disclaimers	1
Notice Regarding Payment of Fees	1
Applications Under Examination	2
Decisions of the U. S. Courts—	
McCormick v. Malherbe	3
In re Mink	5
Universal Paper Products Co. v. Bemis Bros. Bag Co.	7
Patent Suits	8
Changes in Classification	9
Trade-Marks Published (181 Applications)	11
Trade-Mark Registeations Granted	30
Reissues	77
Patents Granted	39
Designs	258

May 6, 1941

Trade Marks	152—No.	387,122 to No.	387,273, inclusive.
Reissues	7—No.	21,789 to No.	21,795, inclusive.
Patents	897—No.	2,240,477 to No.	2,241,373, inclusive.
Designs	143—No.	126,962 to No.	127,104, inclusive.
Total	1,199		

Adjudicated Patents

(D. C. Pa.) Cheney patent, No. 1,715,000, for interlocking metal flashing, claim 1 *Held* not infringed, and claim 2 *Held* invalid, and even if valid, *Held* not infringed. *Cheney Co.* v. *Cunningham,* 37 F. Supp. 224.

(D. C. Pa.) Cheney patent, No. 1,728,955, for interlocking metal flashing, claims 1 and 2 *Held* invalid. *Id.*

(D. C. Pa.) Cheney patent, No. 1,871,585, for metal flashing, claims 3, 4, and 7 *Held* invalid. *Id.*

(D. C. Pa.) Cheney patent, No. 1,939,619, for metal flashing, claim 8 *Held* invalid. *Id.*

(D. C. Calif.) Wood patent, No. 1,997,959, for road material mixing machine, claims 4, 5, 17, 20, 21, and 22 *Held* valid and infringed. *Madsen Iron Works* v. *Wood,* 37 F. Supp. 166.

(D. C. Conn.) Campbell patent, No. 2,033,681, for rolled front fused collar, *Held* invalid, and if valid, *Held* not infringed. *Campbell Co.* v. *Commercial Shirt Corporation,* 37 F. Supp. 183.

(C. C. A. Conn.) Campbell patent, No. 2,033,681, for rolled front fused collar, *Held* not infringed. *Campbell Co.* v. *Commercial Shirt Co.,* 118 F.(2d) 7.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,116,188, Durand Churchill, Jr., Process of extracting hydrocarbon material, decided March 26, 1941, claims 1 and 2.

Pat. 2,177,914, Martin Steintha, Sample holder, decided February 28, 1941, claims 1 and 4.

Pat. 2,186,826, R. F. Edgar, Eccentricity indicator, decided April 14, 1941, claims 2, 3, and 4.

Pat. 2,190,362, H. N. Keener, Well casing, decided April 14, 1941, claims 1, 2, 3, 4, and 5.

Pat. 2,195,736, J. C. Myers, Life-saving suit, decided February 26, 1941, claims 1, 2, 3, and 4.

Pat. 2,206,698, J. A. Hendley, Ladder tape, decided April 14, 1941, claims 1 and 2.

Pat. 2,217,488, Kurt Mahnke, Thermal overload relay, decided April 12, 1941, claims 1 and 2.

Disclaimers

1,909,765.—*John Elliott Jenkins* and *Samuel E. Adair,* Chicago, Ill. SOUND CONTROL METHOD AND MEANS FOR PRACTICING SAME. Patent dated May 16, 1933. Disclaimer filed April 10, 1941, by the assignee, *Bendix Radio Corporation.*

Hereby enters this disclaimer to claim 9 of said patent.

2,189,156.—*Donald E. Willard,* Danville, Ill. JOINT. Patent dated February 6, 1940. Disclaimer filed March 29, 1941, by the patentee.

Hereby enters this disclaimer to claims 1, 2, 11, 12, 15, 18, 22, and 24.

2,235,821.—*Maurice K. Anderson,* Seattle, Wash. SOLE CONFORMER FOR SHOES. Patent dated March 25, 1941. Disclaimer filed April 14, 1941, by the patentee.

Hereby disclaims from the scope of claim 14 all sole conformers defined thereby except those which are substantially incompressible by including individual members projecting from a surface of the plate which are unyielding.

Notice Regarding Payment of Fees

All fees must be paid in advance. Payment of money required for Office fees *must* be made in specie, Treasury notes, national-bank notes, post-office money orders, or certified checks. Money orders and checks must be made payable to the "Commissioner of Patents." Money sent by mail to the Patent Office will be at the risk of the sender. (See Rule 194.)

Certified checks, bank drafts, express and foreign money orders must be immediately negotiable in this country and for the full amount of the fee required by the Patent Office. No allowance can be made by this Office for any charge for their collection or exchange. Postage stamps will not be accepted. Failure to comply with the above instructions will cause delay.

Condition of Applications Under Examination at Close of Business April 19, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 41,531; Trade-Mark Division, 1,172. Oldest new case, July 20, 1940; oldest amended, July 20, 1940.)
(The dates given are 1940 except where † indicates 1941)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Nov. 29	Nov. 28	473
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Nov. 9	Sept. 30	542
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Feb. 20	†Feb. 19	408
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	†Jan. 2	Dec. 13	503
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Nov. 20	Dec. 2	451
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Oct. 5	Sept. 10	1,060
5725	7. JARBOE, C. G., Optics; Photography	Oct. 10	Oct. 4	947
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Oct. 2	Oct. 2	873
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Nov. 23	Nov. 6	580
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Nov. 23	Nov. 28	322
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	†Jan. 3	†Jan. 7	415
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements Mechanical Starters; Stop Mechanisms	Nov. 1	Nov. 1	531
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planting; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Oct. 9	Oct. 7	525
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Dec. 20	Dec. 17	545
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Oct. 11	Oct. 11	1,052
5716	16. SPENCER, C. J., Telegraphy; Telephony	Dec. 28	Dec. 18	537
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 10	Dec. 7	554
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 23	Nov. 27	424
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Dec. 21	Dec. 12	610
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Oct. 14	Nov. 12	374
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	†Jan. 23	†Jan. 25	311
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	July 20	July 20	1,415
7624	23. BUTTNER, W. J., Registers (part)	Aug. 7	Aug. 26	246
5063	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 3	Sept. 13	932
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Oct. 24	Nov. 18	522
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Nov. 25	Nov. 30	422
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Nov. 2	Nov. 1	621
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Nov. 6	Sept. 18	279
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Nov. 2	Nov. 30	677
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Dec. 28	Dec. 27	536
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Nov. 5	Nov. 5	1,395
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Dec. 5	Dec. 28	866
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Dec. 14	Dec. 14	856
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Oct. 4	Oct. 4	396
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Oct. 25	Nov. 1	843
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Oct. 17	Oct. 16	574
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Oct. 7	Oct. 11	546
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Aug. 1	Aug. 29	847
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Dec. 20	Dec. 26	534
7890	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Sept. 26	Sept. 26	1,647
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Nov. 20	Nov. 19	467
5882	42. CUTTING, H. O., Electric Signaling	Dec. 5	Dec. 10	369
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Sept. 27	Sept. 27	513
4087 B	44. HARVEY, L. P., Refrigeration	Oct. 3	Sept. 30	603
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	†Jan. 25	†Feb. 11	347
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Nov. 27	Nov. 28	552
6082	47. KANOF, W. J., Clutches; Brakes	Dec. 23	Dec. 14	382
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Nov. 23	Nov. 27	547
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Oct. 25	Oct. 25	796
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Oct. 23	Oct. 23	1,220
5628	51. BACKUS, C. D., Radiant Energy (part)	†Feb. 10	†Feb. 10	421
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Dec. 24	†Jan. 4	585
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Oct. 4	Sept. 23	838
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 25	Nov. 22	349
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Dec. 11	Dec. 3	323
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Sept. 19	Sept. 18	1,188
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Sept. 7	Dec. 23	173
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Nov. 26	Nov. 12	516
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Oct. 23	Oct. 28	1,011
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Oct. 17	Sept. 24	321
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Dec. 3	Oct. 28	338
5621	62. PUGH, E. C., Games; Geometrical Instruments	†Jan. 27	†Jan. 21	402
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Sept. 23	Sept. 19	1,048
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	†Jan. 3	†Jan. 3	717
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Jan. 28	†Jan. 31	261
2099 B	Trade-Marks: F. A. RICHMOND	†Mar. 11	†Mar. 15	1,172
2605	Designs: H. H. KALUPY	†Feb. 26	†Mar. 18	1,053

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

McCormick v. Malherbe

No. 4,393. Decided January 6, 1941

[116 F.(2d) 520]

1. Interference—Priority—Right to Make Counts.

"For a disclosure to support interference counts, there must be more than a possibility that a certain process will be followed if the teachings are followed. There must be some positive, definite disclosure of the steps of the process, or such a disclosure of steps that if the teachings are followed by one skilled in the art the process must inevitably result."

2. Same—Same—Late Motion for Leave to Take Testimony.

Where McC was the appellee before the Board of Appeals and before the Board and the Examiner of Interferences relied upon an earlier filed application for evidence of priority and did not move for an opportunity to take testimony to show a still earlier actual reduction to practice until the Board had held that his earlier filed application did not support certain of the counts, *Held* that the Board properly overruled the motion of McC to remand the interference to afford him such opportunity.

3. Same—Same.

Record reviewed and *Held* that the earlier filed application of the senior party McC does not support certain counts of the interference between him and the junior party M and that as to these counts priority was properly awarded to the junior party M.

Appeal from Patent Office. Affirmed.

Mr. Charles L. Stokes (*Mr. Henry H. Snelling* of counsel) for McCormick.

Messrs. Busser and Harding (*Mr. Frank S. Busser* and *Mr. Hayward H. Coburn* of counsel) for Malherbe.

Bland, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office in which it, in part, reversed the decision of the Examiner of Interferences and awarded priority of invention defined by counts 2, 5, and 6 to the party Malherbe.

On May 3, 1938, Patent No. 2,116,208 issued to Malherbe on an application filed May 28, 1936, and on July 6, 1938, McCormick filed his application, Serial No. 217,657, in which he copied six claims of the Malherbe patent. McCormick based his right to contest priority upon a previously filed application, No. 50,206, of November 16, 1935. Preliminary statements were filed and Malherbe's claimed date of conception being after McCormick's filing date, Malherbe was placed under order to show cause why judgment on the record should not be entered against him. No one sought to take testimony at any time when the matter was before the Examiner of Interferences. Appellant in this court raises the issue that the Board erred in declining to remand the case for the purpose of taking testimony.

In attempting to show why judgment should not be entered against him, Malherbe brought a motion to dissolve. The ground of said motion with which we are here concerned is that McCormick's original application No. 50,206 did not disclose the invention defined by the counts.

The Primary Examiner denied the motion, the Examiner of Interferences entered the formal award in favor of McCormick, and Malherbe appealed to the Board of Appeals. The Board affirmed the decision of the Examiner of Interferences in awarding priority of invention as to counts 1, 3, and 4 to McCormick and from this action no appeal was taken by Malherbe. It reversed the action of the Examiner of Interferences in awarding priority to McCormick of the invention defined by counts 2, 5, and 6 and awarded priority in the same to the party Malherbe, and it is from the last stated action on the part of the Board that McCormick has here appealed.

Counts 2, 5, and 6 follow:

2. The hereinbefore described process of purifying a cracked petroleum hydrocarbon oil which comprises subjecting a flowing stream of oil to a multiple-stage refining treatment, one stage comprising mixing with the oil a straight run sulfuric acid sludge to form a mixture of partially purified oil and cracked acid sludge and separating the oil from the cracked acid sludge, and a later stage comprising mixing and reacting with the partly purified oil fresh sulfuric acid and separating the resultant mixture of purified oil and acid sludge.

5. The herein described process of purifying a cracked hydrocarbon oil which comprises subjecting a straight run hydrocarbon oil fraction to treatment with sulfuric acid and separating therefrom the resultant acid sludge, intimately mixing and reacting the cracked hydrocarbon oil with said sludge, separating the acid sludge product of the last named treatment from the cracked oil, and subsequently mixing and reacting with the partly purified cracked oil fresh sulfuric acid and separating the acid sludge of the last named treatment from the oil.

6. The hereinbefore described process of purifying a cracked petroleum hydrocarbon oil which comprises preliminarily removing certain impurities including particularly sulfur compounds by mixing and reacting with the cracked oil a straight run sulfuric acid sludge which is deficient in sulfur compounds to thereby take up a large proportion of the sulfur compounds in the cracked oil, separating the acid sludge product from the oil, and subsequently mixing with the partly purified oil sulfuric acid in amount and strength sufficient to take up substantially the remainder of the sulfur compounds and separating the acid sludge from the oil; thereby economically utilizing the straight run acid sludge, economizing in the use of acid, and reducing the tendency to impairment of anti-knock value.

It will be noticed that the invention of the counts, which, as before stated, were taken from the patent to Malherbe, involves the essential steps of a multi-stage refining treatment. One stage consists of treating cracked oil with a "straight run sulfuric acid sludge to form a mixture of partially purified oil and cracked acid sludge" and then separating the oil from the cracked acid sludge. The other stage comprises mixing fresh sulphuric acid with this partly purified oil and then separating the resultant mixture of acid sludge and purified oil.

Hydrocarbon oil products, such as gasoline produced by cracking, contain sulphur and various other undesirable ingredients, the removal of which improves the product in color, odor, and octane rating. In removing such impurities, it is desirable not to destroy certain other elements which contribute to the anti-knock value of the product.

The following is quoted from the Primary Examiner's decision on the motion to dissolve:

McCormick has disclosed the feature of refining a cracked distillate first with an acid sludge and then with fresh acid. On page 11, lines 16 to 21, McCormick recites in part the following:

"However, the use of other suitable sludges as, for instance, the acid sludge obtained from the sulphuric acid treatment of straight run gasoline or kerosene, or from other sources, is contemplated—."

McCormick discloses that acid sludges are considered to have a certain acid value and may be applied to an oil either for the purpose of using up the remaining acid value in the removal of the gum forming unsaturates together with acid soluble sulphur compounds or for the treatment of a relatively light fraction so that the acid sludge is said to act as a dilute acid due to the presence of abstracted organic matter from the previous treatment.

McCormick's disclosure supports counts 1, 3, and 6, as indicated above. Count 2 calls for the multistage refining treatment which also finds basis in the McCormick's disclosure (see Figure 2). Count 4 differs from count 1 in that it recites as a positive step the treatment of a straight run hydrocarbon oil fraction with sulphuric acid in order to obtain a straight run sulphuric acid sludge to be used for the refining of a cracked hydrocarbon oil. However, McCormick has disclosed the use of an acid sludge obtained from the sulphuric acid treatment of a straight run gasoline, and there is only one way of getting a sulphuric acid sludge from the treatment of a straight run gasoline and that is obvious, simply by treating a straight run gasoline with sulphuric acid. Count 5 is similar to count 4 and differs from it merely in the additional step of using fresh sulphuric acid. McCormick's disclosure supports count 5 also.

The Primary Examiner found that McCormick disclosed the process of the counts, not only in certain language used, which the Examiner quoted, but also in Figure 2 of the McCormick drawings.

From a statement made in the Examiner's decision, it would seem that the exact invention defined by the counts was not fully understood by him. In referring to it he said:

"More specifically the cracked hydrocarbon oil is given a preliminary treatment with an acid sludge followed by treatment with fresh acid."

It is more correct to state that specifically the invention consists in separately treating with fresh sulphuric acid a cracked distillate which has been previously treated with a straight run sludge.

We have examined Figure 2, relied upon by the Examiner, and as we understand it, the fresh acid coming through a proportioning pump into one of the tanks is not admitted to a lighter fraction which had been treated with a straight run sludge, but in Figure 2 of the drawings a mixing of fresh acid with a sludge in order to make said acid sludge have a greater acid component is shown.

In the McCormick original specification is found the following:

It is found that such acid sludge obtained from treating the heavy fraction * * * with high acid rates contains sufficient reactive sulphuric acid to function efficiently for the desulphurization of the light fraction * * * hence a preferred form of the invention includes the supply of acid sludge derived from the treatment of the heavy fraction * * * for the treatment of the light fraction * * *. [The sludge referred to is a cracked acid sludge.]

* * * * * * *

However, the use of other suitable sludges as, for instance, the acid sludge obtained from the sulphuric acid treatment of straight run gasoline or kerosene, or from other sources, is contemplated herein for the treatment of the light fraction in place of the straight acid treatment, it being understood, of course, that if any of the sludges utilized for this purpose are deficient in acid value for treatment of the light fraction, such sludge can be increased in acid concentration by the addition of a required amount of fresh acid * * *.

Alternatively, if the acid sludge derived from the heavy fraction is not sufficiently reactive to reduce the sulphur content of the light fraction to a very low figure, the light fraction may be further separately treated with fresh acid at a rate of say up to five pounds per barrel of 98% acid and in accordance with the true countercurrent flow shown in Fig. 2.

The Board, in reversing the Examiner of Interferences as to counts 2, 5, and 6, merely made this brief statement:

As to counts 2, 5, and 6, we find that McCormick does not specifically state that he treats with sulphuric acid a cracked distillate that has been previously treated with straight run sludge. We find nothing relative to Fig. 2 of McCormick, referred to in the Primary Examiner's decision, which specifically discloses the process of these counts.

It will be noticed that the Board states that McCormick does not specifically state that he treats a cracked distillate that has been previously treated with a straight run sludge with sulphuric acid. The Examiner seemed not to have expressed himself upon the particular point raised by the Board.

In the McCormick specification he teaches that he first fractionates the hydrocarbon product and then he treats the cracked heavier fraction and obtains a cracked sulphuric acid sludge therefrom. This is distinguishable from a straight run acid sludge in that in the latter a straight run oil and not cracked oil is treated with acid and a sludge is obtained. In obtaining straight run gasoline no cracking process is involved. McCormick takes the cracked acid sludge which he obtains from the heavier fraction and he uses it to purify the lighter fraction. He states definitely that he may use other sludges "for instance, the acid sludge obtained from the sulphuric acid treatment of straight run gasoline or kerosene." Now, the point made by the Board is, as we understand it, that he did not say that he could treat a light cracked fraction with a sludge obtained from the sulphuric acid treatment of straight run gasoline and then afterwards treat the same further with fresh acid. In other words, while he speaks of a cracked distillate that has been previously treated with straight run sludge, he at no point teaches that this particular material may be further separately treated with fresh acid.

It will be noticed that in the quoted language where he "alternatively" refers to further treating the light fraction with fresh acid, he at no place suggests that he further separately treats with fresh acid a light cracked fraction that has previously been treated with a straight run sludge.

Much has been said about what was old in the art and what one skilled in the art would do in performing the McCormick process, but we are not convinced that McCormick has taught one skilled in the art the particular invention defined by the three counts at bar.

While the principles laid down by this court in *Hansgirg* v. *Kemmer*, 26 C. C. P. A. (Patents) 937, 102 F.(2d) 212, 505 O. G. 514, referred to by the Board, have some application to the issue involved, the case is not exactly in point with the instant case on the question of inherency, except as applied to Figure 2 of the drawings, and with respect to that figure we think the following language in the said *Hansgirg* v. *Kemmer* case is pertinent:

Where one copies a claim from an inadvertently issued patent it should clearly appear that his application disclosed the invention either expressly or inherently. [Authorities cited.] He may disclose the invention by drawings, by the use of language, or he may disclose it by reciting and teaching such subject matter as will inherently do the thing or possess the quality which is claimed for it. So it is not enough to say that Kemmer said nothing about dust removal or about a screen which would remove it if the process defined by Kemmer would inherently perform the function in the manner prescribed by the count. Inherency, however, may not be established by probabilities or possibilities. The mere fact that a certain thing may result from a given set of circumstances is not sufficient. [Authorities cited.] If, however, the disclosure is sufficient to show that the natural result flowing from the operation as taught would result in the performance of the questioned function, it seems to be well settled that the disclosure should be regarded as sufficient.

It is difficult to see how the invention of the counts is inherent in McCormick's application, including original claim 10. Original claim 10 admittedly does not cover the invention at bar. In it is no mention of treating a cracked light fraction with a straight run sludge before treating it with fresh acid.

[1] McCormick argues more to the effect that anyone carrying out the McCormick teachings and being skilled in the art would, if desirable, separately treat with fresh sulphuric acid a cracked distillate that had been previously treated with straight run sludge. If it were conceded that one skilled in the art "might" do so, we do not think that this fact alone would justify the conclusion that the invention of the counts was disclosed in the McCormick application. Under circumstances like those at bar, for a disclosure to support interference counts, there must be more than a possibility that a certain process will be followed if the teachings are followed. There must be some positive, definite disclosure of the steps of the process, or such a disclosure of steps that if the teachings are followed by one skilled in the art the process must inevitably result. *Hansgirg* v. *Kemmer*, supra; *Brand* v. *Thomas*, 25 C. C. P. A. (Patents) 1053, 96 F.(2d) 301, 496 O. G. 561.

[2] One other question needs consideration here. When Malherbe appealed to the Board of Appeals from the decision of the Examiner of Interferences, the decision on priority as to the invention defined by the six counts there involved was in favor of McCormick. He relied for evidence of priority upon his said earlier filed application and as before stated at no time attempted to take any testimony relating to priority. After the Board had reversed the Examiner as to counts 2, 5, and 6, and had awarded priority of the invention therein to Malherbe, McCormick filed a request for reconsideration in which he argued that the Board was in error in holding that his earlier-filed application did not sufficiently disclose the invention of the three counts in controversy. In this request is contained the following:

Should the Board still feel on reconsideration that *Hansgirg* v. *Kemmer* requires McCormick to "specifically state" the counts in his specification in spite of the foregoing argument to the contrary, *it is moved that McCormick be given opportunity to take testimony to prove that he reduced the narrower counts to actual practice before the constructive reduction to practice by filing his parent case.* This it is hoped the Board will render unnecessary by awarding all counts to McCormick as urged herein. [Italics ours.]

Request to take testimony has not heretofore been made as the Patent Office has previously said in effect it is not necessary for McCormick to take testimony as we hold his parent case discloses the invention of counts 1 to 6 inclusive.

We know of no rule or decision of the Patent Office or decision of any court which supports the contention of appellant that under the circumstances at bar the Board should have remanded the case or had the right to remand the case for the purpose of affording him the opportunity of taking testimony relating to priority arising from an actual reduction to practice alleged to have occurred prior to his earliest filing date. The only issue before the Board was one of priority and that issue had to be decided upon the record before it. Appellant cites no authority in support of his contention.

Whether appellant, during the time when the Examiner of Interferences had jurisdiction of the proceeding, had the right to submit proof relating to an earlier reduction to practice than that relied upon by the Primary Examiner and by the appellant, is beside the question. He made no showing relating to an earlier reduction to practice than that disclosed in his early application and did not seek an opportunity to do so until after the Board had decided the case against him. The Board committed no error in overruling appellant's said motion to remand.

[3] The decision of the Board of Appeals, awarding priority in the invention defined by counts 2, 5, and 6 to the party Malherbe is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE MINK

No. 4,561. Decided January 6, 1941

[116 F.(2d) 288]

PATENTABILITY—ICE CREAM AND METHOD OF PREPARATION. Certain claims to ice cream and certain claims to its method of preparation *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Norbert E. Birch (*Mr. R. G. Story* of counsel) for Mink.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting all of the claims 1, 2, 3, 6, 7, 8, 9, 10, 15, and 16 of appellant's application for a patent for alleged new and useful improvements in ice cream.

The Examiner rejected all of the claims as lacking invention over the cited prior art and also rejected claims 1, 2, 6, 8, 9, 10, and 16 as being aggregative. The Board of Appeals in its decision did not agree that process claim 9 was aggregative.

Claims 1, 8, and 9 are illustrative of the subject matter involved and read as follows:

1. As an article of manufacture, a new food product composed of ice cream containing a small percentage of egg yolk to which has been added an ester of a polyhydric alcohol and a higher fatty acid being characterized by one or more free alcoholic hydroxyl groups in the polyhydric alcohol part of the ester.

8. As an article of manufacture, a new food product composed of ice cream containing a small percentage of egg yolk to which has been added monoacid ester of a higher fatty acid and glycerol.

9. The process of manufacturing ice cream which comprises adding thereto egg yolk containing a small percentage of a monoacid ester of a higher fatty acid and glycerol.

The references cited are: Harris et al., 2,026,631, January 7, 1936; Harris et al., 2,039,409, May 5, 1936; Roth et al., 2,065,398, December 22, 1936.

Appellant's application relates to a method of preparing ice cream and to the product. The claimed invention is described in the decision of the Board of Appeals as follows:

> • • • A hydrophilic ester also known as hydrophilic lipins of certain designated type or scope, is added to egg yolks and thoroughly incorporated therewith, with or without sugar and then this prepared egg material is employed in making up the ice cream mixture. The esters or lipins that may be employed are indicated as to scope in claims 1 and 8 of the claims on appeal. An essential feature is that at least one hydroxyl radical be retained by the polyhydric alcohol.

The patent to Roth et al. relates to the method of making ice cream and the resultant product. In the specification it is stated:

> • • • To secure a velvety texture in the finished product, it is desirable in the manufacture of ice cream to incorporate such agents as gelatin, egg yolk or lecithin to cause the formation of finer ice crystals than would be formed in the absence of such agents.

The same patent points out that with the use of such agents it is

> "difficult to control the amount of overrun and at times difficult to obtain as much overrun as is necessary to secure the best texture in the finished product."

The overrun is determined by comparing the weight of a fixed volume of the frozen ice cream to the weight of a fixed volume of the mix before freezing.

It is stated in the patent that the texture of the product is improved and a controlled overrun obtained in a shorter time by the incorporation in the mix of an ester of fatty acid and polyhydric alcohol having one or more free alcoholic hydroxyl groups on the polyhydric alcohol component of the ester. Specifically, the substance added to the mix may be mono acid glyceride, di acid glyceride, mono acid ester of ethylene glycol, mono acid ester of di ethylene glycol, or any ester of polyhydric alcohol and fatty acids characterized by having one or more free alcoholic hydroxyl groups.

It is said in the patent that the use of egg yolks has long been known to give smoothness to ice cream and that when added to ice cream the overrun is obtained in less time and is greater than when obtained by the use of gelatin or gum alone. The patent also states that:

> We have found that the use of mono or di acid glyceride renders the use of egg yolk unnecessary. We have made tests using gelatin as a stabilizer in control mixes which have given maximum overruns of about 90%. With the addition of a very small amount of mono or di acid glyceride we have obtained overruns as high as 117% without the use of egg yolks.
>
> In practice we have successfully secured an overrun of 100% in six minutes by the addition of mono glyceride. A control sample to which no mono acid glyceride was added showed an overrun of 91% at the end of six minutes and an overrun of 100% was not secured until twelve minutes had elapsed.

Each of the Harris et al. references discloses that in the making of cake batters hydrophilic esters of the same type disclosed in the present application are used. A liquid emulsion of egg material (the invention contemplates the use of yolks alone as well as whole eggs or whites or mixtures thereof) and hydrophilic lipin may be added to the other materials after the emulsion has been mixed.

It is clear that in the making of ice cream the use alone of egg yolks or acids and esters, such as those disclosed in the application, is old in the art. It is also clear, as seen in the Roth et al. patent, that either egg yolk or hydrophilic esters as disclosed in the application have the property of causing ice cream made with either substance to be smoother in texture and resulting in a greater overrun. While it is true that this patent points out that the use of egg yolk is unnecessary to produce a substantial overrun when mono or di acid glyceride is used, we are of opinion that the patent does not negative the use of egg yolk, as contended by appellant. The use of egg yolk being termed "unnecessary" does not mean that it cannot or should not be used. The very fact that the patent states the good qualities of this substance indicates, we think, that it may be added to the ice cream ingredients of the Roth et al. patent when a richer ice cream is desired.

If the patents to Harris et al. specifically pointed out that the use of their hydrophilic esters in cake batters were applicable to the making of ice cream it would appear that the claims of appellant would have been fully anticipated. From a careful examination of these patents we agree with the Board of Appeals in its statement that:

> Each of these patents [Harris et al.] even further suggests that the dispersing agent or ester may be specifically added to the egg material including the egg yolk before adding this premixed composition to the rest of the cake batter containing the usual cake making materials.

Certain materials used in the making of cake and certain materials used in the making of ice cream are substantially the same, and it appears to us that the application of the disclosure of the Harris et al. patents in the cake making art to the making of ice cream as shown by the Roth et al. patent would be obvious to one skilled in either art, and would result in a product identical with that claimed herein.

An affidavit filed on behalf of appellant is in the record. It describes certain tests and sets out the results thereof. The Board of Appeals properly disposed of the affidavit in the following language:

> We have carefully considered the showing of comparative tests presented in the form of an affidavit of record. While some improved result appears to be shown where the hydrophilic ester is premixed with the egg material in comparison with mixing it in general in the composition, still we are not convinced that the claims should be allowed over this prior state of the art. It is not shown to the contrary and probably it would be true, that the same result might be secured by premixing the hydrophilic ester with any of the other particular ingredients in line with the suggestion of Harris et al. It is believed reasonable to assume that Harris et al. secured and are a disclosure of securing this advantage in an analogous situation. The ground of rejection of each of the claims on appeal as lacking invention over Roth et al. in view of either the Harris et al. patents must be and is affirmed.

We are clearly of opinion that the rejected claims are not patentable over the prior art, and in view of our conclusion it is not necessary to discuss the question of aggregation.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

UNIVERSAL PAPER PRODUCTS CO.

v.

BEMIS BROS. BAG CO.

No. 4,380. Decided January 6, 1941

[116 F.(2d) 294]

1. TRADE-MARKS—GOODS OF SAME DESCRIPTIVE PROPERTIES—COMBINATION FABRIC AND PAPER BAGS, AND PAPER CUPS.
   Combination fabric and paper bags *Held* to be goods of the same descriptive properties as paper cups.
2. SAME—SIMILARITY OF MARKS—"VEECUP" AND "VEE-TUX."
   Trade-mark "Vee-Tux" for use on combination fabric and paper bags *Held* confusingly similar to the registered mark "Veecup" used on paper cups.

APPEAL from Patent Office. Reversed.

GARRETT, *P. J.*, dissenting.

Mr. Richard Spencer for Universal Paper Products Co.

Mr. Delos G. Haynes (*Mr. John D. Pope, III*, of counsel) for Bemis Brothers Bag Co.

JACKSON, *J.:*

This is an appeal from a decision of the Commissioner of Patents in a trade-mark proceeding, reversing a decision of the Examiner of Interferences sustaining the opposition of appellant to the application of appellee for registration of the trade-mark "Vee-Tux" as applied to "combination fabric and paper bags for containing pulverized, granular or lump material, and the like."

Appellant is the owner of the trade-mark "Veecup," for paper cups, which was duly registered in the United States Patent Office over one year before the claimed date of first use by appellee of its mark. Illustrations in the record indicate that the appellant's mark is sometimes written "Vee cup," and sometimes "VeeCup."

Appellant alleged in its notice of opposition that the two trade-marks are confusingly similar, that the goods of the respective parties to which the marks are applied are of the same descriptive properties and that the simultaneous use of the marks by the parties is likely to cause confusion in the minds of the purchasing public.

No testimony was taken. The record consists of a stipulation in which it is agreed that appellant, since the date of adoption, has continuously used its mark upon paper drinking cups, upon cartons in which the cups are packed for shipment, and upon dispensers in which the cups are held and from which they are removed by users; that the goods of appellee are combination fabric and paper bags; that the goods of both parties are sold largely to the same class of purchasers, namely, purchasing officers for companies and corporations, but that the purchasing officers likewise arrange for the purchase of automobiles, medicines, food products, furniture, typewriters, stationery, pipe, etc.; that appellant has enlarged the scope of its manufacturing operations and at the time of filing the stipulation was selling soda cups and sundae dishes made of paper under its trade-mark, and that it intends to continue expanding its business by manufacturing the same wide assortment of paper products as are being made by its competitors; that it is customary for manufacturers such as appellant to make and sell paper containers and products of various and sundry types to the extent of several hundred in number; that neither party is aware that there is a single manufacturer in the United States making and selling both paper cups and combination paper and fabric bags, nor has there been for the past twenty years; and that the parties are not competitors.

The Examiner of Interferences was of opinion that the goods of the parties possess the same descriptive properties and that the marks resemble each other to such an extent that their concurrent use upon their respective goods is reasonably likely to cause confusion. Accordingly, the Examiner sustained the opposition and held the appellee was not entitled to the registration for which it had applied.

The Commissioner of Patents, reversing the decision of the Examiner of Interferences, held the goods not to be of the same descriptive properties, and because of this holding he stated that under the authority of *General Mills, Inc.* v. *Freed*, 24 C. C. P. A. (Patents) 1171, 89 F.(2d) 664, 485 O. G. 17, the similarity of the marks is immaterial.

The specimen which is before us indicates that the bags of appellee are of heavy and strong paper-like material. They are well made and apparently are designed to contain heavy substances, such as sugar, flour, meal, or other similar things commonly sold in grocery stores.

It is clear to us that the goods of the parties specifically differ, but it is equally apparent that both are containers of types usually adapted for food products.

The Examiner of Interferences stated in his decision:

> • • • Containers of this sort commonly vary in structure and materials according to the character of the goods they are designed to hold, and it would not seem unusual for a manufacturer specializing in paper or similar products such as containers to make a number of different kinds thereof from materials appropriate for their intended uses.

We believe that this statement is proper, particularly in view of the agreement shown in the stipulated facts that

> " • • • it is customary on the part of companies engaged in the same line of manufacture as the opposer [appellant] to manufacture and sell paper containers and paper products of various and sundry types."

We hold it to be immaterial that neither party is aware that any single manufacturer in the United States makes and sells paper cups and combination fabric and paper bags and has not done so in the past twenty years. Trade practices change from time to time and it would seem that it would not be departing from normal trade expansion for a manufacturer of goods such as are made by appellant to also engage in the manufacture of other temporary containers of paper or partly of paper such as the bags of appellee.

[1] In determining whether or not the goods here involved are of the same descriptive properties,

> "controlling consideration must be given to the question as to whether or not the goods are similar *to the extent that confusion, deception, or mistake will result to the public or to purchasers.*" *California Packing Corporation* v. *Tillman & Bendel, Inc.*, 17 C. C. P. A. (Patents) 1048, 1051, 40 F.(2d) 108, 110 [italics ours], 394 O. G. 789.

In our opinion the goods here involved are similar to that extent. They do more than merely respond

to the general definition of the word "container." Any box or bottle, drawer or bookcase would certainly answer to such a definition. However, the general definition, as we see it, to which the involved goods should respond for trade-mark purposes is that of a temporary paper or paper-like container. The goods of the parties here are designed for temporary use. They are made of paper or partly of paper, and feel like paper. They are cheap and easily deformed or destroyed. The involved goods possess at least as much the same descriptive properties as this court held were possessed by horse-radish, olive spread, cranberry jelly and tea and coffee in the case of *Cheek-Neal Coffee Co. et al.* v. *Hal Dick Mfg. Co.*, 17 C. C. P. A. (Patents) 1103, 40 F.(2d) 106, 395 O. G. 10, and the wheat flour and dried fruits in the case of *California Prune & Apricot Growers Ass'n.* v. *Dobry Flour Mills, Inc.*, 26 C. C. P. A. (Patents) 910, 101 F.(2d) 838, 504 O. G. 292.

[2] In "Vee-Tux" and "Veecup" the first syllables are identical and the last syllables differ. We do not think the fact that the mark "Vee-Tux" is hyphenated renders that mark much less similar to "Veecup" than if it were a unitary notation. While it is true that there is some difference in appearance between the marks, nevertheless they sound very much the same when pronounced, and when considered as a whole we believe that their resemblances appear to predominate over their differences, so that their concurrent use on goods of the same descriptive properties, in our opinion, is likely to give rise to confusion. See *McKinnon & Co.* v. *HyVis Oils, Inc.*, 24 C. C. P. A. (Patents) 1105, 88 F.(2d) 699, 484 O. G. 746; *The Bon Ami Co.* v. *McKesson & Robbins, Inc.*, 25 C. C. P. A. (Patents) 826, 93 F.(2d) 915, 490 O. G. 729.

In view of what has been stated it is unnecessary to consider the question as to whether or not the mark sought to be registered is descriptive of the goods to which it is applied, as was urged by the appellant.

For the reasons stated, the decision of the Commissioner of Patents is reversed.

Reversed.

GARRETT, *P. J.*, dissents.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,306,768 (*a*), J. V. Martin, Aircraft running and alighting device; 1,400,177, same, Aerofoil; 1,418,008, same, Aircraft structure; 1,431,017, same, Aeroplane alighting device; 1,603,134, same, Aeroplane propulsion installation; 1,627,191, same, Aeroplane wing structure, D. C. Del., Doc. E 1168, *J. V. Martin* v. *Douglas Aircraft Co., Inc.* Order on stipulation dismissing action with prejudice June 19, 1940. Doc. E 1169, *J. V. Martin* v. *Transcontinental & Western Air, Inc.* Decree as above June 20, 1940.

1,306,768 (*b*), J. V. Martin, Aircraft running and alighting device; 1,400,177, same, Aerofoil; 1,418,008, same, Aircraft structure; 1,431,017, same, Aeroplane alighting device; 1,603,134, same, Aeroplane propulsion installation; 1,627,191, same, Aeroplane wing structure; 1,490,513, A. S. Janin, Landing gear for flying machines, D. C., Del., Doc. E 1166, *J. V. Martin* v. *American Airlines, Inc.* Order on stipulation dismissing action with prejudice June 24, 1940. Doc. E 1170, *J. V. Martin* v. *United Air Lines Transport Corp.* Doc. E 1173, *J. V. Martin* v. *Curtiss-Wright Corp. et al.* Doc. E 1175, *J. V. Martin* v. *Pan American Airways Corp. et al.* Doc. E 1178, *J. V. Martin* v. *Boeing Airplane Co.* Decree as above June 20, 1940, in each of above cases.

1,400,177. (See 1,306,768 (*a*) and (*b*).)

1,418,008. (See 1,306,768 (*a*) and (*b*).)

1,431,017. (See 1,306,768 (*a*) and (*b*).)

1,478,007. (See 1,491,915.)

1,490,513. (See 1,306,768 (*b*).)

1,491,915, W. L. McLaine, Float plug; 1,478,007, R. C. Baker, Guiding, floating and cementing device for well casings, D. C., E. D. Tex. (Tyler), Doc. E 1059, *Baker Oil Tools, Inc., et al.*, v. *Larkin Packer Co.* Patents held valid and infringed, injunction; counterclaim dismissed Feb. 3, 1941.

1,507,016, L. De Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,573,374, P. A. Chamberlain, Radio condenser; 1,734,038, L. Levy, Electrical transmission of energy; 1,869,323, P. H. Evans, Communication system; 1,936,162, R. A. Heising, Transmission system; 2,052,316, R. E. Sagle, Variable condenser, D. C., S. D. N. Y., Doc. 6/107, *Radio Corp of America et al.* v. *S. Solat et al.* Consent judgment (notice Feb. 4, 1941).

1,507,017. (See 1,507,016.) 1,507,374. (See 1,057,016.)

1,574,700, Schlesinger & Heine, Foot controlled wash fountain; 2,196,301, H. E. Heine, Wash fountain, filed Feb. 5, 1941, D. C., S. D. Ohio, W. Div., Doc. 282, *Bradley Washfountain Co.* v. *Metalloid Engineering & Mfg. Co.*

1,581,188, C. G. Fink, Process of electrodepositing chromium and of preparing baths therefor; 1,802,463, same, Process of producing chromium-plated articles with mirror-like scratch-finish, D. C., S. D. Ind. (Indianapolis), Doc. 342, *United Chromium, Inc.*, v. *G. J. Mayer Co.* Dismissed Feb. 7, 1941. Same, filed Jan. 30, 1941, D. C., N. D. Ill., E. Div., Doc. 2566, *United Chromium, Inc.*, v. *Midwest Mfg. & Plating Co.*

1,603,134. (See 1,306,768 (*a*) and (*b*).)

1,603,134, J. V. Martin, Aeroplane propulsion installation; 1,627,191, same, Aeroplane wing structure, D. C., Del., Doc. E 1167, *J. V. Martin* v. *Consolidated Aircraft Corp.* Order on stipulation dismissing action with prejudice June 19, 1940.

1,627,191. (See 1,306,768 (*a*) and (*b*) and 1,603,134.)

1,677,022, 1,682,167, 1,894,028, A. Deutschmeister, advertising carrier, filed Feb. 10, 1941, D. C., E. D. N. Y., Doc. 1821, *D. & S. Patents Corp.* v. *The Brooklyn Union Gas Co.* Doc. 12/499, *D. & S. Patents Corp.* v. *The Sawdon Co., Inc.*

1,682,167. (See 1,677,022.)

1,687,013, O. A. Frederickson, Armored electric cable; 1,828,772, same, Electrical conductor; 1,798,486, D. H. Murphy, same; 1,863,979, Fullman & Rittelmann, Manufacture of electrical conductors; 2,186,555, G. E. Phillips, Means for marking electrical conductors; 2,222,556, Robinson & Moore, Electrical conductor, filed Feb. 3, 1941, D. C., E. D. Mich., S. Div., Doc. 2441, *National Electric Products Corp.* v. *Triangle Conduit & Cable Co., Inc., et al.*

1,707,617, E. W. Kellogg, Sound reproducing apparatus; 1,740,331, W. L. Carlson, Tuning of high frequency circuits; 1,728,879, Rice & Kellogg, Amplifying system; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation; Re. 20,307, A. Mavrogenis, Wireless receiving apparatus, D. C., S. D. N. Y., Doc. 6/108, *R. C. A. et al.* v. *Gonzola O'Neill et al.* Consent judgment Feb. 4, 1941.

1,728,879. (See 1,707,617.) 1,734,038. (See 1,507,016.)

1,740,331. (See 1,707,617.)

1,744,016, A. P. Steckel, Metal rolling; 1,744,017, same, Rolling metal strip; 1,744,018, same, Method and apparatus for rolling; 1,881,056, W. C. McBain, Tension device, D. C. N. J., Doc. E 4817, *Cold Metal Process Co.* v. *American Sheet & Tin Plate Co. et al.* Decree on mandate Oct. 14, 1940.

1,744,017. (See 1,744,016.) 1,744,018. (See 1,744,016.)

1,748,007. (See 1,491,915.)

1,773,907, C. Dreyfus, Process of cutting fabric and product thereof; 2,086,238, H. Platt, Ribbon cutter, C. C. A., 2d Cir., Doc. —, *Celanese Corp. of America* v. *Ribbon Narrow Fabrics Co., Inc.* Decree affirmed (notice Feb. 10, 1941).

1,789,236, Klein & Kasanof, Tag securing means; 1,790,695, M. B. Behrman, Seal, D. C. N. J., Doc. E 5952, *S. Klein* v. *E. J. Brooks Co.* Decree on mandate Oct. 21, 1940.

1,790,695. (See 1,789,236.) 1,798,486. (See 1,687,013.)

1,802,463. (See 1,581,188.) 1,828,772. (See 1,687,013.)

1,863,979. (See 1,687,013.) 1,869,323. (See 1,507,016.)

1,881,056. (See 1,744,016.) 1,894,028. (See 1,677,022.)

1,936,162. (See 1,507,016.)

1,962,264, H. Veit, Hair cutting and thinning shears, filed Feb. 20, 1941, D. C. Kans. (Wichita), Doc. 1940, *Jetter & Scheerer, Inc., et al.* v. *Wichita Grinding Co.*

1,994,850. (See 2,150,311.)

2,034,687, O. Gretler, Apparatus for the wet treatment of textile goods; 2,161,812, same, Apparatus for continuously feeding a web of fabric in open state into a treating liquid, D. C. N. J., Doc. 1182, *Fair Lawn Finishing Co.* v. *Hinnekens Machine Co., Inc.* Decree for injunction Jan. 13, 1941.

2,045,969, J. Stanitz, Sink, washbasin, and the like; 2,055,378, 2,127,559, V. J. Graf, Sink, filed Jan. 18, 1941, D. C., S. D. Ind. (Indianapolis), Doc. 353, *Steel Plumbing Wares, Inc.*, v. *Auburn Central Mfg. Corp.*

2,052,316. (See 1,507,016.) 2,055,378. (See 2,045,969.)

2,086,238. (See 1,773,967.)

2,118,318, C. C. Magee, Coin controlled parking meter; 2,168,302, J. B. McGay, et al., Coin controlled time measuring meter, D. C. Del., Doc. 150, *Dual Parking Meter Co.* v. *The Karpark Corp.* Dismissed with prejudice July 19, 1940.

2,127,559. (See 2,045,969.)

2,128,193. (See Re. 21,676.)

2,147,462, C. Seaman, Apparatus for producing shirred materials; 2,147,463, same, Shirred material; 2,175,322, same, Method of producing shirred materials, D. C. N. J., Doc. 1225, *C. Seaman* v. *E. Prazak, Jr., et al.* Decree for injunction only Dec. 10, 1940.

2,147,463. (See 2,147,462.)

2,150,311, R. C. Baker, Wash-down and cementing shoe for well casings; 1,994,850, C. E. Burt, Cementing and floating shoe for well casings, D. C., N. D. Okla. (Tulsa), Doc. 352, *Baker Oil Tools, Inc.*, v. *Larkin Packer Co., Inc.* Patents held valid, defendant enjoined from use except by license Feb. 3, 1941.

2,161,812. (See 2,034,687.) 2,168,302. (See 2,118,318.)

2,175,322. (See 2,147,462.) 2,186,555. (See 1,687,013.)

2,196,301. (See 1,574,700.) 2,222,556. (See 1,687,013.)

Re. 18,579. (See 1,707,617.)

Re. 20,307. (See 1,707,617.)

Re. 21,585, E. K. Clark, Sadiron; Des. 101,495, D. L. Hadley, Electric iron, filed Jan. 24, 1941, D. C., N. D. Ill., E. Div., Doc. 2544, *Westinghouse Electric & Mfg. Co.* v. *Chicago Electric Mfg. Co.*

Re. 21,676 (of 2,128,193), C. B. Shane, Overcoat; T. M. 347,649, C. B. Shane Corp., Men's overcoats and top coats, filed Jan. 10, 1941, D. C., N. D. Ill., E. Div., Doc. 2501, *C. B. Shane Corp.* v. *M. L. Rothschild, Inc.*

Des. 101,495. (See Re. 21,585.)

Des. 104,068, Des. 104,071, Des. 104,074, Des. 104,145, D. Lewis, Straw handbag; Des. 104,069, Des. 104,070, Des. 104,072, Des. 104,073, Des. 104,075, Des. 104,144, same, Handbag, (declaratory judgment), D. C., S. D. N. Y., Doc. E 87/40, *Landis Leather Goods, Inc.*, v. *Nat Lewis Purses, Inc., et al.* Dismissed for lack of prosecution (notice Jan. 21, 1941).

Des. 104,069. (See Des. 104,068.)

Des. 104,070. (See Des. 104,068.)

Des. 104,071. (See Des. 104,068.)

Des. 104,072. (See Des. 104,068.)

Des. 104,073. (See Des. 104,068.)

Des. 104,074. (See Des. 104,068.)

Des. 104,075. (See Des. 104,068.)

Des. 104,144. (See Des. 104,068.)

Des. 104,145. (See Des. 104,068.)

Des. 117,009, Des. 117,131, A. Tabin, Textile fabric, D. C., S. D. N. Y., Doc. 8/34, *Tabin-Picker & Co. et al.* v. *National Blouse Corp.* Injunction (notice Feb. 10, 1941).

Des. 117,131. (See Des. 117,009.)

T. M. 347,649. (See Re. 21,676.)

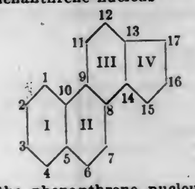
Changes in Classification

Order No. 3,553, April 18, 1941, directs:

In *class 260, Chemistry, Carbon Compounds* (Division 6), change the title and definition of subclass 397 to read:

Carbocyclic or acyclic
397 Cyclopentanohydrophenanthrenes.

397. Compounds under subclass 350 having the cyclopentanophenanthrene nucleus



wherein the phenanthrene nucleus contains more hydrogen than is present in phenanthrene.

Note.—For the extraction of sex hormones from sources of animal origin, see class 167, MEDICINES, POISONS AND COSMETICS, subclass 74.

In *class 260, Chemistry, Carbon Compounds* (Division 6), establish the following subclasses and definitions:

Carbocyclic or acyclic
Cyclopentanohydrophenanthrenes

397.1 Non-oxo-carbonylic (e. g., bile acids).
397.2 Sterols (including vitamin D).
397.3 Oxo.
397.4 Oxy.
397.5 Oxy.
397.6 Para-N-benzenesulfoxy-X (X=C or N)
397.7 Sulfonamides (e. g., sulfanilamide).

397.1. Compounds under subclass 397 containing a non-oxo-carbonylic group bonded through its carbon to a carbon of a radical containing a cyclopentanohydrophenanthrene nucleus.

(1) Note.—In this subclass are placed, for example, bile acids, their salts, esters and amides.

(2) Note.—For acylated hydroxy-cyclopentanohydrophenanthrene compounds, see this class, particularly subclasses 397.2, 397.4, and 397.5.

397.2. Compounds under subclass 397 known as sterols and having a side chain containing six or more acyclic uninterrupted carbon atoms bonded to C_{17} of the cyclopentanohydrophenanthrene nucleus; see the formula in subclass 397 for the numbering of the nucleus. This subclass also includes vitamin D.

Note.—See classes 99, FOODS AND BEVERAGES, subclass 11, for food containing vitamins; 167, MEDICINES, POISONS AND COSMETICS, subclass 81, for vitamins in general; and 204, CHEMISTRY, ELECTRICAL AND WAVE ENERGY, subclasses 159 and 166, for the preparation of vitamins by processes utilizing electrical, radiant or wave energy.

397.3. Compounds under subclass 397 containing an oxo group.

Note.—In this subclass are placed, for example, progesterone and androstanedione.

397.4. Compounds under subclass 397.3 containing an oxy group.

Note.—This subclass includes, for example androsterone, pregnanolone, and estrone.

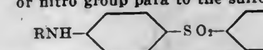
397.5. Compounds under subclass 397 containing an oxy group.

(1) Note.—In this subclass are placed, for example, estradiol and androstanol.

(2) Note.—See this class, subclass 397.4.

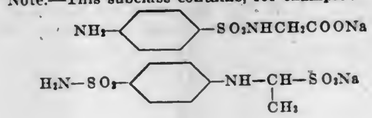
397.6. Compounds under subclass 350 which contain a para-nitrogen-benzenesulfoxy group, i. e., p-N-benzene-SO_2- or p-N-benzene-SO-, wherein the sulfoxy group is bonded to a carbon or nitrogen atom and wherein the phenylene nucleus may be substituted by monovalent substituents.

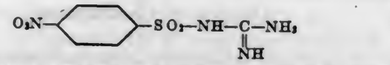
Note.—In this subclass are placed, for example, diphenyl sulfones or sulfoxides containing an amino or nitro group para to the sulfoxy group and



397.7. Compounds under subclass 397.6 containing the grouping para-N-benzene-SO_2-N.

Note.—This subclass contains, for example:





The patents contained in subclasses 397.1–397.5 have been taken from class 260, subclass 397, and those in subclasses 397.6 and 397.7 have been taken for the most part from class 260, subclasses 401, 501, and 556.

In *class 250, Radiant Energy* (Division 54), change the title and definition (retaining the notes) of subclass 43 to read:

Ray energy

43 Fluent material.

43. Subject matter under subclass 42 for subjecting fluent material to radiant energy rays or emanations;

and change the title of subclass 83 to read:

Ray energy

83 Detection and measurement of radiant energy rays.

In *class 4, Baths, Closets, Sinks and Spittoons* (Division 1), subclass 170, number the existing note (*1*) and add:

(2) Note.—For supports of general application, see the pertinent subclasses of classes 211, SUPPORTS, RACKS, and 248, SUPPORTS.

In *class 27, Undertaking* (Division 20), subclass 11, add the following note:

Note.—See class 62, REFRIGERATION, subclasses 9, 78, and 100, for similar devices having structures, chambers or receptacles peculiarly adapted for refrigerating the body;

and in subclass 23 add the following note:

Note.—See class 62, REFRIGERATION, subclasses 9, 78, and 100, for similar devices having structures, chambers or receptacles peculiarly adapted for refrigerating the body.

In *class 62, Refrigeration* (Division 44), subclass 9, in note (2) add:

27—UNDERTAKING, subclasses 11 and 23, for similar structures for use in preserving other than by refrigeration;

in subclass 78 in note (2) add:

27—UNDERTAKING, subclasses 11 and 23, for similar structures for use in preserving other than by refrigeration;

and in subclass 100 in note (2) add:

27—UNDERTAKING, subclasses 11 and 23, for similar structures for use in preserving other than by refrigeration;

In *class 67, Illuminating Burners* (Division 30), subclass 3, number the existing note (*2*) and add:

(1) Note.—This subclass has solid fuel burners combined with igniting means, except flashlights combined with igniters for which see this class, subclass 28 and indented subclasses;

in subclass 35 add the following note:

Note.—See this class, subclass 9 and indented subclasses, for liquid fuel lamps combined with igniters;

and in subclass 87 number the existing note (*2*) and add:

(1) Note.—See this class, subclass 14 and indented subclasses, for gaseous fuel burners combined with igniters.

In *class 105, Railway Rolling Stock* (Division 34), subclass 380, add the following note:

Note.—To complete the search, see class 280, LAND VEHICLES, subclass 143 and indented subclasses, and class 296, LAND VEHICLES, BODIES AND TOPS, subclass 43.

In *class 124, Mechanical Guns and Projectors* (Division 62), subclass 3, cancel the note and substitute:

NOTE.—See class 172, ELECTRICITY, MOTIVE POWER, subclass 290, for linear electric motors disclosed for purposes other than projecting missiles through the air, and also for patents where the claims are not limited to electromagnetic guns and only the linear motor structure is claimed.

In *class 158, Liquid and Gaseous Fuel Burners* (Division 19), subclass 117.1, in note (2) cancel the reference to class 137, Water Distribution, number the note (*3*) and add:

(2) Note.—For valves of general utility with thermostatic heating means where a burner controlled by the valve is not claimed, see class 137, WATER DISTRIBUTION, subclasses 139, 161, and 162.

In *class 183, Gas Separation* (Division 32), subclass 2.5, add the following note:

Note.—For volume or flow meters combined with gas and liquid separators, see class 73, MEASURING AND TESTING, subclass 200.

In *class 184, Lubrication* (Division 45), in the definition of subclass 3 after "car" insert *or mounted adjacent a track*.

In *class 224, Package and Article Carriers* (Division 29), subclass 15, add the following note:

Search class—

312—SUPPORTS, CABINET STRUCTURES, subclass 45 and indented subclasses.

In *class 252, Compositions* (Division 64), subclass 155, in the definition change "111" to *152*; and in subclass 156 cancel from "contain" to the end of the sentence and substitute *have alkaline reactions*.

In *class 260, Chemistry, Carbon Compounds* (Divisions 6 and 63), subclass 401, add the following note:

NOTE.—See this class, subclasses 397.6 and 397.7, for higher fatty acid compounds containing the grouping para-nitrogen-benzene-sulfoxy-X (X=C or N);

in subclass 429 add the following note:

(4) Note.—See this class, subclasses 397.6 and 397.7, for heavy metal or aluminum compounds containing the grouping para-nitrogen-benzene-sulfoxy-X (X=C or N);

in subclass 453 number the existing note (*1*) and add:

(2) Note.—See this class, subclasses 397.6 and 397.7, for esters containing the grouping para-nitrogen-benzene-sulfoxy-X (X=C or N);

in subclass 500 add the following note:

(5) Note.—See this class, subclasses 397.6 and 397.7, for esters containing the grouping para-nitrogen-benzene-sulfoxy-X (X=C or N);

in subclass 551 number the existing note (*1*) and add:

(2) Note.—See this class, subclasses 397.6 and 397.7, for amides containing the grouping para-nitrogen-benzene-sulfoxy-X (X=C or N);

in subclass 556 add the following note:

Note.—See this class, subclass 397.7, for sulfonamides containing the grouping para-nitrogen-benzene-SO_2N;

in subclass 563 add the following note:

(5) Note.—For amines containing a para-nitrogen-benzene-sulfoxy-X group (where X= C or N), see this class, subclasses 397.6 and 397.7;

in subclass 570.8 cancel "benzedrine" and substitute *amphetamine*; and in subclass 607 add the following note:

Note.—For sulfoxides and sulfones containing a para-nitrogen-benzene group, see this class, subclasses 397.6 and 397.7.

In *class 261, Gas and Liquid Contact Apparatus* (Division 32), subclass 76, under "Search classes" add:

103—PUMPS, subclass 258 and indented subclasses.

In *class 280, Land Vehicles*, (Division 10), subclass 143, number the existing note (*1*) and add:

(2) Note.—To complete the search, see class 105, RAILWAY ROLLING STOCK, subclass 380 and indented subclasses, and class 296, LAND VEHICLES, BODIES AND TOPS, subclass 43.

In *class 296, Land Vehicles, Bodies and Tops* (Division 10), subclass 43, cancel the existing note and substitute:

Note.—To complete the search, see class 105, RAILWAY ROLLING STOCK, subclass 380 and indented subclasses, and class 280, LAND VEHICLES, subclass 143 and indented subclasses.

In *class 312, Supports, Cabinet Structures* (Division 8), subclass 45, add the following note:

(3) **Search class—**

224—PACKAGE AND ARTICLE CARRIERS, subclasses 15 and 16, for cartridge feeding magazines combined with means to support them from the body or belt.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 6, 1941

[VOL. 526. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 439,251. IOWA-MISSOURI HYBRID CORN CO., Pulaski, Iowa. Filed Dec. 28, 1940.



No claim is made to the words "Iowa" and "Missouri" and the representation of the goods apart from the mark.

FOR HYBRID SEED CORN.

Claims use since January, 1940.

Ser. No. 440,086. B. D. EISENDRATH TANNING CO., Chicago, Ill. Filed Jan. 29, 1941.

MIDLANDS GRAIN

Applicant disclaims the word "Grain" apart from the mark.

FOR LEATHER.

Claims use since Dec. 12, 1940.

Ser. No. 440,284. B. D. EISENDRATH TANNING CO., Chicago, Ill. Filed Feb. 4, 1941.

STORM CALF

Applicant disclaims the word "Calf" apart from the mark.

FOR LEATHER.

Claims use since Jan. 2, 1898.

Ser. No. 440,491. CHEROKEE COAL COMPANY, Louisville, Ky. Filed Feb. 10, 1941.



The word "Cherokee" is disclaimed apart from the mark.

FOR COAL.

Claims use since 1924.

Ser. No. 440,492. CHEROKEE COAL COMPANY, Louisville, Ky. Filed Feb. 10, 1941.



The word "Harlan" and the representation of the lump of coal are disclaimed apart from the mark.

FOR COAL.

Claims use since 1933.

Ser. No. 440,878. DANIEL GARCIA POSADAS, Buenos Aires, Argentina. Filed Feb. 21, 1941.

POSMAX

FOR CASEIN.
Claims use since June 27, 1940.

Ser. No. 441,196. EITINGON-GREGORY, INC., New York, N. Y. Filed Mar. 4, 1941.

"TINGONA"

FOR FUR SKINS.
Claims use since Feb. 27, 1941.

Ser. No. 441,287. MONARCH LEATHER COMPANY, Chicago, Ill. Filed Mar. 6, 1941.

RANGER

FOR LEATHER.
Claims use since Dec. 31, 1940.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 440,519. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis. Filed Feb. 10, 1941.

PLANE-FLIGHT

FOR HAND LUGGAGE—NAMELY, SUIT CASES, TRAY CASES, HAT CASES, HAT AND SHOE CASES, WARDROBE CASES, AND WEEKEND OR VISITING CASES.
Claims use since Nov. 1, 1940.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 423,289. BRILLO MANUFACTURING COMPANY, INC., Brooklyn, N. Y. Filed Sept. 5, 1939.



The drawing is lined for orange and black. No claim is made to the representation of the carton apart from the mark.
FOR SOAPS, CLEANING, SCOURING, AND POLISHING WADS, PADS, ROLLS, AND CLOTHS OF ABRADENT NATURE, FOR REMOVING FOREIGN MATTER FROM METAL AND OTHER SURFACES.
Claims use since June 8, 1939.

Ser. No. 432,904. TOMALENE MANUFACTURING COMPANY, Lock Haven, Pa. Filed June 11, 1940.

TOMALENE

FOR SAPONACEOUS CLEANSER FOR GENERAL CLEANING USES SUCH AS CLEANING PAINTED WALLS, WOODWORK, LINOLEUM FLOORS, REFRIGERATORS, BATH TUBS, LEATHER GOODS, CARPETS, UPHOLSTERY, OR IN OTHER WORDS, FOR USE IN CLEANING ANY ARTICLE OR SURFACE NOT INJURED BY ORDINARY SOAP AND WATER.
Claims use since Mar. 1, 1940.

Ser. No. 436,804. HUNTINGTON LABORATORIES, INC., Huntington, Ind. Filed Oct. 10, 1940.

CEDAR-SAN

The word "Cedar" is disclaimed apart from the mark.
FOR DUST LAYER OIL AND PRESERVATIVE IN THE NATURE OF A FLOOR SWEEPING COMPOUND FOR FURNITURE, WOODWORK, FLOORS, AND STAIRWAYS, AND FOR TREATMENT OF MOPS AND DUST CLOTHS.
Claims use since 1925.

Ser. No. 441,073. THE ANDERSON COMPANY, Gary, Ind. Filed Feb. 28, 1941.

A-2-Z

FOR GRANULATED HAND SOAP.
Claims use since Jan. 29, 1941.

Ser. No. 441,076. THE ANDERSON COMPANY, Gary, Ind. Filed Feb. 28, 1941.

TEL-A-FREND

FOR GRANULATED HAND SOAP.
Claims use since Jan. 30, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 432,576. GIVAUDAN-DELAWANNA, INC., New York, N. Y. Filed June 1, 1940.

GIVAUDAN NEW YORK DELAWANNA

Applicant disclaims the words "New York" and "Delawanna" apart from the mark.
FOR ORGANIC ODORIFEROUS AND FLAVOR-IMPARTING CHEMICALS; ORGANIC CHEMICALS USED IN PERFUMES, COSMETICS, PAINTS, VARNISHES, DRYING INKS, BACTERICIDAL, FUNGICIDAL, INSECTICIDAL AND PRESERVATIVE COMPOSITIONS; AND ORGANIC CHEMICALS USED AS RANCIDITY STABILIZERS IN SOAPS.
Claims use since Aug. 15, 1939.

Ser. No. 435,870. CLARA HARRIS, Kansas City, Mo. Filed Sept. 11, 1940.

Clara Harris

The mark is a facsimile of applicant's signature.
FOR LIPSTICK.
Claims use since Aug. 28, 1940.

Ser. No. 438,059. CHARLES ZEKIND, doing business as Bedford Drug & Chemical Company, New York, N. Y. Filed Nov. 19, 1940.



All wording except "Placs-Aid" is disclaimed apart from the mark. The representation of the label per se is disclaimed.
FOR SCALP, SKIN, AND HAIR LOTION.
Claims use since Oct. 2, 1940.

Ser. No. 439,209. MEYER FINKELSTEIN, doing business as The Rich Chemical Co., New York. N. Y. Filed Dec. 26, 1940.

KALIDOL

FOR FACIAL OINTMENT.
Claims use since Feb. 1, 1919.

Ser. No. 439,624. ANTONIO MEJIA, Mexico City, Mexico. Filed Jan. 13, 1941.

ROBERINA 5¢

The designation "5¢" is disclaimed.
FOR ANALGESIC MEDICAL PREPARATION FOR RELIEVING PAINS.
Claims use since October, 1921.

Ser. No. 439,814. CLIFFORD G. LA CROSSE, JR., doing business as Maryland Colloid Co., Baltimore, Md. Filed Jan. 21, 1941.

GELLOID

FOR EXTERNAL ANTIPHLOGISTIC ADSORBENT FOR HORSES, CATTLE, AND DOGS, FOR ALLAYING PAIN AND REDUCING INFLAMMATION, OR POULTICE MATERIAL.
Claims use since Jan. 1, 1941.

Ser. No. 439,927. FRANCES DENNEY, Philadelphia, Pa. Filed Jan. 24, 1941.

INDEPENDENCE RED

Applicant disclaims the word "Red" apart from the mark.
FOR TOILET PREPARATIONS — NAMELY, LIPSTICKS, DRY AND CREME ROUGES, AND FACE POWDERS.
Claims use since Nov. 19, 1940.

Ser. No. 440,067. MAMIE LYNN TERRELL, Chicago, Ill. Filed Jan. 28, 1941.



FOR HAIR OIL, PRESSING OIL, HAIR-CURLING FLUID, FACE POWDER, CLEANSING CREAM.
Claims use since July 12, 1940.

Ser. No. 440,518. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Filed Feb. 10, 1941.

CHROMOLAN

FOR DYES, DYESTUFFS, AND COLORS IN THE NATURE OF TEXTILE DYES.
Claims use since Dec. 16, 1940.

Ser. No. 440,678. MARTIN F. EMORY, doing business as The Duo-Haler Company, New York, N. Y. Filed Feb. 15, 1941.

DUO-HALER

FOR NASAL MEDICINE FOR NASAL ADMINISTRATION USED IN THE RELIEF OF NASAL CONGESTION, HAY FEVER, ASTHMA, CATARRH, AND SINUS HEADACHES.
Claims use since July 1, 1940.

Ser. No. 440,602. MERZ & CO. CHEMICAL WORKS, INC., East Orange, N. J. Filed Feb. 15, 1941.

Alpaka

FOR CHEMICAL COMPOUND CONTAINING LIQUID ALUMINUM ACETO-TARTRATE USED AS AN ASTRINGENT AND ANTIPHLOGISTIC AGENT IN MEDICINAL PREPARATIONS.
Claims use since Oct. 22, 1931.

Ser. No. 441,015. THE CURRAN CORPORATION, Malden, Mass. Filed Feb. 26, 1941.

HYDRO-SEAL

FOR DECARBONIZING AND DEGUMMING LIQUID DETERGENT OR CLEANING COMPOUND USED FOR CLEANING OR PURGING INTERNAL COMBUSTION ENGINES, INCLUDING THE INTERNAL PARTS OR INSIDE SURFACES OF AUTOMOTIVE AND DIESEL ENGINES.
Claims use since November, 1939.

Ser. No. 441,112. ARTHUR E. SMITH, Los Angeles, Calif. Filed Feb. 28, 1941.

Conducto

FOR LOCAL ANESTHETIZING, NERVE BLOCKING TABLETS, LOCAL ANESTHETIZING, NERVE BLOCKING POWDERS, LOCAL ANESTHETIZING, NERVE BLOCKING SOLUTIONS, ANESTHETIC TABLETS, ANESTHETIC POWDERS, ANESTHETIC SOLUTIONS AND MEDICINAL OINTMENT USED AS A SURGICAL DRESSING AND INTRODUCED INTO TEETH SOCKETS AFTER EXTRACTIONS AND ALSO USED FOR TREATING WOUNDS AND SKIN DISEASES.
Claims use since August, 1915.

Ser. No. 441,553. E. R. SQUIBB & SONS, New York, N. Y. Filed Mar. 14, 1941.

SYNTHEPLEX-B

No claim is made to the vitamin designation "B" except as part of the mark shown.
FOR VITAMINIC PREPARATIONS.
Claims use since Mar. 3, 1941.

Ser. No. 441,769. THE HARROWER LABORATORY, INC., Glendale, Calif. Filed Mar. 21, 1941.

MENESTRIN

FOR PREPARATION CONSISTING OF ENDOTHYRIN (THYROID IODINE 0.62 PER CENT) GR. 1/2; ESTROGENIC SUBSTANCE 250 I. U.; ANTERIOR PITUITARY (N. F. VI) GR. 1/4; OVARIAN RESIDUE (N. F. VI) GR. 3; EXCIPIENT Q. S. FOR THERAPEUTIC USE IN MENSTRUAL DISTURBANCES.
Claims use since Feb. 7, 1941.

Ser. No. 441,791. E. R. SQUIBB & SONS, New York, N. Y. Filed Mar. 21, 1941.

STILBIOTIN

FOR ESTROGENIC PREPARATIONS AND PREPARATIONS CONTAINING AN ESTROGENIC SUBSTANCE.
Claims use since Mar. 12, 1941.

Ser. No. 441,950. DELETTREZ, INC., Long Island City, N. Y. Filed Mar. 26, 1941.

AWAKE

FOR PERFUME.
Claims use since Mar. 18, 1941.

Ser. No. 441,951. DELETTREZ, INC., Long Island City, N. Y. Filed Mar. 26, 1941.

MOONLIGHT & LACE

FOR PERFUME.
Claims use since Mar. 18, 1941.

Ser. No. 441,952. DELETTREZ, INC., Long Island City, N. Y. Filed Mar. 26, 1941.

ONE NIGHT

FOR PERFUME.
Claims use since Mar. 18, 1941.

Ser. No. 441,953. DELETTREZ, INC., Long Island City, N. Y. Filed Mar. 26, 1941.

STORM

FOR PERFUME.
Claims use since Mar. 18, 1941.

Ser. No. 441,954. DELETTREZ, INC., Long Island City, N. Y. Filed Mar. 26, 1941.

TOGETHER

FOR PERFUME.
Claims use since Mar. 18, 1941.

Ser. No. 441,974. MEM INCORPORATED, New York, N. Y. Filed Mar. 26, 1941.

citrange

FOR EAU DE COLOGNE AND TOILET WATER.
Claims use since May, 1932.

Ser. No. 441,976. MEM INCORPORATED, New York, N. Y. Filed Mar. 26, 1941.

Quinar

FOR HAIR DRESSING AND HAIR TONICS.
Claims use since 1920.

Ser. No. 442,075. REJUVIA BEAUTY LABORATORIES, INC., New York, N. Y. Filed Mar. 29, 1941.

Pinwheel

FOR LIPSTICK, FACE POWDER, ROUGE, FACE CREAM, COLD CREAM, AND FACE LOTION.
Claims use since Mar. 26, 1941.

Ser. No. 442,082. ALBERT H. ZASTROW, Grants Pass, Oreg. Filed Mar. 29, 1941.

SCALPREP

FOR LIQUID PREPARATION FOR DANDRUFF SCALP SCALE, AND ITCHY SCALP.
Claims use since Mar. 11, 1941.

Ser. No. 442,087. ABBOTT LABORATORIES, North Chicago, Ill. Filed Mar. 31, 1941.

SURPLEX

FOR VITAMIN PREPARATION.
Claims use since Mar. 21, 1941.

CLASS 7
CORDAGE

Ser. No. 429,015. UNITED CO-OPERATIVES, INC., Indianapolis, Ind. Filed Feb. 28, 1940.

QUALITY UNICO PRODUCTS

"Quality Products" is disclaimed except as part of the mark as shown.
FOR BINDER TWINE.
Claims use since Nov. 15, 1939.

Ser. No. 432,216. JOHN H. GRAHAM & CO. INC., New York, N. Y. Filed May 22, 1940.



CORD COIL

Applicant disclaims the words "Cord Coil" apart from the mark.
FOR BRAIDED AND TWISTED COTTON CORDAGE FOR USE WITH VENETIAN BLINDS, AS SASH CORDS, MASON LINES, CHALK LINES, AND FOR SHADES.
Claims use since Mar. 28, 1940.

CLASS 12
CONSTRUCTION MATERIALS

Ser. No. 434,513. ATLANTIC ASPHALT & ASBESTOS, INC., Stratford, Conn. Filed July 31, 1940.

TRIPLE AAA

FOR ROOFING AND SIDING PRODUCTS MADE PREFERABLY OF ASPHALT AND/OR ASBESTOS OR LIKE MATERIAL.
Claims use since July 1, 1940.

Ser. No. 439,686. BRANTFORD ROOFING COMPANY, LIMITED, Brantford, Ontario, Canada. Filed Jan. 15, 1941.

BRA-ROC AGGREGATE

Applicant disclaims the words "Roc" and "Aggregate" apart from the mark.
FOR SURFACE FINISHING MATERIALS FOR CEMENT, STONE, OR MASTIC FLOOR COVERINGS.
Claims use since Feb. 1, 1934.

Ser. No. 440,167. KERLOW STEEL FLOORING COMPANY, Jersey City, N. J. Filed Jan. 31, 1941.

KERLOW

FOR VENTILATOR GRATINGS, STEPS, WALKWAYS, BRIDGE FLOORS, AND MISCELLANEOUS GRATING PRODUCTS.
Claims use since Jan. 17, 1941.

Ser. No. 440,280. THE CALCIBRITE CORPORATION, Pawtucket, R. I. Filed Feb. 4, 1941.

CALCIBRITE

FOR BUILDING CEMENT.
Claims use since Nov. 8, 1939.

Ser. No. 440,632. CHARLES A. MEADE, Poughkeepsie, N. Y. Filed Feb. 13, 1941.

HOLOBOND

FOR BUILDING UNIT—NAMELY, BRICK, BLOCK, HOLLOW TILE, OR THE LIKE FOR BUILDING CONSTRUCTION.
Claims use since Dec. 1, 1940.

Ser. No. 440,682. THE EASTERN MALLEABLE IRON COMPANY, Naugatuck, Conn. Filed Feb. 15, 1941.



No claim is made for the word "Safe" or for the representation of the goods apart from the mark.
FOR NON-SKID METAL ARTICLES—NAMELY, STEPS.
Claims use since Jan. 17, 1941.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 441,512. INTERNATIONAL SMELTING AND REFINING COMPANY, Perth Amboy, N. J. Filed Mar. 13, 1941.

I L R

FOR REFINED LEAD IN PIGS OR BLOCKS, ANTIMONIAL LEAD PIGS, CAULKING LEAD PIGS, AND LEAD ALLOY PIGS.
Claims use since Jan. 8, 1935.

CLASS 15

OILS AND GREASES

Ser. No. 439,626. PATHFINDER PETROLEUM COMPANY, Los Angeles, Calif. Filed Jan. 13, 1941.

PATHFINDER

FOR GASOLINE.
Claims use since Dec. 1, 1939.

Ser. No. 439,628. PATHFINDER PETROLEUM COMPANY, Los Angeles, Calif. Filed Jan. 13, 1941.

SCOUT

FOR GASOLINE.
Claims use since Dec. 1, 1939.

Ser. No. 439,629. PATHFINDER PETROLEUM COMPANY, Los Angeles, Calif. Filed Jan. 13, 1941.



The figure is fanciful.
FOR GASOLINE.
Claims use since Dec. 1, 1939.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 441,119. AMERICAN MINERAL SPIRITS COMPANY, Chicago, Ill. Filed Mar. 1, 1941.

AMSCO-SOLV

FOR LIQUID SOLVENT OF PETROLEUM ORIGIN AND OF HIGH AROMATICITY FOR USE IN VARNISH, PAINT, AND LACQUER.
Claims use since Feb. 7, 1941.

Ser. No. 441,617. METALS DISINTEGRATING COMPANY, INC., Union, N. J. Filed Mar. 17, 1941. Under 10-year proviso.

AMERICAN

FOR FLAKED DISINTEGRATED METAL USED AS PAINT INGREDIENT, PARTICULARLY AS PAINT PIGMENTS.
Claims use since 1873.

Ser. No. 441,618. METALS DISINTEGRATING COMPANY, INC., Union, N. J. Filed Mar. 17, 1941.



FOR FLAKED DISINTEGRATED METAL USED AS PAINT INGREDIENT, PARTICULARLY AS PAINT PIGMENTS.
Claims use since Oct. 4, 1940.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 441,342. FRITZ S. BAER, doing business as F. S. Baer Co., Los Angeles, Calif. Filed Mar. 8, 1941.

TUFUMA

FOR CIGARS, CIGARETTES, SMOKING TOBACCO, AND CHEWING TOBACCO.
Claims use since Feb. 20, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 416,372. DIFFERENTIAL WHEEL CORPORATION, Detroit, Mich. Filed Feb. 24, 1939.

DIFFERENTIAL WHEELS

The notation "Differential wheels" is disclaimed apart from the mark.
FOR VEHICLE WHEELS, PARTICULARLY INDEPENDENTLY ROTATABLE DUAL WHEELS.
Claims use since Feb. 6, 1939.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 429,298. DYER WELDER & ENGINEERING CO., Kansas City, Mo. Filed Mar. 7, 1940.

FOR ELECTRIC WELDING EQUIPMENT.
Claims use since October, 1939.

Ser. No. 439,149. ANACONDA WIRE & CABLE COMPANY, New York, N. Y. Filed Dec. 24, 1940.

DURA-LINE

FOR INSULATED ELECTRICAL WIRE AND CABLE.
Claims use since Nov. 21, 1938.

Ser. No. 440,255. ARTHUR L. KUHLMAN, Ann Arbor, Mich. Filed Feb. 3, 1941.

ZIPPER

FOR ELECTRICAL PLUGS AND SOCKETS.
Claims use since Dec. 27, 1940.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 441,045. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Feb. 27, 1941.

TILLICUM

FOR WOODEN TOYS—NAMELY BOATS, BOATHOUSES, SLIPS, BUOYS, DOCKS, AND LIGHTHOUSES.
Claims use since Jan. 10, 1936.

Ser. No. 441,511. THE INSEL COMPANY, Arlington, N. J. Filed Mar. 13, 1941.

KLINGIT TOY

The word "Toy" is disclaimed apart from the mark.
FOR INTERFITTING CONSTRUCTION TOYS.
Claims use since Mar. 1, 1941.

Ser. No. 441,603. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Mar. 17, 1941.

"20-45"

FOR TABLE GAME.
Claims use since Oct. 28, 1940.

CLASS 23

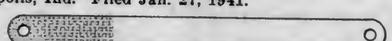
CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 430,785. LUBER-FINER, INC., Los Angeles, Calif. Filed Apr. 15, 1940.

Dieselpak

FOR REPLACEMENT UNITS FOR OIL REFINING DEVICES FOR DIESEL ENGINES.
Claims use since Mar. 27, 1940.

Ser. No. 439,984. E. C. ATKINS AND COMPANY, Indianapolis, Ind. Filed Jan. 27, 1941.



The mark consists of a yellow colored band, relatively narrow, at one end of the saw blade. No claim is made to the representation of a hack saw blade.
FOR HACK SAW BLADES.
Claims use since May 20, 1937.

Ser. No. 440,102. SPIR-IT, INC., Malden, Mass. Filed Jan. 29, 1941.

COLDRINK

FOR NON-METALLIC SPOONS.
Claims use since Jan. 3, 1941.

Ser. No. 440,253. ADOLPH KASTOR & BROS., INC., New York, N. Y. Filed Feb. 3, 1941.

CLOVER

FOR POCKET KNIVES, HUNTING KNIVES, AND KITCHEN KNIVES, MADE OF BASE METAL.
Claims use since Jan. 24, 1941.

Ser. No. 440,293. SACO-LOWELL SHOPS, Boston, Mass. Filed Feb. 4, 1941.



FOR TEXTILE MACHINERY AND PARTS THEREOF INCLUDING BALE BREAKERS, OPENERS, AUTOMATIC FEEDERS, LAPPERS, COTTON PICKERS, SHODDY PICKERS, COTTON CONVEYORS, COTTON DISTRIBUTORS, FEED REGULATORS, TEXTILE CONDENSERS, CARDING MACHINERY, CARD STRIPPERS, LAP WINDERS, DRAWING FRAMES, EVENER MECHANISMS, WASTE MACHINERY, ROVING MACHINERY, DRAWING FRAMES, SPINNING FRAMES, TWISTERS, SPOOLERS, WARPERS, SLASHERS, AND SIZING SYSTEMS.
Claims use since 1915.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 434,249. THE PROSPERITY COMPANY, INC., Syracuse, N. Y. Filed July 23, 1940.

PROSPERITY

FOR HYDRO EXTRACTORS AS CENTRIFUGAL LAUNDRY EXTRACTORS.
Claims use since 1915.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 436,139. POLARIZED MATERIALS CORPORATION, New York, N. Y. Filed Sept. 19, 1940.

Pola-Vue

Applicant disclaims the word "Pola" apart from the mark.
FOR SUN GOGGLES.
Claims use since Sept. 16, 1940.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 439,394. NATIONAL SILVER COMPANY, New York, N. Y. Filed Jan. 3, 1941.

DEL CORONADO

FOR POTTERY COOKING AND TABLE WARE.
Claims use since Mar. 1, 1939.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 441,124. CAVALIER CORPORATION, Chattanooga, Tenn. Filed Mar. 1, 1941.

STOW-AWAY

FOR CONSOLES.
Claims use since Feb. 27, 1941.

Ser. No. 441,126. CAVALIER CORPORATION, Chattanooga, Tenn. Filed Mar. 1, 1941.

AROMA-FLOW

The word "Aroma" is claimed only in the association shown.
FOR CONSOLES.
Claims use since Feb. 27, 1941.

Ser. No. 441,260. THE SHOTT MANUFACTURING COMPANY, Cincinnati, Ohio. Filed Mar. 5, 1941.

GLIDETTE

FOR OUTDOOR FURNITURE, SPECIFICALLY GLIDERS.
Claims use since Feb. 20, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 438,452. RAY OIL BURNER CO., San Francisco, Calif. Filed Dec. 2, 1940.

AUTOMATIC ENGINEER

The word "Automatic" is disclaimed apart from the mark.
FOR OIL BURNERS.
Claims use since July 12, 1940.

Ser. No. 440,158. FRICK COMPANY, Waynesboro, Pa. Filed Jan. 31, 1941. Under section 5b of the Act of 1905, as amended in 1920.

FRICK

FOR UNIT AIR CONDITIONERS.
Claims use since Aug. 4, 1938.

Ser. No. 440,427. RUSSELL ELECTRIC COMPANY, Chicago, Ill. Filed Feb. 7, 1941.

TELEFAN

FOR FANS AND FAN AIR CIRCULATORS.
Claims use since June 4, 1938.

Ser. No. 440,703. THE MILLER COMPANY, Meriden, Conn. Filed Feb. 15, 1941.

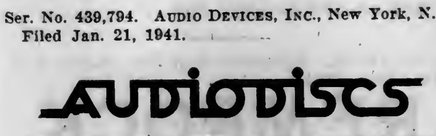
PANELEX

FOR GLASS AND COMBINATION GLASS AND METAL GLOBES AND REFLECTORS.
Claims use since Apr. 1, 1913.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 438,488. METROPOLITAN MUSIC CO., New York, N. Y. Filed Dec. 3, 1940.



The mark is a facsimile of the signature of John Juzek, brother of the applicant firm members.
FOR VIOLINS, VIOLAS, CELLOS, BASSES, ACCORDIONS, PIANO ACCORDIONS, MOUTH HARMONICAS, MOUTH ORGANS, STRINGS FOR VIOLINS, MANDOLINS, GUITARS, TENOR BANJOS, ZITHERS, AND UKULELES; DOUBLE BASSES, MANDOLINS, BANJO MANDOLINS, UKULELES, BANJO UKULELES, TENOR UKULELES, TIPLES, BANJOS, TENOR BANJOS, GUITARS, TENOR GUITARS, MEGAPHONES, ZITHERS, LUTES, LUTE-MANDOLINS, FLUTES, DRUMS; BOWS FOR VIOLINS, CELLOS, BASSES, AND VIOLAS; CHINRESTS FOR VIOLINS AND VIOLAS; BRIDGES FOR VIOLINS, CELLOS, BASSES, AND VIOLAS; PEGS FOR VIOLINS, CELLOS, BASSES, AND VIOLAS; TUNING PIPES FOR VIOLINS, CELLOS, BASSES, AND VIOLAS; TAILPIECES FOR VIOLINS, CELLOS, BASSES, AND VIOLAS; BOW HAIR FOR VIOLINS, CELLOS, BASSES, AND VIOLAS; MUSIC STANDS, TRUMPETS, CORNETS, TROMBONES, SAXOPHONES, CIRCULAR ALTOS, UPRIGHT ALTOS, OBOES, CLARINETS, SOUSAPHONES, BASSOONS, BUGLES, FIFES, FRENCH HORNS, OCARINAS, PICCOLOS, CYMBALS, XYLOPHONES, MOUTHPIECES, REEDS, AND MUTES.
Claims use since June, 1921.

Ser. No. 439,792. AUDIO DEVICES, INC., New York, N. Y. Filed Jan. 21, 1941.

audiodiscs

FOR INSTANTANEOUS SOUND RECORDING BLANKS.
Claims use since December, 1939.

Ser. No. 439,794. AUDIO DEVICES, INC., New York, N. Y. Filed Jan. 21, 1941.

AUDIODISCS

FOR INSTANTANEOUS SOUND RECORDING BLANKS.
Claims use since December, 1939.

CLASS 37

PAPER AND STATIONERY

Ser. No. 440,065. STATLER TISSUE CO., Somerville, Mass. Filed Jan. 28, 1941.

JUMBO-ROL

No claim is made to the word "Rol" apart from the mark.
FOR PAPER TOWELS.
Claims use since November, 1940.

Ser. No. 440,278. JOSEPH BERG, New York, N. Y. Filed Feb. 4, 1941.

ROTO RING

The word "Ring" is disclaimed apart from the mark.
FOR CHECK BOOKS, ACCOUNT BOOKS, ENTRY BOOKS, AND BINDERS.
Claims use since Nov. 16, 1938.

Ser. No. 440,916. CROWN ZELLERBACH CORPORATION, San Francisco, Calif. Filed Feb. 24, 1941.

SHAMMY

FOR TOILET TISSUE AND PAPER TOWELS.
Claims use since Mar. 13, 1923.

Ser. No. 441,369. REMINGTON RAND INC., Buffalo, N. Y. Filed Mar. 8, 1941.

REMCRAFT

FOR FILE FOLDERS.
Claims use since September, 1930.

Ser. No. 441,370. REMINGTON RAND INC., Buffalo, N. Y. Filed Mar. 8, 1941.

REMGRADE

FOR FILE FOLDERS.
Claims use since September, 1930.

Ser. No. 441,372. REMINGTON RAND INC., Buffalo, N. Y. Filed Mar. 8, 1941.

REMROCK

FOR FILE FOLDERS.
Claims use since March, 1933.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 436,511. HARRY HENRY, Chicago, Ill. Filed Sept. 30, 1940.

Collecto

FOR COUPONS.
Claims use since Sept. 23, 1940.

Ser. No. 439,910. HOWARD D. STEWART, New York, N. Y. Filed Jan. 23, 1941.

Fathers' Magazine

Applicant disclaims the word "Magazine" apart from the mark.
FOR MAGAZINE PUBLISHED MONTHLY.
Claims use since Jan. 2, 1941.

Ser. No. 440,483. JAMES HARRY YOUNG, Alameda, Calif. Filed Feb. 8, 1941.

The Hired man

FOR EDITORIALS APPEARING IN A DAILY NEWSPAPER.
Claims use since June 20, 1936.

Ser. No. 440,484. JAMES HARRY YOUNG, Alameda, Calif. Filed Feb. 8, 1941.



FOR EDITORIALS APPEARING IN A DAILY NEWSPAPER.
Claims use since June 20, 1936.

Ser. No. 440,595. INDEPENDENT DIRECTORY CORP., Chicago, Ill. Filed Feb. 12, 1941.

"The Independent Directory"

No claim is made to the word "Directory" apart from the mark.
FOR BUSINESS AND INDUSTRIAL BUYERS' GUIDE CLASSIFIED TELEPHONE DIRECTORY.
Claims use since January, 1935.

Ser. No. 440,831. SAMUEL A. PHILLIPS, doing business as Business Promotion Service, Morgantown, W. Va. Filed Feb. 20, 1941.

PROTECTAWARD

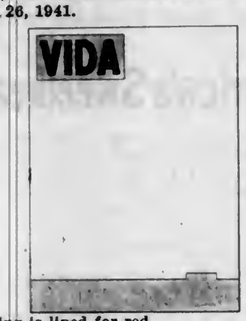
FOR TRADING CERTIFICATES.
Claims use since February, 1936.

Ser. No. 441,000. THE SPORTING NEWS PUBLISHING COMPANY, doing business as Charles C. Spink & Son, St. Louis, Mo. Filed Feb. 26, 1941.

"MEET THE MISSUS"

FOR NEWSPAPER COLUMN.
Claims use since May 4, 1939.

Ser. No. 441,003. TIME, INCORPORATED, New York, N. Y. Filed Feb. 26, 1941.



The drawing is lined for red.
FOR WEEKLY MAGAZINE.
Claims use since Feb. 12, 1941.

Ser. No. 441,066. WHITE & WYCKOFF MFG. CO., Holyoke, Mass. Filed Feb. 27, 1941.

"NORTHERN LIGHTS"

FOR GREETING CARDS.
Claims use since Dec. 30, 1940.

Ser. No. 441,278. THE BUCKEYE BREWING COMPANY, Toledo, Ohio. Filed Mar. 6, 1941.

THOSE GOOD OLD DAYS

FOR COMIC STRIP.
Claims use since Jan. 30, 1941.

CLASS 39

CLOTHING

Ser. No. 428,386. FRANKLIN SIMON & CO. INC., New York, N. Y. Filed Feb. 9, 1940.

parfait de nise

The word "Parfait" is disclaimed apart from the mark.
FOR WOMEN'S AND MISSES' SHOES MADE OF LEATHER, RUBBER, OR FABRIC, OR OF COMBINATIONS OF SAID MATERIALS.
Claims use since Jan. 15, 1940.

Ser. No. 428,807. FRANKLIN SIMON & CO. INC., New York, N. Y. Filed Feb. 23, 1940.

parfait debs

The word "Parfait" is disclaimed apart from the mark.
FOR WOMEN'S AND MISSES' SHOES MADE OF LEATHER, RUBBER, OR FABRIC, OR OF COMBINATIONS OF SAID MATERIALS.
Claims use since Dec. 27, 1939.

Ser. No. 434,209. FALCON SHOE COMPANY, St. Louis, Mo. Filed July 22, 1940.



FOR SHOES MANUFACTURED IN BOTH LEATHER AND FABRICS.
Claims use since Jan. 1, 1940.

Ser. No. 434,398. JOSEPH FELDMAN, doing business as Scher & Feldman, New York, N. Y. Filed July 27, 1940.



The drawing is lined for red. The word "Fashion" is disclaimed apart from the mark.
FOR INFANTS', CHILDREN'S, AND JUNIORS' COATS.
Claims use since March, 1940.

Ser. No. 435,233. BAKER CLOTHES, INC., Philadelphia, Pa. Filed Aug. 22, 1940.

Flanimede

FOR MEN'S SUITS AND MEN'S OVERCOATS.
Claims use since Aug. 13, 1940.

Ser. No. 437,218. KATHLEEN QUINN GARMENT COMPANY, Ogden, Utah. Filed Oct. 23, 1940.

Openette

FOR WOMEN'S DRESSES AND APRONS.
Claims use since Sept. 16, 1940.

Ser. No. 438,639. B. ALTMAN & Co., New York, N. Y. Filed Dec. 9, 1940.

BALTA

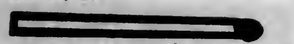
FOR BLOUSES AND DRESSES INTENDED FOR WEAR BY WOMEN AND CHILDREN; OUTER SHIRTS, SUITS, AND HATS INTENDED FOR WEAR BY MEN, WOMEN, AND CHILDREN; SHOES, BOOTS, AND SLIPPERS, FOR EITHER SEX, MADE WHOLLY OR IN PART OF LEATHER, SILK, WOOLEN, COTTON, OR METAL FABRICS, OR COMBINATIONS THEREOF; NECKTIES, PAJAMAS, BATHING SUITS, SWEATERS, OVERALLS, UNDERWEAR, HOSIERY, AND GLOVES, MADE IN WHOLE OR IN PART OF LEATHER AND/OR FABRIC.
Claims use since Dec. 3, 1913.

Ser. No. 439,547. LEE KNITWEAR CORP., New York, N. Y. Filed Jan. 10, 1941.



The word "Weave" is disclaimed apart from the mark.
FOR SWIMSUITS, PLAYSUITS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Dec. 3, 1940.

Ser. No. 439,841. JACOB SIEGEL COMPANY, Philadelphia, Pa. Filed Jan. 21, 1941.



The mark consists of the representation of a matchstick.
FOR MEN'S OVERCOATS.
Claims use since Nov. 1, 1940.

Ser. No. 439,908. SHIPMAN & BAKER CO., New York, N. Y. Filed Jan. 23, 1941.

Seashell

FOR MISSES' AND JUNIOR COATS AND SUITS.
Claims use since Dec. 1, 1940.

Ser. No. 440,285. MORTON ETELSON, New York, N. Y. Filed Feb. 4, 1941.

Shado-Tone

NATURAL NUTRIA

Applicant disclaims the words "Tone" and "Natural Nutria" apart from the mark.
FOR WOMEN'S COATS, JACKETS, MUFFS, AND MADE-UP FUR COLLARS AND CUFFS.
Claims use since Jan. 30, 1941.

Ser. No. 440,334. GEORGE KATEB, INC., New York, N. Y. Filed Feb. 5, 1941.

America's Sweetheart

The word "America's" is disclaimed except as shown.
FOR LADIES' AND MISSES' NEGLIGEES, HOSTESS COATS, HOUSE COATS, LOUNGING ROBES, BATHROBES, DRESSES, HOODS, AND CAPES.
Claims use since Aug. 1, 1939.

Ser. No. 440,370. FORT SCHUYLER KNITTING COMPANY, Utica, N. Y. Filed Feb. 6, 1941.

FEATHER BEDS

FOR MEN'S, WOMEN'S, AND CHILDREN'S KNITTED PAJAMAS AND MEN'S, WOMEN'S, AND CHILDREN'S KNITTED SLEEPING GARMENTS.
Claims use since Jan. 13, 1941.

Ser. No. 440,467. MIDWEST KNIT GOODS COMPANY, Chicago, Ill. Filed Feb. 8, 1941.

Dorall

FOR WOMEN'S AND MISSES' SPORTSWEAR—NAMELY, SHIRTS, BLOUSES, SLACKS, JACKETS, SUITS, SHORTS, DRESSES, SWEATERS, AND SKIRTS.
Claims use since Nov. 20, 1940.

Ser. No. 440,476. JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed Feb. 8, 1941.

STETSON

DOWN-A-ROUND

Applicant is owner of T. M. Reg. No. 51,990 (renewed) for the word "Stetson," effected under the 10-year proviso.
FOR HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Feb. 5, 1941.

Ser. No. 440,517. MADISON SPORTSWEAR, INC., Boston, Mass., and New York, N. Y. Filed Feb. 10, 1941.



The word "Plaid" is disclaimed apart from the mark.
FOR LADIES' SKIRTS.
Claims use since July 1, 1940.

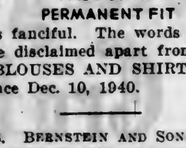
Ser. No. 440,535. BERNSTEIN & SONS SHIRT CORPORATION, New York, N. Y. Filed Feb. 11, 1941.



FAST COLOR
PERMANENT FIT

The picture is fanciful. The words "Fast Color, Permanent Fit" are disclaimed apart from the mark.
FOR BOYS' BLOUSES AND SHIRTS.
Claims use since Dec. 10, 1940.

Ser. No. 440,536. BERNSTEIN AND SONS SHIRT CORPORATION, New York, N. Y. Filed Feb. 11, 1941.



FAST COLOR
PERMANENT FIT

The picture is fanciful. The words "Fast Color, Permanent Fit" are disclaimed apart from the mark.
FOR BOYS' BLOUSES AND SHIRTS.
Claims use since Dec. 10, 1940.

Ser. No. 440,588. GLOVECRAFT, INC., Johnstown, N. Y. Filed Feb. 12, 1941.

"Broadside"

FOR GLOVES MADE OF LEATHER AND/OR FABRIC.
Claims use since Jan. 10, 1940.

Ser. No. 440,597. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Feb. 12, 1941.

ESSEX

S-X

No claim is made to the word "Essex" apart from the mark.
FOR HOSIERY.
Claims use since Jan. 1, 1911.

Ser. No. 440,598. INTERWOVEN STOCKING COMPANY, New Brunswick, N. J. Filed Feb. 12, 1941.



No claim is made to the word "Essex" apart from the mark.
FOR HOSIERY.
Claims use since May, 1939.

Ser. No. 440,654. IMPERIAL HOSIERY CO., Pittsburgh, Pa. Filed Feb. 14, 1941.

NYLIFE

FOR MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY AND BATHING SUITS.
Claims use since Jan. 2, 1940.

Ser. No. 440,786. THE MAY DEPARTMENT STORES COMPANY, Baltimore, Md., Cleveland, Ohio, Los Angeles, Calif., and Denver, Colo., doing business as Famous-Barr Company, St. Louis, Mo., and as The M. O'Neil Co., Akron, Ohio. Filed Feb. 19, 1941.

May Louise

FOR LADIES' GLOVES MADE OF LEATHER AND FABRIC.
Claims use since Feb. 2, 1941.

Ser. No. 440,859. HARVEY BROTHERS, Chicago, Ill. Filed Feb. 21, 1941.



The words "Trade Mark" are disclaimed.
FOR MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, TOPCOATS, OVERCOATS, AND TROUSERS.
Claims use since Oct. 1, 1940.

Ser. No. 440,918. DAVID CRYSTAL, INC., New York, N. Y. Filed Feb. 24, 1941.

SUNSPREE

FOR LADIES' AND MISSES' DRESSES AND DRESS ENSEMBLES CONSISTING OF A DRESS AND A COAT.
Claims use since November, 1940.

Ser. No. 440,964. SOLO PRODUCTS CORPORATION, New York, N. Y. Filed Feb. 24, 1941.

Betty Bob

FOR HAIR NETS.
Claims use since Dec. 10, 1936.

Ser. No. 440,965. A. STEIN & COMPANY, Chicago, Ill. Filed Feb. 24, 1941.

Perma-lift

No claim is made to the word "Lift" per se.
FOR BRASSIÈRES AND FOUNDATION GARMENTS.
Claims use since Jan. 3, 1941.

Ser. No. 440,990. THE LA RESISTA CORSET COMPANY, Bridgeport, Conn. Filed Feb. 25, 1941.

BIASED POWER

No claim is made to the word "Biased" apart from the mark.
FOR CORSETS, GIRDLES AND COMBINATION FOUNDATION UNDERGARMENTS COMPRISING COMBINATION OF TWO OR MORE OF THE FOLLOWING: BRASSIÈRE OR BANDEAU, GIRDLE, CORSET, OR CORSELET AND SKIRT, UNDERDRAWERS OR BLOOMERS.
Claims use since Jan. 20, 1941.

Ser. No. 441,054. JOSEPH LEVAY, INC., New York, N. Y. Filed Feb. 27, 1941.

RUNAWAY

FOR WOMEN'S AND MISSES' DRESSES, SKIRTS, COATS, AND SUITS.
Claims use since Sept. 12, 1940.

Ser. No. 441,153. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Mar. 3, 1941.

C.M.O.'S
DELVAINS

FOR SHOES FOR MEN, WOMEN, AND CHILDREN, MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since Nov. 4, 1940.

Ser. No. 441,154. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Mar. 3, 1941.

FORDHAMS

FOR SHOES FOR MEN, WOMEN, AND CHILDREN, MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since Nov. 15, 1940.

Ser. No. 441,195. FRANK H. COHEN, New York, N. Y. Filed Mar. 4, 1941.

College Craft

FOR MEN'S, YOUNG MEN'S, AND BOYS' SUITS, OVERCOATS, TOPCOATS, RAINCOATS, SPORTCOATS, SPORT JACKETS, DRESS JACKETS, MACKINAWS, TROUSERS, HATS, SPORT SHIRTS, DRESS SHIRTS, HANDKERCHIEFS, SOCKS, SWEATERS, SCARFS, AND NECKTIES.
Claims use since Aug. 30, 1939.

Ser. No. 441,240. EDMONT MANUFACTURING CO., Coshocton, Ohio. Filed Mar. 5, 1941.

HANDY-MAN

FOR MEN'S GLOVES MADE OF RUBBER AND FABRIC.
Claims use since December, 1939.

Ser. No. 441,385. BOND STORES, INCORPORATED, New York, N. Y. Filed Mar. 10, 1941.

HARMONY-THREE

FOR MEN'S AND BOYS' TOPCOATS, OVERCOATS, SUITS, TROUSERS, RAINCOATS, SPORTCOATS, MACKINAWS, LEATHER JACKETS, SPORT SHIRTS, DRESS SHIRTS, UNDERWEAR, PAJAMAS, HANDKERCHIEFS, SOCKS, SWEATERS, NECKTIES AND SCARFS.
Claims use since Mar. 6, 1941.

Ser. No. 441,446. RALEIGH HABERDASHER, Washington, D. C. Filed Mar. 11, 1941.

Lake-Loom

FOR MEN'S SUMMER SUITS.
Claims use since Feb. 17, 1941.

Ser. No. 441,488. ANNA SAAB, New York, N. Y. Filed Mar. 12, 1941.

Blanchmaid

FOR WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR.
Claims use since Feb. 15, 1941.

Ser. No. 441,537. HART, SCHAFFNER & MARX, Chicago, Ill. Filed Mar. 14, 1941.

Pan-Amer

FOR MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES.
Claims use since Feb. 28, 1941.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 441,138. THE NARROW FABRIC COMPANY, West Reading, Pa. Filed Mar. 1, 1941.

Yankee Doodle

FOR SHOE LACES AND MIDDY BLOUSE LACES.
Claims use since Feb. 21, 1941.

Ser. No. 441,140. WILLIAM NETZKY, doing business as Susquehanna Waist Company, Philadelphia, Pa. Filed Mar. 1, 1941.

Gardette

FOR DRESS SHIELDS.
Claims use since Dec. 26, 1935.

Ser. No. 441,205. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Mar. 4, 1941.

DUCHESS

FOR DRESS SHIELDS.
Claims use since Feb. 3, 1941.

Ser. No. 441,351. DIAMOND BRAIDING MILLS INCORPORATED, Chicago Heights, Ill. Filed Mar. 8, 1941.

Duchess

FOR SHOE LACES.
Claims use since August, 1937.

Ser. No. 441,352. DIAMOND BRAIDING MILLS INCORPORATED, Chicago Heights, Ill. Filed Mar. 8, 1941.

Squire

FOR SHOE LACES.
Claims use since January, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 429,712. MOUNT HOPE FINISHING COMPANY, Dighton, Mass. Filed Mar. 18, 1940.

Watatite

FOR FINISHED TEXTILE FABRICS IN THE PIECE COMPOSED OF COTTON, RAYON, OR MIXTURES THEREOF.
Claims use since Feb. 2, 1940.

Ser. No. 430,221. WALTER E. DELLINGER, doing business as Dellinger Spread Company, Rome, Ga. Filed Apr. 1, 1940.

DIXIE-DELL

No claim is made to the word "Dixie" except as shown.
FOR BED SPREADS, BATH MATS AND RUGS.
Claims use since Mar. 1, 1934.

Ser. No. 440,974. ALEO MILLS, INC., New York, N. Y. Filed Feb. 25, 1941.

HELZA POPLIN

Applicant disclaims the word "Poplin" apart from the mark.
FOR COTTON AND/OR RAYON PIECE GOODS.
Claims use since Feb. 19, 1941.

Ser. No. 441,182. J. ROSENHOLZ, INC., New York, N. Y. Filed Mar. 3, 1941.

HORIZON WOVEN STRIPES

Applicant disclaims the words "Woven Stripes" apart from the mark.
FOR PIECE GOODS MADE WHOLLY OR IN PART OF ACETATE, RAYON, SPUN RAYON, AND SILK.
Claims use since Feb. 1, 1940.

Ser. No. 441,336. ALBERT H. VANDAM CO., INC., New York, N. Y. Filed Mar. 7, 1941.

DRYLAN

FOR COTTON PIECE GOODS.
Claims use since Feb. 20, 1939.

Ser. No. 441,420. ALBERT H. VANDAM CO., INC., New York, N. Y. Filed Mar. 10, 1941.

GUARDIAN

FOR COTTON PIECE GOODS.
Claims use since Jan. 15, 1940.

CLASS 43

THREAD AND YARN

Ser. No. 441,273. AMERICAN VISCOSE CORPORATION, Wilmington, Del. Filed Mar. 6, 1941.

TUFTON

FOR YARNS, THREADS, AND YARN AND THREAD FILAMENTS.
Claims use since Feb. 6, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 441,473. J. F. JELENKO & CO. INC., New York, N. Y. Filed Mar. 12, 1941.

SPOTEX

FOR DENTAL IMPRESSION MATERIAL.
Claims use since Jan. 15, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 439,732. WALTER G. STEN, doing business as Granite Beverage Co., New York, N. Y. Filed Jan. 16, 1941.

SIMA



No claim is made to the word "Sima" apart from the mark.
FOR CARBONATED, NONALCOHOLIC, MALTLESS BEVERAGE.
Claims use since May 15, 1940.

Ser. No. 440,628. LIMPERT BROS., INC., Vineland, N. J., and New York, N. Y. Filed Feb. 13, 1941.

"JUST LIKE IT"

FOR NONALCOHOLIC, MALTLESS BEVERAGES AND SYRUPS FOR MAKING THE SAME.
Claims use since Feb. 10, 1941.

Ser. No. 441,192. BLUE SEAL EXTRACT COMPANY, Cambridge, Mass. Filed Mar. 4, 1941.



The representation of the map is disclaimed apart from the mark.
FOR NONALCOHOLIC. MALTLESS, CARBONATED BEVERAGES, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since Dec. 2, 1940.

Ser. No. 441,419. TOWNE TALK COMPANY, Los Angeles, Calif. Filed Mar. 10, 1941.

Towne Pumpe



FOR SYRUPS, EXTRACTS, AND FLAVORS FOR MAKING NONALCOHOLIC BEVERAGES.
Claims use since Jan. 4, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 407,123. BERCUT-RICHARDS PACKING COMPANY, Sacramento, Calif. Filed June 6, 1938.



The drawing is lined for blue and gold. No claim is made to the representation of a label apart from the mark.
FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since October, 1937.

Ser. No. 416,659. SPAULDING BAKERIES, INC., Binghamton, N. Y. Filed Mar. 3, 1939.

Spaulding

FIVE STAR

The word "Spaulding" is disclaimed apart from the mark.
FOR BAKERY PRODUCTS, PARTICULARLY BREAD.
Claims use since Mar. 2, 1939.

Ser. No. 422,984. CAPITOL MILK BARS CORP., New York, N. Y. Filed Aug. 25, 1939.



The term "Milk Bars" is disclaimed apart from the mark.
FOR MILK AND MILK PRODUCTS—NAMELY, BUTTER, CHEESE, CREAM, BUTTERMILK, ACIDOPHILUS MILK, AND ICE CREAM.
Claims use since July 15, 1939.

Ser. No. 426,717. TOM THUMB SHOPS, INC., Washington, D. C. Filed Dec. 18, 1939.

TOM THUMB SHOPS

FOR SANDWICHES.
Claims use since Aug. 5, 1939.

Ser. No. 427,722. WM. G. SCHOLTS, Los Angeles, Calif. Filed Jan. 22, 1940.

PLEX

FOR BREAD, COOKIES, CAKES, DOUGHNUTS, AND CANDY BARS.
Claims use since Oct. 30, 1939.

Ser. No. 432,159. SEYMOUR PACKING COMPANY, Topeka, Kans. Filed May 20, 1940.

CYCLE

FOR POULTRY MASH FEED, AND MIXED POULTRY FEEDS, CHICK FEEDS, CONCENTRATE USED FOR MIXING WITH POULTRY FEEDS, EGG AND GROWING MASH FEEDS, AND FATTENING FEEDS.
Claims use since January, 1940.

Ser. No. 438,912. GEORGE C. TONG, doing business as Veg-O-Sea Products, St. Louis, Mo. Filed Dec. 16, 1940.

Veg-O-Sea

FOR DEHYDRATED EDIBLE SEA VEGETABLES AND DEHYDRATED UNCOOKED VEGETABLES.
Claims use since Nov. 10, 1939.

Ser. No. 439,045. THE GLIDDEN COMPANY, doing business as Durkee Famous Foods, New York, N. Y., Chicago, Ill., Louisville, Ky., and Berkeley, Calif. Filed Dec. 20, 1940.

Dependo

FOR COMPOUND SHORTENING MADE FROM VEGETABLE AND ANIMAL FATS.
Claims use since Apr. 10, 1939.

Ser. No. 439,616. COSMO PACKING COMPANY, INC., New York, N. Y. Filed Jan. 13, 1941.

CHIKET

FOR VEGETABLE SHORTENING USED IN COOKING, FRYING, AND BAKING.
Claims use since Dec. 14, 1940.

Ser. No. 439,664. PRATT FOOD COMPANY, Philadelphia, Pa. Filed Jan. 14, 1941.

VITAL-TRATE.

FOR FEED INGREDIENT OR SUPPLEMENT TO BE USED IN THE MAKING OF HORSE, COW, SHEEP, HOG, DOG, AND POULTRY FEEDS.
Claims use since Jan. 2, 1940.

Ser. No. 439,948. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Jan. 24, 1941.



FOR BREAD.
Claims use since Jan. 14, 1941.

Ser. No. 440,060. SANTA ANA TUSTIN MUTUAL CITRUS ASSN., Tustin, Calif. Filed Jan. 28, 1941.

FLI-HI

FOR FRESH CITRUS FRUIT.
Claims use since Jan. 23, 1941.

Ser. No. 440,088. FREEDA AGAR PRODUCTS, New York, N. Y. Filed Jan. 29, 1941.

NUTRITOSE

FOR CHOCOLATE POWDER USED AS A DIETARY SUPPLEMENT AND NUTRITIVE WITH ADDED MINERALS AND VITAMINS.
Claims use since Dec. 1, 1940.

Ser. No. 440,137. STEIN-HALL MANUFACTURING COMPANY, Chicago, Ill. Filed Jan. 30, 1941.

MEATEX

FOR WHEAT ENDOSPERM, A PURE CEREAL PRODUCT IN GRANULAR FORM USED AS A BINDER INGREDIENT IN PREPARED FOOD SPECIALTIES.
Claims use since Feb. 8, 1940.

Ser. No. 440,264. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Feb. 3, 1941.

ENRICHO

FOR WHEAT FLOUR CONTAINING VITAMINS AND MINERALS AND FOR A CONCENTRATED PREPARATION CONSISTING OF WHEAT FLOUR, VITAMINS, AND MINERALS FOR ADDITION TO OR AS AN INGREDIENT OF FARINACEOUS PRODUCTS AND MIXTURES SUCH AS VARIOUS TYPES OF FLOUR INCLUDING WHEAT FLOUR AND RYE FLOUR, BREADSTUFFS, PASTRIES, PANCAKE FLOUR, DOUGHNUT MIX, SWEET DOUGH MIX, WAFFLE MIX, BISCUIT MIX, AND OTHER SIMILAR PRODUCTS.
Claims use since Jan. 30, 1941.

Ser. No. 440,341. DR. POMELO COMPANY, doing business as Engelman Gardens Association, Edinburg, Tex. Filed Feb. 5, 1941.

DR. POMELO

No claim is made to the word "Pomelo" apart from the mark.
FOR FRESH CITRUS FRUITS AND CITRUS FRUIT JUICES FOR FOOD PURPOSES.
Claims use since Jan. 15, 1937.

Ser. No. 440,554. HEMET MUTUAL GROVES, Hemet, Calif. Filed Feb. 11, 1941.

HEMET PAGEANT

No claim is made to the word "Hemet" apart from the mark.
FOR FRESH CITRUS FRUITS.
Claims use since Jan. 11, 1941.

Ser. No. 440,745. DWINELL-WRIGHT COMPANY, Boston, Mass. Filed Feb. 18, 1941.

White House

Applicant is owner of registrations No. 77,624, Apr. 26, 1910; No. 77,625, Apr. 26, 1910.
FOR SALTED PEANUTS.
Claims use since Dec. 31, 1940.

Ser. No. 440,873. THE NEW ERA MILLING COMPANY, Arkansas City, Kans. Filed Feb. 21, 1941.

GOODWILL FAMILY

FOR SELF-RISING FLOUR.
Claims use since Feb. 1, 1939.

Ser. No. 440,882. SAUKVILLE CANNING CO., Milwaukee and Saukville, Wis. Filed Feb. 21, 1941.

'Way Ahead

FOR CANNED VEGETABLES.
Claims use since 1914.

Ser. No. 440,969. WESTFELDT BROTHERS, New Orleans, La. Filed Feb. 24, 1941.

EMIR

FOR COFFEE.
Claims use since Dec. 11, 1940.

Ser. No. 441,135. CHAS. E. HAZEN, doing business as Hazen Packing Company, Corning, Calif. Filed Mar. 1, 1941.

CENTRA-VAL

FOR CANNED OLIVES.
Claims use since January, 1941.

Ser. No. 441,423. J. ARON & COMPANY, INC., New Orleans, La. Filed Mar. 11, 1941.

PARXEL

FOR COFFEE.
Claims use since Aug. 20, 1939.

CLASS 47

WINES

Ser. No. 440,822. LEROUX AND COMPANY, INC., Philadelphia, Pa. Filed Feb. 20, 1941.

BIENAIME

FOR WINES.
Claims use since Jan. 11, 1941.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 440,553. THE JOSEPH HENSLER BREWING COMPANY, Newark, N. J. Filed Feb. 11, 1941. Under 10-year proviso as to "Hensler's."

HENSLER'S
"DOUBLE HEADER"
POPULAR

Applicant is owner of T. M. Reg. No. 356,620 under the 10-year proviso.
FOR BEER.
Claims use since Feb. 1, 1941.

Ser. No. 441,693. BREWERS SCIENTIFIC LABORATORIES, INC., Rahway, N. J. Filed Mar. 19, 1941.

NUPULON

FOR COMPOUND FOR THE CHILLPROOFING OF BEER AND ALES.
Claims use since December, 1934.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 439,249. DENEBEIN DISTILLING CO., Kansas City, Mo. Filed Dec. 28, 1940.



FOR WHISKEY.
Claims use since Dec. 17, 1940.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 439,970. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn. Filed Jan. 25, 1941.

SCOTCHLITE

FOR LIGHT REFLECTING MATERIAL IN SHEET FORM.
Claims use since Dec. 1, 1939.

Ser. No. 440,829. NATIONAL MATTRESS COMPANY, Huntington, W. Va. Filed Feb. 20, 1941.



The word "Fabric" is disclaimed apart from the mark.
FOR PROCESSED ANTISEPTIC TICKING FOR USE ON FINISHED MATTRESSES.
Claims use since Oct. 15, 1940.

Ser. No. 441,339. CONRAD G. WOELKY, Port Washington, Long Island, N. Y. Filed Mar. 7, 1941.



No claim is made to the words "Shirt Board" and to the representation of the goods apart from the mark.
FOR DISPLAY BOARD FOR STRETCHING SHIRTS.
Claims use since Feb. 11, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 6, 1941

387,122. POLISHES POSSESSING THE INCIDENTAL PROPERTIES OF A CLEANER AND USED FOR POLISHING AUTOMOBILES, ETC. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed July 30, 1936. Serial No. 381,611. PUBLISHED FEBRUARY 25, 1941. Class 16.

387,123. TOILET TISSUE. VELDOWN COMPANY, INC., New York, N. Y., now by change of name Tissue Products Corporation, a corporation of New York, assignor to International Tissue Corp., New York, N. Y., a corporation of New York.
Filed April 13, 1938. Serial No. 405,229. PUBLISHED JULY 26, 1938. Class 37.

387,124. PUBLICATIONS RELATING TO AVIATION AND OUTSTANDING PERSONALITIES THEREIN ISSUED FROM TIME TO TIME. KENNETH E. OLSON, Racine, Wis.
Filed December 29, 1938. Serial No. 414,309. PUBLISHED FEBRUARY 18, 1941. Class 38.

387,125. ROOFING SHINGLES, PARTICULARLY OF ASBESTOS-CEMENT COMPOSITION. THE FLINTKOTE COMPANY, New York, N. Y.
Filed January 16, 1939. Serial No. 414,873. PUBLISHED FEBRUARY 25, 1941. Class 12.

387,126. MACHINES AND IMPLEMENTS FOR BENDING AND CUTTING REINFORCING IRON FOR CONCRETE, INCLUDING HAND SHEARS AND TWISTING TONGS, AND BOARD-CLEANING MACHINES. ANTON WAGENBACH, doing business as Spezial-Maschinenfabrik "Futura" A. Wagenbach & Cie., Wuppertal-Elberfeld, Germany.
Filed July 7, 1939. Serial No. 421,362. PUBLISHED FEBRUARY 25, 1941. Class 23.

387,127. FROZEN CONFECTIONS. BOB JONES, Portland, Oreg., assignor to George W. Weatherly, Portland, Oreg.
Filed July 17, 1939. Serial No. 421,654. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,128. LADIES' HATS. DEE JAY HAT COMPANY, New York, N. Y.
Filed October 2, 1939. Serial No. 424,122. PUBLISHED FEBRUARY 25, 1941. Class 39.

387,129. GASOLINE AND MOTOR FUEL OILS. THE PURE OIL COMPANY, Chicago, Ill.
Filed October 2, 1939. Serial No. 424,148. PUBLISHED FEBRUARY 25, 1941. Class 15.

387,130. WINDOW GUARDS. MARGARET L. ANDERSON, Springfield, Ill.
Filed November 21, 1939. Serial No. 425,874. PUBLISHED FEBRUARY 25, 1941. Class 12.

387,131. CANDY BARS. BREAK ENTERPRISES, INC., New York, N. Y.
Filed December 5, 1939. Serial No. 426,244. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,132. BLANK COUPON BOOKS. RAYMOND H. WEISSKOPF, doing business as O. K. Service Station, Chicago, Ill.
Filed December 8, 1939. Serial No. 426,383. PUBLISHED FEBRUARY 25, 1941. Class 37.

387,133. COATED ABRASIVES. BEHR-MANNING CORPORATION, Troy, N. Y.
Filed December 16, 1939. Serial No. 426,639. PUBLISHED FEBRUARY 25, 1941. Class 4.

387,134. FIBERBOARD USED FOR SOUND DEADENING AND SOUND ABSORBING PURPOSES. THE INSULITE COMPANY, Minneapolis, Minn.
Filed January 22, 1940. Serial No. 427,712. PUBLISHED FEBRUARY 18, 1941. Class 12.

387,135. HOSIERY. FOREST CITY KNITTING COMPANY, Rockford, Ill.
Filed January 31, 1940. Serial No. 428,072. PUBLISHED FEBRUARY 25, 1941. Class 39.

387,136. HEATED FOOD TABLES AND FOOD CONTAINERS THEREFOR. S. BLICKMAN, INC., Weehawken, N. J.
Filed February 24, 1940. Serial No. 428,856. PUBLISHED SEPTEMBER 24, 1940. Class 34.

387,137. EMULSIONS OF ASPHALT, WATER, AND SOAP, ALSO ASPHALT AND A HYDROCARBON MATERIAL SUCH AS GASOLINE AND NAPHTHA, FOR CHEMICALLY TREATING CONCRETE FOR ROAD CONSTRUCTION. THOMPSON MATERIALS CORPORATION, New York, N. Y.
Filed March 8, 1940. Serial No. 429,377. PUBLISHED OCTOBER 29, 1940. Class 12.

387,138. FRESH CITRUS FRUITS; FRESH DECIDUOUS FRUITS; FRESH VEGETABLES; MELONS—NAMELY, WATERMELONS, HONEYDEW MELONS, CASABA MELONS, HONEYBALL MELONS, GLOBO DE OROS, CANTALOUPES; FRESH GRAPES, PINEAPPLES, AND FRESH BERRIES. AMERICAN FRUIT GROWERS INCORPORATED, Wilmington, Del., and Pittsburgh, Pa.
Filed March 27, 1940. Serial No. 430,011. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,139. PREPARATION OF SILICEOUS SAND AND CEMENT FOR SURFACING CONCRETE FLOORS. STEELFORM CONTRACTING COMPANY, San Francisco, Calif.
Filed April 29, 1940. Serial No. 431,381. PUBLISHED JULY 2, 1940. Class 12.

387,140. SEPARABLE FASTENERS OF THE SLIDER CONTROLLED TYPE. LIGHTNING FASTENERS, LIMITED, Birmingham, England.
Filed April 30, 1940. Serial No. 431,419. PUBLISHED FEBRUARY 25, 1941. Class 13.

387,141. SEPARABLE FASTENERS OF THE SLIDER CONTROLLED TYPE. LIGHTNING FASTENERS, LIMITED, Birmingham, England.
Filed April 30, 1940. Serial No. 431,420. PUBLISHED FEBRUARY 25, 1941. Class 13.

387,142. BUILDING TRIM TO BE USED IN INTERIOR FINISHING AND DECORATING. THE B. & T. FLOOR COMPANY, Columbus, Ohio.
Filed May 17, 1940. Serial No. 432,022. PUBLISHED FEBRUARY 25, 1941. Class 12.

387,143. MAGAZINE COLUMN. LANE PUBLISHING CO., San Francisco, Calif.
Filed May 20, 1940. Serial No. 432,138. PUBLISHED FEBRUARY 25, 1941. Class 38.

387,144. MAGAZINE COLUMN. LANE PUBLISHING CO., San Francisco, Calif.
Filed May 20, 1940. Serial No. 432,139. PUBLISHED FEBRUARY 25, 1941. Class 38.

387,145. PREPARED CHOCOLATE POWDER TO BE USED IN THE PREPARATION OF FUDGE ICE CREAM. AMBROSIA CHOCOLATE COMPANY, Milwaukee, Wis.
Filed May 27, 1940. Serial No. 432,368. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,146. CLOCKS. GAFFERS AND SATTLER, Los Angeles, Calif.
Filed July 2, 1940. Serial No. 433,605. PUBLISHED FEBRUARY 25, 1941. Class 27.

387,147. SEAWEED EXTRACTS ADAPTED FOR THICKENING ADHESIVE. ORBIS PRODUCTS CORPORATION, New York, N. Y.
Filed July 9, 1940. Serial No. 433,791. PUBLISHED FEBRUARY 25, 1941. Class 5.

387,148. HAMMERS. VAUGHAN & BUSHNELL MFG. CO., Chicago, Ill.
Filed July 10, 1940. Serial No. 433,841. PUBLISHED FEBRUARY 25, 1941. Class 23.

387,149. CLEANER FOR REMOVING BLEMISHES, WHITE RINGS, SCRATCHES, AND OTHER STAINS AND SURFACE DEFECTS FROM WOOD SURFACES. S. C. JOHNSON & SON, INC., Racine, Wis.
Filed July 22, 1940. Serial No. 434,237. PUBLISHED FEBRUARY 25, 1941. Class 4.

387,150. LIQUID POLISH FOR FINISHING AND COATING FLOORS AND OTHER SURFACES OF WOOD, LINOLEUM, ETC. S. C. JOHNSON & SON, INC., Racine, Wis.
Filed July 22, 1940. Serial No. 434,238. PUBLISHED FEBRUARY 25, 1941. Class 16.

387,151. SERIES OF CARTOONS. TRIBUNE COMPANY, Chicago, Ill.
Filed August 2, 1940. Serial No. 434,616. PUBLISHED FEBRUARY 25, 1941. Class 38.

387,152. SERIES OF CARTOONS. TRIBUNE COMPANY, Chicago, Ill.
Filed August 2, 1940. Serial No. 434,618. PUBLISHED FEBRUARY 25, 1941. Class 38.

387,153. REFINED PETROLEUM OILS FOR LUBRICATING, QUENCHING, TEMPERING, HEAT-TRANSFER, POWER-TRANSFER, AND RUST PREVENTION. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed August 3, 1940. Serial No. 434,674. PUBLISHED FEBRUARY 18, 1941. Class 15.

387,154. EDIBLE GELATIN. A. A. QUALITY PRODUCTS, INC., New York, N. Y.
Filed August 19, 1940. Serial No. 435,109. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,155. MEN'S, WOMEN'S, BOYS' AND GIRLS' CLOTHING—NAMELY, TURBANS, WOMEN'S BLOUSES; MEN'S, WOMEN'S, BOYS' AND GIRLS' SLACK SUITS; MEN'S, WOMEN'S, BOYS' AND GIRLS' POLO SHIRTS, AND MEN'S AND WOMEN'S UNDERWEAR. MOON-GLOW GARMENT CO., Los Angeles, Calif.
Filed August 20, 1940. Serial No. 435,174. PUBLISHED FEBRUARY 25, 1941. Class 39.

387,156. CANDIES. TERRY CANDY COMPANY, INC., Elizabeth, N. J.
Filed September 6, 1940. Serial No. 435,736. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,157. CANNED SEA FOOD PRODUCTS—NAMELY, CANNED ROCK LOBSTER TAILS. BERNARD H. COOLEY, New York, N. Y.
Filed September 12, 1940. Serial No. 435,893. PUBLISHED DECEMBER 17, 1940. Class 46.

387,158. LADIES' AND MISSES' SWEATERS AND PLAYSUITS. IRWILL KNITWEAR CORP., New York, N. Y.
Filed September 14, 1940. Serial No. 435,980. PUBLISHED FEBRUARY 25, 1941. Class 39.

387,159. TRAILER TRUCKS. R. G. LE TOURNEAU, INC., Peoria, Ill., and Stockton, Calif.
Filed September 18, 1940. Serial No. 436,088. PUBLISHED FEBRUARY 25, 1941. Class 19.

387,160. TOOLS AND SETS OF TOOLS AND COMPRISING HAMMERS, SNIPS, PLIERS, SCREW DRIVERS, SCRATCH AWLS, AND CARPENTERS' PINCERS. THE PECK, STOW & WILCOX COMPANY, Southington, Conn.
Filed September 18, 1940. Serial No. 436,094. PUBLISHED FEBRUARY 25, 1941. Class 23.

387,161. TISSUE PAPER, SATURATING PAPER, AND VELLUM PAPER. JOHN A. MANNING PAPER COMPANY, INC., Troy, N. Y.
Filed September 26, 1940. Serial No. 436,395. PUBLISHED FEBRUARY 25, 1941. Class 37.

387,162. STILLS FOR THE DISTILLATION OF PETROLEUM AND OTHER SOLVENTS. UNITED STATES HOFFMAN MACHINERY CORPORATION, New York, N. Y.
Filed September 27, 1940. Serial No. 436,454. PUBLISHED FEBRUARY 25, 1941. Class 23.

387,163. LADIES' HANDBAGS. JOSEPH J. NEWMAN, doing business as Gold Seal Importers, New York, N. Y.
Filed October 3, 1940. Serial No. 436,622. PUBLISHED FEBRUARY 25, 1941. Class 3.

387,164. ANTENNA FOR RADIO RECEIVING SETS. CONTINENTAL RADIO AND TELEVISION CORP., Chicago, Ill., assignor to Continental Radio and Television Corporation, Chicago, Ill., a corporation of Delaware.
Filed October 7, 1940. Serial No. 436,686. PUBLISHED DECEMBER 17, 1940. Class 21.

387,165. ARTICLES PUBLISHED AT INTERVALS ILLUSTRATING AWKWARDNESS OR INCONGRUITY OF CONDUCT OR BREACHES OF THE DICTATES OF FASHION. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed October 8, 1940. Serial No. 436,741. PUBLISHED FEBRUARY 18, 1941. Class 38.

387,166. WALL REINFORCING MEMBER COMPRISING A BENT OR FABRICATED UNIT CONSTRUCTED WITH IRON RODS OR WIRE FOR EMBEDDING IN A MORTAR JOINT BETWEEN BRICK, BLOCK, OR OTHER UNITS OF A BUILT-UP MASONRY WALL. HAROLD L. SPAIGHT, Cedar Rapids, Iowa.
Filed October 9, 1940. Serial No. 436,780. PUBLISHED FEBRUARY 25, 1941. Class 12.

387,167. MAGAZINE. FOX PUBLICATIONS, INC., New York, N. Y.
Filed October 10, 1940. Serial No. 436,802. PUBLISHED FEBRUARY 25, 1941. Class 38.

387,168. TOY AUTOMOBILE RACING CARS. HILLER INDUSTRIES, San Francisco, Calif.
Filed October 18, 1940. Serial No. 437,065. PUBLISHED FEBRUARY 25, 1941. Class 22.

387,169. PAPER NAPKINS AND TABLECLOTHS. AMERICAN TISSUE MILLS, Holyoke, Mass.
Filed October 22, 1940. Serial No. 437,162. PUBLISHED FEBRUARY 25, 1941. Class 37.

387,170. WRITING PAPER. HURLBUT PAPER COMPANY, South Lee, Mass.
Filed October 22, 1940. Serial No. 437,174. PUBLISHED FEBRUARY 25, 1941. Class 37.

387,171. APPARATUS FOR STEAM CLEANING AUTOMOBILE ENGINES AND ITS PARTS AND FOR CLEANING AIR FILTERS, ETC. CIRCO PRODUCTS COMPANY, Cleveland, Ohio.
Filed October 25, 1940. Serial No. 437,272. PUBLISHED FEBRUARY 25, 1941. Class 23.

387,172. SERIES OF CARTOONS. TRIBUNE COMPANY, Chicago, Ill.
Filed October 25, 1940. Serial No. 437,292. PUBLISHED FEBRUARY 18, 1941. Class 38.

387,173. REFRIGERATING APPARATUS AND PARTS THEREOF AND ICE-MAKING APPARATUS AND PARTS THEREOF. YORK ICE MACHINERY CORPORATION, York, Pa.
Filed October 25, 1940. Serial No. 437,296. PUBLISHED FEBRUARY 25, 1941. Class 31.

387,174. CLOSET ACCESSORIES—NAMELY, HAT STANDS AND GARMENT HANGERS, STATUETTES AND PLASTER PLAQUES. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed October 26, 1940. Serial No. 437,301. PUBLISHED FEBRUARY 25, 1941. Class 50.

387,175. CANNED FISH AND PACKAGED SALT FISH. DAVIS BROS. FISHERIES CO., INC., Gloucester, Mass. Filed October 26, 1940. Serial No. 437,304. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,176. CANNED FISH AND PACKAGED SALT FISH. DAVIS BROS. FISHERIES CO., INC., Gloucester, Mass. Filed October 26, 1940. Serial No. 437,305. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,177. LUBRICATING OILS AND GREASES. RILEY PENN OIL COMPANY, Burlington, Iowa. Filed October 28, 1940. Serial No. 437,352. PUBLISHED FEBRUARY 25, 1941. Class 15.

387,178. READY MIXED PAINTS. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed October 31, 1940. Serial No. 437,435. PUBLISHED FEBRUARY 25, 1941. Class 16.

387,179. MALTED MILK BEVERAGES. CLEMENT F. WADE, Winnetka, Ill. Filed November 1, 1940. Serial No. 437,487. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,180. SYRUP USED AS A STABILIZING BASE FOR ICINGS FOR BAKERY PRODUCTS. SPERRY-YOUNG-KEVAN, INC., Kansas City, Mo. Filed November 4, 1940. Serial No. 437,583. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,181. WHEAT FLOUR. THE ABILENE FLOUR MILLS COMPANY, Abilene, Kans. Filed November 6, 1940. Serial No. 437,610. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,182. PRINTED STRIP TICKETS SOLD AS SUCH FOR TICKET ISSUING MACHINES. BENJAMIN H. FREEDMAN, doing business as Unicon Cash Control Systems, New York, N. Y. Filed November 8, 1940. Serial No. 437,675. PUBLISHED FEBRUARY 25, 1941. Class 38.

387,183. HEAT AND SOUND INSULATING MATERIAL. MASONITE CORPORATION, Chicago, Ill. Filed November 13, 1940. Under act of February 20, 1905, as amended June 10, 1938. Serial No. 437,827. PUBLISHED FEBRUARY 18, 1941. Class 12.

387,184. GUMMED PAPER. PAPER MANUFACTURERS CO., INC., Philadelphia, Pa. Filed November 16, 1940. Serial No. 437,955. PUBLISHED FEBRUARY 25, 1941. Class 37.

387,185. BICYCLE ACTION EXERCISING MACHINES. THE SHELBY CYCLE COMPANY, Shelby, Ohio. Filed November 18, 1940. Serial No. 438,022. PUBLISHED FEBRUARY 25, 1941. Class 22.

387,186. SEED POTATOES. W. R. CHRISTIE, Presque Isle, Maine. Filed November 22, 1940. Serial No. 438,122. PUBLISHED FEBRUARY 25, 1941. Class 1.

387,187. WEEKLY PERIODICAL. PERSON'S INDEX FACTS ON FILE, INC., New York, N. Y. Filed November 22, 1940. Serial No. 438,150. PUBLISHED FEBRUARY 18, 1941. Class 38.

387,188. WAX CANDLES. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed November 25, 1940. Serial No. 438,194. PUBLISHED FEBRUARY 18, 1941. Class 15.

387,189. PREFABRICATED BUILDING UNITS—NAMELY, PRE-ASSEMBLED WALLS, FLOORS, AND CEILING PANELS, OR SECTIONS WHICH MAY BE FITTED TOGETHER TO FORM STRUCTURES OF DIFFERENT SIZES AND DESIGNS. PRECISION BUILDERS, INC., Rocky River, Ohio. Filed November 26, 1940. Serial No. 438,248. PUBLISHED FEBRUARY 18, 1941. Class 12.

387,190. PRINTED FORMS TO BE USED FOR KEEPING RECORDS. NATIONAL OFFICE SUPPLY COMPANY, Waukegan, Ill. Filed November 27, 1940. Serial No. 438,274. PUBLISHED FEBRUARY 25, 1941. Class 37.

387,191. FRESH, FROZEN, CANNED, DRIED, OR SALTED FISH. PÊCHEURS UNIS DE QUEBEC, Gaspe, Quebec, Canada. Filed November 27, 1940. Serial No. 438,280. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,192. COLUMN OR SECTION IN A MONTHLY MAGAZINE. THE PARENTS' INSTITUTE, INC., New York, N. Y. Filed November 29, 1940. Serial No. 438,351. PUBLISHED FEBRUARY 18, 1941. Class 38.

387,193. MEN'S SUITS. J. W. SMITH & SONS, New York, N. Y. Filed November 29, 1940. Serial No. 438,358. PUBLISHED FEBRUARY 25, 1941. Class 39.

387,194. FRESH PEARS. DAY & YOUNG, Santa Clara, Calif. Filed November 30, 1940. Serial No. 438,379. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,195. JUVENILE VELOCIPEDES AND SCOOTERS. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed November 30, 1940. Serial No. 438,386. PUBLISHED FEBRUARY 25, 1941. Class 22.

387,196. CANDY. HAWLEY & HOOPS, New York, N. Y. Filed December 2, 1940. Serial No. 438,438. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,197. WHEAT FLOUR AND RYE FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed December 2, 1940. Serial No. 438,450. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,198. LIVE POULTRY. PIONEER HI-BRED CORN COMPANY, Des Moines, Iowa. Filed December 2, 1940. Serial No. 438,451. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,199. LEAD PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed December 3, 1940. Serial No. 438,471. PUBLISHED FEBRUARY 25, 1941. Class 37.

387,200. CITRUS FRUITS. EXETER SELECT GROVES, Exeter, Calif. Filed December 3, 1940. Serial No. 438,473. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,201. LEATHER. I. M. KAPLAN, INC., Boston, Mass. Filed December 3, 1940. Serial No. 438,484. PUBLISHED FEBRUARY 25, 1941. Class 1.

387,202. TABLES AND TABLE TOPS. MEYER GREITZER, doing business as Certified Chrome Furniture Company, Los Angeles, Calif. Filed December 16, 1940. Serial No. 438,878. PUBLISHED FEBRUARY 25, 1941. Class 32.

387,203. WOMEN'S AND MISSES' DRESSES. NEW KENMORE FROCKS, INC., New York, N. Y. Filed December 3, 1940. Serial No. 438,491. PUBLISHED FEBRUARY 25, 1941. Class 39.

387,204. THERMAL INSULATION MATERIALS. BARNHARDT MANUFACTURING COMPANY, Charlotte, N. C. Filed December 4, 1940. Serial No. 438,498. PUBLISHED FEBRUARY 25, 1941. Class 12.

387,205. CERAMIC DINNERWARE. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Filed December 5, 1940. Serial No. 438,525. PUBLISHED FEBRUARY 25, 1941. Class 30.

387,206. COLUMN IN A SUNDAY NEWSPAPER. THE NEWSPAPER PM, INC., New York, N. Y. Filed December 5, 1940. Serial No. 438,547. PUBLISHED FEBRUARY 18, 1941. Class 38.

387,207. POULTRY FEEDS. A. RUSSELL SNYDER, doing business as Snyder Milling Company, Nazareth, Pa. Filed December 5, 1940. Serial No. 438,555. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,208. CANDY. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa. Filed December 5, 1940. Serial No. 438,561. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,200. TWINE. EMPIRE TWINE AND YARN COMPANY, INC., New York, N. Y. Filed December 6, 1940. Serial No. 438,567. PUBLISHED FEBRUARY 25, 1941. Class 7.

387,210. WRAPPING PAPER, PAPER NAPKINS, DESK PADS, SCRAP BOOKS, PHOTOGRAPH ALBUMS, AND AUTOGRAPH ALBUMS. BURKHARDT-WARNER INCORPORATED, New York, N. Y. Filed December 7, 1940. Serial No. 438,606. PUBLISHED FEBRUARY 25, 1941. Class 37.

387,211. TOOTHBRUSHES. THE PEPSODENT CO., Chicago, Ill. Filed December 6, 1940. Serial No. 438,583. PUBLISHED FEBRUARY 25, 1941. Class 29.

387,212. GREETING CARDS, CHRISTMAS CARDS, PICTURE CARDS, MOTTO CARDS, SHOW CARDS, FOLDERS, POSTERS, PRINTED SIGNS, AND PLACARDS. BURKHARDT-WARNER INCORPORATED, New York, N. Y. Filed December 7, 1940. Serial No. 438,607. PUBLISHED FEBRUARY 18, 1941. Class 38.

387,213. CIGARETTES. PARFUMS SCHIAPARELLI, INC., New York, N. Y. Filed December 7, 1940. Serial No. 438,625. PUBLISHED FEBRUARY 25, 1941. Class 17.

387,214. CANNED VEGETABLES. LAND O'THE SKY MUTUAL ASSOCIATION, INC., Waynesville, N. C. Filed December 9, 1940. Serial No. 438,658. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,215. CANNED VEGETABLES. LAND O'THE SKY MUTUAL ASSOCIATION, INC., Waynesville, N. C. Filed December 9, 1940. Serial No. 438,659. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,216. CANNED VEGETABLES. LAND O'THE SKY MUTUAL ASSOCIATION, INC., Waynesville, N. C. Filed December 9, 1940. Serial No. 438,660. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,217. MAYONNAISE. LOBLAW GROCETERIAS, INC., Buffalo, N. Y. Filed December 13, 1940. Serial No. 438,808. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,218. COAL. WEST KENTUCKY COAL COMPANY, Sturgis, Ky. Filed December 13, 1940. Serial No. 438,822. PUBLISHED FEBRUARY 25, 1941. Class 1.

387,219. LADIES' AND MISSES' DRESSES AND DRESS ENSEMBLES, CONSISTING OF DRESS AND JACKET. DEVONSHIRE JR. INC., New York, N. Y. Filed December 14, 1940. Serial No. 438,834. PUBLISHED FEBRUARY 25, 1941. Class 39.

378,220. MEN'S AND BOYS' OUTER SHIRTS AND PANTS. LOUIS KOHN, New York, N. Y. Filed December 14, 1940. Serial No. 438,845. PUBLISHED FEBRUARY 25, 1941. Class 39.

387,221. PAJAMAS AND SLEEPERS (SLEEPING GARMENTS MADE OF KNITTED OR WOVEN FABRIC), FOR MEN, WOMEN, AND CHILDREN. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed December 14, 1940. Serial No. 438,851. PUBLISHED FEBRUARY 25, 1941. Class 39.

387,222. LUBRICATING OILS AND GREASES. MARK M. HENRIQUES, doing business as S. E. P. Oil & Grease Co., Los Angeles, Calif. Filed December 16, 1940. Serial No. 438,881. PUBLISHED FEBRUARY 25, 1941. Class 15.

387,223. TOBACCO PRODUCTS—NAMELY, CIGARS, AND CIGARETTES. PETRI CIGAR CO., INC., San Francisco, Calif. Filed December 16, 1940. Serial No. 438,900. PUBLISHED FEBRUARY 25, 1941. Class 17.

387,224. ALE. BERGHOFF BREWING CORPORATION, Fort Wayne, Ind. Filed December 18, 1940. Serial No. 438,974. PUBLISHED FEBRUARY 25, 1941. Class 48.

387,225. DYNAMO-ELECTRIC MACHINES—NAMELY, ELECTRIC MOTORS. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed December 19, 1940. Serial No. 439,019. PUBLISHED FEBRUARY 25, 1941. Class 21.

387,226. DRAIN PIPE CLEANERS. ROTO-ROOTER CORPORATION, Des Moines, Iowa. Filed December 19, 1940. Serial No. 439,027. PUBLISHED FEBRUARY 25, 1941. Class 23.

387,227. GIRDLES, CORSETS, AND BRASSIÈRES, AND COMBINATIONS THEREOF, AND BATHING SUITS. ARTISTIC FOUNDATIONS, INC., New York, N. Y. Filed December 20, 1940. Serial No. 439,035. PUBLISHED FEBRUARY 25, 1941. Class 39.

387,228. ANIMAL SHOE. CHAMPION RACING PLATE COMPANY, Huntington Park, Calif. Filed December 20, 1940. Serial No. 439,041. PUBLISHED FEBRUARY 25, 1941. Class 3.

387,229. SILK, SATIN, RAYON, AND COTTON FABRICS, AND MIXTURES THEREOF, IN THE PIECE. SOREL SILKS CORPORATION, New York, N. Y. Filed December 21, 1940. Serial No. 439,080. PUBLISHED FEBRUARY 25, 1941. Class 42.

387,230. INSULATED ELECTRICAL WIRE AND CABLE. ANACONDA WIRE & CABLE COMPANY, New York, N. Y. Filed December 24, 1940. Serial No. 439,148. PUBLISHED FEBRUARY 25, 1941. Class 21.

387,231. RAZOR BLADES. RAYMOND BREWER, doing business as Better Products Company, Marion, Ind. Filed December 24, 1940. Serial No. 439,154. PUBLISHED FEBRUARY 25, 1941. Class 23.

387,232. HOME RECORDING DISCS. HAMMERMILL PAPER COMPANY, Erie, Pa. Filed December 24, 1940. Serial No. 439,161. PUBLISHED FEBRUARY 25, 1941. Class 36.

387,233. MILK COOLERS AND PARTS THEREOF. BABSON BROS. CO., doing business as Babson Bros., Chicago, Ill. Filed December 26, 1940. Serial No. 439,188. PUBLISHED FEBRUARY 25, 1941. Class 31.

387,234. GOGGLE LENSES. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed December 26, 1940. Serial No. 439,192. PUBLISHED FEBRUARY 25, 1941. Class 26.

387,235. LACE CURTAINS AND TABLE COVERS. WILKES-BARRE LACE MANUFACTURING COMPANY, Wilkes-Barre, Pa., and New York, N. Y. Filed December 31, 1940. Serial No. 439,323. PUBLISHED FEBRUARY 25, 1941. Class 42.

387,236. RAYON PIECE GOODS. RONALD FABRICS INCORPORATED, New York, N. Y. Filed January 2, 1941. Serial No. 439,365. PUBLISHED FEBRUARY 25, 1941. Class 42.

387,237. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed January 3, 1941. Serial No. 439,384. PUBLISHED FEBRUARY 25, 1941. Class 42.

387,238. COTTON PIECE GOODS, PARTICULARLY SHEETS AND PILLOWCASES. WAMSUTTA MILLS, New Bedford, Mass. Filed January 3, 1941. Serial No. 439,399. PUBLISHED FEBRUARY 25, 1941. Class 42.

387,239. PAPER BAGS. GAYLORD CONTAINER CORPORATION, St. Louis, Mo. Filed January 6, 1941. Serial No. 439,439. PUBLISHED FEBRUARY 25, 1941. Class 2.

387,240. ACRYLIC MATERIALS, MONOMERIC METHYLMETHACRYLATE IN THE LIQUIDS AND POLYMERIC METHYLMETHACRILATE IN THE SOLIDS, TO MAKE DENTURE PLATES AND DENTAL RESTORATIONS. ROCKLAND DENTAL CO., INC., Sparkill, N. Y. Filed January 9, 1941. Serial No. 439,521. PUBLISHED FEBRUARY 25, 1941. Class 44.

387,241. SOAP FLAKES. HERMAN CHARLES SALZ, doing business as Charles Herman Company, New York, N. Y.
Filed January 9, 1941. Serial No. 439,524. PUBLISHED FEBRUARY 25, 1941. Class 4.

387,242. LADIES' HOSIERY. LEFCORT HOSIERY CO. INC., New York, N. Y.
Filed January 11, 1941. Serial No. 439,600. PUBLISHED FEBRUARY 25, 1941. Class 39.

387,243. CAPSULES SOLD EMPTY IN THE TRADE FOR CONTAINING MEDICINAL PREPARATIONS. ABBOTT LABORATORIES, North Chicago, Ill.
Filed January 13, 1941. Serial No. 439,611. PUBLISHED FEBRUARY 25, 1941. Class 2.

387,244. SYNTHETIC RESIN DENTURE BASE MATERIALS. COSMOS DENTAL PRODUCTS, INC., New York, N. Y.
Filed January 15, 1941. Serial No. 439,691. PUBLISHED FEBRUARY 25, 1941. Class 44.

387,245. ASPHALTIC ROAD CONSTRUCTION AND MAINTENANCE MATERIALS. CHARLES C. PLUMB, doing business as C. C. Plumb Company, Providence, R. I.
Filed November 20, 1940. Serial No. 438,084. PUBLISHED FEBRUARY 18, 1941. Class 12.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

387,246. (CLASS 39. CLOTHING.) NATIONAL SILK HOSIERY MILLS, INC., Indianapolis, Ind. Filed Jan. 5, 1938. Serial No. 401,583.

AIR SPUN

FOR HOSIERY.
Claims use since Dec. 23, 1937.

387,247. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE STIEFF COMPANY, Baltimore, Md. Filed Jan. 20, 1940. Serial No. 427,684.

BARDSTOWN

FOR FLAT AND HOLLOW TABLEWARE MADE OF OR PLATED WITH PRECIOUS METAL.
Claims use since Jan. 16, 1940.

387,248. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHARDSON CORPORATION, Rochester, N. Y. Filed Jan. 24, 1940. Serial No. 427,821.

RICHardson

FOR BUTTER FUDGE CHOCOLATE, CHOCOLATE FLAVORED SYRUP FOR FOOD PURPOSES, DOUBLE STRENGTH CHOCOLATE FLAVORED SYRUP FOR FOOD PURPOSES, COCOA POWDER, BITTERSWEET COCOA PASTE, CHOCOLATE FLAVORED DAIRY DRINK, SYRUP FOR FLAVORING CHOCOLATE MILK, TRIPLE STRENGTH CHOCOLATE ICE CREAM PASTE, CREAMRICH FROSTY FUDGE SYRUP, CHOCOLATE FLAVOR SAUCE, CREAMRICH FOUNTAIN SYRUP FOR FOOD PURPOSES, BITTERSWEET FUDGE SYRUP AND COCOA.
Claims use since Oct. 25, 1939, on butter fudge chocolate; since Nov. 15, 1939, on chocolate flavored syrup and double strength chocolate flavored syrup; since Nov. 29, 1939, on cocoa powder; since Dec. 11, 1939, on bittersweet cocoa; since Dec. 15, 1939, on chocolate flavored dairy drink syrup; since Dec. 21, 1939, on triple strength chocolate ice cream paste; since Dec. 28, 1939, on creamrich frosty fudge; since Dec. 29, 1939, on chocolate flavored sauce; since Jan. 2, 1940, on creamrich fountain syrup; since Jan. 5, 1940, on bittersweet fudge; and since Jan. 9, 1940, on cocoa.

387,249. (CLASS 39. CLOTHING.) BEAR BRAND HOSIERY CO., Kankakee and Chicago, Ill. Filed Feb. 17, 1940. Serial No. 428,638.

TYROL

FOR HOSIERY.
Claims use since Feb. 8, 1940.

387,250. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed Mar. 4, 1940. Serial No. 429,181.

EXQUISITE

FOR SILVERPLATED FLATWARE FOR TABLE USE AND THE LIKE.
Claims use since Feb. 23, 1940.

387,251. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BEACON MANUFACTURING COMPANY, Swannanoa, N. C. Filed Mar. 7, 1940. Serial No. 429,289.

Beverly

FOR BLANKETS MADE WHOLLY OR IN PART OF COTTON, RAYON, AND WOOL.
Claims use since Feb. 1, 1940.

387,252. (CLASS 2. RECEPTACLES.) MILLHISER BAG CO., INC., Richmond, Va. Filed Mar. 15, 1940. Serial No. 429,618.



FOR COTTON BAGS USED FOR PACKAGING FLOUR, MEAL, LIVESTOCK AND POULTRY FOODS, AND OTHER FOOD COMMODITIES.
Claims use since September, 1939.

387,253. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SCREW MACHINE PRODUCTS COMPANY, INC., Providence, R. I. Filed Mar. 27, 1940. Serial No. 430,040.

Name - Touch

FOR AUTOMATIC TELEPHONE INSTRUMENTS AND PARTS THEREOF.
Claims use since Mar. 4, 1940.

387,254. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) COLUMBIA PROTEKTOSITE CO., INC., Carlstadt, N. J. Filed Apr. 1, 1940. Serial No. 430,217.

Columbia

FOR HAIR COMBS.
Claims use since Mar. 28, 1940.

387,255. (CLASS 38. PRINTS AND PUBLICATIONS.) ROSSOTTI LITHOGRAPHING CO. INC., North Bergen, N. J. Filed Apr. 13, 1940. Serial No. 430,747.

ROSSOTTI
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FOR PRINTED LABELS SOLD AS SUCH.
Claims use since Mar. 1, 1940.

387,256. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BANDAGE PRODUCTS CORPORATION, Baltimore, Md. Filed Apr. 18, 1940. Serial No. 430,890.

"Wrap-it"

FOR BANDAGES AND FINGER BANDS—NAMELY, DIGITAL BANDAGES.
Claims use since Feb. 12, 1940.

387,257. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HYGRADE FOOD PRODUCTS CORPORATION, New York, N. Y. Filed Apr. 18, 1940. Serial No. 430,912.



FOR CANNED COOKED HAM.
Claims use since Mar. 8, 1940.

387,258. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) HAMMOND AIRCRAFT CORPORATION, South San Francisco, Calif. Filed Apr. 23, 1940. Serial No. 431,115.

Coolmore

FOR AIR CONDITIONING UNITS.
Claims use since Mar. 13, 1940.

387,259. (CLASS 2. RECEPTACLES.) SANTE JOSEPH FERRANTE, doing business as Bagbox, Passaic, N. J. Filed Apr. 26, 1940. Serial No. 431,241.



FOR PAPER BAGS.
Claims use since January, 1940.

387,260. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOZEMAN CANNING CO., Mount Vernon, Wash. Filed Apr. 27, 1940. Serial No. 431,287.

PICTFRESH

FOR CANNED PEAS.
Claims use since Mar. 5, 1940.

387,261. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOZEMAN CANNING CO., Mount Vernon, Wash. Filed Apr. 27, 1940. Serial No. 431,288.

PICTGREEN

FOR CANNED PEAS.
Claims use since Mar. 5, 1940.

387,262. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOZEMAN CANNING CO., Mount Vernon, Wash. Filed Apr. 27, 1940. Serial No. 431,289.

PICTSWEET

FOR CANNED PEAS.
Claims use since Mar. 5, 1940.

387,263. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RECORD SUPPLY CORPORATION, Chicago, Ill. Filed May 6, 1940. Serial No. 431,623.

WASHRITE

FOR GRANULATED SOAP AND LAUNDRY SOAP.
Claims use since Jan. 15, 1937.

387,264. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAN ANTONIO ORCHARD CO., Ontario, Calif. Filed May 6, 1940. Serial No. 431,627.

NAKED-PAK

FOR FRESH CITRUS FRUITS, FRESH DECIDUOUS FRUITS, AND FRESH VEGETABLES.
Claims use since Mar. 15, 1940.

387,265. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) NATIONAL IRON WORKS, San Diego, Calif. Filed Aug. 30, 1940. Serial No. 435,558.

Quik-hitch

FOR CAST DRY COUPLING FOR CONVEYING HYDRAULIC BRAKE PRESSURE FROM CAR OR TRUCK TO BRAKE SYSTEM OF TRAILER.
Claims use since Jan. 31, 1940.

387,266. (CLASS 38. PRINTS AND PUBLICATIONS.) FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Nov. 7, 1940. Serial No. 437,649.

How to Build 20
BOATS

FOR PUBLICATION APPEARING ANNUALLY OR IN APPROXIMATELY ANNUAL PERIODS.
Claims use since Nov. 22, 1935.

387,267. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) DANCO BROKERAGE CORP., New York, N. Y. Filed Dec. 18, 1940. Serial No. 438,977.

DANCO-HOLLOW BOWL

FOR PIPES.
Claims use since March, 1936.

387,268. (CLASS 37. PAPER AND STATIONERY.) ROBERT GAIR COMPANY, INC., New York, N. Y. Filed Dec. 21, 1940. Serial No. 439,071.

GAIR

FOR BOXBOARD, PAPERBOARD, CARDBOARD, AND WALLBOARD.
Claims use since Jan. 1, 1940.

387,269. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. M. LOCKHART & SON, Orland, Calif. Filed Jan. 15, 1941. Serial No. 439,699.

LOCKHAVEN

FOR OLIVE OIL.
Claims use since Jan. 15, 1936.

387,270. (CLASS 12. CONSTRUCTION MATERIALS.) AMERICAN REENFORCED PAPER COMPANY, Attleboro, Mass. Filed Jan. 24, 1941. Serial No. 439,920.

COPPER-ARMORED
SISALKRAFT

FOR SHEATHING.
Claims use since October, 1933.

387,271. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE GOSMAN COMPANY, Baltimore, Md. Filed Feb. 10, 1941. Serial No. 440,504.

K E M

FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING SAME.
Claims use since Jan. 18, 1940.

387,272. (CLASS 38. PRINTS AND PUBLICATIONS.) GENERAL MILLS, INC., Minneapolis, Minn. Filed Feb. 12, 1941. Serial No. 440,587.

BETTY CROCKER

FOR PRINTED RECIPE CARDS.
Claims use since Nov. 29, 1939.

387,273. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HYMAN LUBOW, doing business as The Linette Co., New York, N. Y. Filed Feb. 20, 1941. Serial No. 440,823.

NEWFLAX

FOR COTTON AND LINEN PIECE GOODS AND COMBINATIONS THEREOF.
Claims use since Sept. 11, 1939.

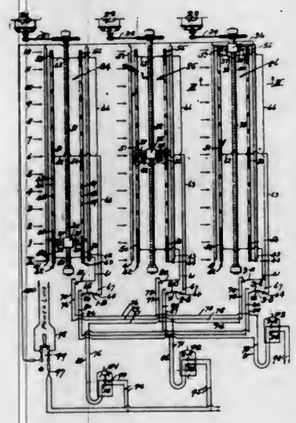
REISSUES

MAY 6, 1941

21,789
ABRASIVE TOOL
Joseph Newell Bethel, Epp Haven, St. Minver, England, assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Original No. 1,931,370, dated October 17, 1933, Serial No. 316,881, November 2, 1928. Application for reissue July 20, 1940, Serial No. 346,662. In Great Britain November 29, 1927
16 Claims. (Cl. 51—300)

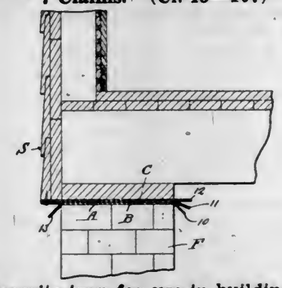
1. An abrasive tool comprising a molded, compacted mixture of separate and distinct particles of granular metal and granular abrasive material held in position by a brittle, non-metallic bond which has been heat set to form an integral body.

21,790
ELEVATOR CONTROL-SIGNAL SYSTEM
Clarence A. Carson, Memphis, Tenn., assignor of one-half to Dr. Milton B. Seligstein, Memphis, Tenn.
Original No. 2,224,808, dated December 10, 1940, Serial No. 220,905, July 23, 1938. Application for reissue February 15, 1941, Serial No. 379,132
16 Claims. (Cl. 177—336)



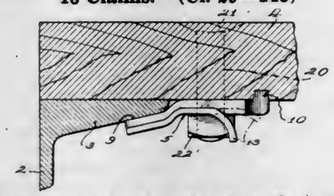
8. In an elevator signal system, the combination with an operating unit comprising a plurality of elevators, a stop and a go signal light mounted in each of said elevators, means synchronized respectively each with movement of a said elevator for energizing said lights, said means having control points corresponding to the lower, an intermediate, and an upper floor of the building in which said elevators are installed; means connecting said stop lights of the first and succeeding said elevators respectively with the second and in cycle succeeding, lower control points of said synchronized means, and means connecting the said go lights of said first and succeeding elevators respectively with the intermediate control points of the third, and in cycle succeeding, said control means.

21,791
TERMITE REPELLENT
Newton P. Easling, Pekin, Ill., assignor to The E. L. Bruce Company, Memphis, Tenn., a corporation of Delaware
Original No. 2,139,225, dated December 6, 1938, Serial No. 189,848, February 10, 1938. Application for reissue August 2, 1940, Serial No. 349,987
7 Claims. (Cl. 43—107)



7. A termite trap for use in building construction comprising a sheet of material, said sheet having along a side, separated edge portions to provide a space constituting a trap.

21,792
FLOOR CLIP AND THE METHOD OF MAKING SAME
John A. MacLean, deceased, late of Chicago, Ill., by MacLean-Fogg Lock Nut Company, assignee, Chicago, Ill.
Original No. 1,922,814, dated August 15, 1933, Serial No. 514,478, February 9, 1931. Application for reissue and division December 16, 1940, Serial No. 370,428
18 Claims. (Cl. 29—148)



1. The method of making a fastening clip which consists in shearing a blank of predetermined length from a metal bar having a rectangular cross-section and a laterally extending rib and simultaneously forming said blank to provide the clip with a downwardly directed rib portion and upwardly extending prong and an offset portion angularly displaced with relation to the body of the clip.

5. In a floor clip for securing floors to structural frame members, an integral metal member having an attaching flange provided with an aperture for receiving a securing bolt to secure said member, a frame engaging flange carried by said clip, an offset in said clip adjoining said attaching flange and frame engaging flange and bringing said frame engaging flange into a different plane, whereby the flooring may be located on one side of the frame and the clip

may engage the opposite side of the frame, and an integral extension of said clip adapted to be bent up into engagement with a nut on the securing bolt for securing the nut in predetermined position by engagement with the flat surfaces on the nut, and integral pointed means carried by said clip for engaging in the floor and preventing rotation of said clip.

21,793
FLOOR CLIP AND THE METHOD OF MAKING SAME
John A. MacLean, deceased, late of Chicago, Ill., by MacLean-Fogg Lock Nut Company, assignee, Chicago, Ill.
Original No. 1,922,814, dated August 15, 1933, Serial No. 514,478, February 9, 1931. Application for reissue and division December 16, 1940, Serial No. 370,429
8 Claims. (Cl. 29—148)

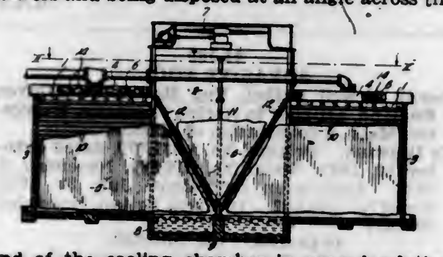


1. The method of making a clip of the character described which consists in shearing a predetermined width from a metal bar having a portion of rectangular cross-section and an extended portion of reduced thickness and simultaneously forming said blank to provide an offset portion angularly disposed relative to the body, striking up a prong from the reduced extension adjacent said body and directing the forward portion of said extension downwardly.

4. A floor clip for car flooring or the like, comprising an integral metal member having a supporting body forming an attaching flange and having a bolt aperture, said body having an offset and a frame engaging flange carried by said offset, and an integral extension of said body formed of lesser thickness and adapted to be bent, said extension being located at the end of said body and formed into a pair of pointed prongs at each side extending into engagement with the wood, and the central part of said extension forming a lug adapted to be bent into engagement with a nut to lock the nut of a securing bolt.

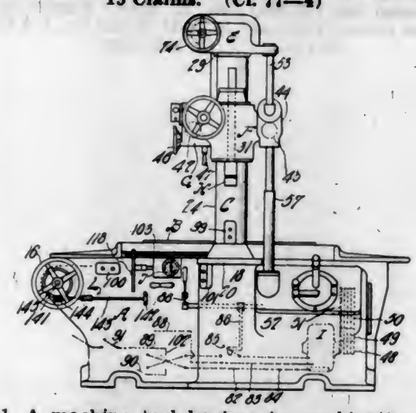
21,794
COOLING TOWER
Leon T. Mart, Mission Township, Johnson County, Kans., assignor to The Marley Company, Kansas City, Kans., a corporation of Missouri
Original No. 2,191,938, dated February 27, 1940, Serial No. 206,771, May 9, 1938. Application for reissue June 3, 1940, Serial No. 338,655
6 Claims. (Cl. 261—111)

4. In heat exchange apparatus, a cooling tower comprising a case formed with a discharge chamber, a cooling chamber formed by the case in direct connection with the discharge chamber at one vertical side thereof and having the opposite vertical side open to the atmosphere, a plurality of vertically spaced horizontal decks in the cooling chamber, closed parallel walls along the ends of the cooling chamber, whereby a horizontal air passage of uniform cross sectional area is presented from the vertical open side to the discharge chamber, baffle means in the discharge chamber in the path of travel of air entering the said chamber from the cooling chamber for equalizing the flow of and separating water from the air, an outwardly discharging fan in the discharge chamber, and water distributing means for discharging water at the top of the cooling chamber for gravitating downwardly therethrough, said baffle means, including spaced louvers and being disposed at an angle across the



end of the cooling chamber in spaced relation with the decks therein to set off a space wherein entrained water may drop by gravity from the horizontally moving air after leaving the cooling chamber and prior to its engagement with the baffle means.

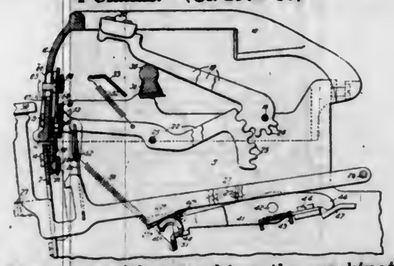
21,795
MACHINE TOOL
Joseph Verderber, Cleveland, Ohio
Original No. 2,167,189, dated July 25, 1939, Serial No. 128,201, February 27, 1937. Application for reissue September 25, 1940, Serial No. 358,322
15 Claims. (Cl. 77—4)



1. A machine tool having, in combination, a bed, a table movable in guided contact thereon and means for positioning said table relative to said bed comprising, a rack on said table and having equally spaced abutments for primarily setting said table approximately relative to said bed, a member longitudinally movably mounted on said bed and being movable parallel with the movement of said table, a measure showing instrument on the inner end of said member and having an abutment projecting therefrom, a second member longitudinally movably mounted on said bed and having a finger movable into contact with said abutment of said instrument and into and out of contact with any one of said first-named abutments, a micrometer mechanism to be set to a predetermined position of said table relative to any of said first-named abutments, and means for moving said table until said finger can move into position adjacent to a desired one of said first-named abutments and also for moving said table until said measure showing instrument registers zero for precise setting of said table relative to said base.

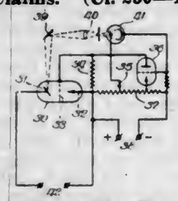
PATENTS
GRANTED MAY 6, 1941

2,240,477
TYPEWRITING AND LIKE MACHINES
Glenn E. Bauder, Elmira, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application September 22, 1938, Serial No. 231,183
4 Claims. (Cl. 197—33)



1. In a typewriting machine, the combination of type actions including printing keys, spring means exerting a resistance to the actuation of said type actions, and touch regulating means for increasing or decreasing the force of said spring means thereby varying the touch on the printing keys, said touch regulating means comprising a pivoted manually set controlling member, and a tensioning member cooperating with said spring means and controlling member, said last mentioned member being provided with a cam having detent recesses in which a part of the tensioning member may be received to hold it in any position to which it is adjusted by said cam.

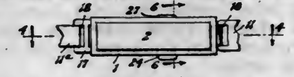
2,240,478
X-RAY APPARATUS
Kurt Bischoff and Karl Silbermann, Erlangen, Germany, assignors to the firm Siemens-Reiniger-Werke Aktiengesellschaft, Berlin, Germany
Original application October 7, 1937, Serial No. 167,696. Divided and this application December 19, 1938, Serial No. 246,578. In Germany October 19, 1936
16 Claims. (Cl. 250—103)



1. The combination, with a Roentgen tube having a control grid, of a photoelectric cell responsive to light produced at the focal spot on the target in said tube, and means including said cell for controlling the potential on said grid.

2,240,479
JEWELRY CLASP
Harry Borden, Brooklyn, N. Y.
Application January 15, 1941, Serial No. 374,418
6 Claims. (Cl. 24—71)

1. A clasp of the character described comprising a casing, one end of said casing being pivotally attached to a pair of hingedly connected links, said links being adapted to be either disposed within said casing in overlying relationship, or swung outwardly in extended position out of the casing, a slidable link member in the form of a frame, movable in or out of the casing, ratchet means for normally restraining movement of said slidable link member out of

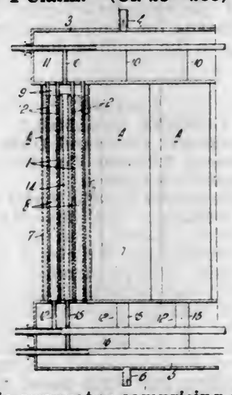


the casing, and interengaging parts on said slidable link member and one of the hinged links, said parts engaging within the frame-like link member and remote from the outer edges thereof whereby the links are retained in overlying relationship within the casing until the slidable link member is manually moved to its extended position out of the casing.

2,240,480
MOLDING COMPOSITION AND PROCESS OF MANUFACTURE
Edward R. Dillehay, Glen Ellyn, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
No Drawing. Application January 12, 1937, Serial No. 120,321
3 Claims. (Cl. 106—22)

1. A process of making a heavy duty, non-dimensional change molding composition of resinous character, which comprises treating a loose mass of fibrous material in a mixing device under conditions of heat, first with a water soluble resin varnish, drying the water out of the mass, and afterward treating said mass, while mixing it, with an alcohol solution of resinous substance, continuing the mixing to the point of driving out the solvent and setting up the resinous substance on the fibres to a plastic and non-flowing condition.

2,240,481
CHEMICAL REACTION CHAMBER
Alfred August Aicher, Wimbledon, England
Application November 17, 1938, Serial No. 240,992
In Great Britain November 19, 1937
1 Claim. (Cl. 23—288)



A catalytic apparatus comprising a plurality of reaction units, each unit including a catalyzer

chamber containing a catalyst and having inlet and outlet openings for the passage of reaction gases therethrough, a casing enclosing said chamber and spaced therefrom to provide a liquid compartment containing a liquid in heat-exchange relationship with said catalyst, an outlet tube opening into a vapor space in said compartment above said liquid for the removal of vaporized liquid therefrom and an inlet tube connected to said compartment for returning liquid thereto, a tubular element extending into the body of said liquid in heat-exchange relationship therewith, having its upper end opening into said vapor space and its lower end opening into a conduit for withdrawal of liquid condensed in said tube, and a conduit inter-connecting said vapor space of each unit whereby vapor may flow from one to the other space upon temperature fluctuations in the several units.

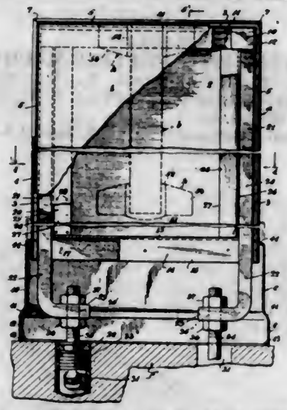
2,240,482
CUBICLE ASSEMBLY
Thomas F. Anderson, Cleveland, Ohio, assignor to The Sanymetal Products Co., Inc., Cleveland, Ohio, a corporation of Ohio
Application December 19, 1938, Serial No. 246,634
12 Claims. (Cl. 189—34)



9. In partition construction, an upright member forming a combination structural support and wall panel comprising a pair of spaced substantially flush metal facing sheets having complementary inturned flanges along the exposed edges thereof, an outturned lip portion extending from each of said flanges externally of and substantially parallel thereto, welds externally applied between adjacent lip portions uniting said facing sheets in rigidly integral assembly, an edging strip externally applied to each of said exposed edges, said edging strip having a rounded facing portion overlying and covering the major portion of each pair of adjacent complementary flanges, each of said edging strips having substantially straight inturned edge portions snugly fitting between said outturned lip portions and said flanges fixedly securing said edging strips to said facing sheets, sound insulating material positioned between said facing sheets, and means for rigidly securing said upright member to the building floor.

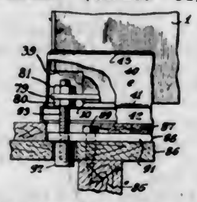
2,240,483
CUBICLE ASSEMBLY
Thomas F. Anderson, Cleveland, Ohio, assignor to The Sanymetal Products Co., Inc., Cleveland, Ohio, a corporation of Ohio
Application December 9, 1939, Serial No. 308,359
14 Claims. (Cl. 189—34)

1. In a cubicle assembly, an upright member forming a combination structural support and wall panel, said upright member comprising a pair of spaced substantially flush metal panel sheets secured together in fixed spaced relationship, means for securing the lower end of said upright member to the building floor, said means including spaced solid bars each having a portion thereof extending into said panel forming upright member between said panel sheets and secured therein and a portion extending below said panel sheets, floor gripping means, take-up means connecting said floor gripping means to the lower portion of said bars and a floor shoe having a continuous side wall portion telescoping vertically over the lower end of said upright



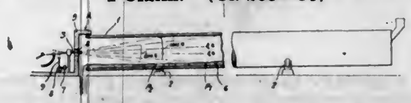
member providing manipulative access to said take-up means when in raised position and enclosing and concealing the lower end of said upright member and said floor securing means from external view when in floor seating position.

2,240,484
CUBICLE ASSEMBLY
Thomas F. Anderson, Cleveland, Ohio, assignor to The Sanymetal Products Co., Inc., Cleveland, Ohio, a corporation of Ohio
Original application December 19, 1938, Serial No. 246,634. Divided and this application December 9, 1939, Serial No. 308,360
13 Claims. (Cl. 189—34)



1. In a cubicle assembly, an upright member forming a combination structural support and wall panel, said upright member comprising a pair of spaced substantially flush panel sheets, each of said sheets having inturned flanges along the vertical edges and along the top horizontal edge thereof, an edging strip extending over each of said vertical edges and said horizontal edge, means for interlocking said edging strips to the adjacent flanges, a partition panel having the upper edge thereof substantially flush with the upper edge of said upright member, means for securing said partition panel to said upright member and to an adjacent building wall in fixed suspended position, a horizontally extending frame member positioned between and rigidly secured to the spaced panel sheets of said upright member adjacent the lower end thereof, means gripping the building floor, spaced means adjustably connecting said floor gripping means to said frame member whereby vertical adjustment of said upright member may be effected, the panel-forming sheets adjacent each of said adjusting means being cut away to permit free manipulation of said adjusting means, and a floor shoe enclosing the lower end of said upright member normally concealing said adjusting means from external view.

2,240,485
METHOD OF FIRING ROTARY KILNS IN THE PRODUCTION OF PORTLAND CEMENT
Hugh M. Armel, Covina, Calif.
Application May 31, 1939, Serial No. 276,633
1 Claim. (Cl. 263—53)



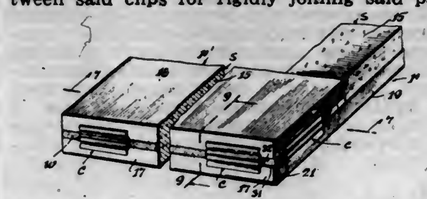
The method of firing a rotary kiln in the production of Portland cement clinker which comprises: introducing a Portland cement raw mix into the upper end of a downwardly inclined rotary kiln; rotating such kiln to cause said mix to travel longitudinally through said kiln; directing a combustion flame longitudinally into such kiln from adjacent the lower end thereof into contact with the material therein to cause the same to clinker, while changing the direction of such combustion flame angularly with respect to the longitudinal axis of such kiln to shift the contact of the flame with such material and cause the high temperature combustion zone of such flame to shift longitudinally of such kiln with respect to the side wall portions thereof, the direction of the combustion flame and the extent of the angular change in direction thereof being such as to cause said high temperature combustion zone to shift between spaced positions located along the length of such kiln and removed from both ends thereof, and withdrawing Portland cement clinker from the lower end of said kiln, the rotation of said kiln being such as to cause the charge of material undergoing firing to be carried up the ascending wall of the kiln, whereby the exposed surface thereof is inclined at an angle to the horizontal and the direction of introduction of the combustion flame being such as to cause such flame to oscillate in a plane extending substantially parallel to the general inclination of such exposed surface.

2,240,486
COMPOSITION FOR USE IN PRINTING
Charles O. Beckley, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application May 1, 1940, Serial No. 332,704
9 Claims. (Cl. 41—41.5)

1. An ink-repellent composition for application on printing plates in an offset printing process comprising an ester of a sulphodicarboxylic acid, and water.

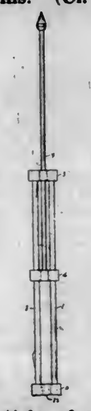
2,240,487
PANEL UNIT
Kent W. Benham, Cleveland Heights, Ohio, assignor to The Sanymetal Products Co., Inc., Cleveland, Ohio, a corporation of Ohio
Application April 19, 1940, Serial No. 330,436
11 Claims. (Cl. 189—34)

4. A fabricated building unit comprising in combination, a pair of panel-forming sheets presenting a pair of inwardly extending complementary flanges, spaced clips telescoping over the edges of said paired flanges, means positioned between said clips for rigidly joining said paired



flanges, and an edging strip retained in position by said clips.

2,240,488
RADIO ANTENNA
George O. Benson, Niagara Falls, N. Y., assignor to Chisholm-Ryder Co., Inc., Niagara Falls, N. Y., a corporation of New York
Application July 26, 1938, Serial No. 221,337
6 Claims. (Cl. 250—33)



1. As a new article of manufacture, a radio antenna comprising a plurality of metal rods of substantially the same length in parallel, coextensive, spaced apart relationship, yokes joining the rods at their ends, another yoke positioned between the end yokes and slidably engaging the said rods by spring means, whereby uniform electrical contact is maintained between said slidable yoke and said rods, and a metal rod in slidable relationship with one of the end yokes and fastened to the said slidable yoke.

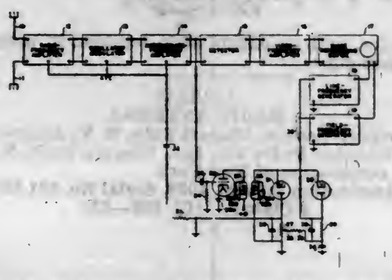
2,240,489
ALUMINUM ALLOYS
Walter Bonsack, South Euclid, Ohio, assignor to The National Smelting Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application April 12, 1939, Serial No. 267,467
4 Claims. (Cl. 75—141)

1. An aluminum base alloy comprising 3% to 5% copper, 1% to 2.5% nickel, less than 1% silicon, .8% to 1.6% zinc, about .35% to about 2.2% magnesium, with the balance substantially all aluminum.

2,240,490
TELEVISION SYNCHRONIZING AND CONTROL SYSTEM
Madison Cawein, Manhasset, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application October 5, 1938, Serial No. 233,372
13 Claims. (Cl. 178—7.5)

2. A television receiver adapted to reproduce a

signal-carrier wave the amplitude of which may vary at the receiver and having light-modulation components and synchronizing-modulation components having amplitude values outside the amplitude range of said light-modulation components comprising, a means for deriving from said signal a control-bias voltage variable in accordance with the intensity of the carrier wave and independent of its light-modulation com-



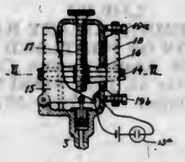
ponents, a vacuum-tube repeater for translating the signal, means for applying said bias voltage to said repeater to limit the translation of the signal thereby to the portion of the signal including said modulation components outside said range of said light-modulation components, and means for utilizing the signal components translated by said repeater for synchronizing the operation of said receiver.

2,240,491
MOLDING
Orley J. Crowe, Detroit, Mich., assignor to Herron-Zimmers Moulding Company, a corporation of Illinois
Application January 20, 1938, Serial No. 185,833
1 Claim. (Cl. 189—88)



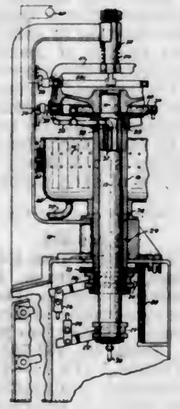
Molding in the form of an article of manufacture, comprising an elongated base strip of metal having a substantially flat base and short laterally curved edge flanges projecting from one side of the base in an outward but converging manner, prongs struck from the base and projecting from the opposite side thereof in longitudinally spaced relation with said prongs disposed in substantially perpendicular relation to the base and having substantially sharp ends, and a metal cover element substantially thinner than the base strip extending longitudinally over the first mentioned side of the base and having its side portions curved and substantially fitting the curved side edge flanges and having its edges turned under and engaging said opposite side of the base, the engagement between the side portions of the cover and the side edge flanges of the base in conjunction with the engagement of the turned under edges of the cover with said opposite side of the base serving to hold the parts positively together before application of the molding, also serving to enable the use of strong pressure on the outer surface of the cover when the molding is applied to a surface, and also serving to positively hold the cover on the base after the molding is applied due to contact of the turned in edges with said surfaces.

2,240,492
MAXIMUM PRESSURE GAUGE
Kalman John De Juhasz, State College, Pa.
Application December 7, 1938, Serial No. 244,374
5 Claims. (Cl. 73—111)



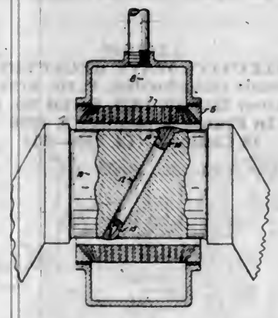
5. A pressure gauge comprising a pivoted lever, a pressure responsive element arranged to exert a force on said lever in response to pressure, a pre-stressed spring exerting a force on said lever in opposition to the pressure force, means for altering the ratio of leverage of said pressure force to that of said pre-stressed spring force with reference to the pivot of the lever and means to indicate when the moments of the pressure force and of the pre-stressed spring force are in equilibrium and means to indicate the leverage ratio as a measure of the pressure force corresponding to said equilibrium condition.

2,240,493
WHEEL HARDENING APPARATUS
Francis S. Denneen, Cleveland, Ohio, assignor to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application December 31, 1937, Serial No. 182,922
4 Claims. (Cl. 266—4)



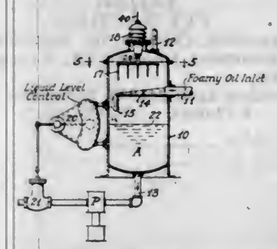
1. In apparatus for hardening car wheels and the like, a frame, a current-conducting heating ring carried by said frame, a slideway in axial alignment with said ring carried by said frame, a support slidable on said slideway, a current-conducting ring parallel to said first-named ring carried by said support, each of said rings being adapted to engage the rim adjacent portions of a car wheel interposed therebetween, a support for a car wheel slidably carried within said first-named support, means to rotate said first-named support, and means to resiliently clamp said rings and a car wheel disposed therebetween in current conducting relation to pass heating current from one of said portions to the other.

2,240,494
METHOD OF HEAT TREATING
Francis S. Denneen, Cleveland, William C. Dunn, Shaker Heights, and Courtney N. Mitchell, Strongsville, Ohio, assignors to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Original applications March 29, 1934, Serial No. 718,002 and Serial No. 718,003. Divided and this application November 10, 1938, Serial No. 239,810
3 Claims. (Cl. 148—21)



1. In a method of inductively heat treating a surface zone of an article with a recess in the surface thereof, the steps of filling such recess only to the outer edge thereof without covering said surface with a current conducting pliable plug comprising a current conducting medium having a low carbon content and a binder, said plug being of such viscosity that it will not freely flow, causing the inductive heating current to flow through said surface zone and said plug, thereafter quenching said surface zone and then removing said plug from said recess.

2,240,495
APPARATUS FOR COALESCING FOAM
Lyle Dillon and Edward G. Ragatz, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application September 12, 1936, Serial No. 100,514
2 Claims. (Cl. 204—305)



1. Apparatus for coalescing foamy liquid comprising a tank, a flat electrode in said tank, means to pass the foamy liquid onto said electrode to form a layer thereon, a second electrode in the upper part of the tank adjacent to the surface of said flat electrode, means to charge said electrodes to a high electric potential difference, a settling chamber in the lower portion of the tank, and means to separately withdraw gas and coalesced liquid from said tank.

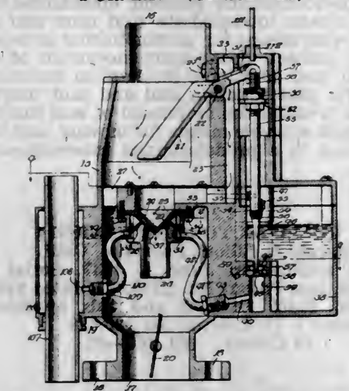
2,240,496
PHARMACEUTICAL COMPOSITION OF THE SULPHANILAMIDE CLASS
Michael N. Dvornikoff, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 18, 1939, Serial No. 273,542
1 Claim. (Cl. 260—397.7)

N-(p-Aminobensene sulphonyl) benzamide, having the structural formula—



said compound being a colorless crystalline solid which is substantially insoluble in water and forms a water-soluble sodium salt.

2,240,497
CARBURETOR
William C. Dunn, Chicago, Ill.
Continuation of application Serial No. 153,119, July 6, 1937. This application May 9, 1939, Serial No. 272,731
4 Claims. (Cl. 261—18)

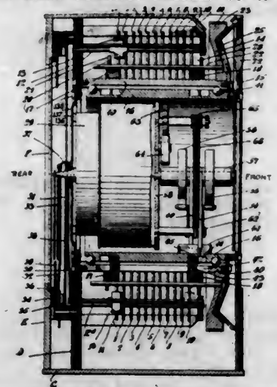


4. In a carburetor a fuel nozzle, two sources of supply of different fuels, metering valves individual to the supplies for metering the fuels to the nozzle, means connected to both of said metering valves for operating them, two different connections between one of the sources of fuel supply and the said nozzle, valves individual to said connections for controlling the passage of fuel therethrough, a connection between the other of the sources of fuel supply and the said nozzle, a portion of the last said connection embodying a portion of one of the first said connections, whereby the valve in the latter will operate to control a supply of fuel to the nozzle from both of said sources of fuel supply, and a heater constituting a portion of one of the said connections between the nozzle and one of said sources of supply.

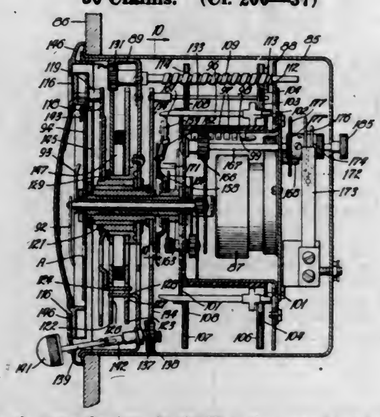
2,240,498
MULTIPLE FUNCTION CONTROL CLOCK
Harold F. Elliott, Palo Alto, Calif.
Application May 29, 1936, Serial No. 82,495
28 Claims. (Cl. 161—1)

18. Electric timing and control apparatus for a

control circuit comprising timing means for energizing the control circuit at timed intervals, a plurality of function conductors, a time dial graduated in time units, a function dial graduated according to the functions of the function conductors, a plurality of contact means movable to selectively interconnect the timing means and the function conductors, means movable to select a predetermined contact means and thereafter move said contact means to a predetermined interconnecting position, mechanical connecting means intermediate said time dial and said movable means for accomplishing preselecting of a contact means upon movement of said time dial, and additional mechanical connecting means for said function dial and said movable means to transfer the movement of said function dial to said movable means for moving said contact means to a predetermined interconnecting position.

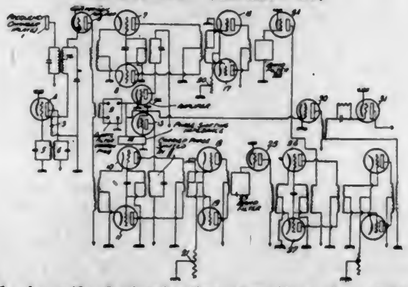


2,240,499
PRESELECTOR MECHANISM
Harold F. Elliott, Palo Alto, Calif.
Original application June 4, 1937, Serial No. 146,359, now Patent No. 2,190,832, dated February 20, 1940. Divided and this application November 9, 1938, Serial No. 239,696
30 Claims. (Cl. 200—37)



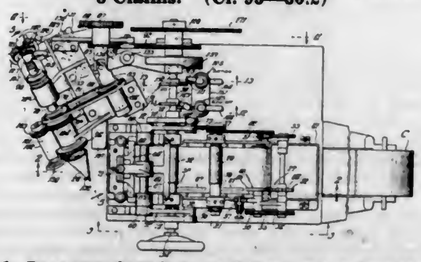
1. A preselector including in combination, a stationary frame, a cage-like electrical conductor frame supported on said stationary frame and including a plurality of insulatingly separated axially extending conductors and cross-positioned annular conductors, an interconnector slidably carried on each axial conductor for individual selective connection with an annular conductor, rotary manual means for rotation in either a clockwise or counter-clockwise direction, means for operatively connecting said single rotary means with an individual interconnector to slide the same including a selector finger upon rotation of said rotary means in one direction, means for operatively connecting said rotary means with all of said interconnectors upon rotation of said rotary means in the other direction, and rotatable means independent of said rotary means for selecting an individual interconnector for sliding the same.

2,240,500
SELECTIVE WAVE RECEPTION
Leonide Gabrilovitch, Paris, France
Application May 29, 1937, Serial No. 145,622
In France September 5, 1936
12 Claims. (Cl. 250—20)



1. A method of selective reception of modulated electric waves through a quasi-linear electric circuit which consists in impressing a plurality of modulated carrier waves through said circuit, said waves comprising respectively desired and undesired waves, in varying at least one of the parameters of said circuit synchronously with the carrier of the undesired modulated wave whereby said last mentioned wave is substantially weakened while other desired modulated waves the carriers of which are not oscillating in synchronism with the variations of the parameters of the aforementioned quasi-linear circuit go through the latter without being attenuated in the same proportion.

2,240,501
CUP MACHINE
Harold Greenhill, Chicago, Ill., assignor to Dixie-Vortex Company, Chicago, Ill., a corporation of Delaware
Application April 5, 1937, Serial No. 135,138
8 Claims. (Cl. 93—36.2)



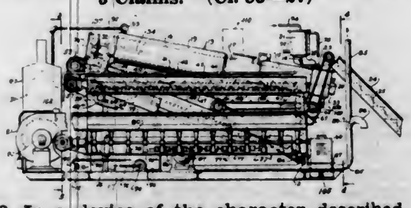
1. In a cup forming machine, means for feeding a strip of cup material therethrough, an adhesive applying roller engageable with one side of said strip, cutting dies for cutting said strip into cup blanks, a rotatable cup forming mandrel having a sucker opening therein communicating with a suction passage co-axial with the axis of rotation of said mandrel for securing the leading edge portion of a blank thereto, a rotatable presser roll axially movable in one direction to engage a blank on said mandrel during the forming of a cup thereon and movable in the opposite direction to release the cup when completed, said mandrel having a tip end portion formed integrally therewith and having blow-off ports formed therein communicating with an air pressure supply passage coaxial with the axis of rotation of said mandrel for discharging a completed cup therefrom, and means for controlling the suction and pressure in said passages.

2,240,502
MOLDING
William J. Hall, Detroit, Mich., assignor to Herron-Zimmers Moulding Company, a corporation of Illinois
Application April 26, 1938, Serial No. 204,383
3 Claims. (Cl. 189—88)



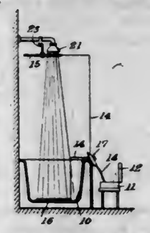
1. Molding comprising an elongated strip of relatively malleable metal having a body portion shaped transversely to provide a channel, a flange turned inwardly from one edge of the channel and towards the other edge thereof, and lying substantially in the plane of said edges, integral prongs projecting from said flange and away from the channel so as to provide means for attaching the molding to a support, and a finish cover fitting over the outer surface of said channel and having inturned edges engaging under the edges of the channel, the metal between the prongs being cut away substantially to said plane so that in pressing the molding against material to which it is applied, the edges of the cover can be brought easily into contact with such material without the flange metal between the prongs interfering with such movement.

2,240,503
APPARATUS FOR THE TREATMENT OF COTTONSEED AND THE LIKE
Oscar L. Kettenbach, Tucson, Ariz., assignor to Chemical Seed Treating and Delinting Corporation, a corporation of Arizona
Application July 15, 1937, Serial No. 153,734
3 Claims. (Cl. 83—27)



2. In a device of the character described, in combination; a frame; an inclined delinter mounted thereon and adapted to continuously subject seed to the action of acid whereby lint may be removed from said seed; a washer supported on said frame beside said delinter and adapted to cleanse said seed of said removed lint and surplus acid; a floater supported on said frame under said delinter and operable to separate trash and imperfect grains from said seed by flotation, means to extract said trash and imperfect grains from said floater; an elongated dryer on said frame under said washer and adapted to condition said seed for shipment and storage; said delinter, washer, floater and dryer each including rotary conveying means to move seed therethrough; a motor operatively connected to said rotary means of said delinter, said motor being variable in speed whereby the time of action of said acid on said seed may be controlled; a second motor operatively connected to said rotary means of said washer, floater and dryer; conducting passages from said delinter to said washer, from said washer into the lower portion of said floater, and from said floater into said dryer; and mechanical means to remove dried seed from said dryer.

2,240,504
PORTABLE ELECTROGALVANIC APPARATUS FOR USE IN CONNECTION WITH BATHS OR THE LIKE
Fritz Landauer, New York, N. Y.
Application July 24, 1939, Serial No. 286,207
3 Claims. (Cl. 128—369)

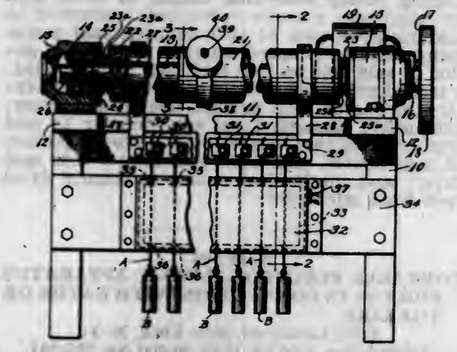


1. A portable apparatus of the character described for use in connection with baths having an inlet for bath liquid, such as a shower head, providing for a substantially downwardly directed liquid flow, comprising a source of direct current, a pair of spaced apart electrodes, a circuit connecting said electrodes with said current source, an electric control unit connected to said circuit for regulating said current from said source to said electrodes, means for detachably mounting said circuit and said control unit on said bath and within the reach of the bather within the bath, and means for removably attaching said electrodes to the bath for removal therefrom, one of said electrodes being positioned as to be immersed in the bath liquid, the other of said electrodes being in the form of a plate and placed intermediate said one electrode and said liquid inlet and directly in the path of liquid emitted from said inlet, whereby an electric current may be caused to be conducted through said liquid in either direction of said liquid flow between said electrodes.

2,240,505
METHOD OF AND APPARATUS FOR FATIGUE-TESTING FILAMENTARY ARTICLES
Edward T. Lessig, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application November 29, 1938, Serial No. 242,957
3 Claims. (Cl. 73—51)

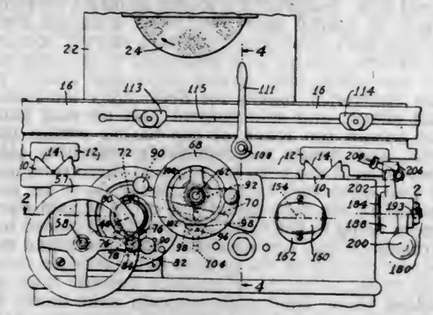
3. An apparatus for accelerated fatigue-testing of filamentary articles such as tire cord and the like, said apparatus comprising a rotatable shaft having an eccentric portion, means for rotating the shaft, an article-supporting structure

mounted upon said shaft and in engagement with said eccentric portion to transmit linear movement to the article upon rotation of the eccentric, and means for restraining rotation of the article-supporting structure as a result of the frictional engagement with said eccentric portion during rotation of the shaft, said article-



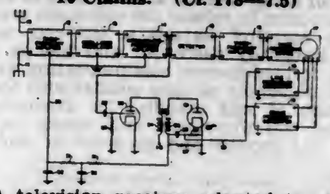
supporting structure being freely suspended upon the eccentric portion of said shaft and the rotation resisting means comprising an adjustable inertia member mounted to counteract the rotational effect of the eccentric upon the article-supporting structure as a result of frictional contact of said eccentric and structure.

2,240,506
POWER KNOCKOUT DEVICE FOR MACHINE TOOLS
George N. Levesque and Merrill F. Sebring, Providence, R. I., assignors to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application March 14, 1940, Serial No. 323,930
8 Claims. (Cl. 192—143)



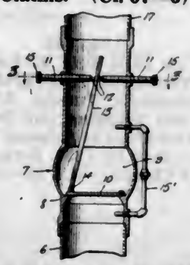
1. In a machine tool having a support assembly comprising a plurality of supports movable in diverse directions, and power means for reciprocating one of said supports and for moving another of said supports in a diverse direction, a power throw-out device including actuating means having a yielding action to disconnect said supports from power operation, a detent normally operative to lock said power throw-out device out of operation, a knockout element having manually actuated and dog actuated controllers attached integrally therewith, dogs on said diversely movable support for engagement with said dog actuated controller, and cam means rendered operative by actuation of said knockout element to withdraw the detent.

2,240,507
TELEVISION SYNCHRONIZING AND CONTROL SYSTEM
Harold M. Lewis, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application October 5, 1938, Serial No. 233,371
10 Claims. (Cl. 178—7.5)



1. A television receiver adapted to reproduce a signal-carrier wave having combined light-modulation components and synchronizing-modulation components having amplitude values outside the amplitude range of a light-modulation components comprising, a rectifying device, means for deriving from a signal translated by said receiver a signal having components representing the peaks of said synchronizing-modulation components at a level corresponding to the unmodulated peaks of said carrier wave, means for applying said derived signal to said device including means for maintaining said peaks at said level to derive said synchronizing components separate from said other modulation components and a control effect proportional to the intensity of said carrier wave and independent of light-modulation components, means for utilizing said control effect for controlling an operating characteristic of the receiver, and means for utilizing said separated synchronizing components for synchronizing the operation of the receiver.

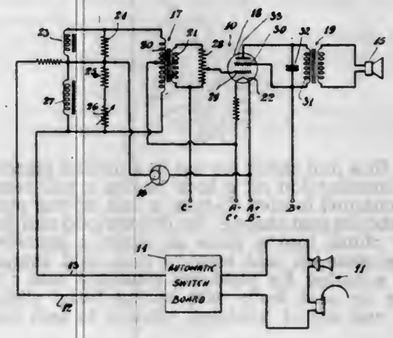
2,240,508
GAS IGNITING DEVICE
Ted I. Lewis, Corpus Christi, Tex., assignor of one-fourth to A. L. Taplin, one-fourth to George R. Brown and one-fourth to S. C. Kardell, all of Corpus Christi, Tex.
Application January 2, 1940, Serial No. 312,128
2 Claims. (Cl. 67—3)



1. A device of the character described, comprising, a vent line having one end adapted for connection to a gas emitting source, a valve casing connected to the other end of said line and fashioned with a valve chamber, a burner tube connected to said chamber, a valve seat in said chamber between said tube and line, a valve member pivotally mounted in said casing and normally closing said seat, an ignition device mounted in said casing between said tube and chamber and including flint members carried by said casing, and a stick interposed between said members and pivoted to said valve member whereby gas accumulating in said line will actuate said valve mem-

ber towards open position and operate said stick against said flint members to ignite said gas flowing through said tube.

2,240,509
BALANCED TELEPHONE CIRCUIT
Frank E. Mallalieu, Oxford, Pa., assignor to Dictograph Products Company, Inc., New York, N. Y., a corporation of Delaware
Application October 14, 1939, Serial No. 299,479
6 Claims. (Cl. 179—81)



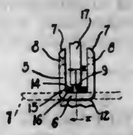
1. In a balanced telephone circuit, having a home station and at least one remote station, connected by two wires, one station comprising a microphone, and a loud-speaker; the combination of an input transformer having primary and secondary windings, means electrically connecting said primary winding to and between said wires, means electrically connecting the electrical center of said primary winding in series with said microphone to one of said wires, balancing means connected between said wires tending to equalize the audio frequency currents generated by said microphone in said primary winding despite variations in line impedance, and means electrically connecting said loud-speaker to the secondary winding of said input transformer.

2,240,510
LOGGING CHOKER AND FITTING THEREFOR
William A. Meighan, Portland, Oreg.
Application March 1, 1939, Serial No. 259,187
8 Claims. (Cl. 294—74)



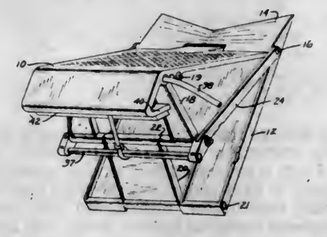
7. A fitting for a logging choker comprising a flat elongated integral member having an eye formed at one end and fastening means for securing the end of a cable at the other end thereof, said end carrying said eye terminating in a relatively sharp-edged rim portion constituting a digging edge.

2,240,511
OPHTHALMIC MOUNTING
John E. Merrill, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application March 24, 1938, Serial No. 197,837
2 Claims. (Cl. 88—47)



1. The method of forming lens holding means comprising a portion shaped to overlie a face of the lens and a portion shaped to overlie an edge of the lens, placing a pin member having a solder core internally of an opening in resilient means, placing the said pin member and resilient means in assembled relation with a portion shaped to overlie the edge of the lens and applying heat to said pin member sufficient to cause the solder to flow between said pin member and portion shaped to overlie the edge of the lens and simultaneously applying pressure on said pin member sufficient to cause the end thereof opposite the portion shaped to overlie the edge of the lens to flow outwardly over the resilient means and form an integral head, the said solder being adapted to congeal upon cooling and to cause said pin member to be secured to said portion shaped to overlie the edge of the lens.

2,240,512
WHEEL CHOCK
Otto Morgensen, Jr., Dayton, Ohio
Application July 10, 1940, Serial No. 344,754
7 Claims. (Cl. 188—32)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A collapsible wheel chock comprising a wheel-engaging member and a base member, with one end of each pivotally connected together, a pair of link members pivotally connected to said first-mentioned members at the other ends thereof and to each other to enable collapsing and extending of said first-mentioned members, a brace member pivotally connected to one of said first-mentioned members and readily releasably connected to said link members at a point intermediate the points of pivotation of said link members with said first-mentioned members.

2,240,513

PROCESS FOR PREPARING CYCLOPROPANE

John M. Ort, Rockville Centre, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application June 23, 1939, Serial No. 280,847

12 Claims. (Cl. 260—666)

1. The process of preparing cyclopropane which comprises reacting a compound of the group consisting of trimethylene dibromide and trimethylene chlorobromide with a metal reduction agent in the presence of an alkali.

2,240,514

PROCESS FOR PREPARING CYCLOPROPANE

John M. Ort, Rockville Centre, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application June 23, 1939, Serial No. 280,849

4 Claims. (Cl. 260—666)

1. The process of preparing cyclopropane which comprises reacting trimethylene dibromide with a metal reduction agent in an essentially-aqueous reaction medium containing a small proportion of an alkali.

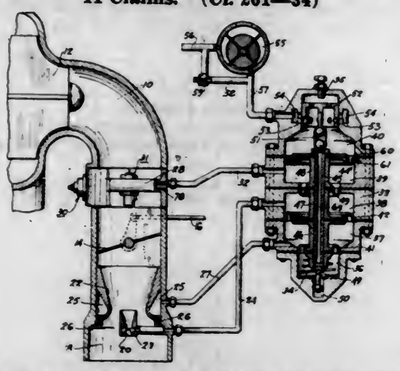
2,240,515

CHARGE FORMING DEVICE

Edward J. Partington, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana

Application April 1, 1938, Serial No. 199,325

11 Claims. (Cl. 261—34)



3. In a charge forming device having a throttle controlled induction passage, a fuel duct receiving fuel from a source of fuel under pressure and discharging in said induction passage and having a metering restriction, unmetered and metered fuel chambers communicating with said duct respectively anterior and posterior to said restriction, a fuel valve controlling the flow of fuel through said duct, and movable wall means in said fuel chambers connected to said valve and arranger such that the volume of the metered fuel chamber increases upon opening movement of the fuel valve as an incident to the opening movement of the throttle: the combination therewith of an acceleration pump to compensate for the increase in the volume of the metered fuel chamber comprising a fuel chamber communicating with said duct, a variable pressure chamber connected to the induction passage posterior to the throttle, and a spring loaded pumping diaphragm separating said acceleration pump chambers for pumping fuel to the induction passage upon increase in pressure in the induction passage.

2,240,516

NAIL CHUCK

Gerald C. Paxton, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Original application November 13, 1939, Serial No. 304,162. Divided and this application June 10, 1940, Serial No. 339,679

15 Claims. (Cl. 1—5)



1. In a nail chuck for use in a nailing machine, the combination of: a body having a nail receiving channel formed therein; a nail driving punch slidable in said channel for driving said nail from said chuck into a piece of work; a removable cover plate on said body to close said channel; and a spring for yieldably retaining said cover plate on said body, said spring being slidable into and out of retaining relation to said plate.

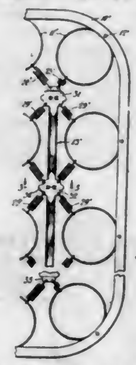
2,240,517

BEDSPRING

Solomon Raduns, Brooklyn, N. Y., assignor to Greenpoint Metallic Bed Company, Inc., Brooklyn, N. Y.

Application May 13, 1937, Serial No. 142,337

1 Claim. (Cl. 5—269)



A bedspring construction of the type having an upper rectangular frame and a plurality of main coil springs, having vertical axes arranged in lateral and longitudinal rows and supporting said upper frame, the upper rungs of the peripheral coil springs being directly connected to the upper frame, a plurality of bands of woven wire mesh extending longitudinally between and substantially spaced from the longitudinal rows of said main coil springs, each of said bands being composed of a plurality of interlaced spiral wires extending side by side, with straight edge wires extending through the outside spiral wires, clips at the ends of said bands holding together and grasping the ends of said spiral and straight wires, laterally extending plates carried by said bands, said plates having struck down ears engaging said edge wires to hold said bands laterally extended, said plates being arranged on said bands between the lateral rows of coil springs, the extensions of said plates laterally beyond said rows being provided with openings and short horizontally disposed diagonally extending coil springs connected in said openings and at their other ends being connected to the top rungs of said main coil springs.

2,240,518

TREATMENT OF ANIMAL TISSUE

John M. Ramsbottom, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application December 15, 1939, Serial No. 309,348. In Canada September 24, 1938

20 Claims. (Cl. 99—107)

1. The process of improving the physical properties of animal tissue which comprises treating the tissue with macin.

2,240,519

DRILL STRING SHOCK ABSORBER

Arthur Robert Reed, Taft, Calif.

Application August 31, 1938, Serial No. 227,678

6 Claims. (Cl. 255—28)



1. In a device as described in which a string of rotatable tubular drill pipe is connected to a drill bit to rotate such bit and communicate slushing fluid to the bit combined with a shock absorber assembly including a tubular mandrel connected to the lower part of the drill string, a long tubular sleeve having a connection to the bit, the mandrel extending into and having a sliding motion in the sleeve, a collar threaded to the upper end of the sleeve having a sliding fit on a cylindrical portion of the mandrel, the sleeve having a plurality of vertical internal grooves extending downwardly from the collar with an abutment section at the bottom of each groove, the mandrel having a driving head with a plurality of projecting lugs, each fitting in a groove of the sleeve, the grooves being of sufficient length to provide relative reciprocating motion of the lugs in the grooves, the lower face of the lugs being adapted to contact the abutment section of the sleeve on an upward jump of the sleeve in a drilling operation, the said collar at the upper end of the sleeve having a lower end forming a closure for each groove and adapted to restrain the relative downward motion of the sleeve relative to the projecting lugs of the mandrel and a spring encircling the mandrel and bearing against a connecting means to the drill string and to the top of the collar.

2,240,520

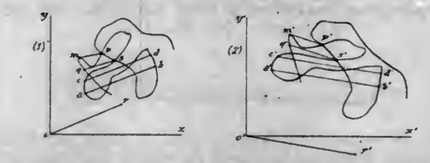
METHOD AND APPARATUS FOR ELECTRICAL UNDERGROUND PROSPECTING

Marcel Schlumberger, Paris, France

Application May 16, 1939, Serial No. 274,046

In France February 3, 1939

11 Claims. (Cl. 175—182)



2. A method of electrically prospecting the underground which comprises simultaneously recording the relative magnitudes of the telluric fields at two different stations of the area to be surveyed, the respective curves of said recording each described by a point the coordinates of which are proportional to the respective values of the components of the telluric field at said stations along two rectangular axes of coordinates.

11. A system for the electrical recording of the telluric field at a station which comprises, in combination, three grounding means, two galvanometers, one of said grounding means being common to both of said galvanometers, and means for connecting one of said galvanometers to one of the other of said grounding means and the other of said galvanometers to the remaining one of said grounding means, said grounding means being disposed at the apexes of a right angle triangle, a recording device, and means controlled by both of said galvanometers for moving said recording device to produce a record of the telluric field.

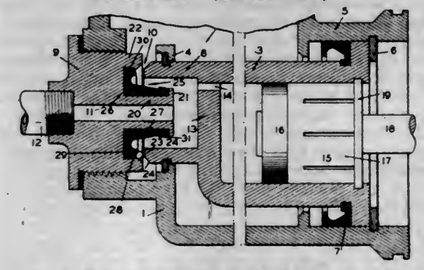
2,240,521

MASTER CYLINDER VALVE

Steve Schnell, Overland, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application December 16, 1939, Serial No. 309,572

10 Claims. (Cl. 251—27)



1. In a fluid pressure producing apparatus, a fixed member provided with a passage and an annular recess around said passage, an annular movable member, and an annular sealing member positioned in said recess and provided with a rib for engagement with the end surface of the movable member when it is moved toward the fixed member, said fixed member and movable member having associated therewith cooperating means which become operative after the movable member has engaged and compressed

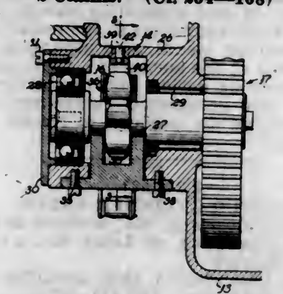
the yieldable member to thereby confine the yieldable member in the recess and prevent fluid pressure in the annular movable member from causing any portion of the yieldable member to be forced out of the recess.

2,240,522
FOOD PRODUCT
William F. Serr, New York, N. Y., assignor to Yankfrank, Inc., New York, N. Y., a corporation of New York
Application December 6, 1939, Serial No. 307,759
6 Claims. (Cl. 99—176)



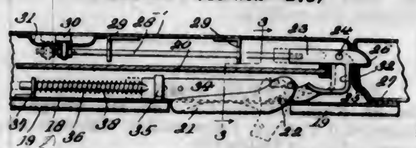
1. A comestible comprising a mass of food product and a quantity of flavoring material enclosed in an elongate casing enclosed substantially entirely within said mass of food product and having an open end closed by said food product and its opposite end protruding from said mass of food product to provide means for convenient withdrawal of said casing from said mass.

2,240,523
SPROCKET CHAIN GUIDE FOR HOISTS
Christopher Henry Schramm, Muskegon, Mich., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application May 31, 1939, Serial No. 276,495
2 Claims. (Cl. 254—168)



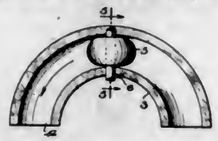
2. A portable electric hoist capable of lifting large loads with a relatively small capacity electric power unit, said hoist comprising, in combination, a housing, a rotatable chain sprocket journaled in said housing and having a small number of teeth of large size and pitch, means including an electric motor for driving said sprocket, a roller type chain reeved over said sprocket with one end depending from one side of said sprocket through the bottom of said housing for supporting a load, the portion of said chain on the other side of said sprocket being free for unloaded running engagement with said sprocket, said chain having spaced rollers interconnected by side bars, the diameter of said rollers being less than the width of said side bars, stationary chain guide means for holding said chain in running engagement with said sprocket while under load, said means comprising a U-shaped member secured in said housing in a position straddling said sprocket and concentrically spaced from the perimeter of the upper and side portions thereof and having a width less than the length of said rollers whereby to prevent movement of said rollers out of engagement with said sprocket by engagement with said rollers only.

2,240,524
AUTOMOBILE DOOR LATCH, ETC.
Arthur E. Smith, Brooklyn, N. Y., assignor to Hid-Lok Corporation, New York, N. Y., a corporation of New York
Application January 28, 1939, Serial No. 253,418
4 Claims. (Cl. 292—173)



1. In a latch for an automobile door having an outer wall, an inner wall, a window pane movable therebetween, a latch bolt disposed for reciprocation between the window pane and said inner wall, a plate disposed for reciprocation at the other side of the window pane, means providing an operating connection between said plate and bolt and extending transversely of the door between an edge of the window pane and the door stile, a lever pivoted on the inner face of said outer wall and having a handle portion, said outer wall being apertured to receive said handle portion therethrough as the handle is operated, and a post extending vertically from one end of said lever and engaging said plate for moving said plate to retract said bolt on movement of said lever.

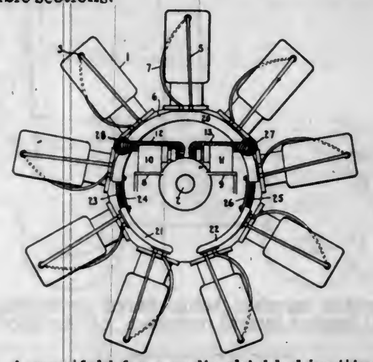
2,240,525
METHOD OF FORMING ELBOWS AND U BENDS
James J. Smith, Philadelphia, Pa.
Refiled for abandoned application Serial No. 106,636, October 20, 1936. This application September 18, 1940, Serial No. 357,333
2 Claims. (Cl. 29—157)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The method of forming a curved pipe section, which consists in providing a pair of flat plate blanks defined transversely by a pair of substantially concentric edges, the medial radius of each blank being substantially the same as that of the finished pipe section, progressively rolling said blanks along said medial radius by gradually increasing pressure into a trough-shape to cause both a transverse and a longitudinal flow of metal, thereby producing a uniform wall thickness, and then integrally uniting the corresponding edges of said sections.

2,240,526
RADIO SHIELDING OF ENGINE IGNITION
R. Harry Stone, Bound Brook, N. J., assignor to Titeflex Metal Hose Co., a corporation of New Jersey
Application January 23, 1936, Serial No. 60,425
8 Claims. (Cl. 123—148)

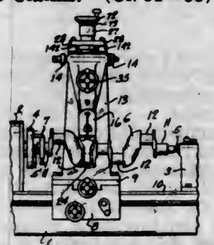
1. The combination with a manifold for the ignition conductors of an internal combustion engine, said manifold adapted to embrace the engine shaft, of spark plug leads leading from the said manifold to the spark plugs and magneto leads establishing connection between the said manifold and a magneto, said manifold providing a casing for the ignition conductors, said manifold having sections of different flexibility and means for stiffening the manifold at the flexible sections.



5. A manifold for a radio shielded ignition system for an internal combustion engine comprising a fluid-tight radio shielding casing having electrical terminals mounted thereon for connecting with magneto leads and spark plug leads and conductors within said manifold establishing connections between the said magneto and spark plug terminals and an insulating compound about said conductors in said manifold.

6. A manifold for a radio shielded ignition system for an internal combustion engine comprising a radio shielding casing, conductors within said casing for establishing electrical connection from the magneto leads to the spark plug leads and hardened insulating compound filling said manifold about said conductors.

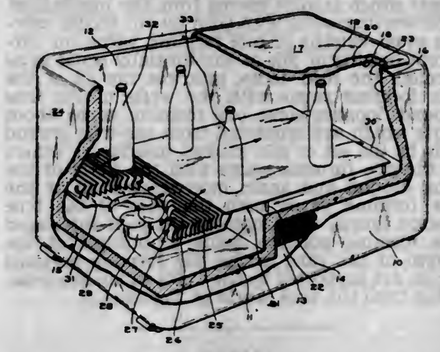
2,240,527
CRANKSHAFT GRINDER
Joseph Sunnen, Clayton, Mo.
Application May 22, 1939, Serial No. 275,092
28 Claims. (Cl. 51—55)



1. In a device of the class described, a grinding wheel having a cutting face lying in a plane, a grinding wheel guide engaging the bearing which is to be ground, and a rocking connection between said wheel and said guide, said rocking connection comprising a rectilinear surface connected to the grinding wheel and lying in a plane parallel to the cutting plane thereof, and an arcuate surface on which said rectilinear surface rocks.

2,240,528
BOTTLE COOLER
Elo C. Tanner, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 15, 1938, Serial No. 219,311
7 Claims. (Cl. 62—102)

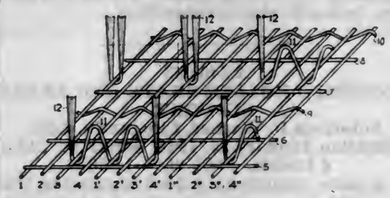
1. In a dry bottle cooler, the combination of an insulated chamber, a substantially horizontal shelf therein for supporting bottles, said shelf being spaced from the bottom and from two opposite vertical walls of said chamber, a cooling unit in the space between the shelf and one of said vertical walls, said cooling unit having substantially vertical air passages and a broad upper surface adapted to support bottles, and means for circulating air through said air passages, over said shelf, through the space between the shelf and the other of said vertical walls, and below the shelf to the cooling unit.



2,240,529
MANUFACTURE OF PLASTERS
George Crawford Tyce, Norton-on-Tees, and Victor Lefebure, London, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 11, 1936, Serial No. 68,350. In Great Britain March 13, 1935
11 Claims. (Cl. 260—29)

1. A process for the manufacture of a plaster suitable for casting, moulding, trowelling, rolling, brushing or spraying, and capable of setting to a hard glossy mass amenable to working by chiselling, turning, sawing or the like, which comprises preparing an aqueous slurry of an accelerated anhydrite plaster and a cold-hardening aqueous resin syrup containing an acid accelerator which does not react with said accelerated anhydrite plaster, said resin syrup being selected from the class consisting of urea-formaldehyde and thioureaformaldehyde resin syrups, the proportion of resin syrup to plaster not exceeding 100 parts of plaster to 8 parts of syrup.

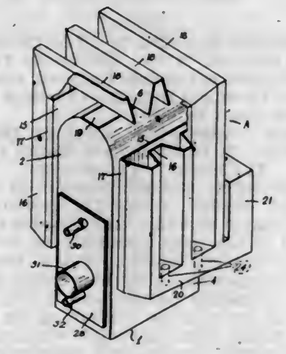
2,240,530
PILE FABRIC MANUFACTURE
Theodore H. Vetterlein, Jr., Bristol, R. I., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application May 13, 1939, Serial No. 273,466
6 Claims. (Cl. 139—21)



1. In the manufacture of pile fabric having

an all over design of different heights of pile and a backing on a loom equipped with a reed and a single set of pile gauges having free ends, said pile gauges running warp-wise, the steps which consist in providing a set of ground warps for a true fabric and a set of ground warps for a false fabric which is to be spaced from the pile gauges, interweaving wefts with both sets of warps, moving equal lengths of pile forming yarns for different heights of pile at substantially equal rates through the reed dents, interweaving all of the pile forming yarns with the wefts of the true ground, looping some pile forming yarns about wefts which are separated from the true ground only by the set of pile gauges, interlacing others of the pile forming yarns with the wefts of the false ground and again interweaving all of the pile forming yarns with the weft of the true ground fabric, the length of the said interlaced pile forming portions being a multiple of the length of the yarn in the pile forming portions which are supported by the wefts which are separated from the true fabric by the gauges.

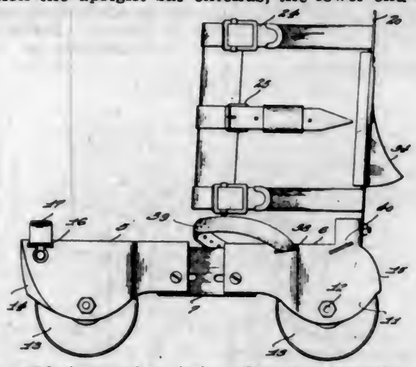
2,240,531
FURNACE
Nathan E. Walker, Amherst, Ohio, assignor, by mesne assignments, to Clyde B. Williams and L. R. Johnson
Application March 19, 1938, Serial No. 196,978
3 Claims. (Cl. 126—116)



1. In a furnace of the character described, a combustion chamber, flues spaced from said chamber and communicating with the upper portion of said chamber, said flues having flat inner walls, and outer walls having outwardly extending corrugations, manifolds communicating with the lower ends of said flues and extending from the front to the rear of said flues and having upper walls extending across the spaces between said corrugations and tubular members extending through said manifolds at points intermediate said corrugations, said tubular members communicating the spaces below said flues with the spaces between said corrugations.

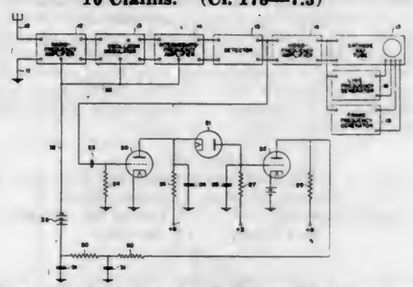
2,240,532
COMBINED ROLLER SKATE AND ANKLE SUPPORT
Sotorious D. Warner, Cincinnati, Ohio
Application January 25, 1940, Serial No. 315,611
6 Claims. (Cl. 280—11.36)

1. A skate comprising a foot supporting frame, an upright bar secured to the heel portion of said frame, an ankle supporting sleeve, and a socket member secured to the sleeve and through which the upright bar extends, the lower end of



the socket member being flared outwardly to permit limited lateral movement of the sleeve.

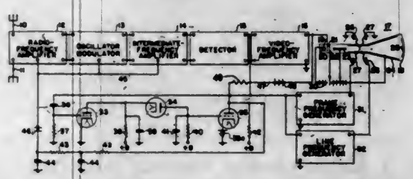
2,240,533
AUTOMATIC CONTROL OF TELEVISION RECEIVING SYSTEMS
John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application March 15, 1938, Serial No. 195,955
10 Claims. (Cl. 178—7.3)



1. A television receiver adapted for the reception of positively-modulated television signals including background components, synchronizing components, and video-frequency light-modulation components, comprising asynchronous control means responsive to a predetermined intermediate amplitude level of the modulation envelope of said signals and including a time-constant circuit for substantially eliminating the effect of said synchronizing components on the output thereof for developing a controlling effect, and means for utilizing said controlling effect for adjusting an operating characteristic of the receiver.

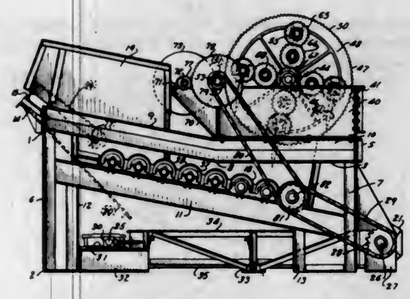
2,240,534
TELEVISION RECEIVING SYSTEM
John Charles Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application October 13, 1938, Serial No. 234,741
14 Claims. (Cl. 178—7.3)

1. A television receiver adapted to reproduce a television signal-carrier wave having light-modulation components including a component corresponding to a predetermined shade level which tends to vary during reproduction and line-synchronizing modulation components outside the amplitude range of said light-modulation components comprising, means for deriving from a received carrier its modulation signal, asynchronous means responsive to said predetermined level whenever such level may occur in the signal of duration greater than that of a line-scanning pulse, said means including a time-constant circuit for substantially eliminating the effect of said line-synchronizing components on the output thereof, for deriving a control effect variable



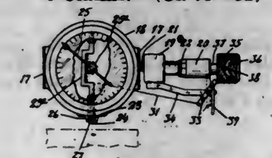
in accordance with the intensity of said carrier wave and independent of light-modulation components, means for utilizing said control effect for maintaining at a constant value a predetermined intermediate signal level of said modulation signal corresponding to said predetermined shade value, and means for utilizing said last-mentioned modulation signal for reproducing the light-modulation components.

2,240,535
LUMP BREAKING APPARATUS
Wilbert L. Strawn, Kansas City, Mo., assignor to United Iron Works Company, Pittsburg, Kans., a corporation of Delaware
Application November 14, 1938, Serial No. 240,251
6 Claims. (Cl. 83—52)



1. An apparatus for breaking lump material including a supporting frame, a plurality of grizzly rolls journalled on the frame, means for driving the grizzly rolls to effect movement of the lump material across the same in one direction, a lump breaking mechanism including a plurality of picks, means supporting said lump breaking mechanism over the grizzly rolls, means for moving said picks into and out of splitting contact with said lumps of material moved across the grizzly rolls for cooperation therewith, means for effecting continuous advance of the picks over the grizzly rolls in the direction of advance of the lump material by the grizzly rolls, means for retaining the picks in perpendicular position with respect to the grizzly rolls during said movement, and means for actuating said pick advancing means in substantial synchronism with movement of said lump material over said grizzly rolls.

2,240,536
APPARATUS FOR DETERMINING THE NATURE OF SURFACES
Ragnar Woxén, Lidingo, Sweden, assignor to Aktiebolaget C. E. Johansson, Eskilstuna, Sweden, a company of Sweden
Application January 31, 1939, Serial No. 253,859
In Sweden February 2, 1938
9 Claims. (Cl. 73—51)



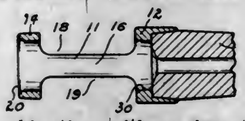
1. Apparatus for determining the nature of surfaces of bodies, comprising in combination a measuring needle movable in a direction towards the surface to be measured, a measuring instrument cooperating with said measuring needle so as to show the position of the latter relatively to said surface, manually adjustable means for effecting lateral movement of said needle and said surface relatively to one another, and means for raising said measuring needle from said surface, said means for raising said needle being associated with said manually adjustable means for effecting lateral movement of said needle by a lost motion connection, so that upon initial actuation of said manually adjustable means, said measuring needle is raised from the surface to be measured, and is afterwards moved laterally relatively to the same upon further actuation of said means.

2,240,537
COMPOSITION HEADER AND TUBE PLATE FOR RADIATORS
Fred M. Young, Racine, Wis.
Application March 14, 1938, Serial No. 195,686
2 Claims. (Cl. 257—154)



2. A heat exchanger of the class described, comprising spaced headers having relatively thick detachably secured tube plates made of synthetic rubber, a number of tubes forming an operating connection between said tube plates and a multiplicity of closely spaced fins through which said tubes extend, said tube plates having sleeves vulcanized therein and being adapted to embrace the ends of said tubes, whereby said tubes may be inserted and expanded into their sleeves to thereby form liquid and gas tight metal joints.

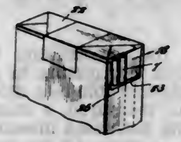
2,240,538
CIGARETTE HOLDER AND EXTINGUISHING MEANS
John H. Adams, Seattle, Wash.
Application June 21, 1939, Serial No. 280,384
4 Claims. (Cl. 131—187)



1. The combination with a cigarette mouthpiece, of a holder including two spaced bands and a connecting bar formed of heat radiating

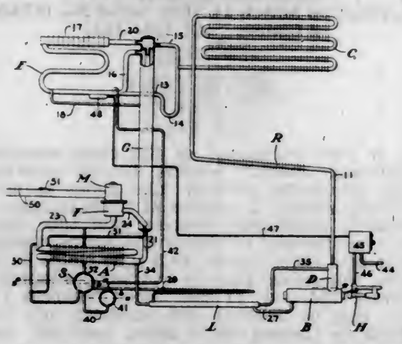
and conducting material, the inner of said bands having an interior shoulder forming an attaching flange engaging the mouthpiece and a reduced narrow seat adapted to receive and retain a cigarette, and the outer supporting band having an inner bore and outwardly flared mouth to non-compressibly engage and support a cigarette.

2,240,539
CIGARETTE PACKAGE
Charles C. Baldwin, St. Louis, Mo.
Application December 14, 1938, Serial No. 245,757
12 Claims. (Cl. 229—51)



1. A cigarette package comprising an inner wrapper having a closed top and an outer wrapper receiving the inner wrapper, said wrappers being provided with registering weakened portions adapted to be successively severed to expose the upper portions of adjacent cigarettes and permit selective removal of a cigarette from the package leaving the entire top of the inner wrapper intact and permanently in its initial plane.

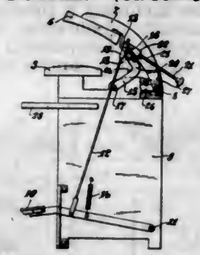
2,240,540
REFRIGERATION
Justice H. Beach, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application March 25, 1939, Serial No. 264,105
19 Claims. (Cl. 62—5)



1. In a three-fluid absorption refrigerating system, a generator, means to heat the generator, means for varying the rate at which heat is supplied to the generator in response to refrigeration demand, a constantly operating power driven absorption solution circulator, and means for altering the level of the absorption solution supplied to said solution circulator in response to refrigeration demand.

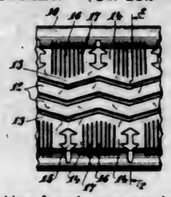
10. That improvement in the art of absorption refrigeration which includes the steps of varying the rate of refrigerant generation in accordance with the demand for refrigeration and maintaining the concentration of the refrigerant in the absorbent solution in the solution circuit by regulating the liquid levels therein in accordance with the demand for refrigeration.

2,240,541
CLOTHES PRESSING MACHINE
Edward Beech, Woodside, N. Y.
Application May 23, 1939, Serial No. 275,170
4 Claims. (Cl. 38—36)



2. A clothes pressing machine, comprising cooperating bucks, a lever carrying one of said bucks, a base on which said lever is pivoted, toggle links pivotally connected together and pivotally connected at their free ends with said base and lever respectively, one of said toggle links being angled to rock past a toggle dead center position and having stop means limiting such motion and a cushion stop on one of the toggle links engageable by a portion of the other toggle link for yieldingly stopping and limiting movement of the links in a toggle opening direction to a position less than a fully straightened position of the toggle centers and foot pedal mechanism connected to rock the buck carrying lever in a press closing direction and to freely swing the angularly related toggle links in so doing and one of said toggle links having a projecting handle for arbitrary operation of the same.

2,240,542
TIRE
Pierre Marcel Bourdon, Paris, France, assignor to Michelin & Cie, Clermont-Ferrand, France, a corporation of France
Application July 27, 1935, Serial No. 33,434
In France September 29, 1934
13 Claims. (Cl. 152—209)

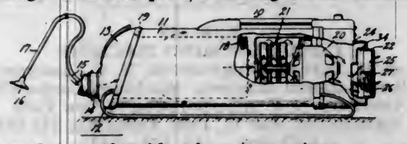


1. A vehicle tire having a central primary load carrying wearing tread portion having protuberances thereon substantially inflexible circumferentially thereof, and tread sections on opposite sides of the central tread portion comprising relatively rigid supporting blocks spaced circumferentially and a plurality of flexible ribs disposed between said supporting blocks and extending outwardly from the central tread member.

2,240,543
VACUUM CLEANER
Charles L. Brown, Jr., Stamford, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application December 21, 1937, Serial No. 181,018
8 Claims. (Cl. 230—47)

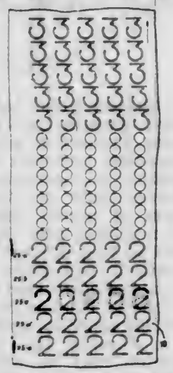
1. In a vacuum cleaner, a casing, means for producing a flow of air through said casing, a

louver assembly secured to said casing having plurality of exhaust openings, a housing located in said casing secured to said louver assembly and having a port, two flat plates and an arcuate partition secured to said housing forming within said housing a first chamber communicating with one of said exhaust openings and said port and a second chamber communicating with the other of said exhaust openings and through a passage with said port, a sliding louver mounted



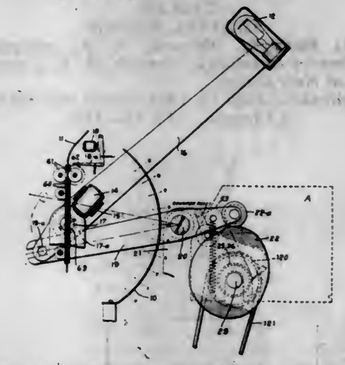
in said one of said exhaust openings, a spring biasing said sliding louver to a position flush with the surface of said louver assembly, means upon insertion of a hose in said one of said exhaust openings displacing said sliding louver against the bias of said spring, and a skirt carried by said sliding louver closing the passage from said port to said second chamber upon the insertion of said hose in said one of said exhaust openings.

2,240,544
READING MACHINE
James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 27, 1936, Serial No. 107,819
11 Claims. (Cl. 235—61.11)



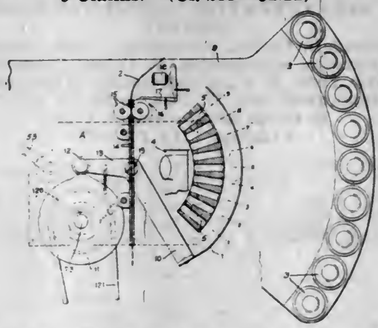
2. A reading device of the character described controlled by a record sheet bearing various graphical characters, which characters may be irregularly disposed thereon in different positions other than the normal positions where they should appear, having means for reading each character formed on the sheet to determine the true character significance thereof, said reading means including the combination of a comparing member bearing comparing characters for identifying the regularly disposed characters on the sheet, of additional comparing characters formed on the comparing member for identifying the irregularly disposed characters on the sheet, of means for projecting, by radiant energy, an image of each character appearing on the sheet upon the comparing member, of means for effecting relative movement between the said image and comparing characters for causing the comparing characters to be brought successively into cooperative relationship with the character image, and, of means sensitive to said radiant energy for determining when correspondence exists between a comparing character and the image of the character projected upon the comparing member.

2,240,545
READING MACHINE
James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 28, 1936, Serial No. 108,001
10 Claims. (Cl. 235—61.11)



1. In a reading device of the character described controlled by a record medium having various characters disposed thereon, a stationary comparing member having all the characters to be read disposed thereon, a work circuit, means for projecting the image of the character to be read progressively from one character on the stationary comparing member to another, and means controlled upon correspondence of one of the characters disposed on the said comparing member and the character image projected thereupon for influencing the said work circuit.

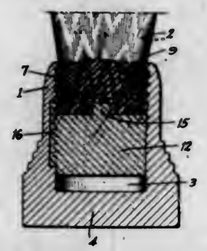
2,240,546
READING MACHINE
James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 29, 1936, Serial No. 108,192
9 Claims. (Cl. 235—61.11)



5. In a reading device of the character described controlled by a record medium having various characters disposed thereon, a comparing member having all the different characters to be read disposed thereon, means for producing a plurality of images of the character to be

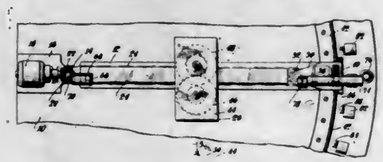
read for projecting simultaneously each one of the said images upon the different characters on the comparing member, means for determining a condition of correspondence between one of the characters on the comparing member and one of the character images projected thereupon, and means controlled by the determining means upon correspondence of one of the images of the character to be read and one of the characters on the comparing member for indicating the identity of the character read.

2,240,547
SHAVING BRUSH
Barnett Buddish, Newark, N. J., assignor to Rubberset Company, Newark, N. J., a corporation of New Jersey
Application July 18, 1938, Serial No. 219,684
4 Claims. (Cl. 15—193)



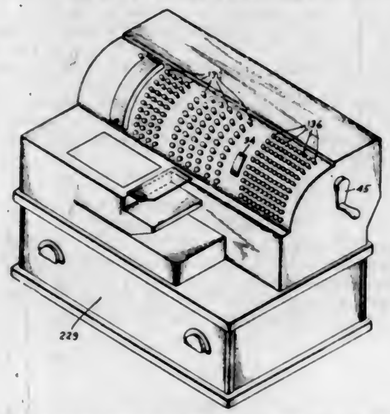
2. A shaving brush which comprises a handle having a cavity completely closed at one end by an integral part of the handle, the opposite end of said cavity being closed by a bristle unit including a ferrule, said bristle unit having the butt end of the bristles projecting beyond the ferrule, a bonding agent uniting the butts of the bristles and said ferrule, said ferrule and handle having inter-engaging threads, and a mass of plaster-like material in said cavity around the projecting butt end of the bristles for firmly retaining the bristle unit in the handle, said mass of plaster-like material and the butt end of the bristles having an inter-locking groove and projection.

2,240,548
APPARATUS FOR FORMING CURVED SHEETS
Edmund B. Cairns, Naugatuck, Conn., assignor, by mesne assignments, to Cairns Corporation, New York, N. Y., a corporation of Delaware
Application July 27, 1938, Serial No. 221,473
In Great Britain August 3, 1937
4 Claims. (Cl. 153—58)



1. A device for imparting a longitudinal and transverse curvature to a sheet of metal comprising means for restraining the ends of the sheet of metal against movement toward each other, a substantially horizontal support, complementary concave and convex forming elements mounted for movement longitudinally and transversely of the support with their axes perpendicular thereto and means for moving the forming elements transversely and longitudinally of the support, said last-named means comprising a guide rail for guiding the forming elements, means connecting one end of the guide rail to the support and means for moving the other end of the guide rail relatively to the support.

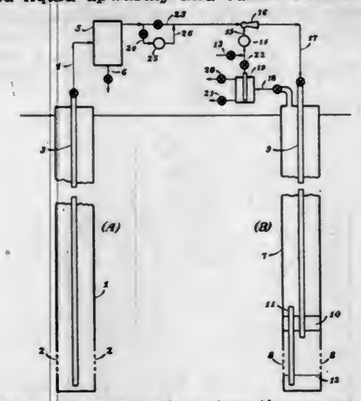
2,240,549
CARD PUNCHING MACHINE
Fred M. Carroll, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 11, 1939, Serial No. 272,989
3 Claims. (Cl. 164—113)



1. In a cash register which includes, a slidable drawer mounted beneath the cash register and which is customarily used as a cash drawer, and exterior manipulative elements for effecting entries in said register in accordance with the positioning of differentially set elements thereof, the combination of punch operating elements of a punching machine, said punching machine being assembled in said drawer, electrical punch selecting elements in said cash register and including means mounted to said differentially set elements, and circuit connecting means between said punch selecting elements and the punch operating elements, whereby the operation of the punching machine may be effected while the drawer is within said register and said drawer may be pulled out for access to said punching machine during the operation of the cash register.

2,240,550
METHOD OF RETURNING GAS TO GAS-PRODUCING FORMATIONS
Daniel R. Conlon, Jr., Upper Darby, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 13, 1939, Serial No. 309,035
7 Claims. (Cl. 166—21)

1. The method of returning gas to a high pressure gas-producing formation, which comprises introducing gas and liquid into a well communicating with said formation, conducting said gas and liquid downwardly through said well in such a manner that the liquid exerts a hydrostatic pressure upon the gas sufficient to overcome, at least in part, the gas pressure existing in said well, separating said gas from said liquid adjacent the bottom of said well, passing said separated liquid upwardly and out of said well, and



flowing said separated gas into the gas-producing formation surrounding said well.

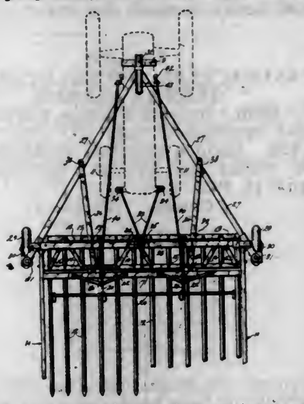
2,240,551
TABLE
Joseph Cooper, New York, N. Y.
Application October 14, 1939, Serial No. 299,500
2 Claims. (Cl. 311—45)



1. In a table, a supporting frame, a fixed leaf carried by the frame centrally thereof, two edgewise movable leaves normally in edge abutment and disposed over and concealing the fixed leaf and a cam control device for each of said movable leaves, said cam control comprising a plate formed with two substantially parallel channelways and an inclined channelway connecting the parallel channelways, a latch projection being formed intermediate the parallel channelways, a block depending from the movable leaf, and an element projecting laterally of the block and entering the said channelway formation, said element resting on a channelway area below the latch projection when the appropriate edgewise movable leaf is in edge abutment with the fixed leaf.

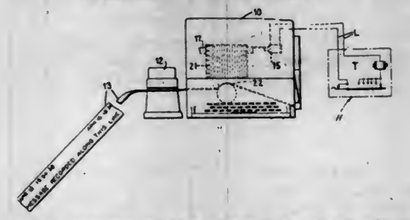
2,240,552
SWEEP RAKE AND VEHICLE THEREFOR
Joseph H. Cope, Denver, Colo., and Garold C. J. Gray, Hastings, Nebr., assignors to Western Land Roller Company, Hastings, Nebr., a copartnership consisting of Chas. M. Anderson, M. George Anderson, Arthur H. Anderson, Edna F. Anderson, Paul Anderson and Carrie Glass
Application May 11, 1940, Serial No. 334,538
4 Claims. (Cl. 56—27)

2. A power operated load moving machine, comprising in combination, a tractor, a load supporting vehicle attached thereto, said vehicle comprising a frame that encloses the front wheels of the tractor, means for effecting a movable connection between the frame and the tractor at a point to the rear of the front wheels thereof, means for resisting relative transverse movement of the frame and the tractor while permitting relative vertical movement, a pair of caster wheels attached to the front end of the frame for supporting the front end independently of the tractor, a pair of rigid support bars secured to the frame and projecting forwardly beyond the front



end thereof, and a load carrying device supported by the bars for movement about a horizontal pivot.

2,240,553
TIME RECORDING SYSTEM
Charles R. Doty, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 8, 1938, Serial No. 212,527
5 Claims. (Cl. 234—27.5)



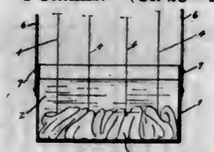
1. In a system of the class described wherein a signaling device and operating means therefor are provided; the combination of a switch and closing means for said switch operated by the device upon each signal operation, a control circuit established upon initial closure of the switch, time recording means operated under the control of the control circuit, a periodic time impulse circuit, and means operated by the time recording means for transferring the control of the time recording means from the initial control circuit to the periodic time impulse circuit.

2,240,554
MANUFACTURE AND TREATMENT OF TEXTILE FABRICS
Henry Dreyfus, London, England
No Drawing. Application July 23, 1938, Serial No. 221,029. In Great Britain August 14, 1937
2 Claims. (Cl. 28—1)

1. Process for producing enhanced crêpe effects on fabrics containing high twist yarns having a basis of an organic derivative of cellulose, at least part of the twist having been inserted in the presence of moist steam or hot water, which comprises subjecting the fabrics to the action of a hot aqueous liquor while keeping the liquor and the fabric in constant motion relative to each other, such motion being substantially more violent than the relative motion caused by a

gentle boiling of the liquor, and being caused by the passage of large bubbles of gas from an external source through the liquor.

2,240,555
MANUFACTURE AND TREATMENT OF TEXTILE FABRICS
Henry Dreyfus, London, England
Original application July 23, 1938, Serial No. 221,029. Divided and this application May 8, 1940, Serial No. 333,950. In Great Britain August 14, 1937
4 Claims. (Cl. 28—1)



1. Process for producing crêpe effects on fabrics containing high twist yarns having a basis of an organic derivative of cellulose, at least part of the twist having been inserted in the presence of moist steam or hot water, which comprises suspending the fabrics from strings in a hot aqueous liquor, and by continually moving the strings keeping the liquor and the fabric in constant motion relative to each other, such motion being substantially more violent than the relative motion caused by gentle boiling of the liquor.

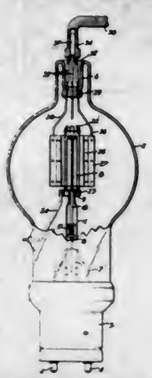
2,240,556
WRENCH
Ole A. Eide, Minneapolis, Minn.
Application November 4, 1939, Serial No. 302,886
7 Claims. (Cl. 81—111)



1. A wrench comprising a tubular shank, a handle extending laterally from the shank, a housing connecting the shank and handle, an operating rod shiftably mounted in the shank, work engaging jaws pivoted on the shank and movable to work engaging positions by shifting movement of the rod, a gear train rotatably mounted in the housing, a rack on the operating rod engaged by one gear of the gear train, a collar rotatably mounted on the handle, and a gear on said collar operatively arranged for actuating said gear train.

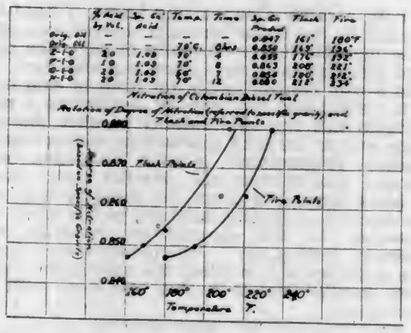
2,240,557
THERMIONIC TUBE
William W. Eitel and Jack A. McCullough, San Bruno, Calif.
Application September 26, 1939, Serial No. 296,610
4 Claims. (Cl. 250—27.5)

1. In a thermionic tube, a cathode structure comprising a filament, a standard, a filament supporting arm slidable on the standard, a sleeve embracing the standard and bearing at one end



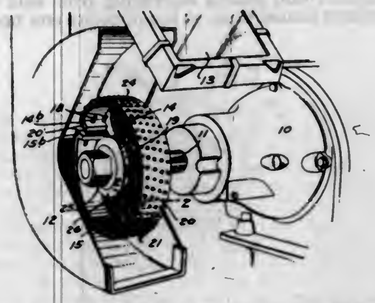
against said arm, and a spring surrounding the standard and bearing against the other end of the sleeve for tensioning the filament.

2,240,558
NITRATED DIESEL FUEL AND PROCESS OF MAKING SAME
Carleton Ellis, Montclair, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 7, 1936, Serial No. 62,759
1 Claim. (Cl. 44—9)



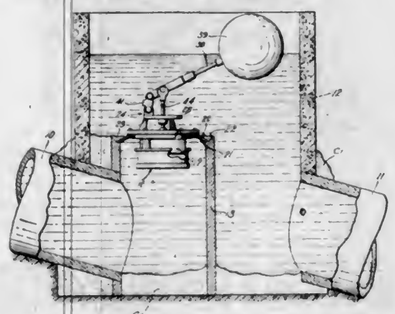
A method of improving the ignition quality of a Diesel fuel for more efficient combustion in a compression-ignition engine, which comprises mixing a petroleum distillate Diesel oil having a higher boiling range than gasoline and a cetane number higher than about 44 with dilute nitric acid of specific gravity from about 1.09 to about 1.37 in proportions ranging from about equal volumes of the Diesel oil and acid to 5 volumes of the Diesel oil to 1 volume of the acid, maintaining the resulting mixture at a temperature below 100° C. for a period adequate to form oil-soluble nitrated derivatives from some of the oil components without substantial oxidation of the oil to acidic bodies and to form less than about 1% of sludge impurities, said nitration being limited to materially increase the nitrogen content of the oil by about 0.06 to 0.42% through the formation of said nitrated derivatives, and thereafter recovering the treated oil containing said nitrated derivatives in solution by separation of any excess spent nitrating agent therefrom.

2,240,559
BUFFING DEVICE
Paul E. Hawkinson, Minneapolis, Minn., assignor to Paul E. Hawkinson Company, Minneapolis, Minn., a corporation of Minnesota
Application December 4, 1939, Serial No. 307,477
3 Claims. (Cl. 29—78)



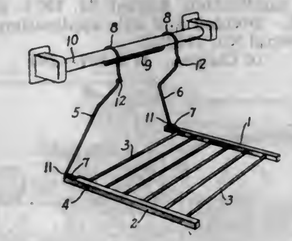
1. A buffer wheel made up of hingedly connected segments, each segment having an approximately semi-cylindrical rim flange terminating in radially inturned anchoring lugs, and a buffer band applied around the rim flanges of said segments and having inturned ends anchored to the respective lugs, the ends of said buffer band being joined to their inturned ends by curved portions, and said rim flanges being joined to their respective anchoring lugs by curved or truncated portions, the radii of the arcs of which latter are much greater than the radii of the arcs of the curved ends of said buffer band, whereby, under forced closing of said segments, the curved portions of said band will be drawn into shapes more closely corresponding to the curve of the truncated portions of said rim flanges.

2,240,560
VALVE
Albert T. King and Kenneth A. King, Orange, Calif.
Application October 2, 1939, Serial No. 297,497
11 Claims. (Cl. 137—104)



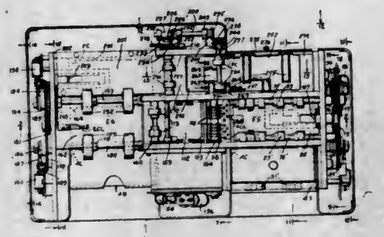
1. Valve means for use in connection with a pipe part delivering liquid to a chamber having an outlet, the valve means comprising a mounting flange for application to the pipe part, a supporting bracket above the flange, a sealing gasket between the flange and bracket having an exposed part, a cylinder suspended from the bracket to be below the flange and within the pipe part, a piston valve movable in the cylinder and cooperable with the exposed part of the gasket to close off flow from said pipe part, and float means supported on the bracket responsive to the level in said chamber to operate the valve.

2,240,561
PORTABLE CLOTHES RACK
Frank La Grotta, New York, N. Y., assignor to Conver Steel & Wire Co., Inc., New York, N. Y., a corporation of New York
Application February 8, 1940, Serial No. 317,801
3 Claims. (Cl. 211—87)



1. A portable clothes rack adapted to hook on and be supported by a towel rack, including a frame having side bars and cross rods extending between the side bars, a hanger made of a single piece of wire including two legs, each of said legs terminating at one end in a hook, a cross bar joining the ends of the hooks together, the opposite end of each leg being bent to form a cross bar to engage the upper face of the adjacent side bar of the frame and thence forwardly to pivotally engage a side face of said side bar whereby the cross bar is located between the pivot point on the side bar and the inner end of the side bar.

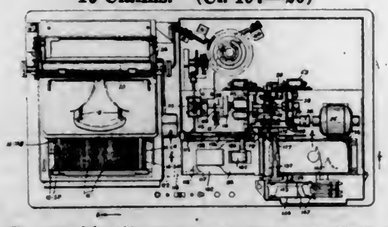
2,240,562
CARD CONTROLLED TYPEWRITER
Clair D. Lake, Binghamton, and Francis E. Hamilton, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 17, 1937, Serial No. 126,152
29 Claims. (Cl. 197—20)



17. In a machine of the class described; a plurality of separate stacks of individual designation-bearing record cards, analyzing means for analyzing cards from the plurality of stacks successively, one card at a time, for designations, means for selectively feeding a card from one or another of the stacks to the analyzing means to be analyzed, means conditioned under control of the analyzing means in accordance with designations on cards analyzed from the separate stacks for selectively controlling the feeding means to feed cards from one or another of the stacks to

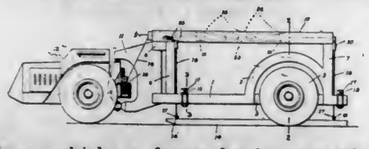
the analyzing means, and a single designation translating means controlled by the analyzing means in response to designations of cards fed from the separate stacks for operation according to designations on the analyzed cards.

2,240,563
ZERO ELIMINATING MEANS
Clair D. Lake, Binghamton, and Francis E. Hamilton, Endicott, N. Y., assignors to International Business Machines Corp., New York, N. Y., a corporation of New York
Original application August 31, 1938, Serial No. 227,784. Divided and this application June 14, 1939, Serial No. 279,013
10 Claims. (Cl. 197—20)



1. In combination, means to sense digit designations representing a plural order number, recording mechanism to record the equivalents of the designations, means controlled by the sensing means for causing operation of the recording mechanism according to the sensed designations, means to suppress effectivity of the sensing means to detect zero digit designations, and means controlled by the sensing of the first significant digit designation of said number for restoring the sensing means to effectivity to detect subsequent zero designations of the number.

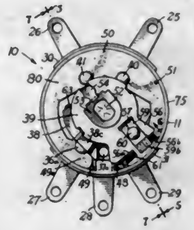
2,240,564
TRAILER
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation of California
Application July 9, 1940, Serial No. 344,525
7 Claims. (Cl. 254—4)



1. In a vehicle, a frame having spaced side members disposed above the ground, a separate load supporting bed normally disposed between said members in carrying position, and a plurality of supporting assemblies mounted on said side members in spaced relation and releasably cooperating with the bed, each such assembly comprising a vertically disposed, inwardly opening C-clamp, the adjacent portion of the bed engaging in the throat of said C-clamp.

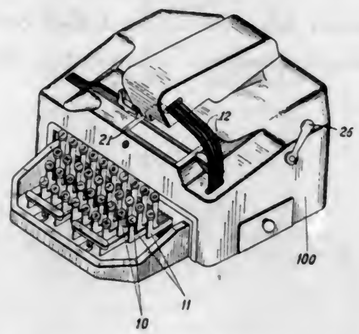
2,240,565
VOLUME CONTROL
Jesse Marsten, Philadelphia, Pa., assignor to International Resistance Company, Philadelphia, Pa., a corporation of Delaware
Application January 7, 1937, Serial No. 119,469
6 Claims. (Cl. 201—55)

1. In apparatus of the class described, in combination, a dielectric base, a shaft, a contactor secured to said shaft, said base having a flat surface the plane of which is substantially at right angles to the axis of said shaft, a resistance path comprising an annular carbonaceous coating of even width on said flat surface of said base in position for engagement by said contactor and spaced outwardly from said shaft, terminal connections at the opposite end portions



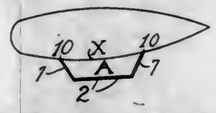
of said path, a tap on said base located between said path and said shaft, and a strip of highly conductive material applied to said base and running from said tap across a predetermined point on said path intermediate said terminal connections to form a good electrical connection between said point and said tap, said tap being insulated from said path except at said point by way of said last-mentioned connection.

2,240,566
CARD PUNCHING MACHINE
Michael Maul, Berlin-Johannisthal, Germany, assignor to the firm Deutsche Hollerith Maschinen Gesellschaft m. b. H., Berlin-Lichterfelde, Germany
Application June 11, 1940, Serial No. 339,851
In Germany November 11, 1939
6 Claims. (Cl. 164—112)



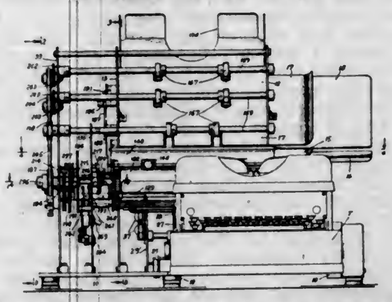
1. In a record punching machine adapted to selectively punch in a plurality of decks thereof, the combination with a keyboard comprising two sets of punch controlling keys, one set for effecting numeral punching and the other set for effecting alphabet punching in said decks, of locking devices for one set of keys to prevent operation thereof, a deck selecting device for determining which deck is to be punched upon the operation of said keys, and means actuated by said selecting device and rendered effective upon selection of a certain deck for punching operations to cause said locking devices to be effective to lock one set of keys.

2,240,567
COFFERDAM
Merle R. Meacham and Otto Lessing, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application October 18, 1939, Serial No. 299,918
2 Claims. (Cl. 61—1)



1. An apparatus of the character described, comprising a canvas curtain including a center portion and end portions spaced thereby, a reverse loop in the upper edge of each curtain portion, an inflatable float member disposed within each loop, weight means secured to the lower edge of each portion, a plate member secured to each end portion at its outer edge, resilient wing members, integral with said plate, and extending laterally therefrom, a plurality of magnets disposed in spaced relation along the vertical edge of each plate member between said wings, and inflatable tube, sealing members secured to said wing elements laterally of the plates and magnets, said sealing members protruding slightly beyond the magnets, when inflated.

2,240,568
SHEET FEEDING APPARATUS
Albert W. Mills, Endicott, Frank J. Furman, Vestal, and Sigurd L. Walsoe, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 23, 1939, Serial No. 280,772
11 Claims. (Cl. 197—130)



1. In combination with a writing unit having printing means and a laterally movable carriage provided with a platen over which a sheet is fed to be printed on by the printing elements, cyclically operable power means, means controlled by the power means to insert a sheet on the platen, and means for initiating a cycle of the power means only when the carriage is in an end position and including a device rendered effective by the carriage when in the end position.

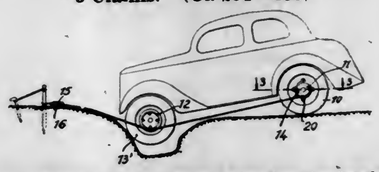
2,240,569
MULTIPLE SECTION MOTOR
Thomas G. Myers, Los Angeles, Calif., assignor to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California
Application January 23, 1939, Serial No. 252,322
10 Claims. (Cl. 172—36)

1. In a sectional electric motor, at least a pair of motor units, each unit including a stator winding, as well as an annular stator structure cooperating with the winding, and also a casing by the aid of which the stator structure is supported, there being a shaft for each unit, means



connecting the units, means coupling the shafts, and a bearing structure in each unit for supporting the associated shaft, said structure being mounted within the annular stator structure.

2,240,570
SYSTEM FOR FREEING MOTOR VEHICLES
Karl Adolf Oesterheld, Eichriede, near Wunstorf, Germany
Application October 12, 1938, Serial No. 234,703
In Germany October 15, 1937
3 Claims. (Cl. 254—166)

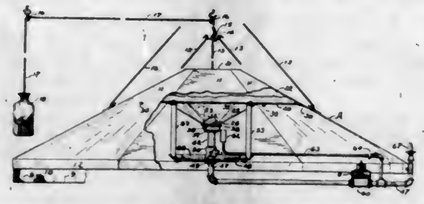


3. In a system for pulling the front wheels of a motor driven vehicle out of ditches, mud holes or the like, the combination comprising a motor vehicle having front wheels and driven rear wheels, bolts for detachably securing said rear wheels, a cable drum attached to each of said rear wheels by said bolts, a sheave attached to each of said front wheels and rotatable therewith, an anchor located at a distance from and in front of the vehicle, and a cable attached to each of said drums and extending therefrom in a line substantially coincidental with a horizontal line between each set of front and rear wheels, towards said sheave and beneath the same straight to said anchor, being connected thereto, whereby said cable will be made taut upon operation of said drum, serving the dual function of lifting the front wheel and acting as a rail for the forward propulsion thereof.

2,240,571
GAS BURNING FLOOR BROODING HOVER
John B. Olson and Harry O. Petraske, Fort Atkinson, Wis., assignors to James Manufacturing Company, Fort Atkinson, Wis., a company of Wisconsin
Application March 6, 1940, Serial No. 322,582
8 Claims. (Cl. 119—32)

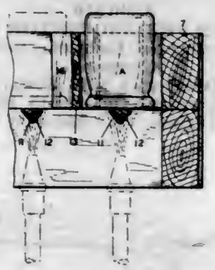
1. A floor hover of the class described, com-

prising a canopy having an opening in its top and a ceiling forming upper and lower chambers, a V-shaped heat deflector shell supported on the under side of said ceiling and contacting the ceiling to thereby form a dead air space therebetween, a relatively small in diameter gas burner positioned near the bottom of said deflector and



having openings in its periphery for the passage of the air and gas mixture, and a pan having a diameter about equal to the diameter of said deflector and being secured to said ceiling by means of a number of spaced posts, said burner being secured to said pan and held thereby in its working position.

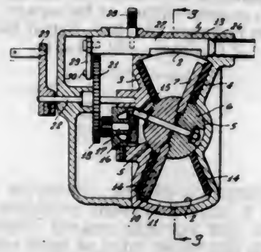
2,240,572
CREAM BOTTLE WASHER
Hyla Poxon, San Francisco, Calif.
Application February 5, 1940, Serial No. 317,325
1 Claim. (Cl. 141—7)



A tray for use in washing small cream bottles consisting of a rectangular frame, V-shaped channel pieces carried by said frame, the apex of said V-shaped channels being downward to be contacted by a stream of cleaning fluid, wood crosspieces carried by said channels and having their upper surfaces spaced slightly above the upper surface of said channel pieces, compartments formed above said crosspieces to support bottles on said crosspieces and straddling said crosspieces, said compartments comprising spacers supported in said rectangular frame and staggered with relation to said crosspieces, connecting partitions extending between said spacers, and fillets positioned in the corners of the compartments thus formed, said fillets, said spacers, and said connecting partitions being joined one with the other.

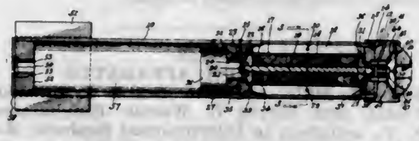
2,240,573
VALVE AND STOP FOR WOBBLER MOTORS
Karl K. Probst, Detroit, Mich., assignor to William L. Hoburg, Sharpsburg, Pa., as trustee for the Meter Motor Products Co.
Application January 20, 1939, Serial No. 251,940
13 Claims. (Cl. 121—69)

1. In combination, a motor comprising a housing, a fluid impelled member in said housing, means for circulating fluid under pressure through said housing to impel movement of said member, and a unitary manually operable means including a valve for preventing the flow of fluid



and a positive stop for stopping movement of said member at a point in its cycle which may be predetermined.

2,240,574
AIRCRAFT FLOAT LIGHT
Max J. Eichschmidt, Elkton, Md.
Application October 19, 1936, Serial No. 106,471
2 Claims. (Cl. 102—24)

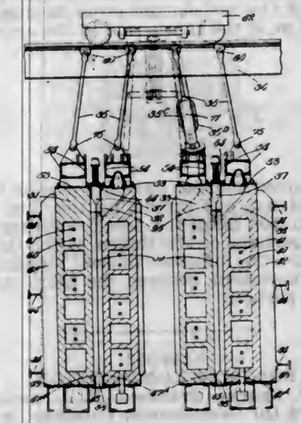


1. A device as described comprising a head having a through opening in a central portion and a substantially frusto conical recess in its lower end portion with the wider end of the recess presented downwardly and reaching out to a diameter just short of the external diameter of the head, a resilient diaphragm of a diameter approaching that of the head seated at its marginal edge upon the enlarged base portion of the frusto conical recess, a perforated nose fitted below and in contact with the normal sprung condition of the resilient diaphragm and having a marginal flange, a downwardly projecting rim on said head extending in common about the margins of said diaphragm and nose flange and being crimped inwardly upon the nose to form a tight fastening for the marginal edge portion only of the diaphragm, firing means carried by an intermediate portion of the diaphragm, a pyrotechnic unit having its forward end supported by said head having a forward projection extending through the opening in said head, a primer carried by said projection in the upper narrower part of said recess opposite said firing means, a shell having its forward end affixed to said head and surrounding said pyrotechnic unit, and means in said shell for supporting the rear portion of said pyrotechnic unit.

2,240,575
APPARATUS FOR COKING COAL
Franz Puening, Claygate, England
Application July 4, 1939, Serial No. 282,785
In Great Britain July 16, 1938
23 Claims. (Cl. 202—105)

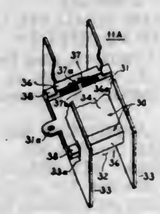
1. A coking oven including a plurality of coking chambers each formed between hollow coking walls, means for passing heating gases through said walls, means for varying the distance between adjacent walls, and means for sealing each

chamber individually from the atmosphere, each intermediate coking wall acting as a separating



wall between two chambers, and an external distillate offtake for each chamber.

2,240,576
SOUND TRANSLATING DEVICE
Harold Charles Pye, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 24, 1938, Serial No. 209,805
1 Claim. (Cl. 175—336)

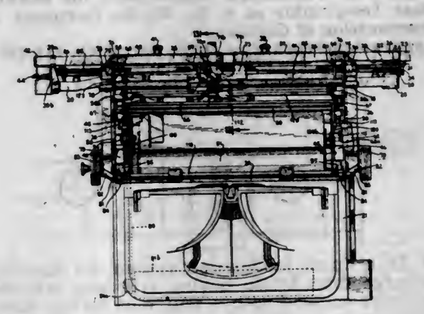


An assembly for a sound translating device comprising, in combination, a winding spool formed of insulating material and including a longitudinally extending body and laterally extending winding-retaining heads carried on the opposite ends of said body, said body including top and bottom walls formed integral with said winding-retaining heads and side walls arranged in aligned openings provided in said winding-retaining heads, the walls of said body being arranged to define a narrow opening extending longitudinally through said body, and an armature formed of flat magnetic stock and provided with two transversely extending integral lugs, said armature being arranged in the opening in said body and the ends of said lugs being rigidly supported in aligned openings provided in the side walls of said body, whereby said armature is mounted for vibratory movements about an axis extending transversely of said winding spool and out of contact with the walls of said body and said lugs are subjected to torsional strains when said armature is moved.

2,240,577
PRODUCTION OF VALUABLE PETROLEUM HYDROCARBONS
Raphael Rosen and Charles A. Cohen, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original application March 30, 1934, Serial No. 718,200. Divided and this application June 4, 1938, Serial No. 211,800
4 Claims. (Cl. 196—13)

1. A process of separating and recovering constituents of petroleum products which comprises intimately contacting a petroleum product in liquid form with an alkyl ester of citric acid, under circumstances permitting development of a two-phase liquid and separating the two phases by gravity.

2,240,578
TYPEWRITING MACHINE
Bernard R. Rambutis, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 13, 1938, Serial No. 245,365
16 Claims. (Cl. 197—151)



16. In combination with the main frame and carriage of a typewriting machine; means to support and guide a ribbon in a straight stretch along the writing line, said means being movable to carry the ribbon from an active position along the writing line to an inactive position remote from the writing line; ribbon feeding mechanism mounted on the main frame and operative to pay out the ribbon to the carriage as the carriage moves in a letter spacing direction, and means including an articulated connection between the ribbon supporting means and the feeding mechanism for rendering the ribbon feeding means inoperative when the supporting means is moved to the inactive position.

2,240,579
FLEXIBLE CONDUCTOR
Earle E. Schumacher, Maplewood, and Alexander G. Souden, Jersey City, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 5, 1938, Serial No. 238,978
3 Claims. (Cl. 174—131)

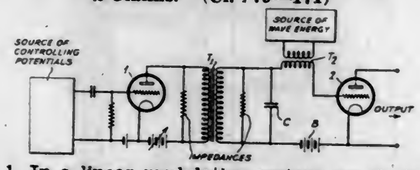
2. A tinsel thread for electrical conductors consisting of a textile core member having a metallic ribbon helically wound thereupon composed of a copper-beryllium alloy consisting of

from 1⅛ to 1½ per cent beryllium and the bal-



ance copper and having a conductivity not less than 30 per cent that of pure copper.

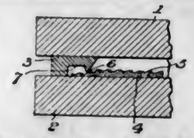
2,240,580
COUPLED AMPLIFIER CASCADE
Edwin Severin, Berlin-Tempelhof, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 4, 1938, Serial No. 188,699
In Germany February 6, 1937
2 Claims. (Cl. 179—171)



1. In a linear modulation system, an electron discharge tube device having grid and cathode electrodes coupled with a source of carrier wave energy to be modulated, a source of modulating potentials, an electron discharge amplifier tube having input electrodes coupled to said source of modulating potentials, said electron discharge amplifier tube having output electrodes, a modulation potential transformer having a primary winding connected to the output electrodes of said electron discharge amplifier tube and having a secondary winding connected to the grid and cathode of said first named tube, the transformer coupling being so arranged that the internal resistance characteristic of the said amplifier increases when the load impedance impressed by the grid to cathode circuit of said first named tube increases and vice versa to thereby maintain a constant relation between the voltage across the said grid circuit comprising the non-linear load and the modulating potential impressed on the input electrodes of the electron discharge tube amplifier.

2,240,581
APPARATUS AND METHOD FOR MANUFACTURING RUGS AND THE LIKE
Edward C. Seward, New York, N. Y., and Willard S. Seward, Summit, N. J., assignors to Sidney Blumenthal & Co. Inc., New York, N. Y., a corporation of New York
Continuation of application Serial No. 218,742, July 12, 1938. This application May 10, 1940, Serial No. 334,350
4 Claims. (Cl. 18—42)

1. Apparatus of the character described comprising, mold members fitted to enclose and vulcanize an article composed of heat expansible rubber and a fabric covering therefor, one of said members being substantially flat to mold the rubber side of the article, the other member being formed to mold the fabric side of the article, and



the last named member having a portion extending toward but not contacting the first named member to iron down the fabric covering on the marginal portions of the rubber as the latter expands under the influence of heat and generates a sliding movement between the fabric and said extending portion.

2,240,582
POLYMER COMPOSITION
William J. Sparks, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 9, 1938, Serial No. 212,701
5 Claims. (Cl. 260—43)

1. A composition of matter comprising a solid iso-olefin polymer of high molecular weight, said polymer being a gummy to tough rubber-like material with substantial tensile strength and normally subject to deterioration when subjected to the action of actinic light, and admixed with said polymer a minor proportion of an unmodified oil-soluble phenolic-aldehyde resin.

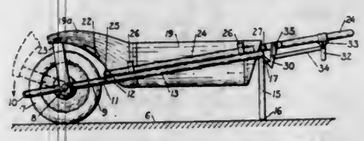
2,240,583
MANUFACTURE OF ORGANIC CONDENSATION PRODUCTS
William J. Sparks, Cranford, and Donald C. Field, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 5, 1939, Serial No. 271,960
14 Claims. (Cl. 260—2)

1. An improved process for preparing organic condensation products comprising bringing an organic halide, which is capable of precipitating silver halide from an alcoholic silver nitrate solution at room temperature, and an aromatic compound having a replaceable hydrogen attached to the aromatic nucleus, into reaction at a temperature below about 0° C. in the presence of a catalyst of the Friedel-Crafts type and a solvent therefor.

2,240,584
PROCESS FOR THE PRODUCTION OF MAGNESIUM
Robert Suchy and Hellmuth Seliger, Bitterfeld, Germany, assignors, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Application January 4, 1939, Serial No. 249,276. In Germany January 24, 1938
9 Claims. (Cl. 75—67)

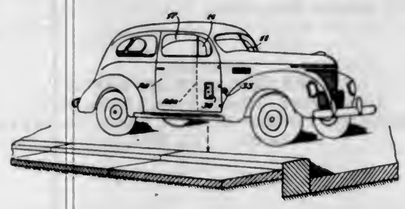
1. A process for the production of magnesium metal from oxidic magnesium compounds by thermal reduction with the aid of calcium carbide, which comprises incorporating silica with the reaction mixture in a quantity adapted to react, under the conditions of reaction, with the lime formed by decomposition of the calcium carbide, so as to cause the formation of a calcium silicate in which the molar ratio of CaO to SiO_2 approximately lies between 2 and 3 to 1, the limits of the range being included.

2,240,585
WHEELBARROW
August Morgan Taylor, Childress, Tex.
Application January 24, 1941, Serial No. 375,723
5 Claims. (Cl. 298—3)



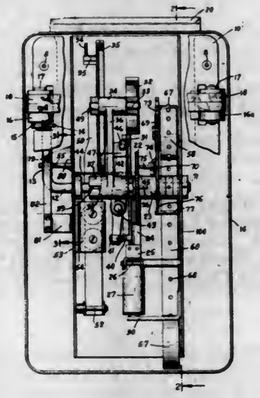
1. A wheelbarrow comprising, in combination, a frame having two side members, a wheel axle secured to the frame near its front end, a U-shaped member connecting the other ends of the side members for supporting the frame, a wheelbarrow body normally supported on the frame, means for effecting a pivotal connection between the front end of the body and the front end of the frame, whereby the body may be tilted relative to the frame, a pair of rearwardly extending spaced handles attached to the body, and readily releasable latching means for attaching the frame to the body for supporting the frame during transportation.

2,240,586
MOTOR VEHICLE
William M. Thompson, Meadville, Pa.
Application June 15, 1939, Serial No. 279,302
5 Claims. (Cl. 296—44)



1. In a motor vehicle, the combination with a substantially enclosed operator's compartment including a seat extending from one side of the vehicle to the other, of a door affording access to the compartment, said door being adapted to open outwardly and being of a width to project, when the door is open, beyond the sides of the vehicle and to overhang a street curb when the door is open and the vehicle is properly parked beside such curb, the door also having an opaque lower portion and an upper panel slidable into said lower portion, said opaque portion extending from the bottom of the door to a substantial distance above a straight line extending from the eye of the operator to said curb at a point beside said door when the vehicle is normally parked beside said curb, said door having an opening through said opaque lower portion, said opening being disposed outside the edges of said panel when said panel is slid fully into said lower portion and said opening being in position to afford, when the door is closed and the vehicle is normally parked by said curb, an unobstructed line of sight from the eye of the operator in normal driving position to said curb at a point beside said door, and a manually operable door for closing said opening.

2,240,587
CARD TIME RECORDER
Torkel Edwin Torkelson, Baldwin, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 14, 1938, Serial No. 229,823
5 Claims. (Cl. 234—43)

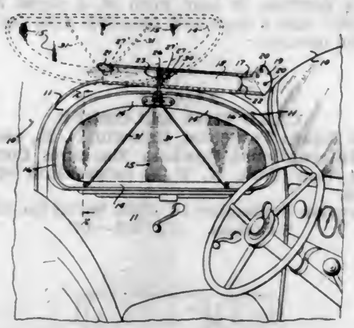


5. In a card time recorder, in combination, a card holder, an endless tape carrying a projection thereon extending substantially perpendicular from the surface to a point within said card holder to form an abutment for a record card inserted in said holder a plurality of rotatable guides for supporting said tape, time controlled means for advancing said tape over said rotatable guides in one direction at predetermined intervals to change the position of the abutment with respect to the holder so as to vary the depth to which the card may be inserted, means for preventing movement of the tape in the reverse direction, a rockable bell crank member forming a mounting for one of said guides, a spring for normally biasing said member to a home position to maintain the tape taut, the application of pressure through the card on the abutment overcoming the bias of the spring to rock the bell crank member out of said home position to cause a slack in the tape during the continuance of such pressure, record printing means for printing a time record on said card in predetermined location depending on the position of the abutment, and a switch actuated by the bell crank member in the course of its movement for rendering the printing means effective.

2,240,588
ADJUSTABLE AUTOMOBILE SCREEN
Albert Venditti, Minneapolis, Minn.
Application June 30, 1939, Serial No. 282,053
3 Claims. (Cl. 156—14)

1. In a device of the kind described, a guide frame, a slide movable in said guide frame and provided with a laterally projecting lug, a curved arm pivotally connected to said lug at its upper end with its lower end extended under said

guide and slide, and a closure rigidly secured to the extended lower end of said curved arm and



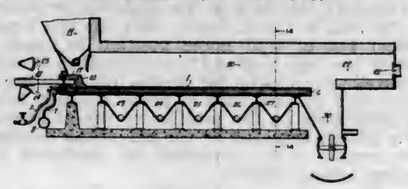
adapted thereby to be positioned to close an opening that is located adjacent to said guide.

2,240,589
RELAY
Harold N. Wagar, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 25, 1937, Serial No. 165,697
10 Claims. (Cl. 175—336)



1. In an electromagnetic device having a core and an armature, a back stop structure for adjusting the air gap between said core and said armature comprising a screw secured in the end of said core and an adjustable back stop nut thereon, and an inertia member interposed between said armature and said nut and movable by said armature in its movement toward said nut, said member in its movement slidably and frictionally engaging said armature and said nut.

2,240,590
AUTOMATIC FLUID COOLED GRATE
George W. Wallace, East St. Louis, Ill.
Application May 2, 1938, Serial No. 205,416
3 Claims. (Cl. 122—376)



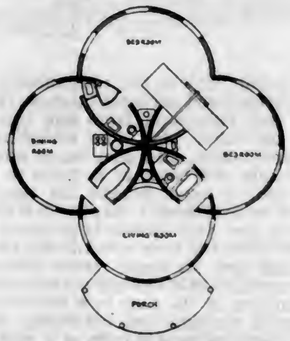
3. In a carbonizing retort of the character described, a grate consisting of a plurality of longitudinally shiftable grate bars each having an internal fluid-circulating cooling channel having longitudinally extending spaced legs connected at one end by a reverse bend, one of said channels being connected at its other end by means of a flexible tube to an individual source of cooling fluid and the other channel being connected by flexible tubing to a discharge manifold common to all of the grate bars.

2,240,591
WINDOW SASH
Arthur E. Waterman, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a company of Wisconsin
Application July 13, 1938, Serial No. 218,922
2 Claims. (Cl. 189—76)



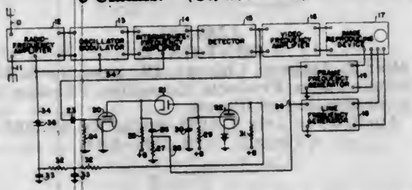
1. A window sash of the class described, having side and end members forming a rectangular frame, said side and end members being formed from sheet metal strips into rectangular in cross section members their ends being secured together forming the frame, the front walls of said frame members extending inwardly a short distance past the inner walls of the frame and then being bent at a slight angle rearwardly and extending further for a short distance to thereby form a yielding sharp edge seat for contact with the window pane, the inner wall of the frame members being bent inwardly at right angles and parallel to said first extended edges and terminating at said first bend and being rigidly secured to said first edges.

2,240,592
PREFABRICATED HOUSING
Edwin Bird Wilson, Forest Hills, N. Y.
Application October 29, 1938, Serial No. 237,639
8 Claims. (Cl. 189—1)



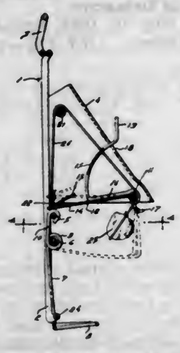
8. In a prefabricated building structure, a plurality of self-sustaining bodies having oppositely directed cooperating slots by means of which they are interlocked in partially overlapping relation, the main area within each body serving as a room and the overlapping areas of adjacent bodies as service rooms.

2,240,593
TELEVISION SYNCHRONIZING AND CONTROL SYSTEM
John C. Wilson, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application October 5, 1938, Serial No. 233,358
8 Claims. (Cl. 178—7.5)



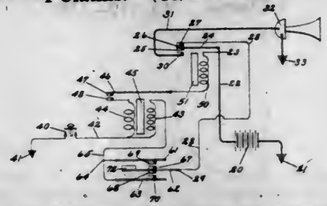
1. A television receiver adapted for the reception of a television signal-carrier wave modulated by light and synchronizing components, comprising a main signal-translating channel including signal-reproducing means, a separate control signal-translating channel, means included in said control channel for deriving from a signal having predetermined signal components at a level constantly related to the unmodulated peak level of said carrier wave an automatic amplification control effect variable in accordance with the intensity of said carrier wave and independent of its light-modulation components, means included in said control channel for separating said synchronizing components from said other modulation components, means for utilizing said automatic amplification control effect inversely to control the gain of said main channel in accordance therewith, and means for utilizing said separated synchronizing components for synchronizing the operation of said signal-reproducing means.

2,240,594
TRAP
George B. Warren, Los Angeles, Calif.
Application December 5, 1940, Serial No. 368,703
5 Claims. (Cl. 43—83.5)



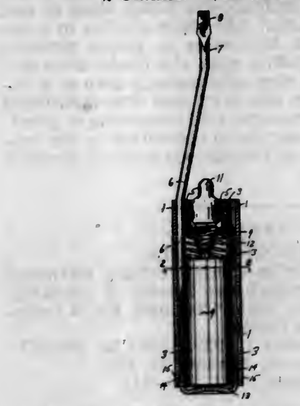
1. A trap of the character described comprising an elongated wire frame including a substantially U-shaped end portion constituting a stationary jaw, a hood, open at one end, mounted on said frame, a spring actuated jaw pivotally mounted on the frame and cooperable with the first named jaw, a trigger pivotally mounted in the open end portion of the hood, and a hook on the pivoted end of said trigger engageable with the pivoted jaw for releasably securing same in set position, the trigger being operable by an animal.

2,240,595
ELECTRICAL SYSTEM FOR VEHICLES
Joe White, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 7, 1938, Serial No. 189,118
4 Claims. (Cl. 177—311)



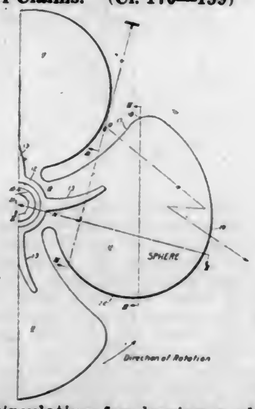
3. In a traffic warning signal, a system of horn control for sounding an audible signal to persons in the proximate path of vehicle movement, comprising in combination, an automobile horn, a battery for energizing the horn, a manually operated switch with normally open contacts for controlling the signal at will, and means including a normally open switch with means to momentarily close the same in response to vibration due to continued movement of the vehicle for completing a circuit between the manual switch and battery when the manual switch is closed, whereby an audible signal may be sounded while the vehicle is moving over the roadway, but may not be sounded while the vehicle is standing still.

2,240,596
ILLUMINATED SCREW DRIVER
John V. White and Edward J. Ritter, Niles, Ohio; said Ritter assignor to said White
Application July 25, 1939, Serial No. 286,351
2 Claims. (Cl. 240—6.46)



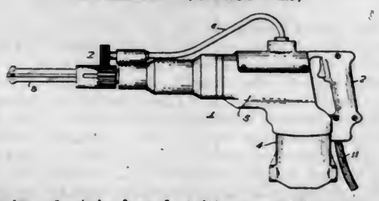
1. An illuminated screw driver comprising a handle formed of a section of corrugated tubular material, a metallic shank rigidly secured in the forward end of the handle at one side thereof by means of a reinforcing ring affixed thereto and positioned within the forward end of the said handle portion, the inner end of the said shank extending inwardly between a pair of the said corrugations, a bulb and socket positioned within the said forward end of the said handle and retained there by the said reinforcing ring and a battery positioned within the said handle adjacent the said bulb, a coil spring positioned between the battery and the said socket together with a cap adapted to close the other end of the said handle.

2,240,597
FAN BLADE
Kyle C. Whitefield, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 13, 1939, Serial No. 278,836
4 Claims. (Cl. 170—159)



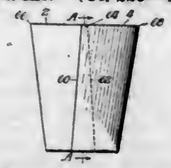
1. A gas-circulating fan having a plurality of blades, at least the outer half of each blade having a surface which is substantially a predetermined portion of the surface of an ellipsoid, the curvatures of each ellipsoid being such, and said predetermined portion thereof being so shaped, and taken from such a part of the ellipsoid, that the blade-pitch in a peripheral direction is smallest at a point, in the leading edge, which is closer to the periphery than to the axis of the fan, the blade-pitch in a peripheral direction being larger at certain other leading-edge points than at said first-mentioned point, the blade-pitches in a peripheral direction increasing at points removed back from the leading edge, the blade-pitch in a radial direction being substantially zero at a radius less than the radius of said first-mentioned point in the leading edge, and increasing at greater radii so as to operate in opposition to the centrifugal tendency of the gaseous medium in which the fan operates.

2,240,598
ELECTRIC DRILL
Richard Wilke, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 7, 1939, Serial No. 298,452
In Germany January 31, 1939
6 Claims. (Cl. 255—42)



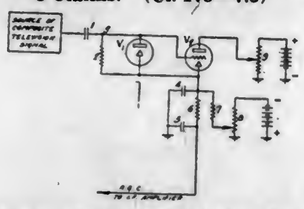
1. An electric hand drill comprising, in combination an electric motor, gear reducing means driven thereby, a crank shaft driven by said gear reducing means, a drilling tool which is reciprocated by said crank shaft and a second gear reducing means including a planetary gear drive including an eccentric coupling connection, which gear drive is driven by an end shaft of said crank shaft, a tool displacing means which is geared to said second gear reducing means through said eccentric coupling connection and which is effective to impart a slow rotary movement to said drilling tool as it is being reciprocated.

2,240,599
CONTAINER
Walter E. Amberg, Chicago, Ill., assignor to Universal Paper Products Company, Chicago, Ill., a corporation of Illinois
Application July 6, 1937, Serial No. 152,105
6 Claims. (Cl. 229—1.5)



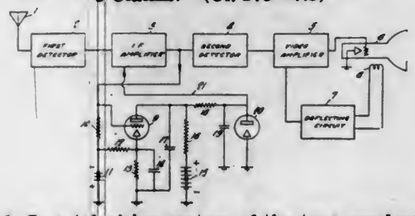
1. A single piece paper cup having an equilateral four-sided base, a curved open mouth of larger area than the base, substantially smooth converging side walls which are continuations of the two opposite sides of the base, opposite overlapping glued seams in said side walls on the other two sides of said base and folded portions along the edges of the base made from continuations of portions of the base and continuations of portions of the walls containing the seams, said folded portions not being an essential part of the base and side walls, and being folded in the form of a triangle with a pocket of underlying material at the apex and glued under the base in a manner adapted to lock the seams and to prevent leaking.

2,240,600
AUTOMATIC GAIN CONTROL SYSTEM
Alexander R. Applegarth, Jr., Philadelphia, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 16, 1938, Serial No. 219,643
8 Claims. (Cl. 178—7.3)



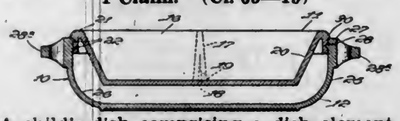
1. In a composite signal system having a signal channel adapted to transmit a composite signal comprising a first component whose average amplitude inherently varies, and a second component whose average amplitude may vary due to extraneous influences, said components being established on opposite sides of a predetermined level, apparatus for controlling the gain of said signal channel, comprising means for deriving a composite signal from said system, means for establishing a selection level determined with reference to the peaks of said second component so as to define a portion of said signal which normally includes said second component and a part of said first component, said part being small by comparison with the whole of said first component, whereby the portion thus defined is substantially independent of variations in said first component, means for selecting said defined portion of the signal, means for deriving a control voltage whose magnitude varies according to the variations in said selected portion, and means for applying said control voltage to said signal channel in a manner to control the gain thereof.

2,240,601
AUTOMATIC GAIN CONTROL SYSTEM
Alexander R. Applegarth, Jr., Philadelphia, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application May 24, 1939, Serial No. 275,525
5 Claims. (Cl. 178—7.3)



1. In a television system of the type employing a composite signal having video and synchronizing components established on opposite sides of a predetermined blanking level, a signal channel, means for deriving a signal from said channel, a gain control tube operable by said derived signal, means for causing the effective plate current of said tube to decrease rapidly and abruptly from a substantial value to cut-off, means for adjusting the operation of said tube in predetermined relation to its cut-off point such that the blanking level normally exceeds the cut-off point of said tube but not sufficiently to permit the tube output to include an appreciable portion of the video component, whereby the tube output is substantially independent of variations in the video component, and means for applying the output signal from said tube to said channel to control the gain thereof.

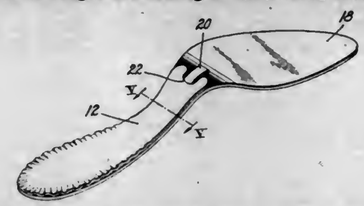
2,240,602
CHILD'S DISH
Albert Bartsch, Chicago, Ill.
Application March 16, 1939, Serial No. 262,292
1 Claim. (Cl. 65—15)



A child's dish comprising a dish element and a thermal element adapted to embrace said dish and provide a closed intermediate chamber, said dish element having at least two open compartments separated by a wall adapted to serve as a handle for rotating the dish element with respect to said thermal element, the dish element having a male thread on its rim portion, and a thermal element having a complementary female threaded portion in its top marginal portion.

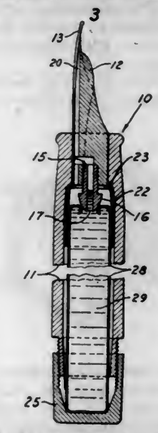
2,240,603
SHOE AND SHOE PARTS
Lewis J. Bazzoni, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 31, 1939, Serial No. 276,669
8 Claims. (Cl. 36—2.5)

1. A heel seat filler piece consisting of a single layer of readily deformable material having its marginal portion only fluted and comprising a series of ridges extending in directions transverse



to the edge of the piece, said ridges decreasing in height gradually from their outer extremities to localities where they merge into a substantially flat central portion.

2,240,604
FLUID DISPENSING APPARATUS
Hans H. Berger, Los Angeles, Calif., assignor to The McCass Company, Los Angeles, Calif., a corporation of California
Application October 25, 1939, Serial No. 301,215
8 Claims. (Cl. 120—42)

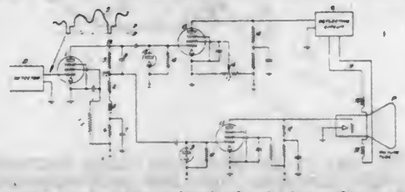


1. In a fluid dispensing apparatus, the combination of: means forming a dispensing outlet; a sealed cartridge containing fluid to be dispensed from said outlet; means connected with the means forming said outlet for piercing said cartridge to enable fluid to pass from said cartridge to said outlet; and a resilient gasket on said outlet forming means said gasket being adapted to seal said cartridge with the means forming said outlet prior to said piercing operation and to maintain said seal after said piercing operation.

2,240,605
WIDE BAND AMPLIFIER
Frank J. Bingley, Philadelphia, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application May 24, 1939, Serial No. 275,562
10 Claims. (Cl. 178—7.3)

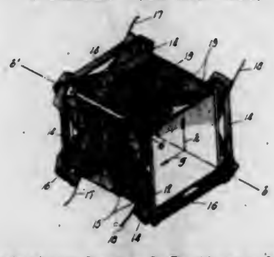
1. In combination with a source of a composite signal including a signal component requiring transmission of a wide band of frequencies and a signal component requiring transmission of only a narrow band of frequencies, and a pair of signal channels adapted respectively to receive said

signal components, the provision of frequency-selective signal-transfer apparatus interposed between said signal source and said channels, said apparatus comprising signal transfer means arranged to receive said composite signal, a plurality of serially-connected impedance means



shunted across the output of said transfer means, one of said impedance means having an impedance variable with frequency, means for deriving one of said signal components from across another of said impedance means, and means for deriving the other of said signal components from across both of said impedance means.

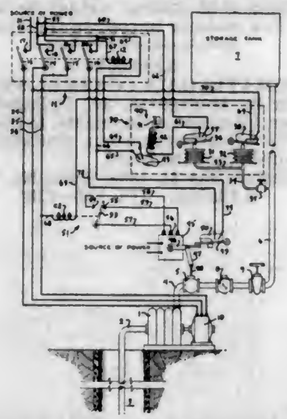
2,240,606
ELECTRON BEAM DEFLECTING YOKE
Lloyd J. Bobb, Philadelphia, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application October 21, 1939, Serial No. 300,671
6 Claims. (Cl. 250—157)



1. An electron beam-deflecting yoke comprising a plurality of conductors longitudinally disposed with reference to the axis of said yoke and substantially uniformly distributed so as to define an envelope bounding the space within said yoke, and a closed band of magnetic material of substantially uniform thickness defining a rectangular cylindrical envelope surrounding said first envelope and having its principal axis coincident with the axis of said yoke.

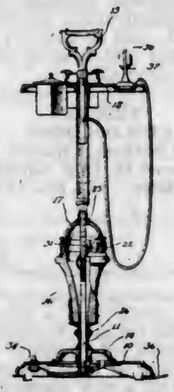
2,240,607
FLUID CONTROL SYSTEM
Chauncey M. Buck, Vincennes, Ind., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 6, 1938, Serial No. 183,645
4 Claims. (Cl. 103—25)

1. In a system of the class described, in combination, fluid forcing means for inducing a flow of fluid from one point to another, means for driving said fluid forcing means, a power controller for controlling the supply of power to said driving means, said power controller being arranged to break the power connection to said driving means upon a failure of power, a device for controlling said power controller, flow control means for controlling the flow of fluid induced by said fluid forcing means, means for controlling the delivery of power to said flow control means, said last mentioned means being arranged to place said flow control means in a flow restricting position when the supply of power is resumed following a power failure, and time delay means interposed between said power con-



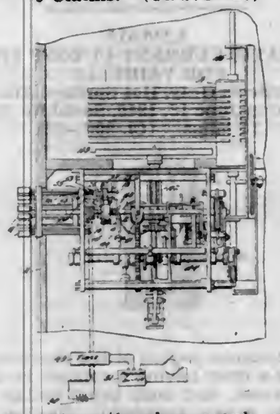
troller and said device for controlling said power controller for allowing said power delivery control means to position said flow controlling means in flow restricting position before repositioning of said power controller to supply power to said driving means following a power failure.

2,240,608
ILLUMINATED DEVICE
Zigman Chaplick, Chicago, Ill.
Application June 8, 1938, Serial No. 212,506
5 Claims. (Cl. 240—81)



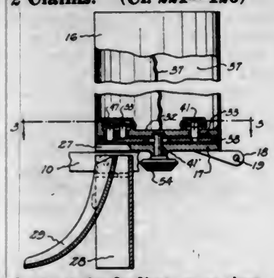
1. In a smoking stand or the like, a central support, a two-part translucent housing surrounding said support, spacing means between said housing members, said spacing means having an opening therein, means for holding said housing members and spacing means in intimate relation, a lamp disposed between the housing members and near said opening, and a ring member substantially coextensive in height with the space between the housing members, said ring normally supported to close said opening, but adapted to be raised to uncover said opening, said housing members serving as a shade for said lamp, substantially the entire surface of which is illuminated thereby.

2,240,609
AUTOMATIC PHONOGRAPH RECORD SELECTING MECHANISM
Norbert C. Cummings, Washington, D. C., assignor to Phonograph Advertising Service, Incorporated, Washington, D. C., a corporation of Maryland
Application October 16, 1939, Serial No. 299,744
9 Claims. (Cl. 274—10)



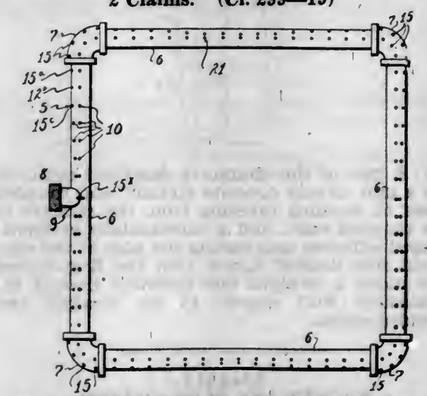
1. In an automatic phonograph of the type having a plurality of records and means for selecting and playing said records, said selecting means comprising a movable member and a plurality of manually operative selector elements cooperative with said movable member for selectively limiting the movement of the latter, a projection on said movable member adapted to move in an orbit, and means for periodically causing said movable member to move into a predetermined position corresponding to one of said records, said last means comprising means for periodically actuating said movable member, an auxiliary selector element arranged outside of the normal orbit of said projection, and automatic means for altering the orbit of said projection to cause the latter to engage said auxiliary selector element.

2,240,610
CONVERTIBLE SEED PLANTING HOPPER
William E. Dean, Portland, Ark.
Original application November 30, 1936, Serial No. 113,288. Divided and this application November 25, 1938, Serial No. 242,157
2 Claims. (Cl. 221—125)



1. A seed hopper including, a casing, a vertical partition within said casing, said partition dividing said casing into two compartments, a stationary plate within the casing spaced from the bottom thereof and having slots therein whereby seed within the two compartments of the hopper may fall into said slots said stationary plate being formed with annular grooves in its under side in alignment with said slots whereby the passage of seeds beneath the stationary plate is facilitated, a distributor plate in the space between the stationary plate and bottom and having openings therein in vertical alinement with said slots, means for rotating said distributor plate whereby the seeds from the slots may enter said openings and be carried around beneath the stationary plate, spring-pressed scraper members carried by the stationary plate and adapted to remove excess seed from the upper surface of the distributor plate and allow only the seed within the openings and the distributor plate to pass onwardly, spring-pressed means carried by the stationary plate and adapted to enter the openings in the distributor plate so as to force the seed from said openings, the casing having outlets immediately below the spring means whereby seed forced from the openings and distributor plate may escape from the hopper, and chutes leading from the outlets for discharging the seed onto the ground.

2,240,611
LAWN SPRINKLER
Marcell H. Derdeyn, Pawhuska, Okla.
Application November 18, 1939, Serial No. 305,137
2 Claims. (Cl. 299—19)

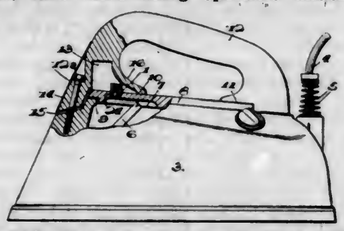


1. A lawn sprinkler including a rectangular frame for positioning horizontally upon the ground, there being connected water channels encircling the lateral margins of the frame, the outer wall of each marginal channel being pierced with two rows of spray ducts starting evenly at the corners of the frame in a common plane and diverging from that plane centrally along the four sides of the frame, and means for forcing water through the channels and out through the spray ducts.

2,240,612
STEAMING IRON
Henry V. Ekstedt, St. Louis, Mo., assignor to Ernest F. Pohl, St. Louis, Mo.
Application December 29, 1939, Serial No. 311,695
4 Claims. (Cl. 38—77)

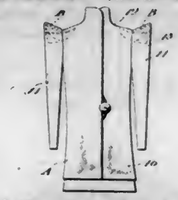
3. A steaming iron including a hollow body forming a water reservoir adapted to contain water to be converted into steam, a handle mounted on the hollow body and provided in the lower face of its front end with a recess forming a chamber, a portion of the front end of the handle being arranged in spaced relation with the hollow body to form an outlet leading from said chamber to the atmosphere, and a

pressure release safety valve mounted on the hollow body and communicating with the water reservoir and located at said chamber in the handle, said valve being operable under pres-



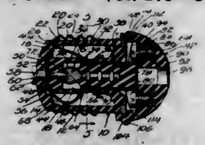
sure within the water reservoir when such pressure exceeds a predetermined degree, the front end of the handle forming a shield for protecting an operator from steam discharged by said valve.

2,240,613
GARMENT PAD
Samuel Freedman, Malden, Mass.
Application February 2, 1940, Serial No. 317,027
3 Claims. (Cl. 2—268)



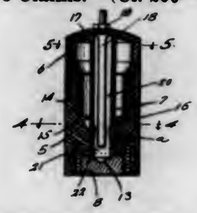
1. A pad of the character described comprising a unit having opposite straight and rounded edges of wadding tapering from the straight to the rounded edge, and a substantially crescent-shaped stiffened unit having the edge at the concaved side thereof joined with the first-named unit along a straight line crosswise thereof intermediate with respect to the straight and rounded edges.

2,240,614
SOCKET AND PLUG SWITCH
Philip Fuchs, Detroit, Mich., assignor of twelve and one-half per cent to Howard H. McLain, Detroit, and twelve and one-half per cent to Jack H. Miller, Walled Lake, Mich.
Application September 23, 1938, Serial No. 231,446
1 Claim. (Cl. 173—343)



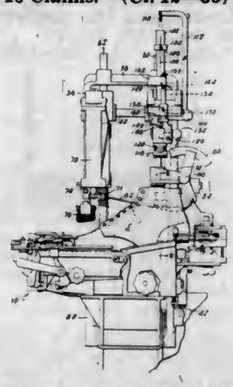
In a socket and plug switch, a socket part having a bore and contacts for connection with a source of current and extending into said bore, a plug part having a prong provided with contact strips each having a terminal for connection with a wire of an electric cord, said contact strips being arranged to engage said first-named contacts when said prong is pushed home in said bore, said prong fitting snugly in said bore but being rotatable therein for bringing the contact strips into and out of engagement with said first-named contacts, said prong being movable longitudinally of the bore to permit connection and disconnection of said socket part and the plug part, said contact strips lying within the cross-sectional contour of the prong to permit a snug fit between the wall of said bore and the prong, said bore at its prong entrance end being flared to facilitate insertion of the prong, and an illumination means arranged concentrically about the flared end of said bore.

2,240,615
AUTOMATIC CURRENT CUTOFF SWITCH FOR VEHICLES
Stene E. Gray, Hot Springs, Ark.
Application June 12, 1940, Serial No. 340,179
3 Claims. (Cl. 200—52)



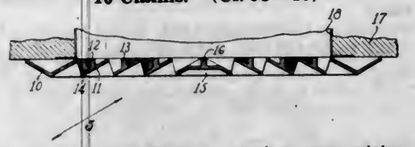
1. An automatic switch of the character stated comprising a body having a contact in the lower portion thereof, said body being hollow to form a chamber, a cap removably disposed on the body and being of insulation, said cap having a tube depending therefrom and also of insulation, said tube being adapted to depend into the body to the said contact, a contact post extending from the cap and through the tube to terminate in spaced relation with respect to the first-mentioned contact, said tube being formed with an opening adjacent the cap end thereof, said contact post being in spaced relation to the tube to define an inner chamber, and a current conductive fluid normally reposed in the said inner chamber.

2,240,616
MACHINE FOR APPLYING PRESSURE TO SHOE BOTTOMS
Charles J. Gross, Melrose, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 13, 1940, Serial No. 313,712
16 Claims. (Cl. 12—33)



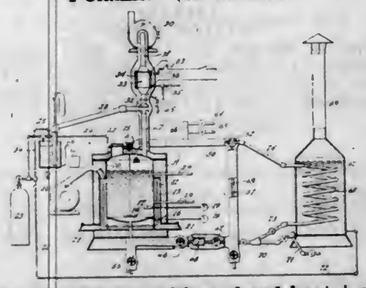
1. In a machine for applying pressure to shoe parts, a pad for supporting a sole against which a shoe is to be pressed, a member for pressing a shoe against a sole supported on said pad, a heel abutment slidably carried by said member for movement toward and away from said pad, means urging said heel abutment away from said pad, and means operative in response to movement of said member in pressure-applying direction for locking said heel abutment to said member for movement therewith.

2,240,617
AIR DISTRIBUTOR
Paul D. Harrigan, Milford, Conn., assignor to Air Devices Incorporated, New York, N. Y., a corporation of New York
Application February 8, 1939, Serial No. 255,187
10 Claims. (Cl. 98—40)



1. An air-distributing device comprising a plurality of plates disposed in spaced substantially parallel relation, the front edges of said plates lying in substantially a single plane, and said plates being inclined relatively to said plane, and vanes provided on one surface of each of said plates, said vanes extending in an oblique direction relatively to the longitudinal dimensions of the plates.

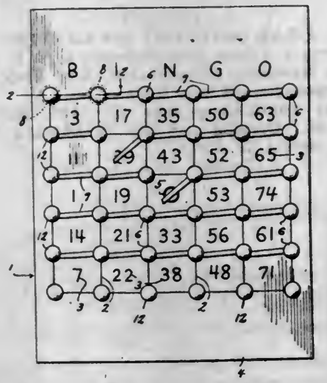
2,240,618
POLYMERIZING APPARATUS
James C. Harris, Jr., and George Sutherland, Baltimore, Md.
Application July 9, 1936, Serial No. 89,839
4 Claims. (Cl. 23—285)



1. In combination with a closed heat treating kettle for polymerizing oils and for making synthetic resins and the like in the presence of an inert gas above the level of the charge, an outlet conduit connected to the top of the kettle having a bleeder pipe for the gas and vapor submerged in a liquid seal at its outlet end; a suction fan and a condenser having a pipe also connected to said outlet conduit; and valve means connected to open one pipe and to close the other pipe after polymerization begins, whereby volatile products of the chemical reaction may be removed.

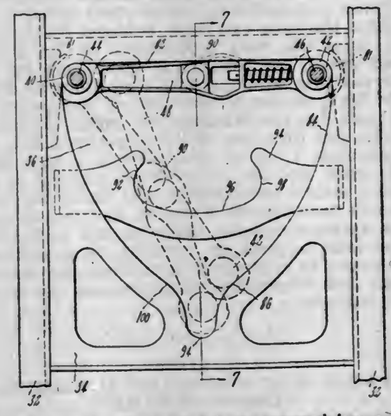
2,240,619
GAME BOARD
George W. Hartman, Danville, Ill.
Application February 20, 1940, Serial No. 319,946
1 Claim. (Cl. 273—136)

A game board having a plurality of numbered squares thereon, a plurality of rivets, including heads, mounted on said board adjacent the squares, and indicators including eyes on one end journaled on the rivets, said indicators being operable over the squares, the heads of the rivets



projecting beyond the peripheries of the eyes, the free end portions of the indicators being engageable beneath the projecting portions of the heads of adjacent rivets for releasably securing the indicators in inoperative position.

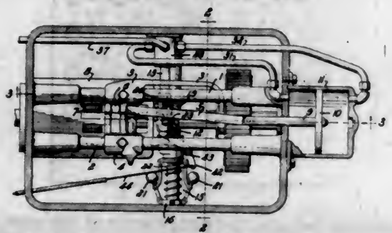
2,240,620
CAR-SEAT BASE
Olva E. Hill, Gardner, Mass., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application July 21, 1939, Serial No. 285,711
5 Claims. (Cl. 155—96)



1. A reversing car-seat base comprising a stationary pedestal having a pair of spaced sockets arranged in a line parallel to the ends of the pedestal, a seat carriage movable on said pedestal, a pair of cam followers on said carriage normally disposed in said sockets, an arcuate cam surface on said pedestal concentric with one of said sockets and engageable by one of said cam followers during the initial portion of a reversing movement of the seat carriage to hold the other cam follower in its socket, cam means on said pedestal and carriage for causing said other follower to shift from its socket to the other socket during the intermediate portion of said reversing movement, and a second arcuate cam surface on said pedestal concentric with said other socket

and engageable by said one follower during the final portion of said reversing movement to hold said other follower in said other socket.

2,240,621
GEAR SHIFTING APPARATUS
Winthrop A. Johns, New Brunswick, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Original application May 19, 1939, Serial No. 274,634. Divided and this application July 21, 1939, Serial No. 285,817
5 Claims. (Cl. 74—334)

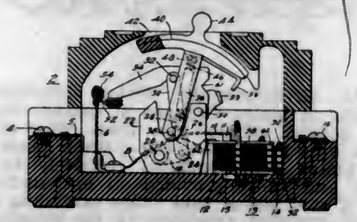


1. A gear shifting apparatus for use with a change speed gear of the type including a pair of slide rails alternatively operable in the same direction from neutral positions to establish low speed and high speed ratio drives between a driving and a driven shaft, one of said slide rails being operable in the opposite direction from neutral position to establish an intermediate speed ratio drive; said apparatus comprising a shift link and means supporting the same for movement to engage one or the other of said slide rails, a reversible motor for displacing said shift link and the slide rail engaged thereby, means including a governor responsive to driven shaft speed to determine the slide rail to be engaged by the shift link upon the next adjustment of the change speed gears, control means adjustable by said governor into three operative positions to determine the direction of operation of said motor, the end positions conditioning said motor for operation in that direction which displaces a slide rail to establish a low or alternatively a high speed ratio drive, and the intermediate position of said control means conditioning said motor for operation in the opposite direction, and means operative during a drive at either the low or the high speed ratio to limit the adjustment of said control means by said governor to displacements between said intermediate position and one of said end positions.

2,240,622
PROCESS OF FILTRATION UTILIZING POROUS CEMENTS
Walter Eastby Lawson, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 25, 1939, Serial No. 252,773
2 Claims. (Cl. 166—21)

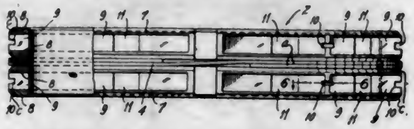
1. Process which comprises incorporating a foam into a plastic hydraulic cement, said cement containing (1) a pore-producing diluent in amount sufficient to give a dilution from about 5% to about 300% by volume and (2) a foam-stabilizing polar organic compound from the group consisting of long chain alcohol acid sulfates containing not less than 8 carbon atoms and alkali metal salts thereof, in amount between about 0.005% and about 3.0% by weight of the mixture, introducing the mixture in fluid condition into an oil well between the pump location and the walls of the well cavity, allowing the cement to set in such manner as to conform to the contours of the confining surfaces and to substantially close all channels between pump and oil source, and causing the oil to pass through the resulting structure, said structure having a permeability of from about 25 to about 5000 darcies.

2,240,623
CIRCUIT INTERRUPTING DEVICE
Ture Lindstrom, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 26, 1939, Serial No. 301,422
34 Claims. (Cl. 200—144)



1. In a circuit interrupting device, means for drawing an arc along a predetermined path, an arc extinguishing structure including spaced plates mounted for movement into and out of the path of the arc and magnetic means for moving said plates into said arc path independently of the speed at which said arc is drawn.

2,240,624
PISTON RING
Charles A. Marien, St. Louis, Mo., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo., a corporation of Missouri
Application July 11, 1938, Serial No. 218,517
4 Claims. (Cl. 309—45)

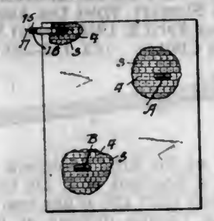


1. A three part piston ring comprising a pair of cast iron split rings and a thin steel ring therebetween, said cast iron rings having spaced circumferentially extending rails approximately the width of the steel ring, and the edges of the rails adjacent to the intermediate steel ring being beveled.

2,240,625
HEATING PAD
Richard J. Fitz Maurice, Orange, N. J.
Application November 29, 1939, Serial No. 306,761
3 Claims. (Cl. 219—46)

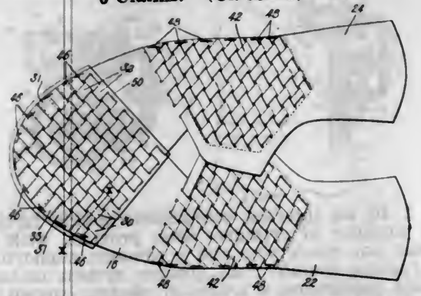
1. A heating pad having a pad proper of woven material, the woof threads being substantially of asbestos, an adjustable thermostat woven into the pad between the asbestos threads, a fixed thermostat woven into the pad between the asbestos threads, the heating conductor in series with the thermostats being embedded in the pad between the asbestos woof threads, the thickness

of the woof threads approaching the diameter of the thermostats in order to avoid undue pro-



jection of the thermostats beyond the respective surfaces of the pad.

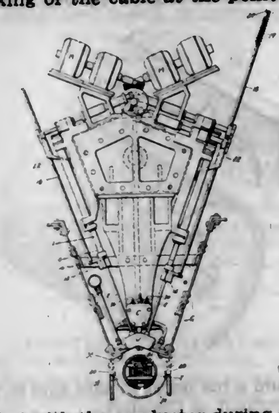
2,240,626
SHOE WITH INTERLACED UPPER ELEMENTS
Frederick W. Ochs, Boston, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 21, 1938, Serial No. 246,934
6 Claims. (Cl. 36—3)



1. A vamp comprising two parts each having a toe portion divided into a series of narrow tongues integrally connected at their inner ends only with the body portion of the respective part, the tongues of each of said parts extending diagonally with respect to the center line of the toe portion thereof and the tongues of one part extending substantially at right angles to and being interlaced with those of the other part, each of said parts having an outer tongue portions of which are wider than the other tongues of that part and substantially the entire length of which is located at one side only of the center line of the toe portion of that part, and the outer ends of the inner tongues of each part being attached to the outer tongue of the other part to constitute a lasting allowance for attachment to the insole of a shoe.

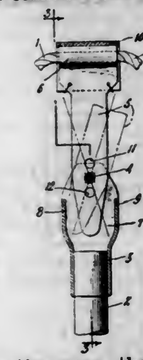
2,240,627
WELDING APPARATUS
Ernest Riemenschneider, Lakewood, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application November 26, 1938, Serial No. 242,537
11 Claims. (Cl. 219—14)

1. In combination with electric welding apparatus comprising a welding head, an electrode adjustably associated therewith, an insulated electrode holder movably mounted with respect to the head for adjusting the electrode relative thereto, and a conductor secured directly to the electrode to move therewith, of a conductor cable secured to said conductor in parallel relation to the electrode and being bodily and rectilinearly movable longitudinally with the electrode to prevent flexing of the cable at the point where it is



connected with the conductor during adjustments of the electrode.

2,240,628
DUSTING MOP
Solomon Schulman, New York, N. Y.
Application December 18, 1936, Serial No. 116,491
4 Claims. (Cl. 15—147)

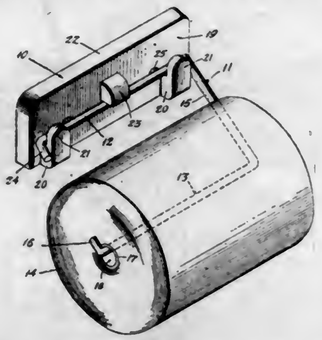


1. In a dusting mop, the combination with a mop comprising wire strands and dusting filaments secured to said strands of a mop holding member comprising substantially flat material having means for embracing and supporting the said wire strands, a handle, pivoting means securing said member to said handle, and means on said handle for limiting the pivotal movement of said member, said pivoting means being adjustable to vary the degree of limited pivotal movement of said member.

2,240,629
PAPER ROLL HOLDER
Francis T. Smith, Bridgeport, Conn.
Application September 1, 1939, Serial No. 292,985
5 Claims. (Cl. 242—55.2)

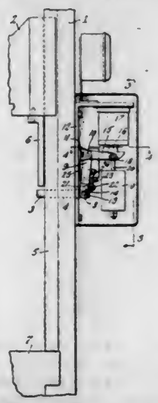
1. A paper roll holder having a substantially U-shaped yoke disposed with its parallel legs horizontal, one of said legs constituting a rod for receiving the core of a roll of paper, and the other of said legs constituting a shaft on which said rod and paper roll is swung, and a wall supported base for said rod, said base having a pair of ears extending outwardly from the ex-

posed face of said base and then upwardly parallel to said face to slidably receive and support



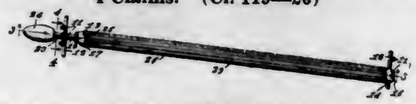
the shaft; and a lug between said ears to prevent vertical movement of the shaft.

2,240,630
SAFETY DEVICE FOR PRESSES
Thomas F. Stacy, Piqua, Ohio, assignor to The French Oil Mill Machinery Company, Piqua, Ohio
Application August 18, 1939, Serial No. 290,870
13 Claims. (Cl. 192—131)



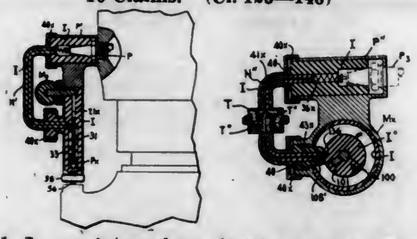
1. In a downwardly acting press of the type having a movable platen which descends under power actuation during a working movement and freely under gravity when released, and which is power elevated at the end of a working movement, the improvement therein which comprises a safety member mounted for movement into and out of the path of travel of said platen in its downward movement from said elevated position, said member having a size which normally supports the weight of said platen and resists its free descent when released without shearing, but which is sufficiently small to be readily sheared by said platen without further damage to the press mechanism when power is applied to said platen to cause its descent, means for retracting said safety member from obstructing position, and means rendered effective by said safety member only after that member has been retracted from obstructing position for making possible the application of power to said platen to initiate a descent of the platen.

2,240,631
PERCH FOR BIRD CAGES
George W. Stewart, West Los Angeles, Calif.
Application April 8, 1940, Serial No. 328,535
4 Claims. (Cl. 119—26)



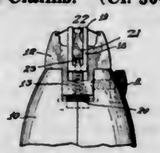
1. A perch of the kind described comprising a stick having a notched end, an extensible saddling clip fitted with the other end of said stick and having a handle outside of the said clip, and a replaceable covering for enveloping said stick.

2,240,632
IGNITION MEANS
R. Harry Stone, Bound Brook, N. J., assignor to Titeflex Metal Hose Co., a corporation of New Jersey
Application June 11, 1938, Serial No. 213,230
16 Claims. (Cl. 123—148)



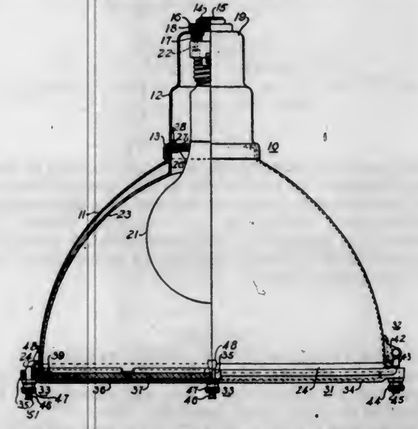
1. In an internal combustion engine having a plurality of cylinders each provided with at least one spark plug and a common supporting structure therefor: an ignition system mechanism comprising a source of electric current; a main conductor extended therefrom within a part of said supporting structure, past a plurality of said cylinders and spark plugs; an individual conductor extended within a part of said supporting structure from each plug to a contact terminal in the vicinity of said main conductor; and movable means, corresponding to each cylinder and distributed along said main conductor, adapted to connect each of said individual conductor contact terminals in periodic succession with a complemental individual contact portion of said main conductor, a housing encasing said main conductor and said contact terminals, a housing for each of said spark plugs and a conduit for each of said individual conductors, each of said conduits being separate from said housings but removably secured thereto.

2,240,633
SHAVING IMPLEMENT
Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application March 10, 1938, Serial No. 195,125
13 Claims. (Cl. 30—43)



1. A shaving implement comprising a holder having side members for engaging the longitudinal edges of a blade, a thin flexible blade having an opening presenting shearing edges, a blade flexing member adjustable with respect to said side members to bow the blade transversely to varying degrees of curvature, and a reciprocatory cutter yieldingly maintained in contact with the bowed blade.

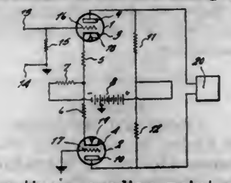
2,240,634
LIGHTING UNIT
Frederic C. Winkler, Lakewood, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 21, 1937, Serial No. 160,234
3 Claims. (Cl. 240—11.2)



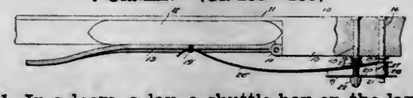
1. A totally enclosed vapor- and dust-tight lighting unit of the pendant type adapted for use where adverse atmosphere conditions prevail and safety is required comprising, a one-piece metal reflector housing having a dome-shaped top portion and a bowl-shaped bottom portion and having a beaded rim, an aluminum reflector disposed within the bottom portion of the housing and having a flanged rim engaging the beaded rim of the housing, an inwardly extending flange at the juncture of the top and bottom portions of the housing for supporting the reflector, a cover member for the housing comprising a tempered plate glass lens and a rigid metallic supporting ring therefor, an adjustable hinge secured to the housing for adjustably attaching one side of the supporting ring thereto, and a plurality of spaced adjustable hook bolts carried by the supporting ring disposed to engage the beaded rim of the housing and cooperating with said adjustable hinge for clamping the cover to the rim of the housing.

2,240,635
ELECTRON DISCHARGE TUBE SYSTEM
Jack Avins, New Dorp, N. Y.
Application March 18, 1939, Serial No. 262,601
4 Claims. (Cl. 179—171)

1. A phase inverting arrangement comprising an input circuit, an output circuit, a pair of electron discharge tubes linking said circuits, said tubes having a cathode, grid and anode electrodes, a source of steady operating potential for the electrodes of said tubes, a load impedance connecting the anodes of said tubes, impedance means connected between the cathodes of said tubes, and means to invert the phase of one anode with respect to the other anode in response to a signal impressed upon the grid of one tube, the last-mentioned means including a high impedance connecting a median point on said impedance means to a point in the source of operating potential which point is negative to the point of return of said grids.

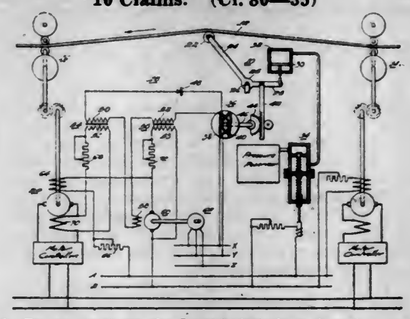


2,240,636
SHUTTLE TUNING DEVICE
Benjamin W. Brown, Hapeville, Ga., assignor of one-half to Ray S. Leonard, Atlanta, Ga.
Application February 14, 1940, Serial No. 318,941
7 Claims. (Cl. 139—185)



1. In a loom, a lay, a shuttle box on the lay, a binder for said box, a leaf spring bearing at one end on the binder, a pair of bolts spaced lengthwise of the lay and extending through said leaf spring, a lever mounted on said bolts and contacting at one end with an intermediate portion of said spring, and means on the bolt nearest the shuttle box for moving said lever to vary the action of the spring on the binder.

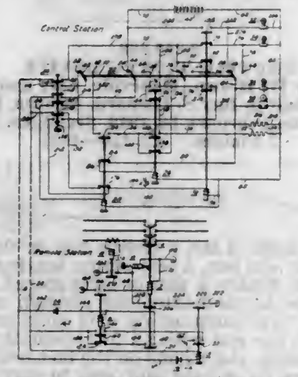
2,240,637
TENSIOMETER CONTROL SYSTEM
Willard G. Cook, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 28, 1938, Serial No. 221,688
10 Claims. (Cl. 80—35)



1. In a system for maintaining tension on a length of material as it passes between two work devices, tensioning means bearing on the material between the work devices and subjecting the material to a transverse force to thus deflect and tension the material, a variable speed motor connected to drive one of the work devices, a generator, circuit means connecting said generator to control the excitation of said motor in accordance with the output potential of the generator, a continuously energized variable ratio transformer, means controlled by the degree of deflection of the material from a predetermined

position for varying the ratio of said transformer, means for rectifying the output of said transformer, and electrical circuit means connecting the field winding of said generator to be directly energized by the rectified output current of said transformer.

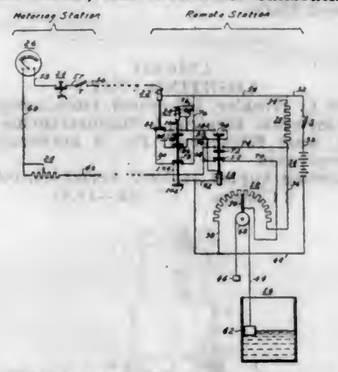
2,240,638
CONTROL SYSTEM
Gennero De Croce, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 16, 1940, Serial No. 314,082
6 Claims. (Cl. 177—311)



3. In a system for controlling from a control station, an electrically operable device at a remote station over a single conducting channel extending between the stations, in combination, a slow-to-release control relay and a closing relay at the remote station, means whereby said closing relay controls the electrically operable device, means rendering said control relay and said closing relay responsive to potentials of opposite polarities, circuit means connecting said control relay to the conducting channel, circuit means including said control relay for connecting the closing relay to the conducting channel, first control means at the control station for applying a first potential to the conducting channel of the polarity to which said slow-to-release control relay is responsive, second control means at the control station for removing the first potential and applying a second potential to the conducting channel of the polarity to which said control relay is responsive before said slow-to-release control relay releases, and indicating means at the control station operable by said second potential and in accordance with the actuation of said electrically operable device for indicating the position of said electrically operable device.

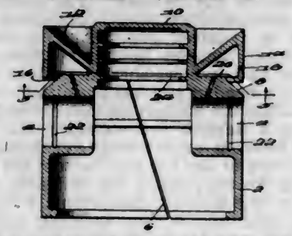
2,240,639
TELEMETRIC SYSTEM
Willard A. Derr, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 23, 1939, Serial No. 280,693
10 Claims. (Cl. 177—351)

1. In a telemeteric system having a potentiometer connected to a source of electrical energy at a remote station and a meter at a metering station connected in a metering circuit with the remote station to be energized by the potentiometer potential applied to the circuit at the remote station, the combination of relay means at the remote station responsive to the opening and closing of the metering circuit to connect a predetermined portion of the potentiometer in circuit with the meter, and means for calibrating the



meter while the said predetermined portion of the potentiometer is connected in the meter circuit, said relay means being responsive to a succeeding opening and closing of the metering circuit to connect the portion of the potentiometer selected in accordance with the quantity to be measured in the metering circuit.

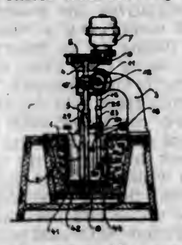
2,240,640
FLEXIBLE DOUBLE SKIRT PISTON
Edward J. Ducate, Amarillo, Tex., assignor of one-fourth to Edward J. Dee and one-fourth to Orville H. Wilkinson, Amarillo, Tex.
Application October 19, 1938, Serial No. 235,872
6 Claims. (Cl. 309—8)



1. A piston including a concave head, a dome in the center of said head, and horizontal oil-retaining fins inside of said dome.

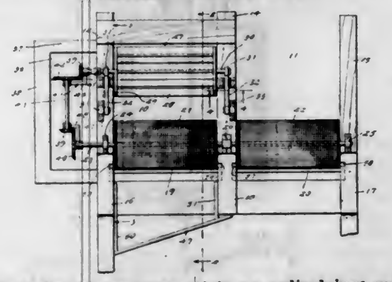
2,240,641
MACHINE FOR MANUFACTURING EDIBLE ICE
Willy Dummler, Steinau, Kreis Schluchtern, Germany
Application June 28, 1939, Serial No. 281,697
In Germany July 2, 1938
10 Claims. (Cl. 62—114)

1. A machine for manufacturing edible ice comprising a rotating, externally cooled freezer, a stripper moving up and down along the inside wall of the freezer, mechanical means for conveying the edible ice mass back to the wall of the freezer, said means consisting of a guide vane which is arranged at a distance from the inside wall of the freezer with which it is adapted to co-operate, the said stripper being provided with a plurality of spaced stripping knives the extreme distance between which is less than the height of said inner wall leaving between them a



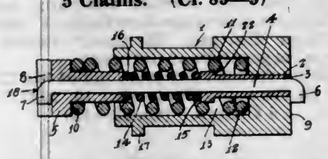
passage through which the mass of edible ice may pass.

2,240,642
FISH SCREEN
Alma F. Durtschi, Midway, Utah
Application August 24, 1939, Serial No. 291,749
2 Claims. (Cl. 210—173)



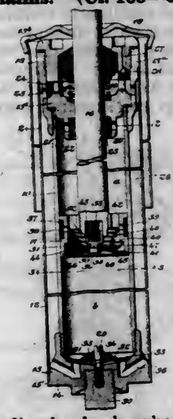
1. A fish screen comprising a cylindrical screen member, a shaft secured to said member, parallel walls on opposite sides of said member, a dam element disposed between said walls forwardly of said member, the upper edge of said element being disposed above the axial center of said member, bearings on said walls for said shaft, a paddle wheel, a shaft for said wheel, a pair of levers at the opposite ends of said wheel, a shaft bearing carried by an end of each lever, means engaging said walls and the opposite ends of the levers to said walls pivotally supporting said levers, and means connecting said shafts together in a manner to rotate said screen member reversely of said wheel.

2,240,643
SKIN CLAMP
Donald H. Finkle, Los Angeles, Calif.
Application October 2, 1940, Serial No. 359,388
5 Claims. (Cl. 85—5)



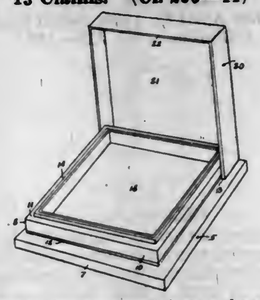
1. In a clamp for concentrically aligning holes of the same diameter in two or more sheets of metal, a body member, a bushing slidable in said body member of substantially the diameter of said holes to maintain said holes in concentric alignment, a wire rod slidable in said bushing, a hook on said rod, and tension means for securely holding said hook and said body member against opposite sides of the sheets of metal.

2,240,644
HYDRAULIC SHOCK ABSORBER
Nevin S. Focht, East Cleveland, Ohio
Application January 28, 1939, Serial No. 253,421
11 Claims. (Cl. 188—88)



1. In a hydraulic shock absorber, a cylinder, a piston reciprocable therein, a head at one end of said cylinder, a piston rod extending from said piston through said head, and a packing ring of pliable material carried by said head and surrounding said piston rod and exposed at its outer side and bottom within the cylinder, said packing ring having a groove in its inner face extending from end to end thereof and designed to have its cross sectional area varied by compression of the packing ring by pressure of liquid within the cylinder.

2,240,645
DISPLAY BOX
James D. Greig, Kenwood, Ohio, assignor to The William Koehl Company, Cincinnati, Ohio, a corporation of Ohio
Application August 20, 1936, Serial No. 97,036
13 Claims. (Cl. 206—44)

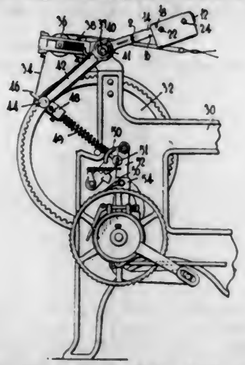


1. A display box comprising a base, a receptacle mounted on the base, means providing a recess between the receptacle and base, and a separate cover with a peripheral flange thereon, the cover in display position being adapted to be disposed upright along one section of the receptacle with said flange inserted into said recess for supporting the cover upright on the base.

2,240,646
WHIP ROLL COUNTERBALANCE
Fred J. Hagen, Crichton, Ala.
Application April 7, 1939, Serial No. 266,640
2 Claims. (Cl. 139—114)

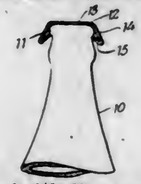
2. In a whip roll mechanism for a loom having

a whip roll supported adjacent the outer ends of a pair of arms connected to a shaft at the inner ends of said arms, said shaft being supported on the frame of said loom, a lever on said shaft, and a spring operatively engaged against the free end of said lever for resiliently holding said whip roll against the warp yarn in said loom and adapted to be compressed during the warp yarn let-off motion of said loom; a counterbalance, said counterbalance being adapted and arranged to force said whip roll against said warp yarn in



supplement to said spring, and comprising a weight arm, means on one end of said weight arm for securing the same to said shaft, a counterweight adjustably secured to the other end of said weight arm, and means for adjusting the position of said counterweight along said arm, said weight arm being laterally offset intermediate its length, the first-mentioned means comprising a hub, and teeth on the faces of said hub adjacent the opening thereof whereby said counterbalance may be used for either right or left-hand looms.

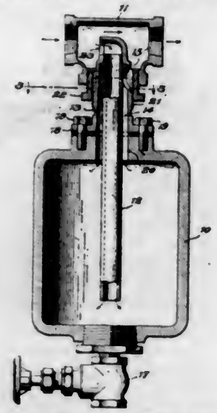
2,240,647
SANITARY BOTTLE LIP
Royal Lauren Hartman and Harry Sanford Lowe, Memphis, Tenn.
Application April 22, 1939, Serial No. 269,510
5 Claims. (Cl. 215—100)



1. A sanitary bottle lip comprising a flat upper flange surrounding an opening approximately coextensive with the mouth of a bottle on which the lip is to be used, a skirt having a flared portion standing outward from the neck of a bottle to which the lip is applied, and a resilient portion adapted to expand and pass over a bead on the bottle neck and then to contract and grip the underside of said bead.

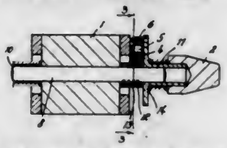
2,240,648
STERILIZING UNIT FOR WATER FILTERS
Harry Buxton Hartman, Florence, Mass., assignor to Norwood Filtration Company, Florence, Mass., a corporation of Massachusetts
Application May 1, 1939, Serial No. 271,139
3 Claims. (Cl. 210—38)

1. A unit to be supplied with a solution and to be interposed in a water pipe and to have water circulated therethrough from and to said pipe for the purpose of supplying the water with the solution, said unit comprising a vessel to contain the solution, a fitting to be interposed in said pipe, said fitting being open from end to end for flow of water directly therethrough, a hollow neck extending upwardly from said vessel into said fitting and exteriorly connected with said fitting so that water cannot escape from the fitting thereabout, said neck having in its upper end an opening through which some of the water entering said fitting may flow, a tube joined at its upper end with the upper end portion of said neck and in communication with said opening and extending downwardly through said neck into said



vessel and having an open lower end so that water entering said opening is conducted into said vessel, said tube being spaced from said neck to provide an annular passageway between the same and said neck, said passageway being closed at its upper end with respect to the water inlet opening in the upper end of said neck, said neck having a side opening facing the water outlet end of said fitting and affording communication between said passageway and said fitting, said passageway also being closed with respect to said fitting except through said side opening, whereby water flowing through said fitting induces a circulation of water from said fitting through said tube to said vessel and from said vessel through said passageway and the side opening in said neck back to said fitting.

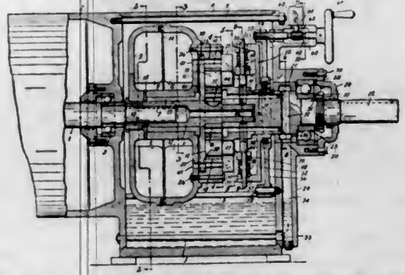
2,240,649
DRIVING DEVICE FOR MILLS
Friedrich Henschel, Berlin, Germany, assignor to Patentverwertungs-Gesellschaft mit beschrankter Haftung "Hermes," Berlin, Germany, a corporation of Germany
Application October 12, 1938, Serial No. 234,732
In Germany September 15, 1937
4 Claims. (Cl. 83—18)



3. In combination with a grinding cone of a motor-driven grinder or the like, a coupling comprising a housing arranged to rotate with

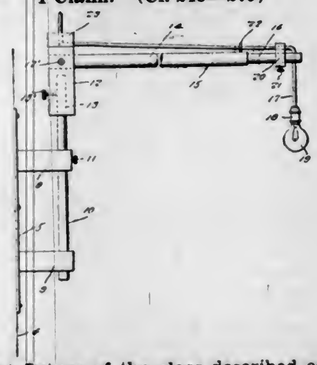
the rotor of the motor and having a radially disposed guide way, a centrifugal weight slidingly disposed in said guide way, a coupling element rigidly connected with said grinding cone and disposed at the outer end of said guide way in the path of said weight, whereby the latter, when moving outwardly due to the centrifugal force, encounters said element and rigidly couples the grinder with the rotor with a sudden impact.

2,240,650
AUTOMATIC POWER TRANSMISSION
Don Heyer, St. Louis, Mo.
Application May 27, 1939, Serial No. 276,107
27 Claims. (Cl. 74—189.5)



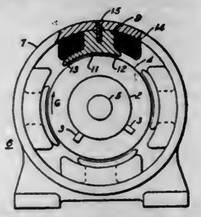
2. In an automatic power transmission mechanism having a fluid driving impeller, a load driving shaft, a fluid driven impeller, and gearing for rotating the load driving shaft by said driven impeller; means forming passages for conducting fluid to said gearing and from said gearing to said impellers, and means for controlling said passages to regulate the flow of fluid and thereby maintain the speed of the load driving shaft in accordance with the requirements of the load.

2,240,651
LIGHT FIXTURE
Charlie W. Howell, McDermitt, Nev.
Application August 10, 1939, Serial No. 289,463
1 Claim. (Cl. 248—279)



A light fixture of the class described comprising a vertically arranged member supported for rotary movement and having a head extending upwardly from its upper end, an arm connected with the head and extending at right angles thereof and having lamp cord guide members at its outer end part, a block of the same cross sectional dimensions as that of the head and seated on the upper end of the head, said block having a centrally arranged opening therein passing from its upper face through its lower face and a groove in its lower face extending from the lower end of the opening through that side of the block which is flush with the side of the head from which the arm extends, said opening and groove adapted to receive a lamp cord which extends downwardly through the opening and then through the groove to the guiding means at the outer end part of the arm and fastening means for detachably connecting the block to the upper end of the head.

2,240,652
DYNAMOELECTRIC MACHINE WITH DISTORTED FIELD FLUX
Charles F. Jenkins, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 18, 1939, Serial No. 290,781
1 Claim. (Cl. 171—252)

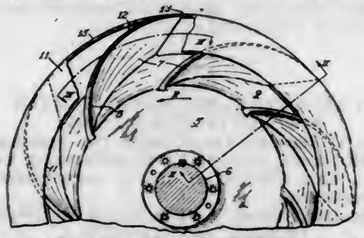


A dynamoelectric machine having an armature, and a salient-pole field-structure of a type in which the flux is crowded to one side of the respective field-poles by armature-reaction, said field-structure having a flux-saving, efficiency-increasing construction characterized by each salient field-pole terminating in a pole-face portion which is displaced to one side of the shank-portion so as to provide a long tip on the weakened-flux side whereby saturation-effects are minimized under the operating-conditions tending to produce the most saturation, each pole-piece having a shank-portion which is substantially integral in a circumferential direction, from side to side of the shank-portion, and a separate field-coil means sufficiently tightly embracing the shank-portion of each pole-piece so that each field-coil means is irremovably retained in position by the pole-tip portion so long as the field-poles with their tips are in their fully assembled positions within said field-structure.

2,240,653
FAN
Charles F. Jenkins, Forest Hills, and Rawdon E. Rambo, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 30, 1939, Serial No. 297,338
4 Claims. (Cl. 230—119)

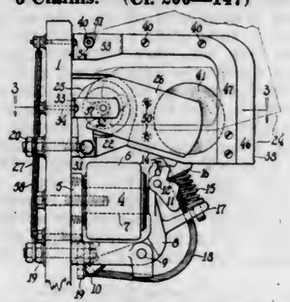
1. A multi-blade fan comprising a rotating structure including a shaft, a disc-like runner mounted on the shaft so as to stand out therefrom, the peripheral portion of said runner, beginning at a considerable radius out from the shaft, being provided with a plurality of blades, means for causing a fluid to be admitted to one side of the fan at points near the inner periphery of the bladed portion of the fan, means for causing fluid to be led away from the other side of the fan at points near the outer periphery of the bladed portion of the fan, the blades being inclined, paddle-fashion, near their intake-ends,

so as to force the fluid in a direction having a strong component in a radial direction, said blades being twisted so that they are directed, near their outlet-ends, so as to force the fluid in a direction having a strong axial component, the paddle-like entrance-portions of the blades being so short, radially, and being so inclined, that all particles of the fluid do not achieve the



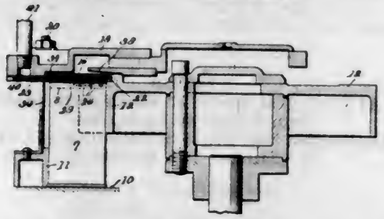
same speed of rotation as the blades, so that the twisted outlet-portions of the blades are rotating faster than the fluid, so as to impart a strong axial thrust thereto, and flared fluid-directing means for directing the fluid in a direction first largely radial and then curved toward an axial direction in its passage through the bladed portion of the fan.

2,240,654
BLOWOUT DEVICE FOR ELECTRIC SWITCHES
Theodore B. Jochem and Clarence W. Kuhn, Wauwatosa, and William C. Stevens, Milwaukee, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application July 2, 1938, Serial No. 217,194
6 Claims. (Cl. 200—147)



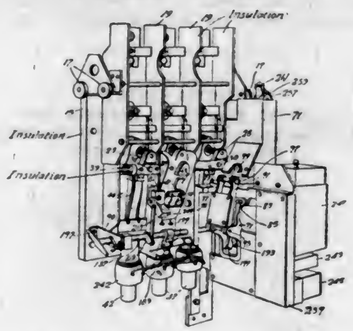
1. The combination with a vertically arranged insulating panel having a switch mounted upon the front face thereof, said switch having a stationary contact and a cooperating movable contact, a blowout coil having a horizontally arranged core member associated therewith which is fixed to the front face of said panel, an arc chute mounted upon said panel and including spaced side shields arranged on opposite sides of said contacts, each of said side shields having an opening therein located adjacent said contacts, Carbofrax inserts located within the openings in said side shields, an arc horn mounted between said side shields, and provided with an arcing tip which abuts said inserts and is located above and adjacent said movable contact, and a pair of pole plates associated with opposite ends of said core member and secured to the outer faces of said side shields, said pole plates overlapping said inserts to hold the same in place within the openings in said coil shields.

2,240,655
FILLED CONTAINER GASSING APPARATUS
Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application October 31, 1938, Serial No. 238,008
14 Claims. (Cl. 226—68)



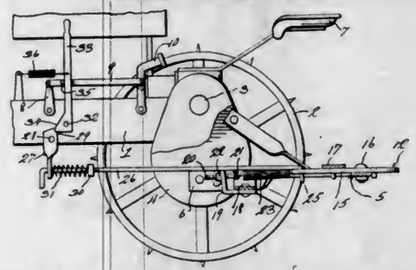
1. In apparatus of the character described, means for simultaneously conveying filled containers and covers therefor with the covers disposed above and aligned with said containers, means closely overlying and confining the containers and serving to separate them from the covers traveling thereover, and means for directing a gaseous medium into the head spaces of the filled containers for the purpose of displacing air therefrom.

2,240,656
CIRCUIT BREAKER
Ture Lindstrom, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1937, Serial No. 156,743
19 Claims. (Cl. 200—92)



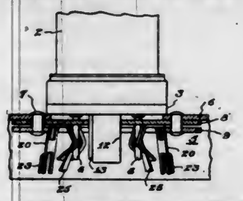
1. In a circuit breaker, a switch member movable to open and to closed circuit position, operating means comprising a toggle engageable at one end with said switch member, releasable means normally restraining the other end of said toggle in an operative position, a closing lever for moving the knee of said toggle to close said switch member, said lever being provided with a roller engaging surface, a rotatable crank arm provided with a roller adjacent its free end, said crank arm being operable to cause said roller to engage said surface and move said closing lever during a relatively small portion of its travel circle to effect closing of said switch member and to then cause said roller to pass out of engagement with said closing lever, motor means for operating said crank to close said switch member, and means for automatically stopping said crank following its disengagement from said closing lever.

2,240,657
SAFETY TRACTOR HITCH
Julius B. Lokken, Vining, Minn.
Application February 24, 1940, Serial No. 320,708
2 Claims. (Cl. 180—14.5)



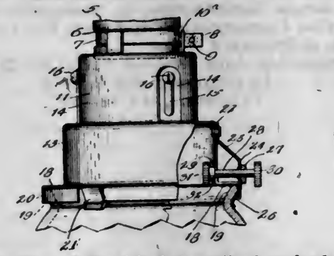
1. A safety hitch for a tractor having a rear hitch bar including a horizontal portion extending transversely of the tractor, the tractor having a shiftable clutch control member, comprising a substantially J-shaped auxiliary hitch bar having an apertured yoke portion and horizontally disposed long and short legs, said legs being disposed across and supported upon the said horizontal portion of the first hitch bar, a pivotal coupling between the shorter leg of the auxiliary hitch and the first bar, a bracket supported at the forward part of the first hitch bar, a threaded eye bolt extending through said bracket and carrying a nut on one end engaging the bracket, a spring coupling the eye bolt at its other end with the end of the long leg of the auxiliary hitch, a lever pivotally supported upon the body of the tractor adjacent said clutch control member, a bar connected with the clutch control member and carrying a pin engaging one side of the lever, resilient means normally urging the lever against said pin to effect the movement of the bar and the clutch control member in a direction to release the clutch, a latch pivotally supported upon the tractor body, a tongue carried by the lever and coupling the lever with said latch, the latch normally holding the lever against movement by said resilient means, and a pull rod connecting said latch with the said long end of the auxiliary draft bar effecting movement of the latch and the release of said lever upon rearward movement of the auxiliary bar.

2,240,658
TUBE SOCKET
William W. Mathern, Maple Shade, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1938, Serial No. 199,155
3 Claims. (Cl. 173—328)



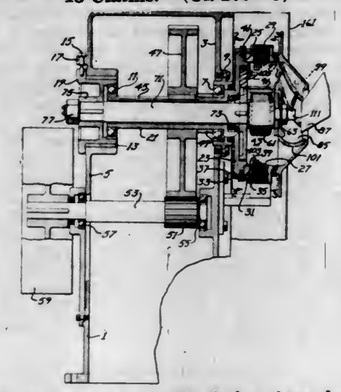
1. A contact for receiving a cylindrical prong, said contact comprising a resilient strip having a central tongue, marginal portions extending along the sides of said tongue and a web connecting said marginal portions adjacent the free end of the tongue, said marginal portions being bent intermediate their length to provide angular portions extending across the plane of the tongue and forming with the tongue a prong receiving channel extending lengthwise of the tongue with the web positioned rearwardly of said tongue and providing a stop for said tongue when said prong is inserted in said channel.

2,240,659
HOLDER FOR REFLECTORS AND THE LIKE
Earle C. McKinnie, Oak Park, Ill.
Application September 29, 1938, Serial No. 232,365
3 Claims. (Cl. 240—128)



1. A holder of the kind described embodying a supporting member, said member provided with a seat to receive a reflector and the like, said seat having a recess in a portion of its periphery; an element anchored at one end on said member and adapted at its free end for co-action with the neck of the reflector, said element having inherent resiliency from its point of anchorage to its free end and having its free end adapted to be moved towards said seat through said recess; threaded rotatable means disposed transversely through said resilient element and through an adjacent portion of said supporting member; and operating heads at the ends of said rotatable means, said heads disposed respectively outside said resilient element and inside said supporting member.

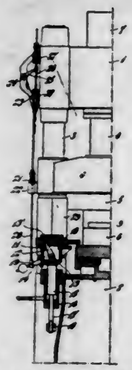
2,240,660
EXTRUSION MILL
Edgar T. Meakin, San Francisco, Calif.
Application February 26, 1940, Serial No. 320,783
18 Claims. (Cl. 107—8)



1. In an extrusion mill of the class described, a perforated die ring, means for supporting said die ring, a plurality of spindles spaced from a face of said die ring and each having a bearing surface eccentric to the axis of the spindle, a roller rotatable on each said bearing surface and

cooperative with said die ring for compressing and forcing material through the perforations thereof upon relative movement between said die ring and said roller, means for causing said relative movement, and means for simultaneously adjusting said spindles angularly, each about its own axis, to vary the rotating positions of said rollers with respect to said die ring.

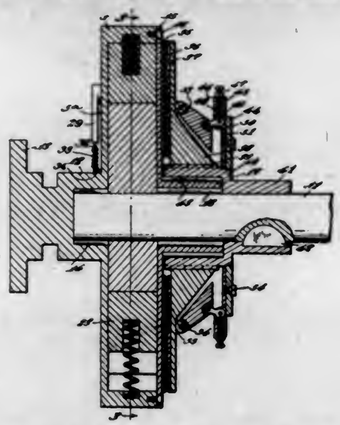
2,240,661
FORGING PRESS
Heinrich Mergel, Dusseldorf, Germany, assignor, by mesne assignments, to Schloemann Engineering Corporation, Pittsburgh, Pa., a corporation of Delaware
Application June 28, 1939, Serial No. 281,601
In Germany July 9, 1938
3 Claims. (Cl. 78—96)



1. In a forging press for shaping a work blank, a vertical column, a crosshead, means for supporting said crosshead to be vertically movable and guideable on said column, a base supporting said column, a lower die mounted on said base, an upper die carried on said crosshead in register with said lower die, a projecting forked lug carried by said crosshead, a control rod, means for supporting said control rod vertically slidably and engageably with said forked lug, said control rod carrying a stop for engaging said lug, a bracket vertically displaceable on said column, a clamping finger horizontally displaceable on said bracket and adapted to engage a work blank positioned on said lower die, lever means pivotally mounted on said bracket and engageable with said finger for horizontal displacement thereof, said lever means further engaging said control rod for displacement therewith, and a sleeve vertically displaceably mounted on said column intermediate said crosshead and said bracket, said apparatus being so constructed and arranged that when said crosshead is in its top position said dies are separated and said work blank is supported therebetween clear thereof by said bracket and said finger and as said crosshead is lowered into successive lower positions, said blank is lowered to rest on said lower die and said finger is retracted clear of said lower die and said upper die is forced down to impress said blank.

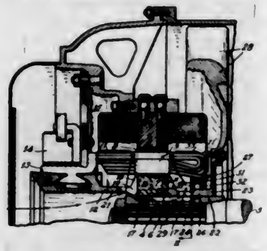
2,240,662
TRANSMISSION
George W. Montgomery, Detroit, Mich.
Application December 28, 1939, Serial No. 311,412
6 Claims. (Cl. 192—57)

1. A fluid transmission comprising a drive body, a driven shaft, said body being hollow, a cam on the driven shaft located in the hollow body, an annular passageway in the body, intake and



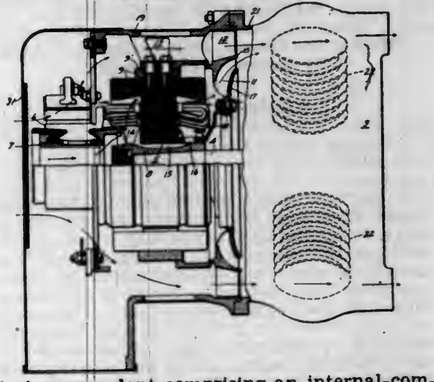
exhaust ports between the passageway and the interior of the body, slide pistons riding the periphery of the cam, and centrifugal force operated valves in the said exhaust ports.

2,240,663
SPIDER CONSTRUCTION FOR DYNAMO-ELECTRIC MACHINES
George A. Moore, Edgewood, and Erich O. Mueller, Irwin, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 30, 1939, Serial No. 297,340
8 Claims. (Cl. 171—252)



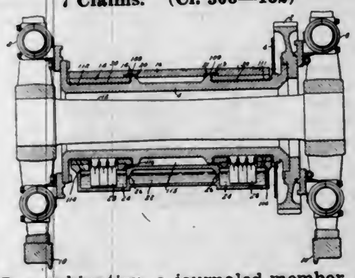
4. A dynamoelectric machine comprising a rotatably mounted shaft, an annular spider mounted on said shaft, an annular armature-core mounted on the spider, said core having peripheral slots, an armature-winding having portions lying in said slots and end-portions overhanging said core, a stator-member surrounding said armature-core, and ventilating-means for causing the flow of a gaseous cooling-medium through the parts; said spider having a pipe-like core-supporting seat-portion and a substantially integral pipe-like extension-portion at one end of said core-supporting seat-portion; said spider having a plurality of axially extending peripheral ventilating-slots in said pipe-like core-supporting seat-portion and extending therebeyond into a portion, but not all, of said pipe-like extension-portion; the unslotted part of said pipe-like extension-portion having a radial thickness materially greater than the thickness of said core-supporting seat-portion underneath said ventilating-slots.

2,240,664
ELECTRIC POWER PLANT VENTILATING SYSTEM
George A. Moore, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 15, 1939, Serial No. 304,521
17 Claims. (Cl. 290—1)



1. A power plant comprising an internal-combustion engine having a shaft having an overhanging end, a fan and a rotor-member of an electric generator mounted on said overhanging shaft-end with the fan between the generator-rotor and the engine, and a stator-member of the generator mounted in cooperative relation to said rotor-member, said fan having two differently effective fan-blade portions at different radii and air-directing means cooperating therewith whereby a relatively small quantity of air is drawn through the generator and through the inner blade-portion of the fan at a relatively high pressure-head and a relatively large quantity of air is drawn through the outer blade-portion of the fan at a relatively low pressure-head, substantially all of the air of said fan being supplied to the engine to cool the latter, the outer blade-portion of the fan having an outside diameter which is larger than the outside diameter of the generator-stator proper, at least some of the air which enters said outer blade-portion passing over the generator-stator proper rather than through any substantial portion of the generator.

2,240,665
QUILL BEARING FOR RAILWAY MOTORS
Erich O. Mueller, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 28, 1938, Serial No. 204,722
7 Claims. (Cl. 308—132)



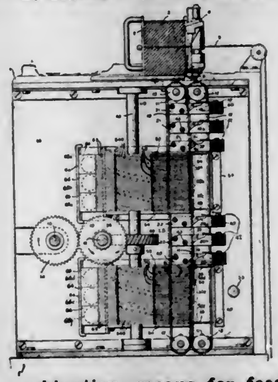
1. In combination, a journaled member, a substantially cylindrical bearing-supporting housing for said journaled member, a pair of axially spaced bearings, one at each end of said journaled member, in which said journaled member rotates, said cylindrical housing being common to said bearings and extending substantially across both bearings and the intervening space therebetween, said bearings having thrust bearing surfaces only at their ends which face each other, and means on said journaled member for providing cooperating surfaces abutting said thrust bearing surfaces.

2,240,666
WATT-HOUR METER
Walter G. Mylius, Summit, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 25, 1938, Serial No. 226,621
11 Claims. (Cl. 171—264)



1. In an electrical instrument, a magnetic core, an armature responsive to magnetic flux passing through said magnetic core, and an assembly for adjusting the torque applied to said armature by said magnetic flux comprising a rotatable light load adjustment element, a reciprocable phase balance adjustment element, and means for actuating said adjustment elements, said assembly being attachable to said instrument as a complete unit.

2,240,667
CARD CONTROLLED MACHINE
Robert E. Paris, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 15, 1936, Serial No. 90,696
16 Claims. (Cl. 235—61.6)



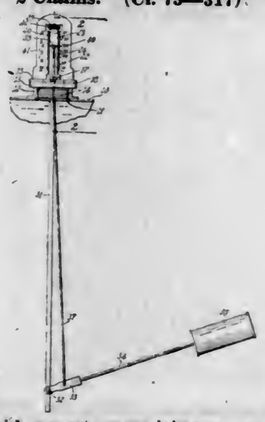
1. In combination, means for feeding record cards having small perforations at successive index point positions in a card field, means for sensing said perforations at said index point positions, record feeding means continually operated during a sensing operation of said perforations by said sensing means, for feeding the card at

a speed greater than the speed at which the sensing means can effectively sense the small perforations, and means including operating means therefor operative during the sensing of said card field for momentarily stopping, against the action of said record feeding means, said card at successive index point positions to enable the sensing means to effectively sense the small perforations and thereafter releasing said card to the action of record feeding means to feed the card to the next index point position.

2,240,668
PROCESS FOR THE PRODUCTION OF CHLORINE
Donald L. Reed, Silver Spring, Md., assignor to Henry A. Wallace, Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Application August 18, 1938, Serial No. 225,567
3 Claims. (Cl. 23—219)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

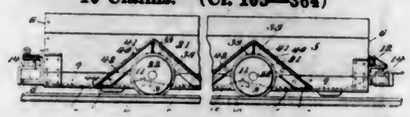
1. A process for the production of chlorine and nitrogen peroxide, which comprises mixing oxygen with the moist hydrogen chloride- and nitrosyl chloride-containing gases resulting from the reaction of alkali and/or alkaline earth chlorides with nitric acid, thence passing said gases over a siliceous adsorbent which is maintained at a temperature ranging between 46° C. and 150° C., thereby causing the moisture, oxygen, nitrosyl chloride, and hydrogen chloride to adsorb upon the siliceous adsorbent and form a liquid film in which the chloride content is oxidized to elemental chlorine and in which the nitrogen of the nitrosyl chloride is oxidized to nitrogen peroxide while the oxygen and moisture react with nitrogen peroxide, the while continuously withdrawing elemental chlorine, nitrogen peroxide, water, and unreacted gases.

2,240,669
LIQUID GAUGE
Michael P. Russo, New Haven, Conn.
Application November 30, 1938, Serial No. 243,185
2 Claims. (Cl. 73—317)



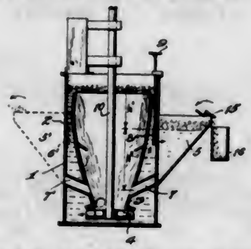
1. A liquid gauge comprising a cap designed to be secured to a tank or the like, a base plate adapted to be detachably secured to the cap, a scale member upstanding from the base plate, said member being provided with an elongated opening, a transparent tube disposed within said opening and resting on the base plate, a cover closing the upper end of the tube, a screw threaded in the top of the cover, and means on the upstanding scale member to non-rotatably engage said screw whereby rotation of the cover will effect tight engagement of the parts.

2,240,670
WIDE FRAME MINE CAR
Hugh W. Sanford, Knoxville, Tenn.
Application May 20, 1939, Serial No. 274,801
10 Claims. (Cl. 105—364)



1. In a car for handling lading, the combination of a lading body having end and side wall portions, wheels and supporting axles, substantially parallel sill structures located close to and passing between oppositely disposed wheels and extending longitudinally substantially from end to end of the lading body, a part of one of the said sill structures between an end lading body wall and an adjacent wheel having upright portions forming lading space defining walls and stiffening portions extending outwardly away from the said upright portions, each of the said sill structures also including arch portions having outwardly extending stiffening sections located directly above the tops of adjacent wheels and substantially vertical sections occupying a general plane located inside of and close to the vertical plane of the inside of the tread of the adjacent wheel, said substantially vertical sections reaching to the top of said wheel, said arch portions being in rigidly secured face to face relationship with the said upright portions of the sill structure outside the peripheral limits of the wheels, and said upright portions of each of said sill structures being interrupted close to an axle, means in rigidly secured relationship with the interrupted portions of the sill structure within the peripheral limits of the wheels and extending around the adjacent wheel axle, and a central lading bottom sealing the space between oppositely disposed sill structures and having at least portions thereof lying below the horizontal plane of the axes of the wheels.

2,240,671
APPARATUS FOR THE CONCENTRATION OF MINERALS
Gino Sborlino, Milan, Italy
Application April 20, 1939, Serial No. 269,027
In Italy May 5, 1938
5 Claims. (Cl. 209—169)



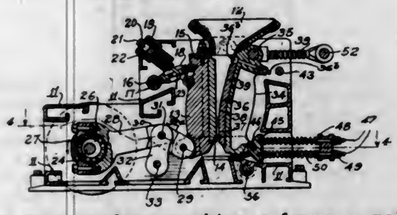
1. A flotation apparatus comprising a froth chamber, an agitating chamber separated from said froth chamber by a vertical wall, a rotary vertical shaft extending through said agitating chamber, an impeller mounted on the shaft adjacent the bottom of the agitating chamber, a funnel shaped vessel in the agitating chamber and coaxial with the shaft and extending upwardly from adjacent the impeller, the wall between the froth chamber and agitation chamber being provided with an opening in its upper portion and below the top of the funnel shaped vessel, and a pipe extending from the lower part of the froth chamber to the interior of the funnel shaped vessel.

2,240,672
WELDING ROD
Robert Scherer, Gerhard Riedrich, and Hans Hougardy, Krefeld, Germany, assignors to Deutsche Edelstahlwerke Aktiengesellschaft, Krefeld, Germany, a corporation of Germany
No Drawing. Application August 9, 1939, Serial No. 289,266. In Germany August 15, 1938
7 Claims. (Cl. 219—8)

1. The method of producing crack-resistant welds which consists in depositing by thermal fusion metal from a welding rod formed of chrome steel with a 95 to 65% austenitic and 5 to 35% ferritic structure.

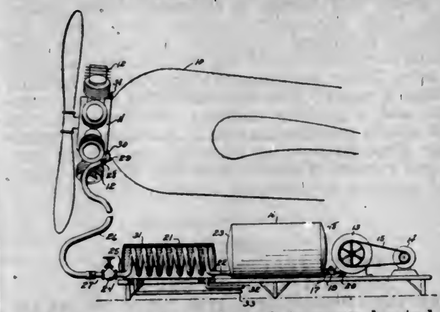
5. A welding rod consisting of an alloy steel containing 5 to 30% chromium and a total of up to 25% of metal selected from 5 to 25% nickel and 7 to 20% manganese, the remainder substantially iron with minor amounts of auxiliaries and customary impurities, said alloy steel having an austenitic-ferritic structure containing 5 to 35% ferrite.

2,240,673
CRUSHING MACHINE
Pascal Schilz, Los Angeles, Calif.
Application April 20, 1938, Serial No. 203,052
2 Claims. (Cl. 83—53)



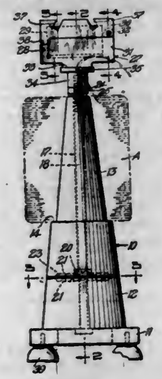
1. In a crushing machine, a frame, a pair of jaws mounted for operation in said frame, spring suspension means between the upper portion of one of said jaws and said frame, a pivoted strut providing a rocking bearing for the upper portion of said spring suspended jaw and power driven operating means connected to the lower portion of said spring suspended jaw for causing the lower portion thereof to traverse a substantially semi-elliptic path in its movements to and from the other jaw, which power driven operating means includes an eccentric, a lever having one end mounted on said eccentric, a link pivotally connected to the other end of said lever and to the lower portion of said jaw, a second link arranged substantially parallel with the jaw, the lower end of which second link is pivotally connected to the frame, the upper end of said second mentioned link being pivotally connected to the connected ends of said lever and first mentioned link and the point of pivotal connection between said lever and the two links being disposed in a plane above the horizontal plane occupied by the axis of the eccentric and the axis of the pivotal connection between the first mentioned link and the lower end of the jaw.

2,240,674
HEATER FOR AIRCRAFT ENGINES
Charles A. Seitz, Long Beach, Calif.
Application November 6, 1939, Serial No. 303,166
7 Claims. (Cl. 123—179)



1. An apparatus adapted to pass heated air through an internal combustion engine of the type having a crankcase provided with an air inlet valve and outlet breather tube and with movable engine parts within and in association with the crankcase, said movable engine parts being lubricated by oil contained within the crankcase; comprising an air compressor having communication with the inlet valve of the crankcase for impinging a current of air therein; means associated with the compressor to control the flow of air into the crankcase; and means to heat the air prior to its introduction into the crankcase, said heated air having direct contact with the crankcase oil and the movable engine parts to heat the same and thereafter egressing through the said breather tube.

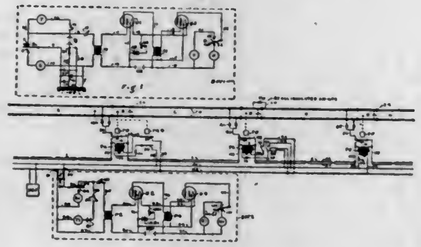
2,240,675
TWINE DISPENSER
Frank Selinger, New York, N. Y.
Application December 20, 1939, Serial No. 310,133
1 Claim. (Cl. 242—142)



A twine dispenser of the character described comprising a base and a frusto-conical member integral therewith, a second frusto-conical member spaced upwardly from said first member, said both members each having peripheral grooves facing each other, means within said grooves for maintaining the spaced relationship of the said second member with respect to the first member and permitting rotation of said second member, and a threaded stem extending upwardly from the base through the said frusto-

conical members with the stem projecting outwardly beyond the top of the upper member, said stem fixedly secured to the top of the lower member thereby permitting the upper member to rotate freely when in operation, said stem adjacent its upper end having a threaded collar spaced away from the upper member, and means for securely retaining said collar to the stem, and means mounted on the top of said stem adapted to sever twine, said means comprising a housing having a pair of hingedly connected guard members and a cutting member therebetween, one said guard member having a plurality of angularly disposed notches whereby the cutting edge of said cutting member protrudes slightly within said notches and adapted to sever the twine.

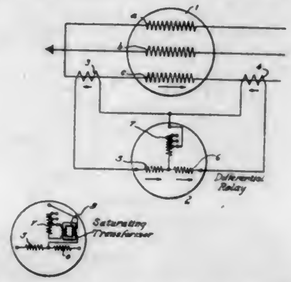
2,240,676
TRAIN TELEPHONE SYSTEM
Archibald G. Shaver, Chicago, Ill.
Application September 7, 1928, Serial No. 304,483
36 Claims. (Cl. 246—8)



1. Means for carrying on communication between a railway train and a wayside station comprising, a track system having a series of track districts, a track circuit section in each district, a conductor connected to the ends of each district to form therein an intermediate circuit including the track rails of said district and said conductor, a transformer connected in each of said intermediate circuits for connection to a wayside circuit, a relay controlled by each of said track circuit sections, and a circuit controlling contact operated by each of said relays so arranged that, while a train occupies the track circuit section of any track district, the connection of the conductor at the end of that track district is broken, the transformer is shunted from the intermediate circuit of the adjoining track district and the intermediate circuits for the two adjacent track districts are thrown together forming an extended or enlarged intermediate circuit.

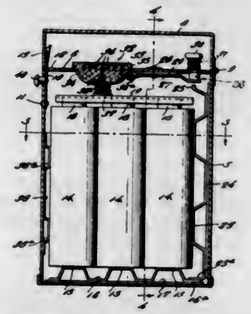
2,240,677
PROTECTIVE RELAY
William K. Sonnemann, Newark, N. J., and William A. Lewis, Jr., Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 22, 1938, Serial No. 236,397
17 Claims. (Cl. 175—294)

1. In a protective electrical system, operating means energized in accordance with the difference between two variable quantities, restraining means energized in accordance with the sum of said quantities for opposing said operating means, said means being so proportioned that the efficiency of said restraining means relative to that of said operating means is greater for large



values of said quantities than for smaller values thereof.

2,240,678
CIGAR AND CIGARETTE LIGHTER
Lyle E. Stanard, Three Rivers, Mich.
Application April 26, 1940, Serial No. 331,884
4 Claims. (Cl. 219—32)

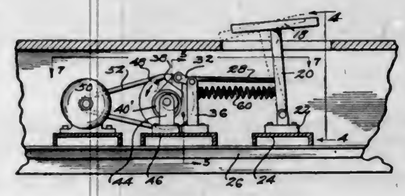


1. In a portable electric lighter of the character described, a casing, a plurality of batteries and an igniter in said casing, a battery connector plate engaged with the poles of the batteries, a conductor strip engaging the batteries at the ends thereof remote from said poles, said conductor strip having a free end constituting a switch contact, a resilient switch contact strip mounted in the casing and having one end electrically connected with the igniter and a free end arranged to be flexed into and out of engagement with said switch contact, and a spring biased switch button mounted in the casing in engagement with said end of the switch contact strip for flexing said end of the strip into engagement with the first-named switch contact for controlling the circuit to the igniter, and an electrical connection between the battery connector plate and said igniter.

2,240,679
MUSCLE RELAXING MACHINE
Bernard H. Stauffer, San Bernardino, Calif.
Application August 1, 1938, Serial No. 222,327
2 Claims. (Cl. 128—70)

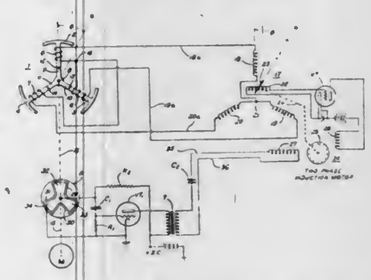
1. A muscle relaxing machine comprising a couch-like structure for repose of a human body in the top surface of which a slot-way is formed and through which a vertically directed and oscillatable support for a single flat rectangular applicator is adapted to tiltingly move, and means to oscillate said applicator axially of the

length of said couch-like structure whereby zonular areas of the body may be massaged by me-



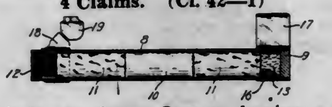
chanical manipulation in a substantially horizontal plane.

2,240,680
EARTH INDUCTOR COMPASS
Alfred A. Stuart, Jr., Brooklyn, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 29, 1938, Serial No. 248,344
13 Claims. (Cl. 33—204)



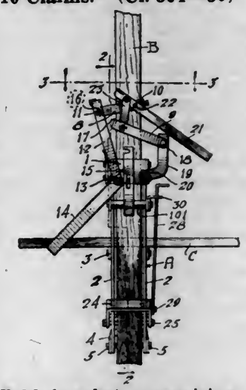
1. An earth inductor compass comprising, in combination, an inductive device having a stator winding and a rotor winding in inductive relation with said stator winding, one of said windings being polyphase and the other winding being single phase, indicating means controlled by relative rotation of said windings, an electric driving motor for actuating the rotor winding of said inductive device, means comprising an earth induction device for deriving from the horizontal component of the earth's magnetic field an electromotive force varying in value and direction in accordance with the amount and direction that said earth induction device is displaced in azimuth relative to the direction of the earth's magnetic field, said induction device being electrically connected to the stator winding of said inductive device, whereby an electromotive force is induced in the rotor winding of said inductive device upon displacement of said induction device, a local source of electro-motive force, said local source being connected to energize said driving motor, and power amplifying means electrically connected to the rotor winding of said inductive device and responsive to the electromotive force derived from the earth's magnetic field by said induction device for controlling said driving motor to actuate the rotor winding of said inductive device into an angular position corresponding to the position that said earth induction device has been displaced, thereby controlling said indicating means to indicate the direction of the earth's magnetic field.

2,240,681
FIREARM BALANCER
William L. Swartz, Wethersfield, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Original application December 4, 1936, Serial No. 114,210. Divided and this application June 2, 1938, Serial No. 211,441
4 Claims. (Cl. 42—1)



1. A balancer for a firearm having a barrel, said balancer comprising a tubular portion located adjacent and beneath the barrel, readily removable balancing weight means loosely received within the tubular portion and adjustable to change the balance characteristics of the combined firearm and balancer, and a removable closure secured to the forward end of said tubular portion.

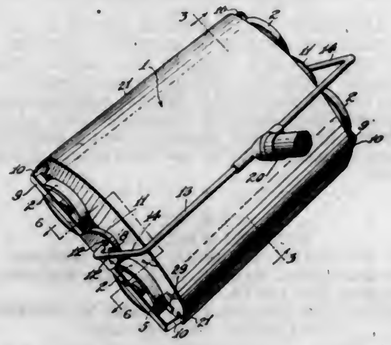
2,240,682
SCAFFOLD BRACKET
Sam Weinstein, Irvington, N. J., assignor to Reuben Grant, Newark, N. J., doing business as Scaffold Bracket Co.
Application April 16, 1940, Serial No. 329,855
10 Claims. (Cl. 304—30)



1. A scaffold bracket comprising a platform support to be mounted for vertical movement on an upright, a first gripper and a second gripper each to engage said upright and movable to alternately grip and release the upright, a first lever pivotally connected to said platform support, means connecting said first lever to the first gripper, a second lever pivotally connected to said first gripper, means connecting said second gripper to said support, and means connecting said second lever to said second gripper, said grippers being formed and arranged normally to permit said support to slide freely upwardly on said upright and to grip said upright and prevent downward movement of the support, and swinging of said first lever in one direction permitting said first gripper to grip and actuating said second gripper to release said upright and swinging of said first lever in the other direction actuating said first gripper to release and permitting said second gripper to grip said upright to raise the said support step-by-step, while said second lever operates said first and second grippers in reverse order to that incident to operation of the first lever, swinging of the second lever in one

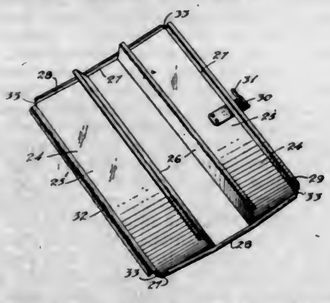
direction permitting the first gripper to grip and actuating the second gripper to release said upright and swinging of the second lever in the other direction actuating the first gripper to release and permitting the second gripper to grip said upright so as to lower said support step-by-step.

2,240,683
CARPET SWEEPER
Samuel I. Berger, Newark, N. J.
Application June 8, 1938, Serial No. 212,470
1 Claim. (Cl. 15—41)



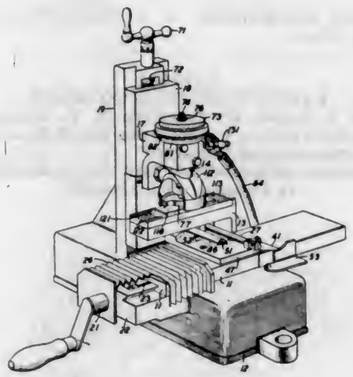
In a carpet sweeper having a casing and a handle bail, rigid longitudinal bars secured to the sides of said casing in spaced relation thereto, yieldable latch plates rigidly secured, at their lower ends, to said bars intermediate the length thereof, said bars and plates being provided with apertures to pivotally receive the handle bail, said plates being flat and being in the planes of said bars and being provided at their upper ends with spaced protuberances projecting beyond said planes, with which the bail is adapted to have camming engagement upon being rotated along said plates to the protuberances, the upper ends of the plates yielding slightly beyond said planes during the camming movement of the bail over the protuberances and returning to normal position in said planes after the bail has been moved past said protuberances.

2,240,684
CARPET SWEEPER
Samuel I. Berger, Newark, N. J.
Application July 28, 1938, Serial No. 221,859
4 Claims. (Cl. 15—41)



1. In a carpet sweeper, a casing having end walls provided with inwardly directed ledges terminating in open channels, and a debris tray provided with an angularly directed lip portion for engagement over either channel to pivotally secure the tray thereto and further provided with a channelled portion for reception within the other channel of the casing to close the bottom of the casing.

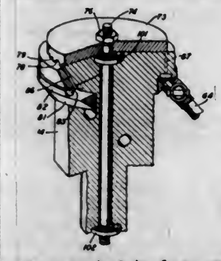
2,240,685
CUTTING TOOL
Walter L. Bond, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 15, 1937, Serial No. 179,959
5 Claims. (Cl. 90—25)



1. In a tool for surfacing Rochelle salt plates, a base, a horizontally movable platform supported by said base, means for moving said platform horizontally, a work-table supported by said platform, said table being capable of vertical movement within relatively narrow limits from a raised position to a lowered position, a projection on said work-table having a recess therein, a spring member attached to said platform, one end of said spring member engaging in said recess, the biasing action of said spring member being effective to normally hold said work-table in raised position, a spindle rotatably supported on said platform, a shoulder on one end of said spindle and a cam engaging finger on the other end thereof, said shoulder engaging the recess in said projection, a cam block on said base in position to be engaged by said cam engaging finger at a predetermined point in the horizontal movement of said platform, engagement of said finger and said cam block being effective upon continued horizontal movement of said platform to cause rotation of said spindle, rotation of said spindle being effective to move said work-table to lowered position, a rotatable cutter arm, means for supporting said cutter arm in operative position with respect to said work-table, and means for rotating said cutter arm.

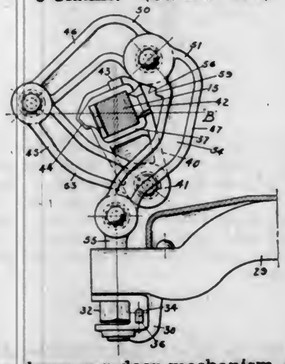
3. In a tool for surfacing fragile material, a rotatable shaft, means for rotating said shaft at a speed of the order of 20,000 revolutions per minute, a cutter arm attached to said shaft and rotatable therewith, the point of attachment of said shaft being midway between the ends of said arm, and a single relatively short cutter point attached to one end of said arm, said arm being so shaped that the mass of one end of the arm is greater than the mass of that end of the arm at which said cutter point is a attached by an amount sufficient to bring about static and dynamic balance of said shaft and arm.

2,240,686
FLUID DRIVEN MOTOR
Walter L. Bond, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application December 15, 1937, Serial No. 179,959. Divided and this application April 24, 1940, Serial No. 331,285
4 Claims. (Cl. 253—65)



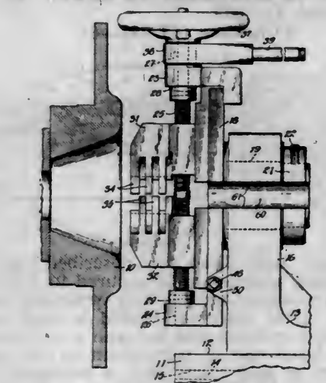
1. In a fluid operated tool, a cylindrical rotor supporting block, said block being of greater circumference at one end than at the other end, a peripheral lip on said block near the larger end thereof, said lip having a peripheral groove therein, a ring positioned on said block adjacent to said lip and acting in conjunction with said groove in said lip to form a substantially closed fluid chamber, a shaft rotatably mounted in said rotor supporting block, a rotor plate attached to one end of said shaft, said rotor plate being rotatably supported on the larger end of said block, said rotor plate having a series of pockets therein at its peripheral edge and means for admitting fluid under pressure to said chamber, said lip having means therein for directing fluid from said chamber against the edges of said pockets to cause rotation of said rotor plate.

2,240,687
DUMP CAR DOOR CONSTRUCTION
Argyle Campbell, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application July 17, 1939, Serial No. 284,863
5 Claims. (Cl. 105—290)



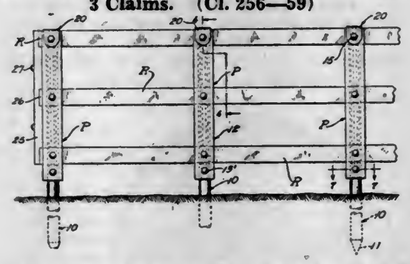
2. In a dump car door mechanism, the combination with a dumping door and an operating shaft above the door, self-locking linkage mechanism connecting the shaft and door and including a polygonal-shaped hub rigidly mounted on the shaft, three pivotally connected link sections adapted to wind around the hub, and each link section being formed to embrace two sides of the hub and the end link being connected to said door, and means actuated by said shaft adapted in its initial movement to engage the door in closed position and force the door in an opening direction should the door be held closed by freezing.

2,240,688
WORK HOLDER FOR ROTARY SWAGING MACHINES
Edward A. Conner, Stratford, Conn., assignor to American Chain & Cable Company, Inc., New York, N. Y., a corporation of New York
Application January 23, 1937, Serial No. 121,955
13 Claims. (Cl. 78—101)



1. A work holder for a rotary swaging machine, comprising a support, a chuck mounted thereon and adapted to grip the work that is to be swaged, said chuck being angularly movable with respect to the support on the longitudinal axis of the work, and resilient means resisting such angular motion of the chuck in either direction.

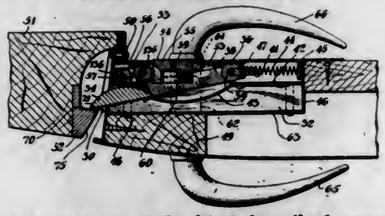
2,240,689
FENCE
Joseph A. Denton, Milwaukee, Wis.
Application July 25, 1938, Serial No. 221,042
3 Claims. (Cl. 256—59)



1. A pre-cut fence of the character described comprising spaced posts and rails extending between the posts, each post including a base member adapted to be driven into the ground, a pair of upright wooden post members having their confronting faces formed with longitudinally extending grooves, said members having their lower ends overlapping and fastened to the upper end of the base section with said grooves engaging said upper end, the ends of the rails at the same level being overlapped and disposed between the upright post members, spacers disposed between the post members and having their ends engaged with the rails to positively support the same vertically, said spacers having portions fitting with-

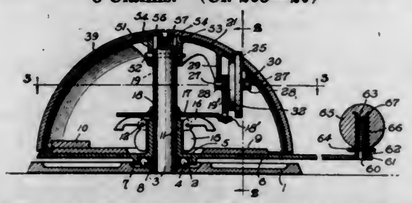
in said grooves, and fastening devices extending transversely between each pair of upright wooden post members and forcing the post members toward each other and into clamping engagement with the overlapped end portions of the rails and also into clamping engagement with the interposed spacers.

2,240,690
DOOR LATCH
Anton Diemer, Stuttgart, Germany
Original application November 13, 1939, Serial No. 303,977. Divided and this application October 10, 1940, Serial No. 360,571. In Germany May 12, 1938
6 Claims. (Cl. 292—64)



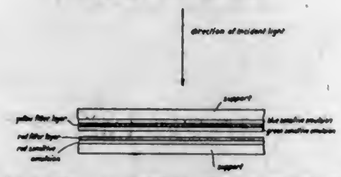
1. A door latch of the kind described, comprising a casing adapted to be secured in a door, a latch bolt mounted slidably and swingably in said casing, a slider shiftably guided in said casing and adapted to be moved between a wall thereof and said latch bolt in parallelism to the sliding movement of said latch bolt, a swinging lever movably connected to said slider and being directly or indirectly attached to rotary tumbler means having door handles operatively connected therewith, spring means secured in the said lock casing being adapted to urge said bolt into its locking position, there being provided on said slider a number of rollers mutually displaced in such a way that one of said rollers engages with a base plate only of said casing, whilst another one is in engagement with an inclined surface arranged on said door latch only.

2,240,691
GOLF PRACTICE MECHANISM
Harry Drachenberg and William Schwab, Cincinnati, Ohio
Application April 27, 1939, Serial No. 270,326
8 Claims. (Cl. 265—20)



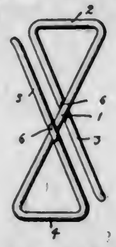
1. In a golf practice device, a base member, a vertical shaft fixed to the base, a rotating arm mounted on said shaft, a ball member rotatably mounted on the outer end of said arm, a friction element on said arm, centrifugally shiftable members on said arm, a disk splined on said shaft and engaging said centrifugally actuated members for movement therewith, an indicator operated by said splined disk, spring means for retaining said indicator in adjusted position, and means for releasing said spring means from engagement with said indicator and simultaneously effecting a braking action on said friction element to retard the rotation of said arm.

2,240,692
COLOR PHOTOGRAPH
John Eggert, Leipzig-Gohlis, and Bruno Wendt, Dessau, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application June 13, 1938, Serial No. 213,426
In Germany June 22, 1935
7 Claims. (Cl. 95—2)



1. A bi-pack comprising the support having cast thereon a blue-sensitive silver halide emulsion layer, a filter layer superposed on said layer and containing a yellow dyestuff from diazotized aniline and 1-(para-sulfophenyl)-5-pyrazolone-3-carboxylic acid-ethyl ester, with calcium lactate as fixing agent, said dyestuff being resistant to the photographic treating baths necessary for converting a metallic silver image into a dyestuff image but capable of being decolorized by hydrosulfite, a green-sensitive silver halide emulsion layer on said filter layer and a second support having cast thereon a red-sensitive silver halide emulsion layer and superposed thereon a red filter layer, said red filter layer being brought into contact with said green-sensitive silver halide emulsion layer.

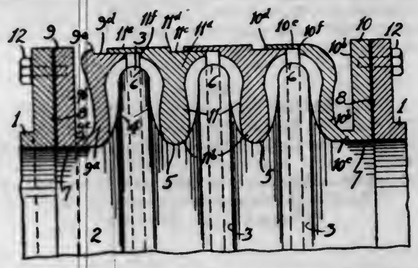
2,240,693
PAPER CLIP
Arny O. Elnes, Duluth, Minn., assignor of one-half to Clarence H. Taylor, Duluth, Minn.
Application April 26, 1940, Serial No. 331,737
4 Claims. (Cl. 24—261)



2. A paper clip formed of a single piece of wire and having a main diagonally disposed body portion, spaced loops at opposite ends of said wire, adjacent the ends of the body portion, the free ends of said loops extending in spaced and parallel relation, and crossing the main body portion one upon either side thereof in an opposite diagonal direction.

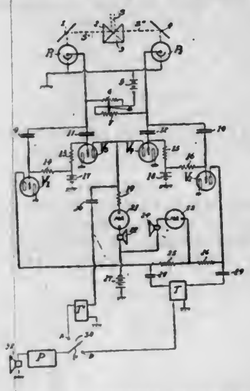
2,240,694
EQUALIZING RING FOR CORRUGATED TYPE EXPANSION JOINTS
Walter W. Gamble, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application June 28, 1939, Serial No. 281,643
5 Claims. (Cl. 285—90)

1. An expansion joint comprising a flexible corrugated tube, end fittings at the outer side respectively of the endmost corrugations, intermediate ring members in the depressions between successive corrugations, a rim portion on one of said end fittings having a laterally extending, peripheral flange, a rim portion on said other end fitting having a peripherally disposed shouldered bearing surface, a rim portion on each ring member having a laterally offset peripheral



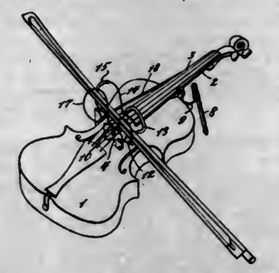
flange, and a peripherally disposed shouldered bearing surface adjacent thereto, said end fittings and ring members being disposed for substantially fluid-tight, telescopic relation between the flange and shouldered rim portions, and cooperating to prevent distortion of the joint, and to limit shortening movement thereof.

2,240,695
MEANS AND METHOD FOR REPRODUCING SOUND FROM SOUND FILMS
Rolf Görisch, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application November 10, 1939, Serial No. 303,859
In Germany November 11, 1938
12 Claims. (Cl. 179—100.3)



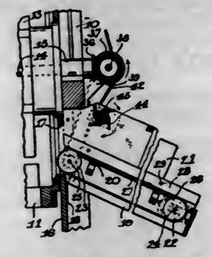
1. A method of selectively reproducing sound from single track sound film and balanced double track sound films by means of scanning the sound track with a beam of light which energizes two photo cells, each of which being arranged in its own circuit, including the step of balancing the two photo cells during the scanning of the sound track without interrupting the movement of the sound film by connecting both photo cell circuits to the grid electrodes of two amplifiers whose anode circuits are arranged in push-pull and parallel respectively, and adjusting the currents in said photo cell circuits until the current in the anode circuits of the amplifiers arranged in parallel is substantially zero.

2,240,696
ATTACHMENT FOR VIOLINS AND THE LIKE
Akibo Gusman, New York, N. Y.
Application January 25, 1938, Serial No. 186,762
2 Claims. (Cl. 84—281)



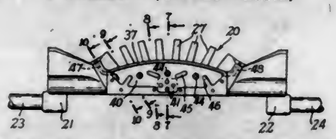
1. In devices of the character set forth, a saddle member having opposed spaced yoke arms and a connecting base section adapted to embrace the under and side faces of the neck of a string instrument, such as a violin, said base section also having a curved downwardly-extending finger, a tension cord carried by the yoke for engaging the base of the instrument neck below the finger board, and a wrist guide comprising a metallic strip carried by the saddle member and having a bendable section depending therefrom and merging into a reversely bent wrist-engaging section.

2,240,697
VINER FEEDER
Frank Hamachek, Jr., Kewaunee, Wis., assignor to Frank Hamachek Machine Company, Kewaunee, Wis., a corporation of Wisconsin
Application March 26, 1938, Serial No. 198,194
2 Claims. (Cl. 198—167)



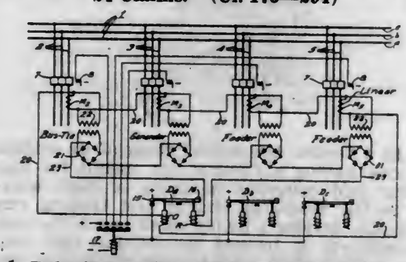
1. In a feeder, the combination of an endless conveyor having a feeding run, means for supporting said conveyor including a shaft adjacent to the discharge end of said feeding run, said shaft carrying a pulley about which the endless conveyor is trained for driving said conveyor, a drive shaft substantially parallel to said first-named shaft and at a higher elevation, sprocket wheels on said shafts, a chain connecting said sprocket wheels, a rotary impeller above said conveyor run and having a shaft parallel to said first-named shafts and at an intermediate elevation with respect to said shafts, the lower periphery of said impeller moving in the direction of said feeding run, a sprocket wheel on said impeller shaft meshing with a run of said chain and driven by said chain, adjustable mounting means for said impeller shaft shiftable substantially parallel to the plane of said chain and transversely of said chain run to take up chain slack and wear, and means for retaining said mounting means in adjusted position.

2,240,698
FUEL DISTRIBUTING CHAMBER
William Thompson Hanna, Cincinnati, Ohio
Application June 15, 1938, Serial No. 213,809
2 Claims. (Cl. 110—105.5)



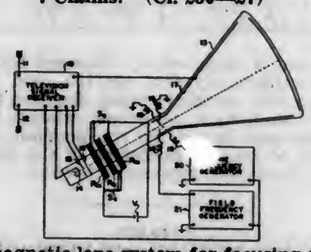
1. As an article of manufacture, a distributing device for a locomotive stoker for distributing over a fire box fuel fed thereto, said distributing device comprising a metal casting having a plurality of hollow fingers extending from the body of the casting in fan shape, said casting having a high pressure steam chamber therein communicating with said hollow fingers from within the casting for conducting steam thereto, said casting having a recess formed on one side thereof, the upper wall of said recess having a plurality of centrally disposed orifices therein for the admission of steam thereto, a cover plate for forming with said recess a low pressure steam chamber, the upper wall of said recess and said cover plate forming top and bottom sides for said low pressure steam chamber, means forming a longitudinal slot in said low pressure steam chamber through which steam may flow from said low pressure chamber, and means forming a plurality of baffles in said low pressure chamber extending from one of said sides to the other and disposed between said opening and said slot for so restricting the flow of steam to said slot that a uniform steam pressure exists in said low pressure chamber at the exit end of said slot.

2,240,699
DIFFERENTIAL PROTECTIVE RELAYING
Edwin L. Harder, Forest Hills, and Edward H. Klemmer, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 12, 1938, Serial No. 239,915
24 Claims. (Cl. 175—294)



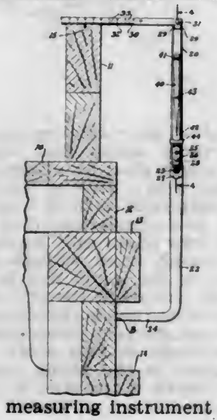
1. Relaying equipment for an alternating-current electrical device having a plurality of terminals, said relaying equipment comprising a current-responsive coupling device associated with each of the plurality of terminals, each coupling device deriving an alternating electrical quantity responsive, in a predetermined manner, to a current-condition in its associated terminal, electric-circuit means for vectorially combining all of the alternating electrical quantities to obtain a first resultant electrical relaying quantity, current-responsive-coupling, current-modifying, and summation means, associated with all of the several terminals, for deriving a second resultant electrical relaying quantity responsive, in a predetermined manner, to the arithmetical sum of the magnitudes of all of the terminal-currents regardless of their directions, differential-relay means having a relay-operating circuit and a relay-restraining circuit, and means for energizing said relay-operating circuit so as to be predeterminedly responsive, in some measure, to said first resultant relaying quantity, and means for energizing said relay-restraining circuit so as to be predeterminedly responsive, in some measure, to said second resultant relaying quantity.

2,240,700
MAGNETIC LENS SYSTEM
Lloyd A. W. E. Kemp, Wembley, England, assignor to Hazeltine Corporation, a corporation of Delaware
Application January 10, 1939, Serial No. 250,141
In Great Britain January 11, 1938
7 Claims. (Cl. 250—27)



1. A magnetic lens system for focusing an electron beam of a cathode-ray tube comprising, a first focusing winding having an axis adapted to be disposed generally parallel to the path of the electron beam, a second focusing winding substantially coaxial with said first winding, a Wheatstone resistance bridge circuit having a diagonal adapted to be coupled to a source of unidirectional potential, at least a portion of said first winding being coupled in an arm of said bridge and said second winding being coupled in the other diagonal of said bridge, the resistances of the arms of said bridge being so proportioned relative to the magnetic fields of said windings that the resultant field produced by both of said windings is substantially independent of changes of resistance of said first focusing winding.

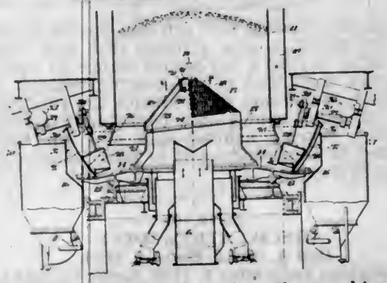
2,240,701
BEAM MEASURING INSTRUMENT
Bertell W. King, Brooklyn, N. Y.
Application September 22, 1939, Serial No. 296,055
8 Claims. (Cl. 33—174)



1. A beam measuring instrument comprising a

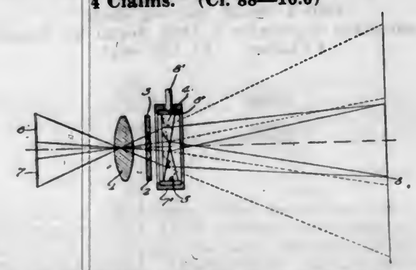
body, an arm extending laterally from said body having an end adapted to abut against a vessel, a calibrated bar near the upper end of the body extending laterally in the same direction therefrom, said bar having a zero point thereon and means for determining when said zero point is in vertical alinement with the end of said arm the calibrations on said bar being arranged to indicate the horizontal distance between the end of said arm and a fixed point on the vessel.

2,240,702
ASH REMOVING APPARATUS FOR INCINERATORS OR THE LIKE
Howard J. King, Wilkinsburg, Pa., assignor to Nichols Engineering & Research Corporation, New York, N. Y., a corporation of Delaware
Application June 28, 1940, Serial No. 342,884
16 Claims. (Cl. 110—165)



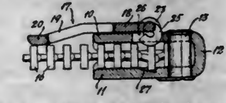
1. In a furnace construction, the combination of a rotatable annular ash pan adapted for receiving water to seal the lower portion of the furnace against escape of gases or dust, a substantially concentric annular furnace wall having an annular portion for depending into the water, the periphery of the pan being spaced from such wall, to afford access of ash-removing means to the pan, ash-removing means extending down in the resulting space to points beneath said wall portion, and means for oscillatably mounting said ash-removing means about an axis directed inwardly toward the furnace and upwardly whereby the ash-removing means oscillates along a plane directed upwardly and outwardly of the furnace.

2,240,703
PROJECTOR FOR STEREOSCOPIC PICTURES
Fritz Köber, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application February 16, 1939, Serial No. 256,689
In Germany February 22, 1938
4 Claims. (Cl. 88—16.6)



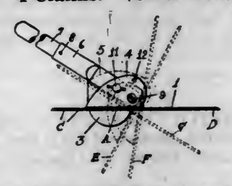
1. In an optical system for projecting stereoscopic pictures, a projection objective, two polarizing filters in front of said objective and covering each one half of the aperture of the same, the polarizing planes of said filters being positioned at an angle with respect to each other for polarizing the beam of light emitted by said objective differently, each of said polarizing filters being associated with one of the pair of pictures to be projected, two optical wedges in front of said polarizing filters for deflecting the beams of light passing through each said filters in a manner to project the images of said pair of pictures in superposition on a screen, and means for rotatably adjusting said optical wedges in unison about the optical axis of said optical system.

2,240,704
SLIDER FOR SEPARABLE FASTENERS
Max H. Lange, Maspeth, N. Y., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application November 10, 1939, Serial No. 303,717
6 Claims. (Cl. 24—205.5)



1. A slider for separable fasteners having coacting rows of locking elements formed for interlocking engagement, said slider comprising spaced plates connected together at one end by transverse means and having their other ends free and disconnected, a pull tab for actuating the slider pivotally attached at one end to one of said plates to enable said tab in one position to overlie a substantial portion of said plate with its free end projecting beyond the free end of such plate and overlying the rows of locking elements, said pull tab including an inner portion having a length at least as great as the longitudinal length of the tab supporting plate from the place of connection of said tab with said plate to the free end of said plate so as to extend to the free end of the aforesaid plate in such position of the pull tab and an outer portion offset with relation to said inner portion and having an element engaging surface positioned closer to the longitudinal center line of the slider than said inner portion and substantially in longitudinal alignment with the interior surface of said tab supporting plate so as to rest on the locking elements of the fastener adjacent to the free end of said supporting plate when the pull tab is in the aforesaid position, whereby said pull tab forms a protecting span over the free end of said supporting plate and pressure applied to the slider will be transmitted directly to the fastener structure.

2,240,705
UTILITY TOOL
Clara B. Klopfenstein, Bonner Springs, Kans.
Application March 9, 1940, Serial No. 323,192
4 Claims. (Cl. 97—68)



4. In a utility tool, a flat three pointed blade, said blade having an elongated slot therethrough near the center thereof, the slot being aligned longitudinally with an axis from one of the blade

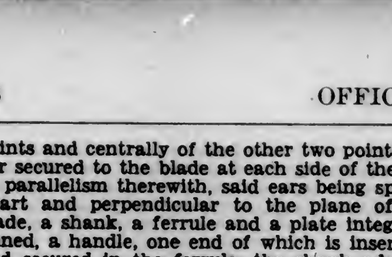
points and centrally of the other two points, an ear secured to the blade at each side of the slot in parallelism therewith, said ears being spaced apart and perpendicular to the plane of the blade, a shank, a ferrule and a plate integrally joined, a handle, one end of which is insertible and secured in the ferrule, the shank adapted to be mounted rockably between the ears, and means to connect the shank and ears for such rocking movement, the plate to slidably pass through the slot.

2,240,706
LUMINESCENT SCREEN
Russell R. Law, West Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1937, Serial No. 182,702
11 Claims. (Cl. 250—80)



3. A non-halation luminescent screen comprising a glass support surface, a layer of binding material, and particles of luminescent material imbedded in the binding material only to the extent of 20% of the area of said particles.

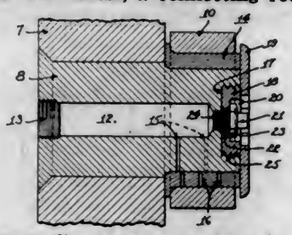
2,240,707
ELECTRIC LAMP FOR PICTURE PROJECTION
Erwin May, Wetzlar, Germany, assignor, by mesne assignments, to Frank Dumur, Lausanne, Switzerland
Application June 14, 1939, Serial No. 279,102
In Germany June 20, 1938
1 Claim. (Cl. 176—40)



An incandescent lamp for picture projection purposes having a filament consisting of four spaced parallel filament threads arranged in two planes parallel to the projection axis of the lamp, said planes being spaced equidistantly from said axis, the threads in one plane being alined with the threads in the other plane across said axis, the spaces between all of the threads being unobstructed, said threads being of such diameter and so placed in relation to each other and to the projection axis of the lamp that the unobstructed space between said threads along said axis is less than the diameter of the threads whereby to increase the effective light intensity of said lamp.

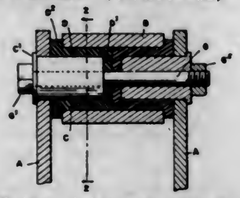
2,240,708
LOCOMOTIVE CRANKPIN BEARING
George McCormick, Redwood City, Ben M. Brown, Palo Alto, and Frank E. Russell, Alameda, Calif.
Application November 29, 1938, Serial No. 242,948
3 Claims. (Cl. 308—78)

1. A locomotive crankpin bearing comprising a crankpin formed with a threaded recess in its outer end and a bore extending from said recess longitudinally through the pin, means closing the inner end of said bore to form an interior chamber for containing grease, and said chamber having a passage extending outwardly to the bearing surface of the pin, interior threads in the outer end of said chamber, said threads having a characteristic different from that of the threads of said recess, a connecting rod having



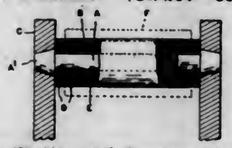
an eye surrounding said pin and having a bearing thereupon, a plug screwed into said recess, said plug having a peripheral flange of greater diameter than that of the bearing surface, and a grease connection screwed into the threads of said chamber, said grease connection having a shoulder bearing against said plug and being adapted to admit lubricant to said chamber and retain it therein.

2,240,709
OSCILLATION JOINT
Dell A. Mead, Detroit, Mich.
Application September 6, 1938, Serial No. 228,692
3 Claims. (Cl. 287—85)



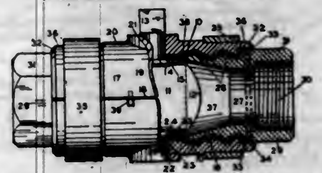
1. An oscillation joint comprising inner and outer concentric spaced members, a bushing having radially extending flanges at opposite ends thereof clamped to hold the same from axial contraction, said body being simultaneously circumferentially and axially stretched to be under tension also completely filling the space between said members and having its opposite faces respectively in fixed contact therewith.

2,240,710
OSCILLATION JOINT
Dell A. Mead, Detroit, Mich.
Application September 6, 1938, Serial No. 228,693
4 Claims. (Cl. 287—85)



1. An oscillation joint comprising a substantially rigid inner member and a surrounding body including resilient disks at opposite ends of said member, and intermediate circumferentially wound strands of resilient material stretched longitudinally to be under a predetermined initial tension and completely filling the space between said disks.

2,240,711
VALVE OR COCK
Trevlyn Whittal Miller, Parkview, Johannesburg, Transvaal, South Africa
Application April 19, 1940, Serial No. 330,492. In the Union of South Africa November 15, 1939
3 Claims. (Cl. 251—156)



1. A valve for controlling the flow of fluids comprising a resilient tube forming a tubular wall for a valve member, a rotatable spindle piercing the tube diametrically, a rigid valve disc fitting the bore of the tube and secured to the spindle, a split rigid cylindrical casing surrounding the tube, fastening means for holding together the parts of the casing, a bearing in each of the two parts of the casing for one end of the rotatable spindle, two collars each coaxial with the spindle and secured thereto between the valve disc and each of the bearings of the spindle said collars forming with the resilient wall fluid tight joints around the spindle where it pierces the tubular wall.

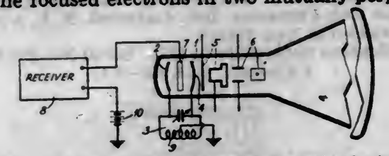
2,240,712
POWER TRANSMISSION SYSTEM
Noel Banner Newton, Acton, London, England
Application September 25, 1937, Serial No. 165,676
In Great Britain September 30, 1936
17 Claims. (Cl. 192—.01)



1. Power transmission control mechanism for mechanically propelled vehicles having clutch withdrawal means and an engine speed control means, in combination with means for interconnecting the clutch withdrawal means with the engine speed control means said interconnecting means comprising a mechanical connection actuated by the clutch withdrawal means and including a permissively operated link, and a trip member connected to be moved by said link and having lost motion engagement with the engine speed control means whereby to raise the engine speed above idling speed during operation of the clutch withdrawal means.

2,240,713
ELECTRON MULTIPLIER
Richard Orthuber, Berlin, and Eberhard Steudel, Berlin-Dahlem, Germany, assignors to Allgemeine Elektricitats-Gesellschaft, Berlin, Germany, a corporation of Germany
Application July 1, 1937, Serial No. 151,440
In Germany July 7, 1936
10 Claims. (Cl. 250—27)

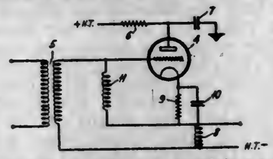
1. A cathode ray tube system comprising a dynamic secondary electron multiplier having a plurality of secondary emissive electrodes, a target electrode positioned in register with said multiplier and spaced longitudinally therefrom, means to withdraw electrons from said multiplier, means to direct toward and focus upon said target electrode the withdrawn electrons, means interposed between said multiplier and said target electrode for producing a deflection of the focused electrons in two mutually perpendicular directions across said target electrode, means to receive signalling energy, and means to vary the electron multiplication ratio of the multiplier in accordance with the received signalling energy.



2,240,714
CATALYTIC OXIDATION OF KETONES
John J. Owen, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 24, 1938, Serial No. 247,633
9 Claims. (Cl. 260—541)

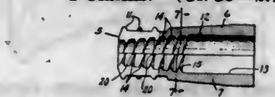
1. Process for the catalytic oxidation of ketones which comprises subjecting a ketone, having the carbonyl group connected to at least one aliphatic atom, to oxidation, in the liquid phase, by means of a gas containing oxygen, in the presence of a catalyst containing a compound having manganese in the anion and an alkali metal in the cation, said compound being present in an amount substantially less than that required for chemical oxidation of the ketone.

2,240,715
AMPLIFIER
William Spencer Percival, Ealing, London, England, assignor to Electric & Musical Industries Limited, Middlesex, England, a company of Great Britain
Application October 21, 1937, Serial No. 170,140
In Great Britain October 28, 1936
5 Claims. (Cl. 179—171)



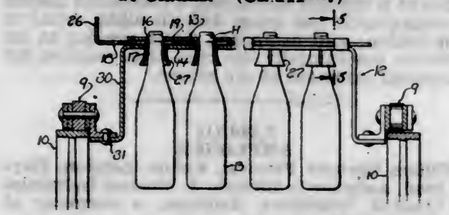
1. An amplifying system comprising an electron discharge valve having a cathode, a control electrode, and an anode, a source of voltage having positive and negative terminals, a parallelly connected resistor and condenser, an impedance connected between the negative terminal of the voltage source and one junction point of the parallelly connected resistance and condenser, the other junction point of said parallelly connected resistor and condenser being connected with a cathode to said valve, an input circuit connected between the control electrode and said negative terminal, said input circuit being tuned to a predetermined frequency by the effective input capacity of said valve, an auxiliary inductance connected between said control electrode and said first named junction point, said inductance being of such magnitude as to be tuned to said predetermined frequency by the control electrode-cathode capacity of said valve, a load circuit, and means to supply output energy from across said impedance to said load circuit.

2,240,716
BOLT ANCHOR
Henry W. Pleister, Westfield, and John Karitzky, Garwood, N. J., assignors to Diamond Expansion Bolt Company, Inc., Garwood, N. J., a corporation of New Jersey
Application September 8, 1939, Serial No. 293,946
4 Claims. (Cl. 85—2.4)



1. An expansible bolt anchor shield formed of a plurality of expansible parts provided with a tapering bore having a single interrupted female thread having areas of maximum and minimum thickness to cooperate interchangeably with lag screws having male threads of different pitches, the maximum longitudinal cross-sectional area or thickness of the turns of the female thread being spaced from the parting line between the sections of the expansible shield.

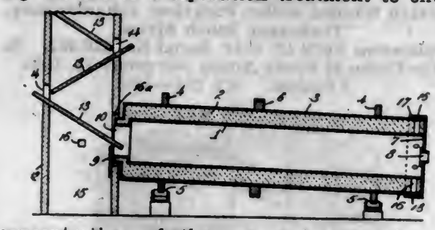
2,240,717
BOTTLE WASHING MACHINE
Philip C. Read, Shorewood, Wis., assignor to Dostal & Lowey Co., Inc., Menomonee Falls, Wis., a corporation of Wisconsin
Application February 20, 1939, Serial No. 257,445
10 Claims. (Cl. 141—7)



1. A bottle carrier for bottle washing machines comprising: a bar having openings to receive the necks of the bottles; a slide movably connected with said bar and engageable with the bottles to lock the same to the carrier bar; arms extending from said carrier bar toward the direction from which the bottles are inserted; and means on the extremities of the arms by which the arms may be attached to conveyor chains; said carrier arms having a length substantially equal to one-half the height of the bottles so as to hold the same spaced equal distances on each side of the plane common to the conveyor chains.

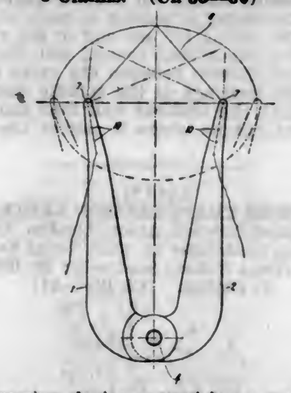
2,240,718
CONCENTRATION OF ORES
Le Roy Edgar Schiffman, Claude Sims Lawson, and Joseph Thomas Blakemore, Birmingham, Ala.
Application August 13, 1938, Serial No. 224,694
15 Claims. (Cl. 209—6)

1. The method of concentrating low grade oxidized iron ores which comprises subjecting the ore while at a temperature varying from 900° F. to 1500° F. to a combined roasting and grinding treatment to effect grinding and separation of the metal bearing material and gangue, said grinding being effected by breaking the ore under the impact of a hard body to such fineness that it will substantially all pass through a 10-mesh screen, said roasting and temperature conditions being such as to cause the ore to break more effectively when subjected to impact at the time of roasting, and subsequently subjecting the ore to a separation treatment to effect



concentration of the ore and separation of gangue therefrom.

2,240,719
DRAWING DEVICE
Erik G. Seastrom, Easton, Pa.
Application May 3, 1940, Serial No. 333,185
3 Claims. (Cl. 33—30)

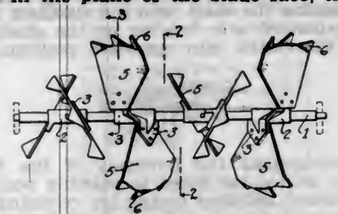


1. A drawing device comprising a pair of arm members pivotally secured to each other at one end and adjustable at their free ends with respect to the space therebetween, each of said arm members having a series of transverse apertures, a string having its ends laced in said apertures and capable of adjustment as to the length of the bight, and the free extremity of each of the arm members having the lower surface thereof cut away to a depth appreciably greater than the thickness of the string and each of the end apertures extending into the cut away portions, whereby the ends of the bight have unrestricted movement about the foremost aperture of each arm member when the device is held against the drawing paper.

2,240,720
DISTRIBUTOR BLADE FOR MANURE SPREADERS OR THE LIKE
Bernard J. Selhorst, Coldwater, Ohio
Application January 12, 1940, Serial No. 313,583
3 Claims. (Cl. 275—6)

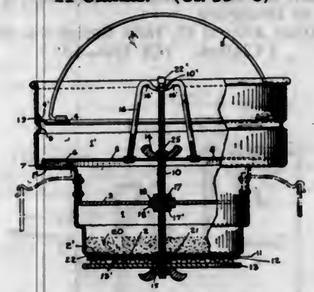
1. A distributor blade of the class described for revoluble movements about the axis of a mounting shaft, said blade being of substantially segmental form in plan with its narrow end inwardly disposed relative to its axis of revolution and having a broad flat material contacting face oblique to its plane of revolution and provided at its circumferential edge with a plurality of circumferentially spaced teeth projecting over and inclined to said face, the front edges of said teeth,

relative to the direction of revolution of the blade, being rearwardly inclined, and the front edge of said blade, relative to its direction of revolution, having a single tooth formation projecting forward in the plane of the blade face, the outer



edge wall of said tooth, relative to said axis, commencing at a point within and extending to the blade circumference to facilitate rearward sliding off of material striking the front edge of the blade.

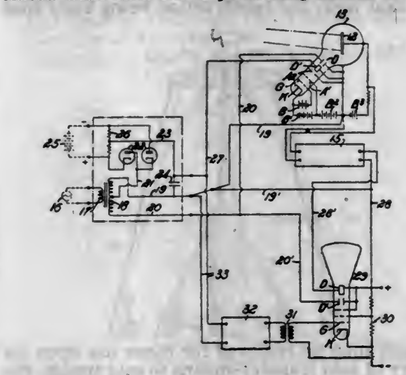
2,240,721
COFFEE MAKING APPARATUS
Henry Selitzky, Brooklyn, N. Y.
Application November 19, 1937, Serial No. 175,367
11 Claims. (Cl. 53—3)



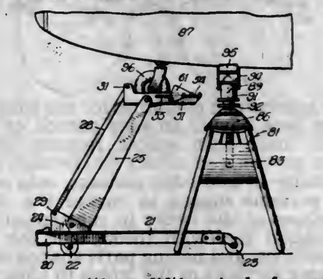
1. In apparatus of the character indicated, a receptacle for finely divided material and liquid to be passed therethrough, an outlet for said liquid after it has passed through said material and a filter between said material and outlet comprising a plurality of plates superposed and having parallel opposing surfaces each having numerous small perforations therein out of alignment but arranged with their edges in close proximity to those of another plate, and means for maintaining said plates in fixed position and relation to each other whereby said liquid is caused to pass through the perforations of one plate, between the surface of said plate and the next and through the perforations of the second plate.

2,240,722
COLOR ANALYZER
Harold A. Snow, Mountain Lakes, N. J.
Application April 4, 1938, Serial No. 200,054
24 Claims. (Cl. 88—14)

21. In apparatus of the character described, in combination, spectrophotometric means for making analyses of two or more color specimens, means for effecting repeated periodic operation of said spectrophotometric means to produce said analyses at a rate of on the order of sixteen per second, means operatively connected to said spectrophotometric means for producing a visible curve representative of each of said analyses substantially simultaneously with the making thereof whereby there are substantially instantaneously produced a number of curves equal to the number of specimens analyzed, and means associated with said curve producing means for substantially simultaneously superimposing said curves on a common scale.



2,240,723
AIRPLANE LIFTING AND SUPPORTING SYSTEM
Rolla G. Stoehr, Chatham, Ontario, Canada, assignor to Weaver Manufacturing Company, Springfield, Ill., a corporation of Illinois
Application May 29, 1940, Serial No. 337,763
26 Claims. (Cl. 254—2)

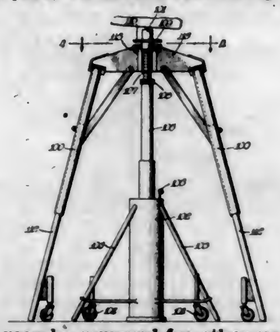


1. For use with a lifting-jack for airplanes having a saddle to support and to raise a ground-wheel of the airplane and to elevate the corresponding portion of the airplane thereby, the novel feature of connecting-means associatable with, and operable by some means of, said jack designed to engage a portion of the airplane and, when actuated by said operating-means, to move the jack and airplane relative to one another to cause said wheel to roll on to said saddle.

2,240,724
AIRPLANE JACK AND SUPPORTING SYSTEM
Rolla G. Stoehr, Chatham, Ontario, Canada, assignor to Weaver Manufacturing Company, Springfield, Ill., a corporation of Illinois
Original application May 29, 1940, Serial No. 337,763. Divided and this application December 21, 1940, Serial No. 371,125
8 Claims. (Cl. 254—1)

1. In an airplane-wing lifting, lowering and supporting system, the combination of transfer-means designed to engage the underside of the airplane-wing, a lifting and lowering jack adapted to carry said transfer-means and to raise and to lower the wing thereby, and a supporting-trestle adapted to be placed in cooperative relation with said transfer-means in its elevated

wing-supporting position and to receive and to support said transfer-means upon lowering thereof by said jack, the construction being such that



said jack may be removed for other use upon its delivery of said transfer-means to said trestle, the reverse of said operations causing the lowering of said wing.

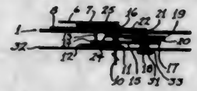
2,240,725
OPHTHALMIC MOUNTING
Harry H. Styll, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application June 16, 1938, Serial No. 214,067
2 Claims. (Cl. 88—47)



1. An ophthalmic mounting for use with a pair of lenses each having an edge portion of predetermined shape with spaced recesses adjacent said edge portion, comprising rim sections shaped substantially to said edge portions, said sections having portions shaped to engage the opposed side surfaces of the lenses in substantially intimate relation therewith throughout the extent of said sections, and having parts shaped to overlie the edge surfaces of the lenses in close fitting relation therewith at least one of said portions which are shaped to engage the opposed side surfaces of the lenses being resilient and adapted to cause said portions to have a strong resilient clamping engagement with said opposed surfaces, with one of said portions having anchor means adapted to be interfitted with the respective recesses by snapping the rim section on to the lens and to hold the rim section in desired relation with the edge and side surfaces of the lens when in engagement with said recesses, said portions shaped to engage the opposed side surfaces of the lenses being spaced sufficiently to allow the pressing in of the lenses to assemble same by cam action with said anchor means.

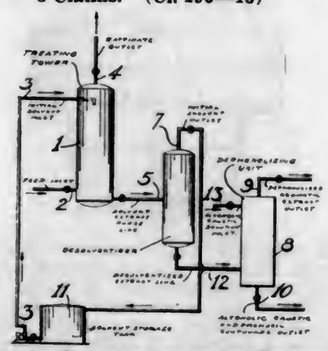
2,240,726
PARKING METER
Charles O. Tucker, San Francisco, Calif.
Application April 22, 1938, Serial No. 203,594
2 Claims. (Cl. 161—15)

1. The combination with an automobile clock including a clock train of gears, of an auxiliary gear continuously rotated by the gear train, a time-indicating dial, a hand movable over the dial to indicate elapsed time, a second gear operatively connected to the hand for moving it, a shaft rigidly secured to the second gear and rotatably supporting the auxiliary gear, a stop for abutting the hand at zero position on the dial, a spring for yieldingly returning the hand into abutting relation with the stop, a clutch for connecting the shaft with the auxiliary gear, a spring-pressed arm bearing on the shaft for moving the clutch into operative position, the



clutch overcoming the tendency of the shaft spring to return the hand to starting position, and electrical actuated means for releasing the spring-pressed arm and for freeing the clutch, whereby said shaft spring will return the hand to starting position, said electrical means holding the clutch in inoperative position so long as it is energized.

2,240,727
EXTRACTION OF PHENOLIC COMPOUNDS FROM MINERAL OILS
Hans G. Vesterdal, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 27, 1938, Serial No. 227,040
3 Claims. (Cl. 196—13)

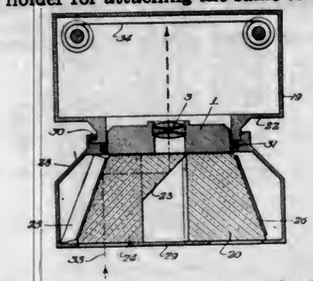


1. Process of recovering naturally occurring phenolic type compounds from mineral oil comprising treating said oil with di-ethylene glycol mono-methyl ether under conditions to form a raffinate phase and a solvent extract phase, removing the solvent aromatic extract phase containing the phenolic type compounds, separating the solvent therefrom, then re-extracting the solvent free aromatic extract containing the phenolic type compounds with a selective solvent to remove the phenolic type compounds, separating the phenolic extract and recovering the phenols therefrom.

2,240,728
STEREO CAMERA
Otto Vierling, Dresden-Blasewitz, and Fritz Köber, Dresden, Germany, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application November 17, 1938, Serial No. 241,065
In Germany November 19, 1937
3 Claims. (Cl. 95—18)

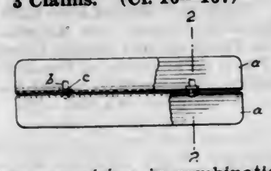
1. In a stereoscopic camera, a camera casing having a front wall, two similar photographic objectives having their axes parallel to each other, a mount in which both objectives are mounted one above the other and with their axes parallel to the axis of said mount, means on said

front wall for rotatably supporting said mount, the axes of said objectives being equidistant from the axis of rotation of said mount, at least one prism for each of said objectives, said prisms collecting and directing the light entering the camera to their respective objective, so as to produce two pictures from the object photographed, a holder in which said prisms are mounted, means on said holder for attaching the same to the front



wall of said camera in a predetermined position and also in such a position that each prism will be supported in front of its respective objective, and manually operable means for simultaneously rotating and axially shifting said mount and the two objectives therein, whereby the distance of the plane of convergence from the camera is made equal to the distance of the object to be photographed from the camera and the objectives are focused on the said object.

2,240,729
FITTING FOR STORE COUNTERS
Raymond T. von Palmenberg, New York, N. Y.
Application August 25, 1938, Serial No. 226,659
3 Claims. (Cl. 16—167)

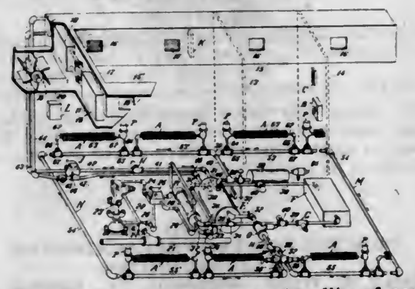


3. A fitting comprising, in combination, a pair of channel members, the sides of which converge adjacent their free ends, said channel members respectively being adapted to engage members to be secured together, a transverse slot in the bottom of one of the channel members, said slot extending from the bottom into one of the walls of said member, means carried by the other member and adapted when said members are assembled together to extend through said transverse slot to secure said members together while permitting said members to move into various angular relationship with one another.

2,240,730
SOLUTIONS OF POLYVINYL ALKYL KETONES AND A PROCESS OF POLYMERIZING VINYL ALKYL KETONES
Arthur Voss and Kurt Billig, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 14, 1938, Serial No. 207,910. In Germany May 18, 1937
11 Claims. (Cl. 260—32)

1. Solutions of polyvinyl alkyl ketones in a mixture of water and an aliphatic monoalcohol miscible with water.

2,240,731
APPARATUS FOR HEAT TRANSFER BY CIRCULATING WATER
John Van Vulpen, Chicago, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York
Application March 2, 1940, Serial No. 321,848
2 Claims. (Cl. 237—8)



1. In a means for heating a plurality of compartments by means of hot water, a supply tank, means for maintaining the water in the tank at a predetermined temperature, a pipe loop leading from the tank through the several compartments in series and back to the tank, a motor-driven pump in said loop for enforcing a circulation of heated water through the loop and tank, a plurality of radiators one in each compartment, a pair of riser pipes for each radiator connecting the respective ends of the radiator with the pipe loop at spaced apart locations, a plurality of cut-off valves one for each radiator and located in one of said pair of risers, means in said pipe connections for causing a portion of the circulating liquid stream to be shunted through a radiator when its respective valve is open, means for individually opening and closing the valves, and means for causing the pump to operate when any one of the valves is open but stopping the pump when all valves are closed.

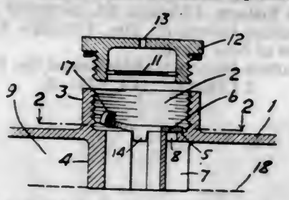
2,240,732
LITHOGRAPH PLATE PREPARATION
William H. Wood, Bedford, Ohio, assignor to The Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application November 21, 1938, Serial No. 241,512
4 Claims. (Cl. 101—401.1)

1. In the preparation of lithographic plates, promoting the moisture-retaining capacity of a plate which is predominantly of aluminum by including a small amount of manganese in the plate.

2,240,733
FILLING AND VENTING STRUCTURE FOR STORAGE BATTERIES
Joseph Lester Woodbridge, Philadelphia, Pa., assignor, by mesne assignments, to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application December 15, 1938, Serial No. 245,834
18 Claims. (Cl. 136—178)

8. A storage battery cell cover having a well, as a filler opening, said well having an interior shoulder, a hollow tube-like portion extending downwardly from said shoulder and open to said well, at least one perforation through said shoulder to a point exterior to said tube-like portion, a weight-controlled valve member in said well capable of resting on said shoulder so as to

cover said perforation and shaped to permit filling through said tube-like portion, and a vented filler cap for closing said filler opening, means

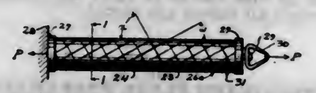


for tilting said valve away from the perforation, said means including a portion of the filler cap for contacting the valve to tilt it upon application of the filler cap.

2,240,734
PROCESS FOR THE PREPARATION OF PENTAERYTHRITOL
Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, Allentown, Pa.
No Drawing. Application March 28, 1940, Serial No. 326,377
7 Claims. (Cl. 260—635)

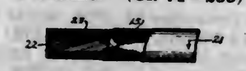
1. The process for the preparation of pentaerythritol comprising the condensation in aqueous media of formaldehyde and acetaldehyde to pentaerythritol in the presence of a fixed alkali and an aliphatic acid amide containing not more than 5 carbon atoms.

2,240,735
ROUND BELT
Charles W. Yelm and Antone F. Reznicek, Denver, Colo., assignors to The Gates Rubber Company, Denver, Colo., a corporation of Colorado
Application February 24, 1940, Serial No. 320,568
11 Claims. (Cl. 74—238)



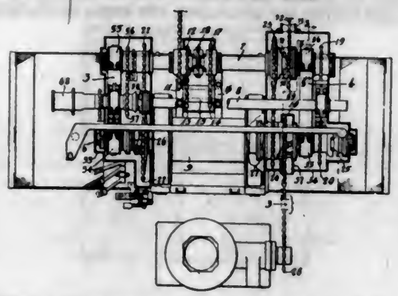
3. An endless, self-turning, round belt having a central cord core surrounded by rubberized fabric, the body having incorporated therein at least two sets of oppositely wound helically extending tension members, the members of each set having different pitch angles whereby opposed torque forces are produced when the belt is subjected to tension, the resultant of said torque forces tending to twist the belt about its axis and cause it to rotate during operation.

2,240,736
SELF-TURNING ROUND BELT
Charles W. Yelm and Antone F. Reznicek, Denver, Colo., assignors to The Gates Rubber Company, Denver, Colo., a corporation of Colorado
Application March 25, 1940, Serial No. 325,776
6 Claims. (Cl. 74—238)



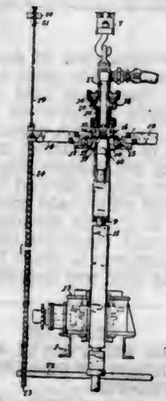
1. A round self-turning belt, comprising a core of substantially parallel cords, a covering of fabric, and means comprising cords extending helically around the axis of the belt in the same direction, to produce a torque action when the belt is subjected to tension.

2,240,737
DRAWWORKS
Forrest J. Young, Los Angeles, Calif., assignor, by mesne assignments, to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 14, 1937, Serial No. 136,750
5 Claims. (Cl. 74—217)



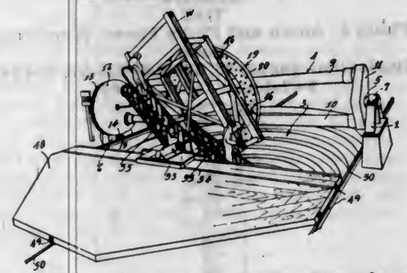
1. In a drawworks having a drive shaft, a driven shaft, and transmission connections between the shafts, the combination of an enclosure surrounding said transmission connections, a power take-off sprocket mounted on the driven shaft, said sprocket being enclosed by a case extending into the space bounded by said enclosure, means independent of said shaft providing a releasable driving connection between said transmission connections and said power take-off sprocket, and a chain connected to said power take-off sprocket and extending exteriorly of said case to rotate a driven element.

2,240,738
ROTARY DRILLING RIG
Joseph Alexander Dunn, Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 14, 1937, Serial No. 153,554
6 Claims. (Cl. 255—23)



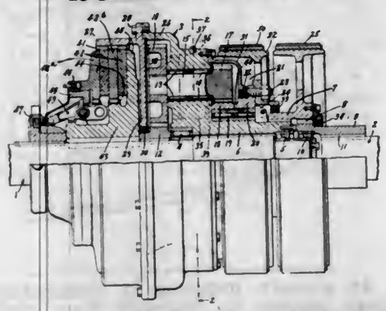
1. In a rotary drilling device for rotating a drill string, the combination of a swivel to rotatably support said drill string, a kelly having a longitudinal bore through which a portion of said drill string extends, said kelly being provided at its upper end with a portion having a tapered seat formed therein, said swivel having a member provided at its lower end to effect a driving connection between the drill string and the kelly, said member having a complementary tapered portion adapted to register with the tapered seat of the kelly to align the swivel and kelly.

2,240,739
MANIPULATOR
James O. Bishop, Torrance, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 8, 1939, Serial No. 260,604
9 Claims. (Cl. 113—59)



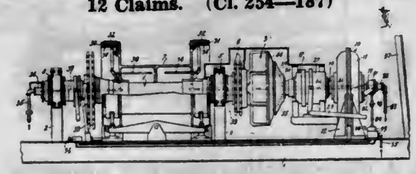
1. In a manipulator, the combination of a pair of spaced supports, a pit intermediate said supports, a cradle spanning said pit including a plurality of longitudinal beams joined by a cross member at each end, bearing means whereby said cross members are rotatably mounted on said supports, an annular ring located above said pit and disposed intermediate said supports, a plurality of spaced rollers each rotatably mounted on said cradle for rotation in a common plane, said rollers cooperating to support said annular ring for rotation about an axis substantially at right angles to the axis of rotation of the cradle, means carried on the cradle adapted to rotate said annular ring, and means acting on one of said cross members adapted to rotate said cradle.

2,240,740
TRANSMISSION
John S. Morgan, Jr., Hermosa Beach, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 6, 1939, Serial No. 298,237
13 Claims. (Cl. 74—298)



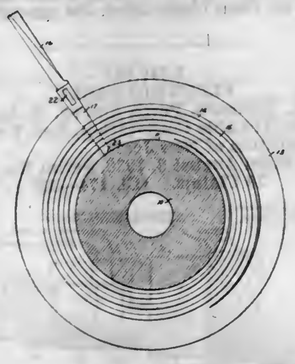
1. In a transmission, the combination of a shaft having a gear fixed thereon, bearing means on said shaft at one side of said gear, a spider rotatably supported on said bearing means, an external spur gear rotatably mounted axially of said spider, gear means carried by the spider operatively connecting said fixed gear and said external spur gear, releasable means selectively operable to hold said external spur gear stationary, whereby the spider and shaft are caused to have relative rotation therebetween, and releasable clutch means adapted to place the spider in direct driving relation with said shaft whereby the shaft and spider rotate at the same speed.

2,240,741
DRAWWORKS
John D. Spalding, Los Angeles, Calif., assignor to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 5, 1940, Serial No. 317,313
12 Claims. (Cl. 254—187)



1. In a hoisting mechanism, the combination of a pair of rotatable shafts independently mounted and positioned substantially in end-to-end axial alignment, coupling means for effecting a driving engagement between adjacent ends of said shafts, one of said shafts having formed therein a passageway for conveying a fluid, the other of said shafts having an axial bore extending therethrough, and a fluid conducting tube positioned within said bore and insertable axially into operative engagement with said passageway.

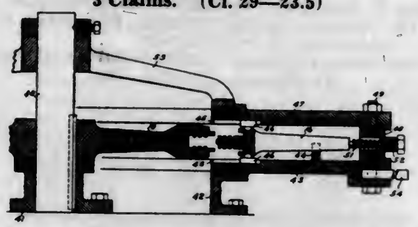
2,240,742
TURBINE BLADE ATTACHMENT AND METHOD AND APPARATUS THEREFOR
Robert C. Allen, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application November 26, 1937, Serial No. 176,515
10 Claims. (Cl. 29—23.5)



1. A turbine blade assembly comprising a circular support member and a blade member, one of said members being provided with a slot having at least one annular wall thereof spirally threaded, the other member being provided with a complementary threaded projection engaging said threaded slot wall of said first mentioned member.

6. The method of attaching peripheral members to a circular central support which comprises threading said peripheral members inwardly within an annular spirally threaded groove on the periphery of said support.

2,240,743
APPARATUS FOR ATTACHING TURBINE BLADES
Robert C. Allen, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Original application November 26, 1937, Serial No. 176,515. Divided and this application July 15, 1940, Serial No. 345,509
3 Claims. (Cl. 29—23.5)

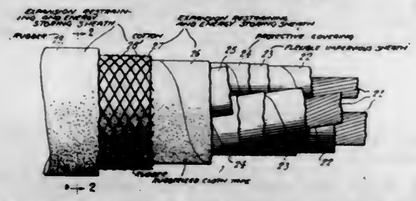


1. A blade-mounting apparatus comprising a support for a turbine disk, means independent of said disk for supporting a plurality of turbine blades in radial positions around a substantial portion of the periphery of said disk and in the plane thereof, and means for rotating said blade support relatively to said disk support.

2,240,744
UNDERWATER COMPOUND
John B. Arpin, Fort Lauderdale, Fla., assignor to Beach Erosion Control Company, Miami Beach, Fla., a corporation of Florida
No Drawing. Application July 16, 1937, Serial No. 153,942
6 Claims. (Cl. 106—35)

1. An underwater cementitious compound capable of use in an exposed manner under water, comprising an intimate mixture of sand, cement and fire clay, said ingredients being present in the proportions by volume of cement 20 to 35% of the whole, fire clay 20 to 35%, and sand in an amount not greater than three times the quantity of fire clay.

2,240,745
ELECTRIC CABLE
Ralph W. Atkinson, Perth Amboy, N. J., assignor to General Cable Corporation, New York, N. Y., a corporation of New Jersey
Application August 8, 1936, Serial No. 94,920
19 Claims. (Cl. 174—13)



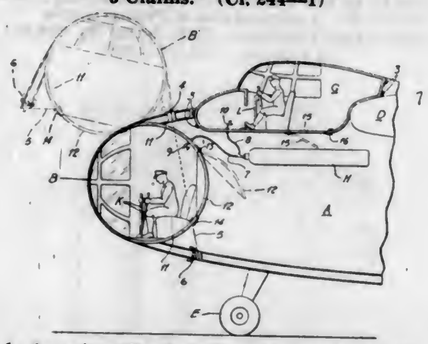
1. In high tension electric cable having an expansible and contractible sheath to accommodate for changes in the volume of the conductor and insulation, the combination of a conductor, an enveloping body of porous insulating material impregnated with an insulating compound, a thin, flexible, impervious integument enclosing the insulated conductor, said integument having an out-of-round contour in any cross section through the cable to permit variation in its enclosed volume merely by flexing of the integument and an expansion-restraining sheath overlying the thin, flexible, impervious integument, said sheath comprising elastic material capable of storing energy as the insulating compound expands and distends the thin, flexible integument and of utilizing the stored energy to constrict the thin, flexible integument as the insulating compound contracts, to maintain the insulating compound under a positive pressure at all times.

2,240,746
TOY
Philip C. Auren and Philip Fierer, Worcester, Mass.
Application August 29, 1940, Serial No. 354,747
5 Claims. (Cl. 273—97)



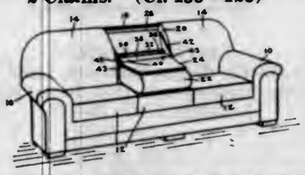
1. In a device of the class described, a hollow tapered cone-like element having both ends open to form annuli, a handle having an end bore forming an annulus, the latter being in abutting relation to one annulus on the element, and separate means connecting said element and handle at the abutment, and extending thru both of said latter mentioned annuli.

2,240,747
AIRCRAFT
Charles H. Babb, Los Angeles, and Josef S. J. Hlobil, Beverly Hills, Calif.
Application May 12, 1939, Serial No. 273,244
3 Claims. (Cl. 244—1)



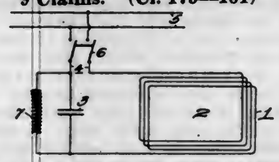
1. An aircraft, including in combination, a fuselage adapted for standard flight requirements and having a plurality of openings, compartment units for human occupancy removably fitted to said openings for the purpose of adapting the craft to special flight requirements, said compartment units each having an entrance door and constructed to withstand high pressures from within and without, and means for supplying a gaseous medium under pressure to said compartment units.

2,240,748
DAVENPORT
Walter J. Bak, Minneapolis, Minn.
Application March 13, 1939, Serial No. 261,549
2 Claims. (Cl. 155—123)



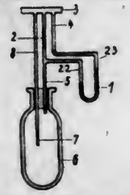
1. In a davenport having a frame, seat cushions, and fixed back panels, the combination of two spaced standards embodied in the frame, a cross-piece intermediately connecting said standards, a cushioned back panel having a board forming the rear thereof, an extension member hinged to the lower end of said board, and means for hinging said extension member to said cross-piece whereby said board and its extension will serve as a table when said panel is swung downwardly upon one of the seat cushions.

2,240,749
ALTERNATING CURRENT DEMAGNETIZER
John T. Beechlyn, Worcester, Mass., assignor to O. S. Walker Co. Inc., Worcester, Mass., a corporation of Massachusetts
Application November 6, 1939, Serial No. 302,956
9 Claims. (Cl. 175—181)



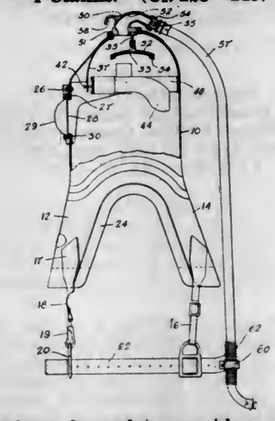
4. Apparatus for the demagnetization of steel parts, comprising an alternating current circuit of substantially constant frequency, an inductive winding in said circuit, a capacity also in said circuit connected in series with said winding, the relative magnitudes of the capacity and inductance being such as to cause the current in said circuit to be in leading phase with respect to the voltage, and a space in the magnetic field of said inductive winding adapted to receive parts to be demagnetized.

2,240,750
RATE OF CLIMB INDICATOR
Adolf Bestelmeyer, Berlin-Zehlendorf, Germany, assignor to Askania-Werke A. G. vormals Centralwerkstatt - Dessau und Carl Bamberg-Friedenau, a corporation of Germany
Application May 12, 1938, Serial No. 207,627
In Germany March 30, 1937
13 Claims. (Cl. 73—179)



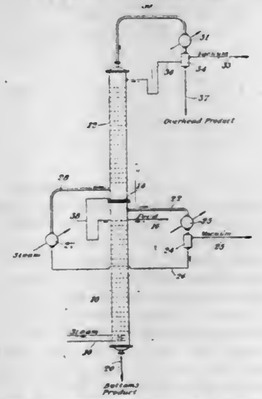
1. A rate of climb indicator comprising, in combination, a closed air volume, a flow-resistance by means of which said closed air volume is in communication with the atmosphere; a member being responsive to differential pressures between the interior of said chamber and the atmosphere; a part consisting of one-half of the total flow-resistance mounted in the closed air volume, whilst the other half of the total flow-resistance is subjected to the temperature of the outside atmosphere.

2,240,751
HELMET
George A. Boesger, North Olmsted, Ohio, assignor to The W. W. Sly Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application October 20, 1938, Serial No. 236,066
4 Claims. (Cl. 128—143)



4. A helmet formed to provide a covering for the head of the wearer and a front and back portion to cover the shoulders, an air-supply fitting secured centrally to the top of said helmet, a head pad supported by said fitting and disposed in said helmet in a position to lie on the head of the wearer, and means for adjusting said pad vertically relatively to said fitting.

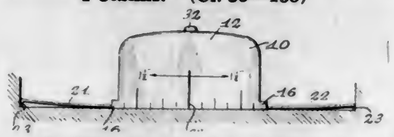
2,240,752
METHOD OF DISTILLATION
Marcel J. P. Bogart, Teaneck and James S. F. Carter, Passaic, N. J., assignors, by mesne assignments, to Heyden Chemical Corporation, New York, N. Y., a corporation of New York
Application April 14, 1938, Serial No. 201,864
1 Claim. (Cl. 202—52)



The method of separating a mixture of para-

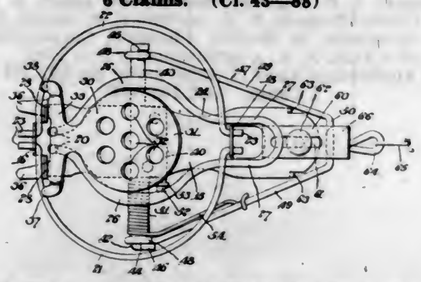
and ortho-chlortoluene into its constituents in a state of substantial purity, the steps which comprise feeding the mixture to a first distillation zone, maintaining said first zone under a vacuum, condensing the overhead from the first zone, revaporizing this overhead condensate, feeding the vapors to the bottom of a second distillation zone, maintaining said second zone under a substantially equal vacuum, condensing the overhead from the second zone, refluxing the second zone with a portion of the overhead condensate therefrom, removing the remainder of this overhead condensate as substantially pure orthochlortoluene, withdrawing the bottoms from the second zone, and refluxing the first zone therewith, and withdrawing the bottoms from the first zone as substantially pure parachlortoluene.

2,240,753
MEASURING DEVICE
Armand Bouchard and Joseph V. Tremblay, St. Joseph d'Alma, Quebec, Canada
Application April 12, 1940, Serial No. 329,391
4 Claims. (Cl. 33—138)



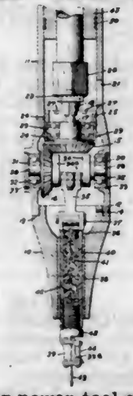
1. In a measuring device, a casing, a pair of complementary rules mounted in spaced relation in the casing and adapted to assume coiled arrangement therein, and means connecting the said rules whereby extension of one rule will cause corresponding extension of the other.

2,240,754
ANIMAL TRAP
Charles D. Briddell, Crisfield, Md.; Evelyn Andrews, Charles D. Briddell, Jr., Thomas H. Briddell, and Willis H. Briddell, executors of Charles D. Briddell, deceased, assignors to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania
Application April 13, 1938, Serial No. 201,694
6 Claims. (Cl. 43—88)



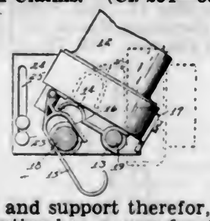
1. In an animal trap, a base member, a pair of curved gripping jaws pivotally mounted on said base member, spring means for closing said jaws, means for holding said jaws in set position, a spring actuated guard member, means for mounting said guard member for movement in a path substantially concentric to the gripping jaws when said jaws are in gripping position, said mounting means including members in alinement and transversely disposed with respect to the pivotal axis of the gripping jaws and having the ends of said guard member pivotally connected thereto, said guard member comprising a wire member having side portions flaring from its extremity to the pivotally connected ends, and means independent of the jaw holding means for holding said guard member in set position.

2,240,755
POWER TOOL
Martin Briggs, Oakland, Calif.
Application September 7, 1937, Serial No. 162,770
3 Claims. (Cl. 29—73)



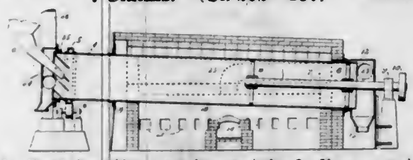
1. A reciprocating power tool energizable from a chuck driven by a source of rotary power comprising a handle formed to fit said rotary power source independently of rotation thereof, a spindle rotatably mounted within said handle to engage said chuck, a bevel gear fixed to said spindle, a second bevel gear disposed axially normal to and engaging said bevel gear, anti-friction bearings supporting said bevel gears, a link eccentrically connected to said second bevel gear, a hollow plunger pivotally connected to said link, said plunger slidably positioned within said handle and extending outwardly therefrom, apertures disposed through said hollow plunger, means disposed within said plunger for lubricating the external surface of said plunger through said apertures, and means associated with said plunger externally of said handle for engaging a working member.

2,240,756
VIBRATORY JACK SUPPORT FOR AUTOMOBILE HOISTS
Cyrus J. Bristol, Des Moines, Iowa, assignor to Globe Hoist Company, Des Moines, Iowa, a corporation of Iowa
Application May 24, 1940, Serial No. 337,045
11 Claims. (Cl. 254—89)



10. A jack and support therefor, comprising a jack, a supporting bar, means for detachably securing the supporting bar to an automobile hoist, means applied to the jack for pivotally connecting it to the bar to swing at right angles to the bar, and means for limiting said tilting movement.

2,240,757
APPARATUS FOR HEAT TREATING COAL
Arthur Glasgow Buck, Somerville, N. J., assignor to Charles M. Buck, Brooklyn, N. Y.
Application March 2, 1937, Serial No. 128,579
7 Claims. (Cl. 202—137)



1. Coal treating equipment including a rotatable drum adapted to the feed of coal therethrough, and mechanism for heat treating the coal fed through the drum including a chamber surrounding the drum, a source of supply of a heating gas, an inlet manifold at one side of one chamber, an outlet manifold at another side of said chamber, inlet means in an upper portion of the chamber for delivering gas from the inlet manifold to the chamber, and outlet means for discharging gas from a lower portion of said chamber, generally diametrically opposite the inlet means into the outlet manifold, the inlet and outlet means being distributed lengthwise of the drum throughout an extended length thereof.

2,240,758
FIGURE MOUNTING
Patricia Jean Camien, Clayton, Mo.
Application May 15, 1939, Serial No. 273,676
2 Claims. (Cl. 46—35)



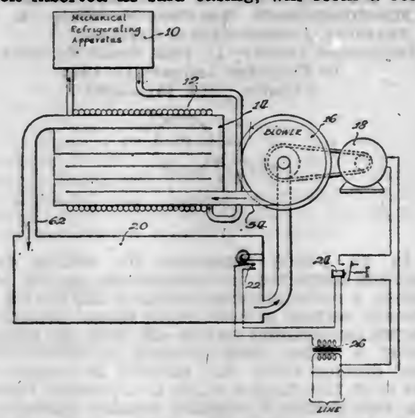
1. A figure mounting for cut out figures, comprising a supporting member having a portion thereof adapted to receive a cut out figure, a second and remote portion of said member mounting a body of adhesive, at least a portion of said body of adhesive being adapted to be transferred to the back of said figure to permit the same to be adhesively secured to said first portion of said supporting member.

2,240,759
POPPED CORN FOOD PRODUCT AND METHOD OF PREPARATION
Sheldon S. Chandler, Brooklyn, Wis.
No Drawing. Application June 16, 1939, Serial No. 279,551
3 Claims. (Cl. 99—166)

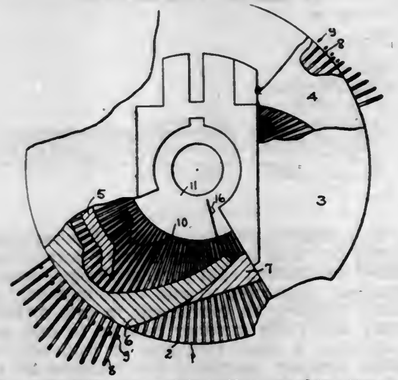
1. A preserving process which consists in admixing nutritious flavoring ingredients belonging to the class of vegetable and animal fats or oils with freshly prepared pop-corn serving as a matrix therefor, heating the mixture at a constant temperature that is sufficiently high and for a period sufficient to cause dehydration and provide a dry protective film over the surface of said pop-corn, and then packaging the heated resulting product in suitable containers for marketing and future consumption.

2,240,760
REFRIGERATING APPARATUS
Leonard F. Clerc, Chicago, Ill.
Application February 13, 1939, Serial No. 256,028
8 Claims. (Cl. 62—140)

1. In a heat exchange device for refrigerating apparatus, the combination of a casing, a horizontal plate having a plurality of vertical plates secured thereto to form a baffle structure which, when inserted in said casing, will form a relatively long circuitous passageway, and means in the walls of said casing for admitting air to one end of said circuitous passageway and discharging air from the other end of said passageway.



2,240,761
NEEDLE AND METHOD OF FRICTIONING
Arthur N. Cloutier, Lonsdale, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application October 13, 1938, Serial No. 234,813
1 Claim. (Cl. 66—24)



In a knitting machine the combination of a cylinder and dial, slots in the cylinder and dial in which are operable pivoted latch cylinder and dial needles, the latter being adapted and so controlled as to have their stitches transferred to cylinder needles, each dial needle being formed with a shank, a butt at about the mid-point of the shank, that part of the shank beyond and at the inner end from the butt being reduced in thickness, and in front of the butt there being a lateral recess reducing the section of the shank which is bent slightly at said point of reduced section, all dial needles being bent in the same direction so that when projected outwardly for transfer, they may incline to the radial direction of their slots but nevertheless assume equal lateral spacing at their projected ends thereby to facilitate transfer.

2,240,762
INKING APPARATUS FOR ANILINE COLOR PRINTING MACHINES

Paul Dietrich, Augsburg, Germany, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, a corporation of Germany

Application January 11, 1939, Serial No. 250,297
In Germany January 12, 1938
1 Claim. (Cl. 101—350)

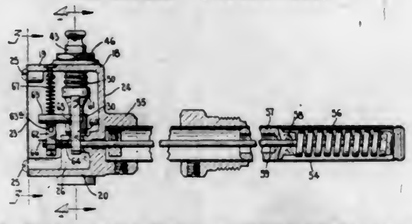


In an inking apparatus for aniline color printing machines, in combination, an ink container, a roller dipping thereinto and having an intaglio surface of even depth etched thereon, a doctor for scraping surplus ink from the dipping roller, a rubber roller operable in contact with said dipping roller and adapted to receive the ink from the dipping roller at a location following said doctor, a printing member operable in contact with said rubber roller, and a smooth surfaced squeegee roll cooperating with said rubber roller for smoothing the ink supplied to the rubber roller before the ink is transferred to the printing member.

2,240,763
CONTROL SYSTEM

Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application August 5, 1937, Serial No. 157,584
12 Claims. (Cl. 137—139)



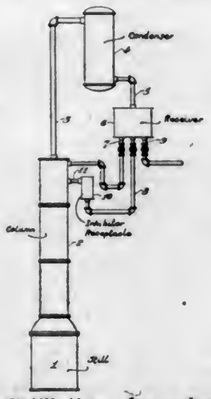
1. In a control device, a casing having a passageway for fluid including a valve port, a valve member controlling said port, a plunger member operatively connected to said valve member, said plunger member on movement in one direction moving said valve member relative to said port, an actuator, a shaft rotatable by said actuator, a latch member journaled for rotation on said shaft and releasably holding said plunger member against movement in said one direction, and an arm rotatable with said shaft to move said latch member to release said plunger member.

2,240,764
DISTILLATION OF VINYL AROMATIC COMPOUNDS

Robert R. Dreisbach and James E. Pierce, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application March 1, 1939, Serial No. 259,190
9 Claims. (Cl. 202—57)

1. In the distillation of a polymerizable vinyl aromatic compound, the step which consists in contacting said compound while in the distilling column with an agent effective in inhibiting polymerization thereof, the inhibitor being introduced during the distillation at a point near the top of the distilling column and being distributed through the major portion of the column.

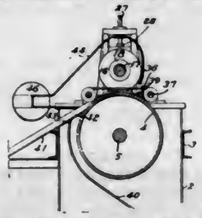


4. In the distillation of a polymerizable vinyl aromatic compound, the step of distilling the same through a distilling column containing a packing comprising a substantially insoluble agent effective in inhibiting polymerization of said vinyl aromatic compound, the packing extending upward in the column so that the distilling vapors must pass through it.

2,240,765
DEVICE FOR GROOVING PREFORMED SHEETS

Edward L. Dryer, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application June 28, 1939, Serial No. 281,728
16 Claims. (Cl. 90—11)



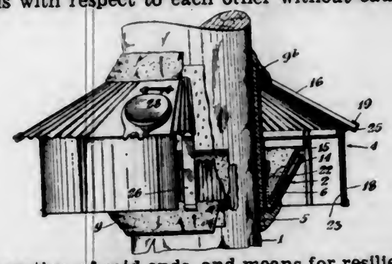
8. In a grooving device, means for forming a plurality of grooves in a preformed sheet, a feed drum for feeding sheets through said means, and a plurality of sheet tensioning elements disposed in alternate relationship with said means adapted to hold sheets taut during passage through said means.

2,240,766
TREE PROTECTOR

Earl B. Elder, Alhambra, Calif.

Application February 16, 1939, Serial No. 256,622
10 Claims. (Cl. 43—108)

1. In a tree protector, the combinaton of a trough-like member extending continuously about the tree to receive an insecticide or insect repellant, and the continuity of the trough-like member being interrupted only at one point where the ends thereof meet, the ends of said trough-like member being closed to prevent leakage of said insecticide or insect repellant and said closed ends overlapping each other to allow substantial growth of the tree and movement of said closed ends with respect to each other without causing



separation of said ends, and means for resiliently holding the ends in overlapped relation to permit growth of the tree.

2,240,767
DESK, TABLE, OR OTHER SIMILAR ARTICLE OF FURNITURE

Arthur C. Friedel, Syracuse, N. Y., assignor to J. F. Friedel Paper Box Company, Syracuse, N. Y., a corporation of New York

Application February 28, 1938, Serial No. 193,050
11 Claims. (Cl. 45—6)

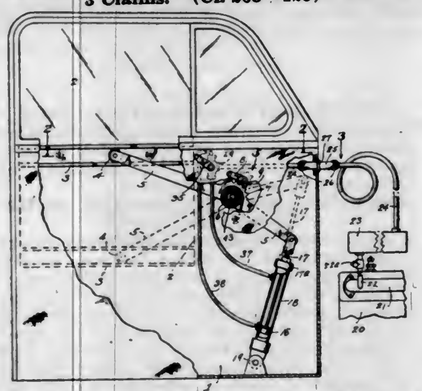


10. In a knock-down article of furniture of the class described, a substantially horizontally disposed top member provided with a leg receiving recess in the under side thereof, a bottom member having a leg receiving opening extending therethrough in alignment with the recess in the top member, panel members interposed between said top and bottom members, a leg member extending through the opening in the bottom member and fitted into said recess in the top member, and means releasably connecting the top, bottom, leg and panel members to each other.

2,240,768
AUTOMOBILE WINDOW OPERATING DEVICE

Robert L. Gill, Ridgefield, Wash.

Application April 19, 1939, Serial No. 268,650
3 Claims. (Cl. 268—125)

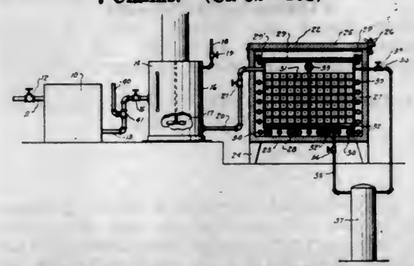


1. In an elevating and lowering mechanism for the window of an automobile door comprising a power cylinder element having a piston operatively engaged to said window, means for supplying operating fluid to said cylinder, a valve for selectively directing and controlling the flow of fluid from said means to said cylinder, and a manually operable handle for opening and closing said window, means for engaging and automatically disengaging said handle from said mechanism when it is not manually manipulated, a lock for said mechanism normally in engagement for preventing operation thereof, said lock being arranged in operative relation to said handle to become disengaged when said handle is manually manipulated, and a piston-and-cylinder control element connected with said lock to disengage it when said power cylinder is actuated.

2,240,769
MEANS FOR MANUFACTURING CARBONATED ICE

Max Glazer, Dallas, Tex.

Application October 25, 1937, Serial No. 170,731
7 Claims. (Cl. 62—108)

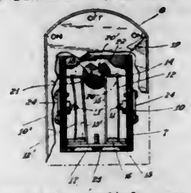


1. A freezing apparatus for freezing a carbonated liquid including, a casing having a closed freezing chamber therein, cooling coils surrounding the chamber, a plurality of superposed shelves each having a plurality of transverse partitions thereon removably mounted within the chamber, and a liquid inlet for introducing carbonated liquid into the chamber and onto said shelves, whereby the liquid is frozen into desired shapes in accordance with the disposition of the partitions and may be removed with the shelves from the chamber.

2,240,770
ELECTRIC SWITCH

Herman J. Hammerly, New Britain, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut

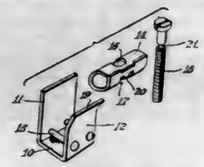
Application February 26, 1938, Serial No. 192,681
8 Claims. (Cl. 200—67)



1. In an electric switch, an operating bar, means for supporting one end of the bar and means for moving its other end, the movable end of said operating bar being under a spring force in one direction to move it transversely of its length, a buckling spring connected to the operating bar at one end and fixed at its other and substantially parallel thereto, an abutment for the buckling spring disposed between the ends thereof, said buckling spring being in a bowed

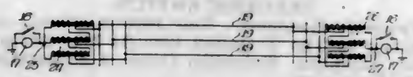
position with respect to said abutment when said movable bar is in normal position, movement of said operating bar in a direction opposed to said spring force moving the swinging end of the buckling spring toward the other end and decreasing the distance between the ends of said buckling spring so as to snap said buckling spring across its center line, and movement of said operating bar in the other direction under action of said spring force moving the swinging end of the buckling spring away from the other end and increasing the distance between the ends of said buckling spring to return said buckling spring to its normal position.

2,240,771
FUSE HOLDER
Herman J. Hammerly, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application September 14, 1940, Serial No. 356,789
9 Claims. (Cl. 200—134)



1. A sheet metal fuse holder with a U-shaped body portion for receiving the end of a fuse, a transverse bar extending between the arms of said U-shaped body portion for reinforcing the side arms of the body portion and for supporting and seating the fuse end and a wedge member adjustable on the body portion and adapted to clamp the fuse end against the body portion.

2,240,772
MEANS AND METHOD FOR HEATING CONDUCTORS
George W. Hampe and Kenneth W. Miller, Chicago, Ill.; said Miller assignor to said Hampe
Application September 12, 1938, Serial No. 229,406
5 Claims. (Cl. 171—97)



1. In an alternating current transmission system, in combination, a plurality of conductors, transformer windings connected to said conductors at their opposite ends to form a star connection at each end, each of said star connections having a neutral point, a source of heating current connected between one of said neutral points and ground, the other of said neutral points being connected to ground, and de-magnetizing windings opposing certain of said transformer windings for carrying current from said source of electromotive force through said conductors in parallel.

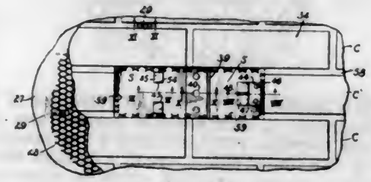
2,240,773
METHOD OF LITHOGRAPHY
Byron W. Hannon, Chicago, Ill.
Original application November 15, 1937, Serial No. 174,505. Divided and this application December 4, 1939, Serial No. 307,535
1 Claim. (Cl. 101—34)

A method of preparing lithographic plates comprising applying an adhesive coating including chalk to a flat substantially inexpansible rigid base, drying the coating, polishing it to a



smooth hard matte ink-receiving surface, inking a drawing upon said ink-receiving matte coating surface, and transferring the inked drawing to a lithographic printing plate.

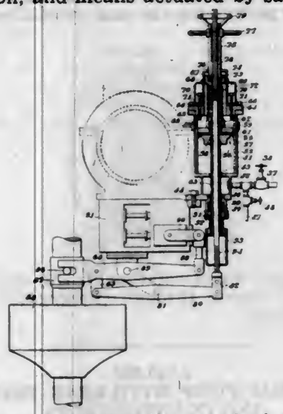
2,240,774
PREFABRICATED WALL PANEL
Eugene S. Harman, Chicago, Ill.
Application September 29, 1939, Serial No. 297,087
2 Claims. (Cl. 72—23)



1. A prefabricated building panel of veneered construction comprising a backing sheet, reticular material secured to said sheet, composition material keyed to said reticular material and molded into courses of blocks simulating masonry, a portion of said reticular material in at least one course near a marginal edge of said backing sheet being cut away to provide a space the size of about one-half a block, and securing and centering means on said backing sheet within said space for securing thereto an individual block, said marginal edge being offset to overlap the adjacent marginal edge of another backing sheet when in assembled relation.

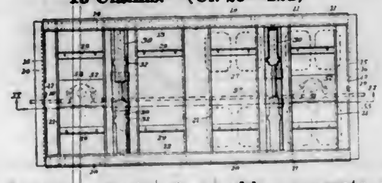
2,240,775
CONTROL SYSTEM FOR PIPE LINES
William Gillum Heltzel, Jennings Bryan Harshman, and John Ray Polston, Tulsa, Okla., assignors to Stanolind Pipe Line Company, Tulsa, Okla., a corporation of Maine
Application April 4, 1938, Serial No. 199,760
4 Claims. (Cl. 103—16)

1. In a control system for pipe line pumping stations including a prime mover, a pump driven by said prime mover and a fluid inlet to said pump, the combination which comprises a cylinder, a piston adapted to reciprocate within said cylinder, means for subjecting one face of said piston to the pressure in said fluid inlet, whereby said piston moves in accordance with said pressure, a control member, means actuated by said piston for moving said control member a fraction of the distance moved by said piston, and means actuated by said control



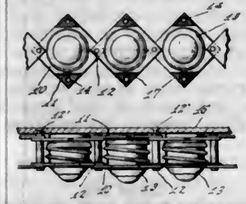
member for regulating the speed of said prime mover.

2,240,776
APPARATUS FOR MAKING CONCRETE BLOCKS
Albert Henderson, Edgewood, Pa., assignor to William P. Witherow, Pittsburgh, Pa.
Application September 16, 1938, Serial No. 230,186
13 Claims. (Cl. 25—121)



1. In an apparatus for making concrete articles, a shell comprising a bottom plate, studs extending upwardly therefrom, core bars secured to said studs and extending across said plate, cores mounted on said bars, a movable mold portion disposed in said shell and means secured to said studs for moving said movable mold portion.

2,240,777
SIGNAL
Okla H. Hershman, Indianapolis, Ind., assignor to Star-Lite Marker Company, Inc., Indianapolis, Ind., a corporation of Indiana
Application April 10, 1934, Serial No. 719,815
12 Claims. (Cl. 40—130)

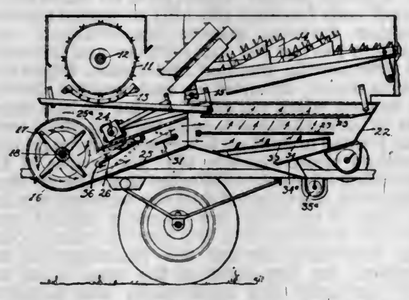


7. A reflector button assembly comprising a plurality of reflector button housings, oppositely disposed laterally extending ear portions on each housing, means joining said housings together through said ear portions and reflector buttons positioned within said housings and partially exposed.

2,240,778
METHOD OF AND MEANS FOR CURING CONCRETE
Carll W. Hunt, Los Angeles, Calif., assignor to Hunt Process Company, Los Angeles, Calif., a partnership composed of Carll W. Hunt and Percy G. Whitman
No Drawing. Application November 21, 1938, Serial No. 241,669
7 Claims. (Cl. 25—154)

1. In a method of curing cementitious bodies, the steps of: spraying onto the surface of a cementitious body, an aqueous substantially liquid suspension containing from about 8% to 30% by weight of finely divided diatomaceous earth and from 2% to 10% of starch, to form an adhering coating; and then applying a sealing medium to the surface of said coating, said sealing medium being adapted to form a film resistant to weathering and passage of moisture therethrough.

2,240,779
GRAIN SEPARATOR
Marion J. Hunt, Peoria, and James Moore, Urbana, Ill., assignors to Wood Brothers Thresher Company, Des Moines, Iowa, a corporation of Iowa
Application April 29, 1939, Serial No. 270,762
1 Claim. (Cl. 209—318)



In a grain separator, the combination of a cylindrical fan housing of a length substantially greater than its diameter and having air inlet openings at its ends and an air conducting chute leading from the housing and having its width substantially greater than its vertical dimension, grain separating sieves having a width substantially equal to that of the said chute, and means for equalizing the blast of air from the fan as applied to the sieves whereby the flow of air upwardly through the longitudinal central portion of the sieves will be substantially the same as that flowing upwardly through the sides of the sieves, said means comprising an air equalizing plate pivoted at the interior of the chute with the pivoted edge close to the under surface of the top of the chute and extended downwardly and toward the fan housing and having its ends adjacent the side walls of the chute to prevent the flow of air around the ends of the plate, the free edge of the plate being normally in position adjacent the vertical central portion of the chute to thereby prevent the flow of air through the upper portion of the chute, and means for adjustably securing the plate in various positions to thereby prevent the flow of air through the major portion of the chute or any less portion thereof, and whereby air currents at the sides of the chute are directed to the central portion thereof and the flow of air to the sieves be substantially equalized throughout the sieve area.

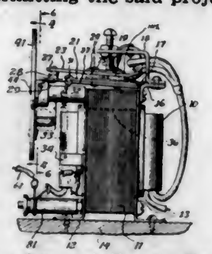
2,240,780
FLAT GROOVE VALVE BODY AND PACKING MEANS THEREFOR
William H. Hunter, Findlay, Ohio, assignor to W. H. Hunter Engineering Co., a corporation of Michigan
Application January 5, 1939, Serial No. 249,497
2 Claims. (Cl. 103—225)



1. A pump plunger comprising an imperforate plunger body having a plurality of spaced annular shoulders forming grooves therebetween, said shoulders having flat top surfaces and inwardly and downwardly inclined undersides, expansible packing rings, mounted in said grooves, having flat bottom edges normally resting on the upper sides of said shoulders, said packing rings each being formed of split sections each in a single part extending approximately 360°, the spaces of the rings being of greater diameter than the portions of the body surrounded thereby whereby the inner sides of the rings are normally spaced from the bases of the grooves, the outer portions of the rings extending beyond the periphery of the shoulders, the top edges of the rings being inclined inwardly and downwardly and normally spaced from the undersides of the shoulders to form annular passages to the space behind the rings, for a liquid being pumped, whereby the liquid will expand the rings on the upstroke of the piston, the outer portions of the bottom edges of the rings forming abutments for the liquid, during the downward movement of the piston, to raise the rings to admit the liquid therebeneath to the grooves for flushing sand and sediment therefrom, and the inclined top edges of the rings having a multiplicity of substantially radial grooves forming outlet ports for the liquid when the rings are in a raised position.

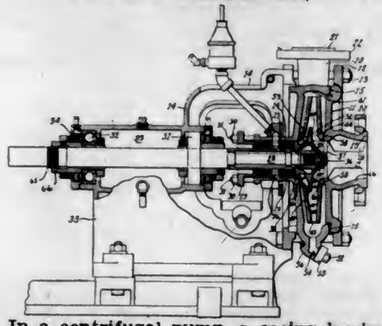
2,240,781
CONTROL MECHANISM
Clifford E. Ives, Chicago, Ill.
Application April 23, 1938, Serial No. 203,834
16 Claims. (Cl. 172—126)

1. In an interrupter mechanism of the character described, an electromagnet, an armature associated therewith, a rotatable member, a projection on said member, and means associated therewith to produce a condition of unbalance and cause the said member to come to a stop with its said projection against one side of said armature, means for energizing said electromagnet when the said projection so engages the armature whereby to actuate the armature and rotate the said member including contact means carried by the armature and closed upon engagement of the projection with the armature, and means for permitting the said projection to pass



the armature when rotating in the direction in which it is driven through energization of said electromagnet.

2,240,782
HYDRAULIC PUMP WITH LEAK-PREVENTING CONSTRUCTION
Oystein Jacobsen, Montgomery County, Ohio, assignor to The Duriron Company, Inc., Dayton, Ohio, a corporation of New York
Application April 17, 1939, Serial No. 268,157
2 Claims. (Cl. 103—103)

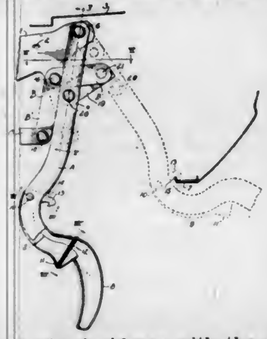


1. In a centrifugal pump, a casing having an intake chamber at one end and a cylindrical extension at the other end, an impeller adapted to rotate within the casing, said impeller having a hub from which the impeller blades radiate, a shaft contained within the casing extension and secured to said hub, and packing material between the shaft and said extension, said hub terminating in a portion of limited width and greater diameter than the main portion of the hub, said main hub portion of smaller diameter extending from said enlarged portion toward said blades, whereby a sump is provided, the blades of said impeller having two sets of pumping surfaces at their inner ends, one set being positioned adjacent the intake chamber to pump fluid from said chamber toward the periphery of the impeller and the other set being positioned adjacent said sump in order to pump fluid which collects in the sump toward the periphery of the impeller, whereby leakage of fluid toward the packing material is prevented.

2,240,783
TOGGLE BRAKE LEVER
Herbert S. Jandus, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application March 4, 1939, Serial No. 259,870
13 Claims. (Cl. 74—520)

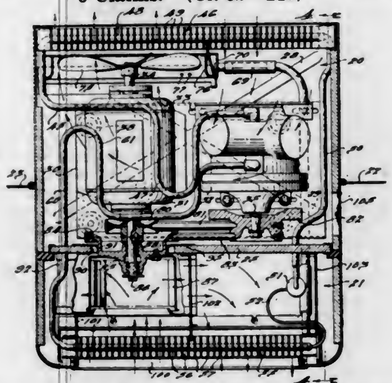
1. The combination with a stationary member,

of a reciprocatory tension member, an actuating member pivoted to said stationary member and engaging said reciprocatory member, an operating member pivoted to said stationary member to swing, a link connection between said actuating member and said operating member for rocking said actuating member to shift said reciprocatory member against tension exerted thereby, said link and actuating member being connected as a toggle with the center line of the link movable



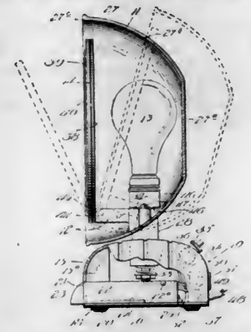
into and out of coincidence with the center line of the operating member, tension exerted by said reciprocatory member normally urging said link away from coincidence with the center line of the operating member, said link when in coincidence with said operating member acting against said actuating member in approximately right angular relationship to hold said members in stable set position and to normalize the tension exerted by said reciprocating member.

2,240,784
AIR CONDITIONING UNIT
Bernard W. Jewell, Dayton, Ohio, assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application November 13, 1939, Serial No. 303,969
6 Claims. (Cl. 62—140)



3. An air conditioning unit comprising a partition dividing the unit into a first compartment and a second compartment, a motor, a compressor and a refrigerant condenser in said first compartment, an evaporator in said second compartment, said compressor, condenser and evaporator being connected in refrigerant flow relationship, said motor having its shaft so oriented as to be substantially normal to said partition, a driving pulley fixed to an end of said shaft adjacent said partition and through which the extremity of said shaft projects, a double sheave pulley drivingly fixed to said compressor, belt means connecting said driving pulley and said double sheave pulley, a driven pulley journaled on the extremity of said shaft adjacent said driving pulley, said partition being provided with an opening through which a hub portion of said driven pulley projects into said second compartment, an evaporator blower fixed to said hub portion, and other belt means connecting said driven pulley and said double sheave pulley for rotating said evaporator blower at a different speed than that of the shaft.

2,240,785
ILLUMINATED MIRROR
Herbert C. Johnson, Wilmette, Ill.
Application February 4, 1938, Serial No. 188,622
2 Claims. (Cl. 240—4.2)

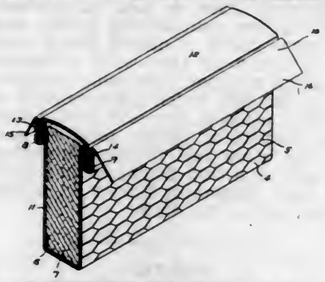


1. An illuminated mirror device comprising a base, a reflector unit carried by said base including a reflector, a lamp in front of the reflecting surface of said reflector and a mirror in front of said lamp and having its back portion facing said lamp, a support unit detachably secured to said reflector unit and supporting both said mirror and lamp relative to said reflector, and means for adjustably mounting said reflector unit upon said base for movement thereof backwardly and forwardly including a non-circular member integral with and depending from said reflector, means forming a complementally shaped socket in said base, a hinge member detachably secured in said socket, and a hinge connection between said reflector-carried member and said hinge member disposed wholly within said base and concealed thereby.

2,240,786
EXPANSION JOINT FOR SECTIONAL CONCRETE PAVING AND SIMILAR STRUCTURES
William W. Kinzer, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application January 3, 1939, Serial No. 248,999
4 Claims. (Cl. 94—18)

1. A preformed expansion joint adapted for use in sectional concrete paving or similar structures comprising a trough-shaped sheath member adapted to receive a preformed filler and having troughs extending longitudinally along its upper extremities, a resilient compressible filler seated in said sheath, and a sealing strip disposed in spaced relationship to said filler, said strip terminating in downwardly directed edge portions adapted to be embedded in ad-

jacent concrete sections and having spaced longitudinally extending ribs on its under surface



fitting within the troughs of said sheath and being held therein.

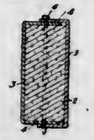
2,240,787

EXPANSION JOINT FOR SECTIONAL PAVING

William W. Kinzer, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application January 30, 1939, Serial No. 253,515

8 Claims. (Cl. 94—18)



5. A preformed expansion joint adapted for use in sectional concrete paving or similar structures comprising a preformed resilient filler strip, separate wall members adapted to form a casing enclosing said strip and holding it under compression, each wall member terminating in inwardly extending flanges positioned in overlapping relationship with similar flanges of the opposite wall member, and temporary means engaging said flanges to secure the wall members to one another to form a casing enclosing said strip and maintaining it in compressed condition.

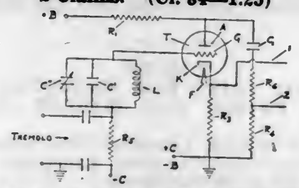
2,240,788

ELECTRIC OSCILLATION GENERATOR

Winston E. Kock, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio

Application March 17, 1938, Serial No. 196,485

2 Claims. (Cl. 84—1.25)



1. A glow-discharge oscillator arrangement comprising a gas-filled tube having an anode, a cathode and a grid, an anode-to-cathode feed circuit including a resistance and a source of positive potential, and an anode-to-cathode discharge circuit including a capacity, whereby oscillations occur at an audio frequency approximately that at which it is desired to stabilize said oscillator, a grid-to-cathode circuit including a tuned electrical couple resonant at the stabilized frequency desired, said couple having a damping value, sufficiently low to be affected by discharges occurring in said tube as to reflect into said oscillator impulses of sufficient strength at said desired frequency to stabilize said oscillator thereat, but sufficiently high to permit the frequency of said oscillator to be varied about said desired frequency by an amount suitable for musical tremolo purposes upon application of sufficient voltage in said grid-to-cathode circuit, and a source of sub-audio frequency voltage located in said grid-to-cathode circuit, of a frequency expedient for said tremolo purposes and of said sufficient voltage.

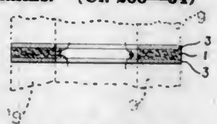
2,240,789

SHEET PACKING AND GASKET

Robert L. Kreuz, Detroit, Mich., assignor to Wolverine Fabricating & Manufacturing Company, Inc., a corporation of Michigan

Application February 23, 1939, Serial No. 257,935

4 Claims. (Cl. 288—34)



1. A packing and gasket sheet material comprising, a base sheet of a chemically vulcanized fiber, said sheet being substantially incompressible and being resistant to deterioration by oil or the like fluids, and a relatively thin coating of a compressible sealing material applied on both faces of said sheet, said sealing material being resistant to deterioration by oil or the like fluids.

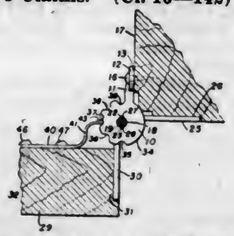
2,240,790

HINGE STOP ATTACHMENT

Agnes Kuney, La Grange, Ill.

Application February 11, 1939, Serial No. 255,845

3 Claims. (Cl. 16—142)



2. In a door stop hinge attachment, the combination with door swinging hinge plates in complemental connected association by a pintle extending therethrough, of a stop member having an opening therethrough to receive said pintle to effect the support of said stop member in operative axial association with said hinge plates, means for maintaining said stop member against movement with the door that is carried by said hinge plates, means for detachable association with said door stop in a variety of radial positions thereon, and means mounted to said door in the path of said stop member for cooperative action with said last named means to limit the swinging of one hinge plate relative to the other hinge plate.

2,240,791

APPARATUS FOR DISPENSING CARBONATED BEVERAGES

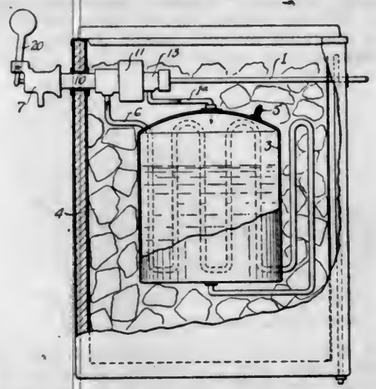
Harry F. Leeseberg, Cleveland, Ohio

Application July 16, 1940, Serial No. 345,751

5 Claims. (Cl. 225—24)

1. In an apparatus of the class described in

which a liquid under high pressure is supplied to a discharge faucet through a pressure reducing medium, two valves seating in the direction of liquid flow, one between the supply source and pressure reducing medium and one between said



medium and the faucet outlet, and means operable to open both said valves and having a lost motion connection causing a predetermined opening of said latter valve in advance of an opening of the other valve.

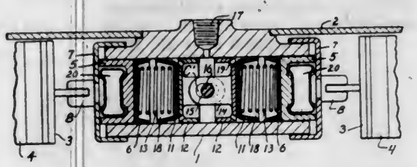
2,240,792

SELF-ADJUSTING BRAKE

Oscar P. Liebreich, Elmhurst, N. Y.

Application May 16, 1936, Serial No. 80,058

17 Claims. (Cl. 188—152)



1. A friction brake comprising a brake drum, a brake shoe movable toward and from said drum, means for actuating said shoe into frictional engagement with said drum, and combined automatic fluid means and automatic thermostatic means, the latter responsive to the heat generated by friction between the shoe and drum, and being directly associated and aligned with said shoe actuating means, said combined means serving for limiting the movement of said shoe away from the drum to maintain a constant predetermined free clearance between shoe and drum to compensate for wearing away of the friction elements of the brake and for maintaining them at a desired relation when such relation becomes altered through frictional heat.

2,240,793

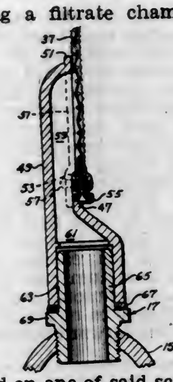
SEPARABLE FILTER SCREEN

Harvey E. Marvel, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana

Application July 13, 1938, Serial No. 218,994

4 Claims. (Cl. 210—195)

1. In a filtering element, a plurality of screens adapted to be joined in flat, superposed relation to each other and having means forming a liquid tight joint between them at their edges, said screens forming a filtrate chamber, an outlet



means mounted on one of said screens and communicating with the filtrate chamber.

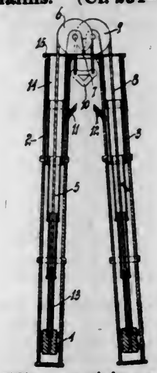
2,240,794

DRILLING LIFT

John Conley Mason, Long Beach, Calif.

Application March 11, 1940, Serial No. 323,311

6 Claims. (Cl. 254—189)



1. A drilling lift comprising a pair of hydraulic cylinders, adapted and arranged to be attached to legs of an oil well derrick, a piston in each of the cylinders, a cable attached to each of the pistons, a shive over which each cable extends, and a coupling member, said cables being each attached to the coupling member, and packing means for the cable whereby fluid is prevented from leaking out of said cylinders as the cables move into and out of said cylinders.

2,240,795

DRILLING MACHINE

John S. Morgan, Jr., Los Angeles, and Frank L. Gillett, Inglewood, Calif., assignors to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application January 21, 1938, Serial No. 186,122

4 Claims. (Cl. 77—33)



1. In a device for controlling the feed of a drill tool, having a stationary base, a carriage slidably mounted thereon, and a drill tool mounted on said carriage, the combination of a nut

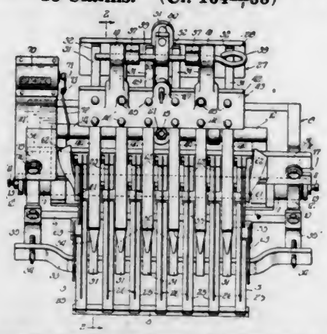
rotatably supported on said carriage and held against longitudinal movement relative thereto, a screw rotatably supported on said base and adapted to cooperate with said nut, drive means supported on said carriage and adapted to rotate the nut upon the screw to advance the carriage relative to said base, auxiliary drive means on said base operatively associated with said feed screw, a control switch for said auxiliary drive means, thrust measuring means associated with said feed screw adapted to measure the thrust reaction imparted by said feed nut, said thrust measuring means being adapted to actuate said control switch upon the reaction thrust reaching a predetermined maximum, such actuation of the control switch acting automatically to cause the auxiliary drive means to rotate the screw within the nut to stop the forward advance of the carriage.

2,240,796

BAND TRIMMING OR CUTTING MACHINE

Halvard F. Nygard, Madison, Wis., assignor to The Celon Company, Madison, Wis., a corporation of Wisconsin

Application June 19, 1939, Serial No. 279,808
13 Claims. (Cl. 164—38)



1. A machine for cutting a plurality of predetermined lengths from a length of material at a single operation and comprising a support upon which the length of material is supported, a plurality of spaced apart knives for cutting the length of material into a plurality of predetermined cut lengths at a single operation, a material supporting rack to support the cut lengths in spaced relationship, there being relative movement between the knives and the rack to cut the material into said plurality of predetermined lengths, means for maintaining the cut lengths of material in a plurality of stacked piles.

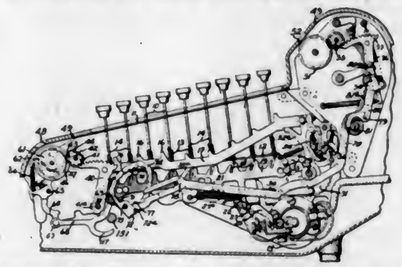
2,240,797

CALCULATING MACHINE

Walter J. Pasinski, Howell, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan

Application October 30, 1935, Serial No. 47,368
4 Claims. (Cl. 235—62)

1. An amount-key-responsive calculator of the class disclosed having a keyboard provided with a plurality of depressible amount keys, a plural order amount differential mechanism, a normally inactive motor driving means for said differential mechanism, an item-receiving registering mechanism at the front of said keyboard, means responsive to the depression of each amount key for starting said motor driving means and causing it to operate the differential mechanism in the order of said key to immediately enter the corresponding digit additively in said item-receiving registering mechanism and to then stop, a "balance" registering mechanism at the rear of said keyboard, mechanical subtraction means extending from front to rear of said machine operable to subtract the amount in said item-receiving from said "balance" registering mechanism, driving connections for said subtraction means operable by said motor driving means, and manipulative means for starting said motor



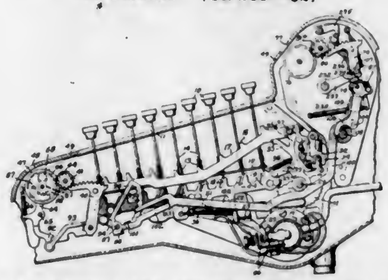
driving means and for conditioning said subtraction means and its driving connections to cause said subtraction means to be operated by said motor driving means through a special cycle independently of said amount differential mechanism, whereby, after an item has been entered on said amount keys, it will be subtracted from said "balance" registering mechanism immediately upon a manipulation of said manipulative means.

2,240,798

CALCULATING MACHINE

Walter J. Pasinski, Howell, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan

Application October 21, 1933, Serial No. 694,550
Renewed May 13, 1938
10 Claims. (Cl. 235—62)



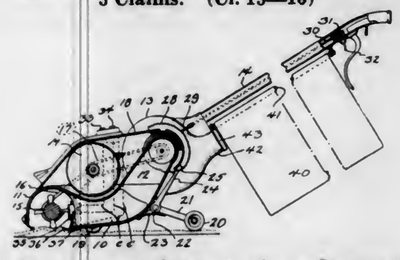
1. An amount-key-responsive calculator of the class described having amount keys and a key-responsive differential mechanism for entering items in an item-receiving register, a total-storing register operable to accumulate a plurality of totals, means for transferring totals from the item-receiving to the total-storing register, clearing mechanism for said registers, a motor drive for said clearing mechanism, and control means for said motor drive and said clearing mechanism including two manipulatable members, said control means, upon being conditioned by one of said manipulatable members, operating to cause said motor drive to operate the clearing mechanism to clear the item-receiving register and, upon being conditioned by said other manipulatable member, operating to cause said motor drive to operate the clearing mechanism to clear both registers simultaneously.

2,240,799

VACUUM CLEANER

Frederick Riebel, Jr., Toledo, Ohio, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware

Application June 8, 1936, Serial No. 84,085
5 Claims. (Cl. 15—16)



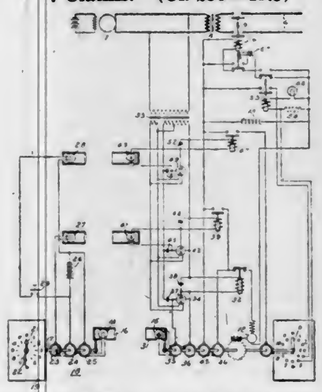
1. In a vacuum cleaner having a floor tool and including a nozzle; means to vertically adjust said nozzle comprising a pair of trunnions mounted on said floor tool, a fan and a fan case rotatably supported by said trunnions, their common axis of rotation disposed horizontally, a suction chamber in said floor tool to which the chamber of the fan case is interiorly joined by said trunnions, a handle rigidly attached to the fan case, a vertically adjustable wheeled carriage supporting said floor tool and fan chamber, a control member supported on one of said trunnions and disposed adjacent the fan case and which is selectively rotatable with, or relatively of the fan case, means connecting said control member with said wheeled carriage to transmit movement from one to the other, said control member having a portion arranged circumferentially of one of said trunnions, means extending longitudinally of said handle and adapted to operatively engage said control member, said control member adapted to vary the vertical position of the carriage and simultaneously vertically adjust said nozzle when said handle and said fan case are rotated while said means extending longitudinally of the handle is in engagement with said control member.

2,240,800

REMOTE CONTROL SYSTEM

Max Rigert, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application June 10, 1939, Serial No. 278,575
7 Claims. (Cl. 250—41.5)



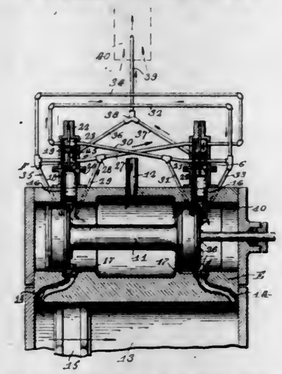
6. A control system comprising a pair of members each movable from a rest position into a plurality of operating positions, a light source, a light sensitive device so arranged as to be illuminated by said source only when said members are in corresponding operating positions, a motor for actuating one of said members, means responsive to actuation of the other one of said members out of said rest position thereof to start said motor and to render said source operative, and means responsive to illumination of said light sensitive device by said source for stopping said motor.

2,240,801

BACK PRESSURE RELIEF APPARATUS

Ovide Roy, Montreal, Quebec, Canada

Application July 16, 1940, Serial No. 345,808
2 Claims. (Cl. 121—135)



1. In combination with a steam engine having a slide valve in a steam chest and exhaust ports on said chest, auxiliary relief valves controlling the flow of fluid through said exhaust ports, means for actuating said valves, secondary steam inlet and exhaust ports adapted to be covered and uncovered through the action of the slide valve, and piping means between said relief valves and secondary ports and valve-actuating means whereby the valves will be operated in proper sequence according to the movements of the slide valve to admit and exhaust steam to the engine proper and exhaust steam from the steam chest after the exhaust ports are closed by the slide valve.

2,240,802

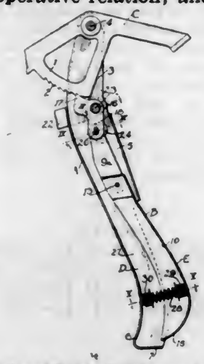
BRAKE LEVER CONSTRUCTION

Ray A. Sandberg and Charles R. Duncan, Waukegan, Ill., assignors, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application January 23, 1937, Serial No. 121,942
4 Claims. (Cl. 74—537)

1. Lever construction including a lever member comprising a stamping forming a hollow shank portion, a channel shaped grip portion at one end and spaced legs at the other end for pivotal connection to and astraddle a support; a pawl pivoted within said shank portion; a one piece pawl release member extending substantially coincident with a major portion of the lever member and having pivotal connection with the lever member and having a channel shaped grip portion working within the channel shaped grip portion of the lever member; said pawl being provided with an elongated slot; a pin carried by said pawl release member and engaging said slot

to pivotally connect said pawl and pawl release member in operative relation; and spring means



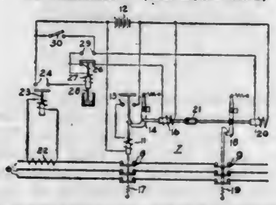
acting against said pawl release member to normally maintain it in one position and the pawl in latched engagement with a ratchet.

2,240,803

CIRCUIT BREAKER CONTROL SYSTEM

Max Schiesser, Baden, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland

Application June 27, 1938, Serial No. 215,968
In Germany July 31, 1937
10 Claims. (Cl. 175—294)



1. In combination, an electric circuit, a circuit breaker comprising cooperating arcing contacts and cooperating disconnecting contacts serially connected with said arcing contacts in said circuit, means comprising a solenoid operable responsive to an operating condition of said circuit for causing opening of said arcing contacts without affecting said disconnecting contacts, means providing for reclosing of said arcing contacts following opening of said arcing contacts, means comprising a second solenoid momentarily operable responsive to the said operating condition after reclosure of said arcing contacts for causing opening of all said contacts and means comprising a lost motion connection between said solenoids whereby actuation of said second solenoid actuates said first solenoid.

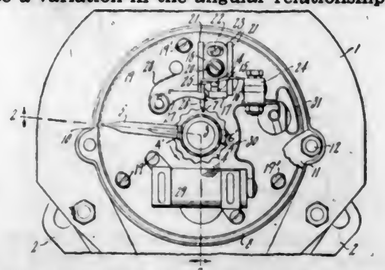
2,240,804

INDICATING MECHANISM FOR IGNITION INTERRUPTERS

Wolfgang E. Schwarzmann, Longmeadow, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York

Application May 28, 1940, Serial No. 337,659
5 Claims. (Cl. 200—19)

1. In combination with an ignition generator having a rotor, a normally stationary structure associated with said rotor, and circuit interrupting mechanism comprising cooperative contacts constituting one element thereof and a cam for intermittently separating them constituting the other element thereof, one of said elements being carried by said rotor and the other being normally stationary, of indicating mechanism permanently associated with said rotor for indicating at rest at a predetermined extent of separation of said contacts by said cam the presence and extent of the wear of parts of said interrupting mechanism, solely and directly, such as would cause a variation in the angular relationship be-



tween said rotor and said structure, said indicating mechanism comprising a pointer member and an index member of which one member is fastened to the rotor carrying the rotatable element of the interrupting mechanism and of which the other member is permanently associated with said structure in proximate registrable relation with the first member.

2,240,805

COMPOSITE ARTICLE AND METHOD OF MAKING SAME

Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application October 20, 1936, Serial No. 106,567
18 Claims. (Cl. 154—2)

1. The method of making a composite article which comprises adhesively vulcanizing rubber to a metallic cobalt surface by means of heat and pressure.

2,240,806

STABILIZATION OF METAL SOAP SOLUTIONS IN OIL

Thomas E. Sharp, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application June 7, 1939, Serial No. 277,905
6 Claims. (Cl. 167—28)

5. The method of preventing soap separation from soluble oils containing an oil soluble polyvalent metal soap and an ester of the class consisting of glycol and glyceryl esters of high molecular weight organic acids said ester containing insufficient amounts of the acid constituent to be completely esterified, which method comprises adding to a solution of said soap and said ester in said oil about .05 to .1% of a substituted phenol of the class consisting of beta naphthol, an alkyl beta naphthol, guaiacol and a lower alkyl catechol.

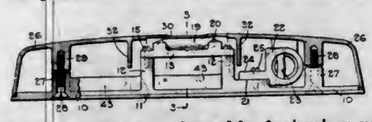
2,240,807

SPIRIT AND LIKE LEVELS

Henry Shaw, Birmingham, England, assignor to The Midland Saw & Tool Company Limited, Birmingham, England

Application September 16, 1939, Serial No. 295,336
In Great Britain September 26, 1938
3 Claims. (Cl. 33—211)

1. A spirit or like level including a base member formed as a die casting, said base member comprising a substantially flat plate, the under surface of which is finished flat for direct application to the surface to be tested, bosses cast integral with and projecting upwardly from the upper surface of said plate, seatings on the tops of said bosses, a tube carrier, a level tube, seatings on said tube carrier, means for setting said level tube in said tube carrier in a definite level position relative to the seatings on the carrier, said latter seatings fitting directly and firmly on the seatings on said plate to mount the level tube in parallel relation to the under surface



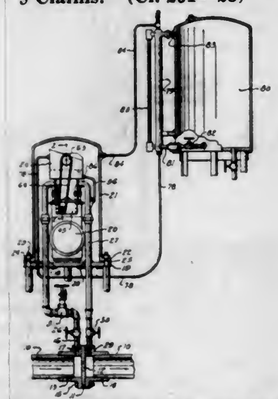
of the base member, releasable fastening means for securing said tube carrier rigidly to said base member to enable replacement of the level tube without re-setting of the level, a hollow elongated dome-like cover formed as a die casting extending completely over the upper surface of said plate, the edge of the open underside of the cover seating upon and conforming to the shape of the peripheral edge of the base plate, said cover having in its top an opening giving a sight of the level tube, but otherwise completely covering and enclosing the level tube and its carrier and releasable fastening means for securing said cover to said base member.

2,240,808

MEANS FOR INTRODUCING LIQUID INTO FLOWING FLUIDS

Donald A. Sillers, Dallas, and Alexander Clarke, Coleman, Tex.; said Clarke assignor to said Sillers

Application June 28, 1939, Serial No. 281,696
9 Claims. (Cl. 261—28)



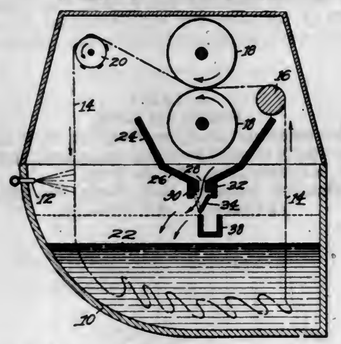
1. An apparatus for introducing liquid into a flowing gas stream including, a main flow line through which the gas stream is conducted, a restriction in said line for setting up a pressure differential in the line, such differential being across the restriction, a by-pass conductor for by-passing a portion of the gas around the restriction in the main flow line, a variable restriction in the by-pass conductor whereby a pressure differential proportional to the differential in the main line is set up in said conductor, a liquid pump having communication with the main line for introducing a liquid into the flowing gas stream, and means for utilizing the by-passing gas to actuate the liquid pump, whereby the quantity of liquid introduced is proportional to the volume of gas flowing through the line.

2,240,809

SUDS BOX

Warren J. Simonds, Orange, Mass., assignor to Rodney Hunt Machine Company, Orange, Mass., a corporation of Massachusetts

Application June 22, 1939, Serial No. 280,435
3 Claims. (Cl. 68—208)



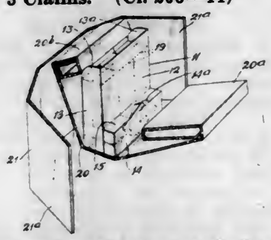
1. In a device of the class described, a tub, a washing device therein, an open topped suds box in the tub and located below the washing device, a drainage orifice in the bottom of the suds box, an open topped skimmer box wholly in the tub and located below the orifice, said skimmer box having a generally upstanding wall located directly below the area of the orifice, a baffle pivoted in the tub just above said wall, said baffle having an end portion extending adjacent said orifice, said baffle being selectively movable so that said end portion may be located closely adjacent either side of the orifice, and stop means to locate said baffle in its positions, whereby it is selectively inclined and fluid from the suds box may be selectively directed to the skimmer box or to the tub.

2,240,810

MERCHANDISE SHIPPING AND DISPLAY PACKAGE

Nicholas Snelling, Jackson Heights, N. Y., assignor to The National Process Company, New York, N. Y., a corporation of New York

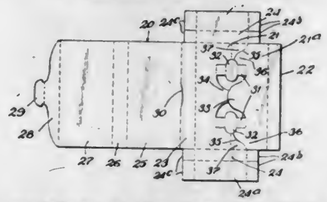
Application July 21, 1937, Serial No. 154,714
3 Claims. (Cl. 206—44)



1. A merchandise shipping and display container comprising a unitary blank of sheet material die cut and scored to form foldably related wall parts, predetermined wall parts being adapted, in the assembled position of said container, to form integral bottom, front, and front platform portions of said container, said plat-

form being horizontal and extending rearwardly from the top edge of the front wall, a supplemental front wall integral with the rear edge of said front platform and extending in permanent perpendicular position above said platform at a point intermediate the front wall and the rear of said container, side wall members integral with said supplemental front wall and extending to the bottom of said container, other foldable wall parts forming means for supporting and securing said container in the assembled position, and said container being adapted for the packing of merchandise throughout the entire volume thereof below said front platform as well as between the supplemental front wall and side walls extending above said platform.

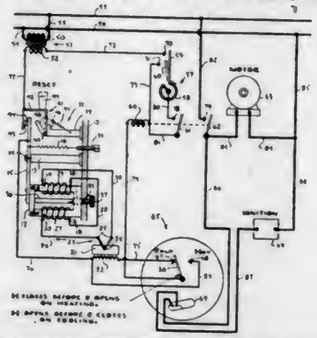
2,240,811
FOLDING BOX
Nicholas Snelling, Jackson Heights, N. Y., assignor to The National Process Company, New York, N. Y., a corporation of New York
Application April 27, 1938, Serial No. 204,510
13 Claims. (Cl. 206—65)



1. A container of the class described consisting of foldably related top, bottom and other wall parts formed from a single blank of sheet material, at least one of the wall parts of said container being cut through opposed outer edges of said wall part to form collapsibly related members, adjacent cut portions of which are adapted to overlap when said members are collapsed, said members being united by a coupling band intermediate the edges of said wall part and adapted to protrude into the container to form an article supporting loop arranged on one surface of said members and in which an article of merchandise is adapted to be supported, said collapsed members forming, of said wall part, a wall of the container corresponding in dimensions to another opposed wall part thereof, and at least one of said members including integral foldable end and side wall parts forming the side walls of the resulting container.

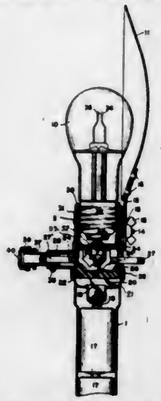
2,240,812
SAFETY SWITCH
Hubert T. Sparrow, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 8, 1938, Serial No. 218,140
7 Claims. (Cl. 175—375)

1. In a device of the character described comprising in combination, a pivoted lever, a movable contact mounted on said lever, a stationary contact positioned for cooperation therewith, a spring tending to rotate said lever in a direction to open said contacts, a normally unmagnetized core, a permanent magnet carried by said lever and lying adjacent said core to hold said contacts in closed position against the action of said spring, a thermocouple having a hot junction and a cold junction, lagging for said said hot junction, an electrical conductor in circuit with said thermocouple and wound around said core, and a heater for said hot junction, said cold junction responding to ambient temperature, said thermocouple producing a current flow through said winding which will reduce the effect



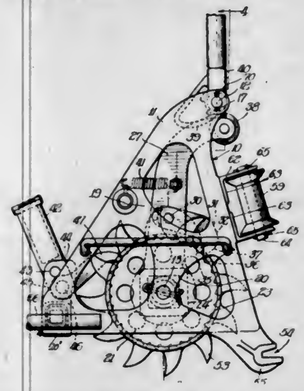
of said permanent magnet to a point where said spring can open the contacts when the heater has raised the temperature of said hot junction to a predetermined degree.

2,240,813
PHOTOGRAPHIC LIGHT-SYNCHRONIZING MECHANISM
William A. Steenbergen, Spokane, Wash.
Application March 31, 1939, Serial No. 265,211
1 Claim. (Cl. 67—29)



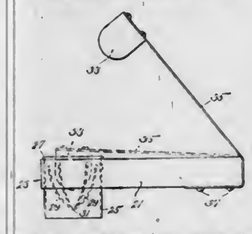
In a photographic flashlight device wherein a battery casing having batteries therein is associated with a bulb socket supporting a flash bulb; the combination of an encased push-through switch mechanism electrically in circuit associated with said battery casing and batteries and said bulb socket and a flash bulb therein and operable to close the normally open circuit to thereby light said flash bulb, said push-through switch mechanism having a pair of diametrically protruding push-buttons one of which when manually pressed operates the switch mechanism to close the electrical circuit and simultaneously causes the other push-button to protrude a greater distance from the enclosing casing than when the switch is open, a collar on the switch casing and encircling the push-button thereof which is caused to protrude a greater distance upon the closing of the switch, a bushing engaged in said collar and having a length sufficient to receive the plunger rod of the shutter release cable and also to form a seat on its outer end for the flanged cable ferrule of said mechanism, and a cap on the outer end of said bushing and having an opening for the reception of the shank of the cable ferrule of a cable shutter release mechanism to thereby position and retain the ferrule in its seat on said bushing and to position the spring urged plunger button of the shutter release mechanism so that the greater protrusion of the adjacent push-button will depress the said plunger button.

2,240,814
TIE PULLER
Russell C. Taylor, Chicago, Ill., assignor to James D. Roberts, trustee, Portland, Oreg.
Application November 24, 1939, Serial No. 305,830
20 Claims. (Cl. 254—43)



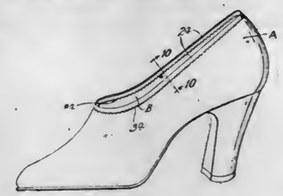
1. A tie puller comprising a frame, a shaft mounted in the frame, toothed wheels having hubs and removably mounted on said shaft, a ratchet wheel removably mounted on the hubs of said wheels and in driving engagement therewith, and means for rotating said ratchet wheel.

2,240,815
FOOD SLICER
Christy R. Theodore, Brookline, Mass.
Application November 10, 1938, Serial No. 239,813
7 Claims. (Cl. 146—2)



1. A slicer for articles of globular and ovoid shapes comprising a support having a tube through which the article to be sliced is pushed, and a plurality of cutting wires disposed within the tube in planes intersecting along the line of the axis of such tube, the cutting wires converging toward each other in the direction away from the support and conforming to the contour of the article being cut, so as to support the article against distortion and rupture under the pressure needed to effect the cutting and also to center the article on such axis.

2,240,816
SHOE
Charles Tweedie, Jefferson City, Mo.
Application November 7, 1938, Serial No. 239,222
3 Claims. (Cl. 36—51)

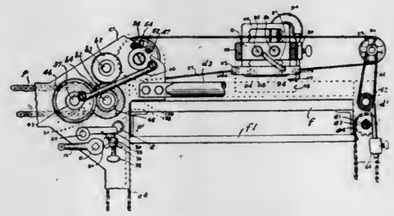


1. In a shoe of the pump type, an upper having a foot opening therein bounded by side, heel, and front edges, said upper adjacent said opening being composed of a prefabricated stretchable material including a relatively inelastic outer layer united to an elastic backing layer, and a separate narrow strip of elastic webbing seated and attached in edgewise abutting relationship upon the side and front edges of said upper and united in the heel portion of said opening to form an elastic binding for holding said upper snugly upon the foot of a wearer of the shoe.

2,240,817
PRODUCTION OF HIGH PURITY MAGNESIUM
Fritz Hansgirg, San Mateo, Calif., assignor to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application August 31, 1940, Serial No. 355,087. In Japan June 17, 1937
10 Claims. (Cl. 75—67)

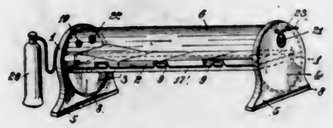
1. That method of making metallic magnesium of high purity from impure magnesium which comprises heating said impure magnesium in a closed gas-tight container in the presence of a gas reactive with metallic magnesium and thereby producing vacuum in said container, and while maintaining said vacuum continuing to supply heat and thereby vaporize magnesium, and then condensing said vapor to form metallic magnesium of high purity.

2,240,818
SHEET-FEEDING MECHANISM
Bruce Wale, Berkeley, Calif.
Application August 2, 1939, Serial No. 287,881
20 Claims. (Cl. 271—26)



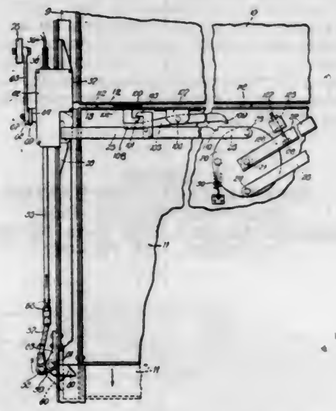
1. In sheet feeding mechanism for printing presses and the like, the combination of means for supporting a stack of sheets, vertically movable suction-means for successively lifting the sheets vertically from the stack, and intermittent means for successively advancing the sheets horizontally beyond the suction-means, said intermittent means comprising a part movable vertically with the suction-means.

2,240,819
APPARATUS FOR MEDICAL TREATMENT
Abdalla Waly, Berlin-Waidmannslust, Germany; Hugo Banneitz, Berlin, Germany, administrator of said Abdalla Waly, deceased
Application September 8, 1934, Serial No. 743,198
In Germany February 10, 1934
2 Claims. (Cl. 128—145)



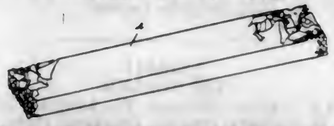
2. In an enclosure for medical treatment, a support for a reclining and prostrate patient, plate-like upright supporting means at opposite ends of said support and connected with said ends, an axially rotatable longitudinally extending semicylindrical casing adapted to cover the patient and extending the full length thereof, said supporting means having circular grooves therein engaged by the ends of said casing and affording axial rotation of said casing with respect to said support, and sealing means disposed on said supporting means adjacent said circular grooves, and on the sides of said support and of said casing in cooperable relation for establishing an air tight enclosure with said casing in closed position.

2,240,820
INTERLOCK FOR ELEVATOR DOORS
John C. Wilmot, Chicago, Ill.
Application May 20, 1937, Serial No. 143,647
6 Claims. (Cl. 187—31)



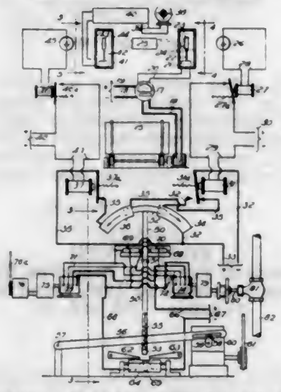
1. In combination, a movable carrier, a drive motor therefor, a circuit for said motor, a closure, latch means for said closure, means for opening said circuit when said latch means is released and for closing said circuit when said latch means is engaged, and means for preventing closing of said circuit when said closure is open and until said closure is moved to closed position, said last means comprising a locking bolt and a pivoted arm underlying the bottom of the closure when said closure is closed, said arm being swingable and connected to actuate said locking bolt vertically by opening movement of said closure.

2,240,821
METHOD OF PRODUCING IRON ANODES
John L. Young, Pittsburgh, Pa., assignor, by mesne assignments, to Plastic Metals, Inc., a corporation of New York
Substituted for abandoned application Serial No. 130,715, March 13, 1937. This application October 22, 1938, Serial No. 236,589
2 Claims. (Cl. 204—280)



1. The method herein described of making an iron anode of labyrinthine structure for an electrolytic cell which consists in compressing to coherence but without loss of open, labyrinthine structure, a mass of discrete bodies of metallic iron having coatings of oxide, and subjecting the compressed article to a gaseous reducing atmosphere at a temperature sufficiently high to reduce said oxide to the metallic state and thereby integrating adjacent bodies within the article.

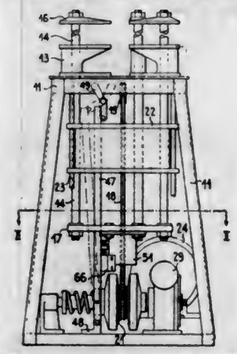
2,240,822
SYSTEM AND METHOD FOR AUTOMATIC FEED CONTROL
James A. Adams, Denver, Colo., assignor to The Mine and Smelter Supply Company, Denver, Colo., a corporation of Colorado
Application October 25, 1937, Serial No. 170,895
12 Claims. (Cl. 83—44)



1. A system of feed control for an electrically driven grinding mill, comprising a source of fluid flow to the mill, a feed-element for the mill, two mechanically opposed solenoid coils, a magnetic movable element positioned to be acted upon by either solenoid coil, an electrically driven mechanism controlling solid and liquid feed to the mill and controlled by movements of the magnetic movable element, a source of electrical energy, a sound-actuated relay-switch controlling the connection of one of the solenoid coils with the source of electrical energy, and a power demand-actuated switch controlling the connection of the other solenoid coil with the source of electrical energy.

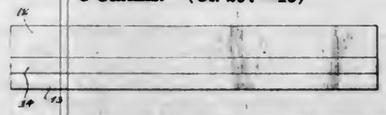
12. In a method for automatically controlling feed to a grinding mill or the like having a variable feed element, the improvement which comprises actuating an electric switch by the sound of the mill, actuating another electric switch by the power demand of the mill, and coordinating the results effected by the operation of the switches so that one modifies the other, and governing the operation of the variable feed element by the resultant effected by the two coordinated switches.

2,240,823
BUNDLING PRESS COMPRESSION CONTROL
Hermann Abele, Zurich, Switzerland
Application July 28, 1938, Serial No. 221,668
2 Claims. (Cl. 100—31)



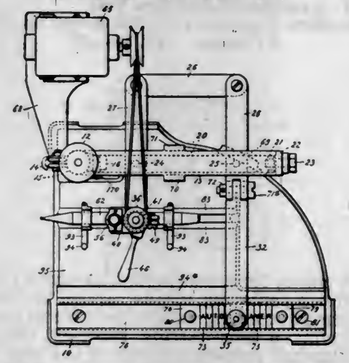
1. In a press for bundling a laminar material, a base, a pressing frame including a crosshead movably mounted on the base to compress the material thereon upon downward movement of the frame, an electric motor mounted in the base, a plurality of sprocket wheels mounted in the base, one of said wheels being connected with said motor for rotation thereby, an endless chain engaging the sprocket wheels, a housing carried by said crosshead, passages in said housing through which said chain passes, a compression spring within said housing, an abutment member carried by said chain and lying in contact with one end of said spring whereby said spring is compressed upon movement of said chain relative to said crosshead, a motor circuit control switch movable with said crosshead, and means interconnecting said abutment and said switch whereby the motor circuit is opened upon the compression of material in said press as to cause relative movement between said crosshead and said chain.

2,240,824
ELECTRICAL RESISTOR OF THERMOFLEX MATERIAL
Clarence F. Alban and Stanley R. Hood, Detroit, Mich., assignors to W. M. Chace Company, Detroit, Mich., a corporation of Michigan
Application December 6, 1937, Serial No. 178,324
8 Claims. (Cl. 297—15)



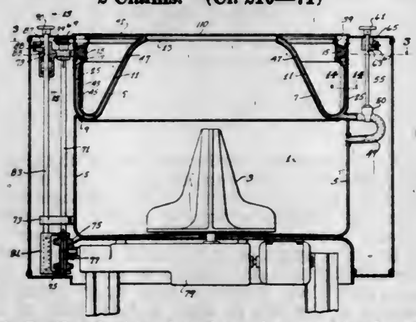
1. An electrical resistor of thermoflex material having a high temperature coefficient of deflection, a predetermined cross section and length and electrical resistance consisting of a plurality of joined metallic laminae including a metallic lamina having a high thermal coefficient of expansion, a metallic lamina having a low thermal coefficient of expansion and at least one metallic lamina having a high electrical conductivity and a cross sectional area correlated with respect to the cross sectional areas and electrical resistances of said above mentioned laminae to obtain said predetermined resistance whereby the deflection rate is maintained substantially the same throughout a wide range of cross sectional areas for said high conducting lamina.

2,240,825
ENGRAVING MACHINE
Morris L. Alexander, New York, N. Y.
Application December 12, 1939, Serial No. 308,799
9 Claims. (Cl. 90—13.1)



1. In an engraving machine, a supporting column, an over arm pivotally mounted on said column and having opposed trunnions below the ends thereof, pantograph mechanism including a balanced cross bar having depending vertical ends pivotally mounted on said trunnions, said bar having thereon spaced pivots, horizontally movable linkage mechanism including a rear connecting link member and having arms journalled on said pivots, said arms having on their respective front ends a tracing device and a cutter head, the latter having a cutter element thereon, and a manipulating member carried by and extending from said head.

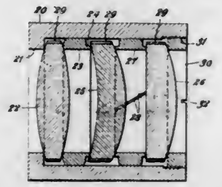
2,240,826
EXTRACTOR
Thomas Armstrong Baker, St. Louis, Mo.
Application August 24, 1936, Serial No. 97,512
2 Claims. (Cl. 210—71)



1. In the drying chamber of a combined washing and drying machine, a reversible annular trough-shaped centrifuge, a track secured to the outer periphery of the centrifuge, a drying chamber, a set of bearings secured to a wall of the drying chamber and cooperating with the under side

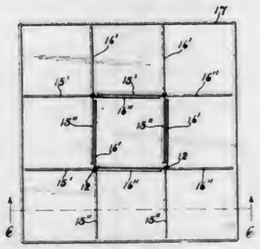
of said track to rotatably support the centrifuge, another set of bearings secured to a wall of the drying chamber and cooperating with the upper side of said track to prevent any vertical movement of the centrifuge and driving means to rotate the centrifuge.

2,240,827
LENS AND LENS MOUNT
Frank A. Bangert, Buffalo, Ralph K. Day, Snyder, and Thomas G. Aitcheson, Kenmore, N. Y., and Lawrence J. Davenport, Long Beach, Calif., assignors to Spencer Lens Company, Buffalo, N. Y., a corporation of New York
Application September 9, 1938, Serial No. 229,158
8 Claims. (Cl. 88—57)



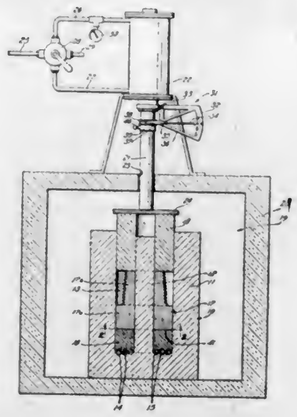
1. A casing for a lens mount having a cylindrical bore; a centering means carried in said bore and formed of a ring axially movable in said bore and having a lens-bearing, circular, contacting edge disposed perpendicularly of the axis of the casing and spaced from said casing; a lens in said casing; retaining means in said casing to hold said ring and lens in substantial contact around the bearing edge of said ring, whereby said lens is optically centered with its axis parallel to the axis of the bore of said casing.

2,240,828
ASSEMBLED PARTITION FOR CARDBOARD BOXES
Nicholas G. Behles, Oak Park, Ill.
Application May 1, 1939, Serial No. 271,103
1 Claim. (Cl. 217—23)



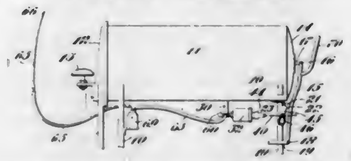
In a rectangular cardboard box, a plurality of partition units, each consisting of a pair of strips of fibrous material which are secured together by a line of stitches extending across the middle thereof, providing four alike wings which are readily bent apart on each stitch line and extend substantially at right angles to each other, said units with their wings so bent apart being positioned in the box to have at least each of two wings of each unit substantially fully overlapped by a wing of an adjacent unit, each pair of overlapped wings being parallel and in face contacting relation, thereby readily producing a selected number of similar sized substantially rectangular cells in the box.

2,240,829
CUTTING TOOL AND METHOD OF MAKING SAME
Arthur J. Bevillard, Anaheim, Calif., assignor, by direct and mesne assignments, to Bevil Corporation, Anaheim, Calif., a corporation of California
Application September 27, 1939, Serial No. 296,785
8 Claims. (Cl. 22—202)



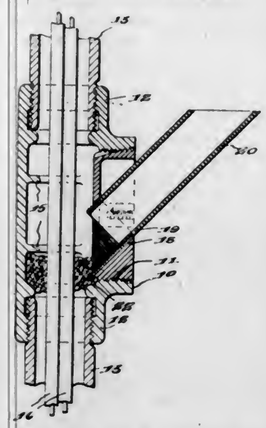
1. The method of making cutting tools that includes, placing hard cutting elements in predetermined positions in contact with matrix metal in a refractory mold, heating said mold, cutting elements and metal to a temperature not greatly in excess of the melting point of the metal, exerting pressure on the metal to cause it to conform to the mold shape and to intimately embrace the cutting elements, maintaining the cutting elements in said positions while heated to the temperature of the metal, and cooling the metal to cause it to bond to said elements.

2,240,830
ARTIFICIAL RESPIRATOR
Kenneth W. Binding, Medford, Mass., assignor to John H. Emerson, Cambridge, Mass.
Application December 26, 1939, Serial No. 311,026
3 Claims. (Cl. 128—30)



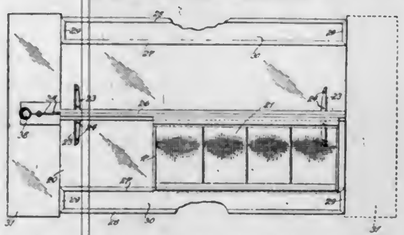
1. Apparatus for producing artificial respiration comprising a substantially air-tight respirator casing to receive the patient's chest, means for producing alternate negative and atmospheric or positive pressures within said respirator casing and a mucous aspirator comprising a tube having an aperture adjacent one end adapted to receive the mucous fluid from the patient's throat and means communicating with the interior of said tube and connected to said respirator pressure alternating means and adapted to produce negative pressure in said aspirator tube only during atmospheric or positive pressure periods in said respirator casing.

2,240,831
SEALING FITTING FOR CONDUIT LINES
Carl H. Bissell, Syracuse, N. Y., assignor to Crouse Hinds Company, Syracuse, N. Y., a corporation of New York
Application January 25, 1940, Serial No. 315,567
5 Claims. (Cl. 285—205)



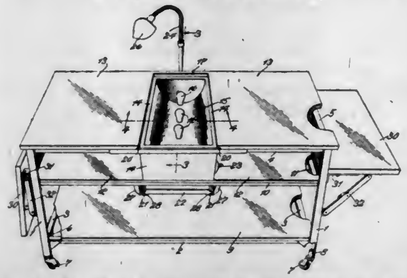
1. A sealing fitting for a conduit line comprising a body formed with an opening in one side thereof and being provided with conduit receiving apertures, a plug arranged in said opening and acting as a closure therefor and being provided with an aperture extending therethrough, a tubular member of readily fracturable material inserted in the aperture of said closure member and extending outwardly at an angle to the axis thereto, said member acting to direct fluid sealing compound through the aperture of the closure member into the body.

2,240,832
EGG RACK
Hilbert C. Brockmeier, Edwardsville, Ill.
Application August 18, 1939, Serial No. 290,753
1 Claim. (Cl. 211—71)



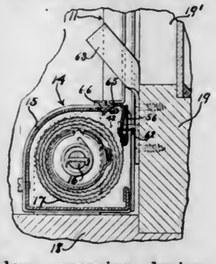
An egg rack of the character described comprising a supporting frame, a top attached to the upper end of said frame, a vertical relatively thin support attached to said top, a relatively wide rail secured to the upper edge of said support, a strip attached to at least one longitudinal edge of said top, and a second strip attached to said top and spaced inwardly from said first strip and cooperating therewith to form a compartment adapted to receive and retain eggs, the inner one of said strips being parallel with said rail and constituting an abutment adapted to engage the lower side edge of an egg tray having its opposite side edge seated on said rail and cooperating with said rail to hold said tray in an inclined position.

2,240,833
EGG TESTER
Hilbert C. Brockmeier, Edwardsville, Ill.
Application August 18, 1939, Serial No. 290,754
5 Claims. (Cl. 88—14.1)



1. A device of the character described comprising a frame, two horizontal table top members attached to the upper end of said frame and having their inner edges separated by a relatively wide space, a reflector attached to said frame below said space, a panel having about the same area as said space slidable into and from said space above said reflector, means for guiding said panel during its movement into said space and holding said panel in a position in said space in which its upper surface is even with the upper surfaces of said top members, lamps secured within said reflector and below said panel when said panel is in position in said space, and means for controlling the lighting of said lamps.

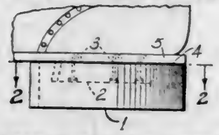
2,240,834
WINDOW SCREENING DEVICE
Werner Dollstedt, Chicago, Ill., and Carl Dollstedt, Gary, Ind.
Original application September 26, 1938, Serial No. 231,730. Divided and this application January 24, 1940, Serial No. 315,308
2 Claims. (Cl. 156—39)



1. A window screening device, adapted for a window frame and sash which are provided with headed elements on the sash and with bracket means on the frame, comprising a screening mechanism arranged to be readily mountable as a unit between the bracket means to hold the entire device in its operative position and to be readily removable therefrom, said mechanism comprising a casing containing therein a spring roller and screen, a double attaching strip clamped upon the outer end of the screen, securing elements to draw the doubled strip together on the screen end, said strip containing keyhole slots which automatically engage said headed elements on the sash by the act of setting the mechanism in position in the bracket means, so that the screen will move with the sash, and hook means on said attaching strip

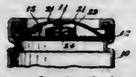
adapted to engage in openings provided on the casing, whereby to secure said screen end to the casing when the sash is closed, but to release the casing when the sash is being operated.

2,240,835
FOOTWEAR HEEL
George W. Cobb, Pacific Beach, Calif.
Application February 21, 1940, Serial No. 320,061
6 Claims. (Cl. 36—35)



1. In a footwear heel of the class described, the combination with the conventional footwear sole, of a heel supporting member secured to said sole at the heel portion thereof spaced from the side edge thereof and secured to the sole, a heel member provided with a recess conforming to said heel supporting member and fitted thereover against said sole, and the front and back sides of said supporting member being angular and extending downwardly and forwardly.

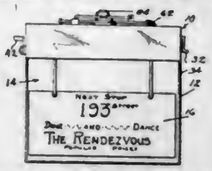
2,240,836
VENT STRUCTURE FOR ELECTROLYTIC CONDENSERS AND THE LIKE
James Henry Cotton, London, England, assignor, by mesne assignments, to Cornell-Dubilier Electric Corporation, a corporation of Delaware
Application August 18, 1938, Serial No. 225,524
In Great Britain October 30, 1937
7 Claims. (Cl. 220—44)



1. A vent for an electrolytic condenser or the like having a container subject to internal excess gas pressure, comprising a diaphragm of elastic material, an arched apertured cap overlying said diaphragm, said diaphragm and cap being secured to an opening of said container with the outer portion of said diaphragm forming a sealing gasket between said cap and said container, the mid-section of said diaphragm being of lesser thickness than its outer portion and having a puncture hole therein normally closed by reason of the elasticity of the material, an annular collar surrounding said mid-section and projecting towards said cap, a coil spring positioned to have its opposite ends engaging said mid-section and said cap, respectively, and a pointed member extending inwardly from said cap through said spring and arranged to engage said puncture hole during the distension of said diaphragm.

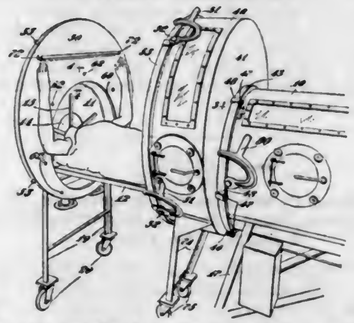
2,240,837
STREET INDICATOR AND ADVERTISING DEVICE
Thomas G. De Weese, deceased, late of Los Angeles, Calif., by Maude De Weese, administratrix, Los Angeles, Calif.
Application March 16, 1940, Serial No. 324,371
3 Claims. (Cl. 40—103)

1. In a street indicator including a housing structure therefor, a plural number of plates having apertures therein to receive supporting members, one of said apertures being elongated and arranged with the greater axis thereof in 90 degree dispositions with respect to the next adjacent plate, closed U shaped members to partially support said plates, a pin positioned in said elongated aperture and having a key normally at right angles to the greater axis thereof to support a lowermost plate in horizontal position, means to enable movement of said pin and key to effect registry of the key with the greater axis of the elongated aperture, and means to limit movement of said pin and key to 90 degrees



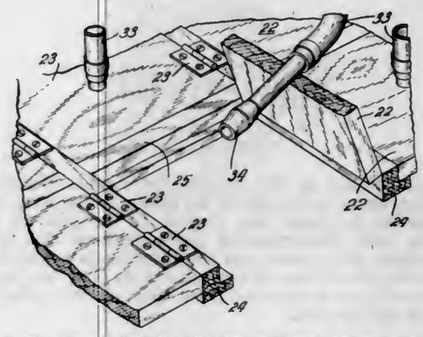
whereby a plate will be released to gravitationally move from said horizontal to a pendent vertical position on said U shaped member, said means comprising a quadrant in splined relation to said pin, and arms rotatably mounted around the axis of said pin and having a spring actuated catch adapted to engage an arm on said quadrant to move the same through an arc 90 degrees, and a spring to return said arm to normal position subsequent to each movement thereof.

2,240,838
RESPIRATOR
John H. Emerson, Cambridge, Mass.
Application January 6, 1941, Serial No. 373,213
6 Claims. (Cl. 128—30)



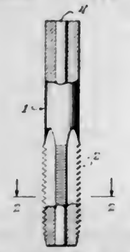
1. In an artificial respirator having a substantially horizontal casing with one open end, a bed slidable into and out of the open end of said casing, and a removable end wall attached to the end of said bed, the improvement which comprises an enlarged casing having an opening in each end through each of which openings said bed may be passed, a compressible sealing member located exteriorly of one of said openings of said enlarged casing, means for detachably holding one end of said enlarged casing in engagement with a portion of said sealing member and the open end of said respirator casing in engagement with another portion of said sealing member, another compressible sealing member located exteriorly of the opening in the opposite end of said enlarged casing, and means for detachably holding said removable respirator end wall in engagement with a portion of said latter sealing member and the said latter end of said enlarged casing in engagement with another portion of said sealing member whereby the enlarged casing is detachably secured adjacent one end of the artificial respirator.

2,240,839
CASING DRYING APPARATUS
George G. Fisher and Gustav W. Grubbe, Chicago, Ill., assignors to Independent Casing Company, a corporation of Illinois
Application January 25, 1940, Serial No. 315,558
7 Claims. (Cl. 34—104)



1. In apparatus for drying casings, an elongated casing drying chamber provided at its top with a plurality of doors, means associated with each door for maintaining in inflated condition a length of casing within said chamber, said means including an air discharge nozzle which extends through said doors and into the chamber, a clamp for securing the casing to the nozzle and means for drying the inflated casings.

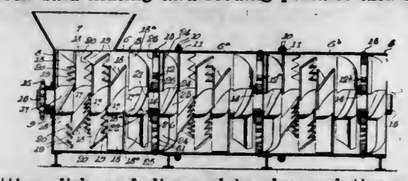
2,240,840
TAP CONSTRUCTION
Gordon H. Fischer, Milwaukee, Wis.
Application October 13, 1939, Serial No. 299,231
6 Claims. (Cl. 10—141)



1. In a tool of the class described, the combination comprising a relatively long and slender tool body composed of hard material suitable for cutting, means to which torsion may be applied at one end thereof, cutting surfaces surrounding the sides of said body, and a separate relatively tough core disposed within and tightly engaging a central opening running longitudinally through said body.

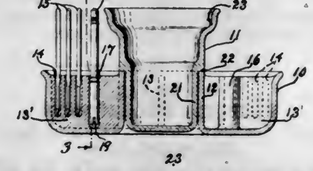
2,240,841
COMBINED MIXING AND GRINDING MILL
Benjamin H. Flynn, Alexandria, La.
Application February 23, 1940, Serial No. 320,491
7 Claims. (Cl. 83—6)

1. A mill comprising a horizontal cylindrical casing having a material inlet in its top at one of its ends, said casing having an end wall at said one of its ends and also having a stationary apertured cutting disk parallel with said end wall and spaced therefrom beyond said inlet, said end wall and said cutting disk being provided with central alined bearings, a driven shaft mounted in said bearings, a plurality of series of circumferentially spaced pitched mixing and feeding paddles on said shaft for mixing the materials and feeding them toward said cutting disk, a series of pitched circumferentially spaced mixing, feeding and crushing paddles on said shaft between said mixing and feeding paddles and said



cutting disk and disposed in close relation with the inner side of said cutting disk, said mixing, feeding and crushing paddles being pitched to crush the materials against said disk and force them through the apertures of said disk, and a rotary cutter on said shaft at the outer side of said disk and having cutting edges facing in the direction of cutter rotation for cutting the materials extruded through said apertures.

2,240,842
COMBINATION NUT BOWL WITH REMOVABLE NUT SHELL CONTAINER
Kurt C. Gehring and Bernice Gehring, Chicago, Ill.
Application January 15, 1940, Serial No. 313,844
2 Claims. (Cl. 65—15)

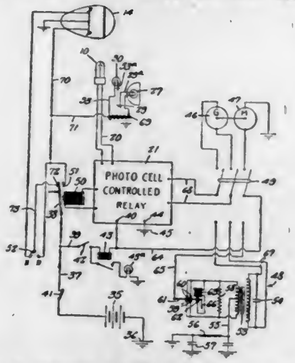


1. A combination nut bowl and nut shell container, comprising a bowl containing an outer wall and a central sleeve being of substantially equal height and a plurality of partitions extending outward from the sleeve to the bowl wall, to provide a plurality of separate compartments, at least one of said partitions being provided with relatively deep and narrow pockets to support nut picks therein and also containing a larger pocket which is oblong in cross-section for supporting the hinged end part of a nut cracker therein, so as to have its handle extended to be easily grasped by the hand and withdrawn ready for use, and a nut shell container removably mounted in said sleeve adapted to be readily withdrawn and emptied.

2,240,843
AUTOMATIC HEADLIGHT CONTROL
Leonard W. Gillespie, Greensburg, Ind.
Application November 10, 1938, Serial No. 239,896
4 Claims. (Cl. 171—97)

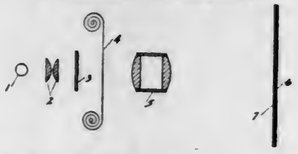
4. An automatic headlight control for motor vehicles comprising, in combination with a vehicle headlight having bright and dim filaments, a switch normally in the position to excite the bright filament but shiftable to deenergize the latter and excite the dim filament, automatic means controlling said switch, a light sensitive cell controlling said automatic means and positioned for energization by the headlight of an

approaching vehicle, a supplemental light positioned adjacent said cell and energized in the dim position of said switch, and an auxiliary energizing light energized when the switch is in a dimmed position and so positioned to affect the cell of an approaching car on which the corresponding auxiliary energizing light jointly with the supplemental light maintains the activity of said cell, the cell and supplemental light being



housed in a casing positioned below said headlight and the casing having a condensing means carried in the front wall thereof to concentrate the light rays from an approaching vehicle on said cell, and the auxiliary energizing light being carried by said casing and disposed below said condensing means, and a casing enclosing said energizing light and being provided with an oval lens closing the front thereof, the major axis of the oval being horizontally disposed.

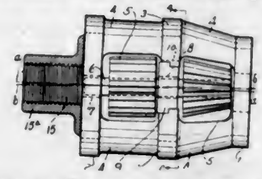
2,240,844
PICTURE PROJECTION
Jeremiah F. Goggin, Moline, Ill., and Ray E. Hall, Davenport, Iowa
Application May 21, 1938, Serial No. 209,228
3 Claims. (Cl. 250—71)



1. In the art of picture projection, the process which comprises organizing serially a plurality of arrangements of photonic rays predominantly ultraviolet and serially projecting said arrangements onto a screen comprising a support and a phosphorescent material, said serial arrangements being spaced and said photonic rays containing a sufficient intensity of long wave length rays to accelerate the phosphorescence to such a degree that the period thereof is about the length of the spacing between said arrangements.

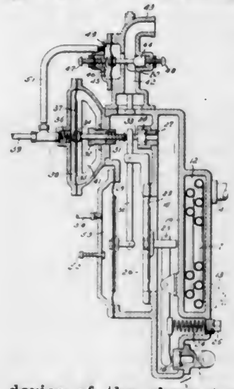
2,240,845
TUBE CLEANER
Walter T. Hamilton, Springfield, Ohio, assignor to The Airetool Mfg. Company, Springfield, Ohio, a corporation of Ohio
Application May 8, 1939, Serial No. 272,308
5 Claims. (Cl. 15—104.14)

3. In a rotary tube cleaner, a cage having front and rear fixed heads and an intermediate wall between said heads, a series of shafts each having a bearing seat in the rear wall and a removable wear plate in the intermediate wall having bearings for said shafts, a plurality of cutters mounted on each shaft, the front cutter of each series being located between the front head and the intermediate removable wear plate, teeth



or serrations on the cutters, the cutters of each series being arranged at an angle to the axis of rotation to cause the cleaner to advance in a tube, and interengaging parts between the removable wear plate and the intermediate wall to receive the thrust of the cutters as they are advanced into or removed from the tube into which they are inserted.

2,240,846
FEEDER FOR PRESSURE-LIQUEFIED FUELS
Roy E. Hanson, San Marino, Calif.
Application October 11, 1937, Serial No. 168,344
3 Claims. (Cl. 137—153)



1. In a device of the character described, a fuel lock-off comprising; a fuel valve; a spring adapted for exerting a force tending to close the valve; a flexible diaphragm operable by a partial vacuum, whereby said force may be overcome sufficiently to permit the valve to open fully without opposition by the spring; and means, independent of said spring and said diaphragm, for controlling the valve after it has opened; the valve being unattached to either said spring or said diaphragm.

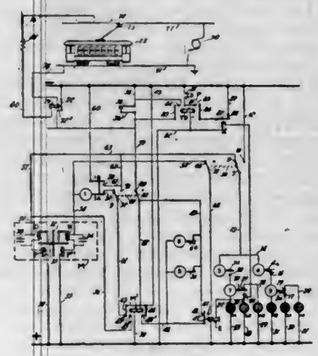
2,240,847
MAGNETIC SWITCH
Charles V. Hildebrecht, Chicago, Ill., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 11, 1938, Serial No. 224,248
15 Claims. (Cl. 200—87)

1. In combination, a non-magnetic sealed switch casing, terminal leads extending into said casing, relatively fixed contact means within said casing, contact means movable into and out of engagement with said relatively fixed contact means to open and close an electric circuit, an armature disposed within said casing and operable to actuate said movable contact means, and means resiliently supporting said armature within



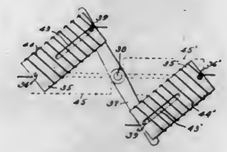
said casing wholly independently of all of the terminal leads extending into said casing, said armature and the supporting means therefor being wholly removed from all electric circuit connections through said casing.

2,240,848
TRAFFIC SIGNALING SYSTEM
Paul P. Horni, Newark, N. J.
Original application July 9, 1937, Serial No. 152,772. Divided and this application May 8, 1939, Serial No. 272,438
5 Claims. (Cl. 177—337)



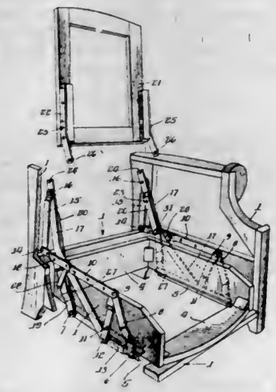
1. An automatic signaling system for a street intersection having a traffic signal for indicating "stop" and "go," switching means for operating said signal, driving means for moving said switching means through a signal cycle, said driving means comprising energizable windings capable of simultaneously producing opposing torques of unequal degree to regulate forward the speed of said driving means, traffic actuable means for initiating a signal cycle by energizing one of said windings, and means caused by successive operations of said traffic actuable means for energizing a winding to produce a torque opposing said first mentioned winding to cause retardation of the driving means.

2,240,849
BAND-PASS FILTER
Harry R. Lubcke, Los Angeles, Calif., assignor to Don Lee Broadcasting System, Los Angeles, Calif., a corporation of California
Application April 17, 1939, Serial No. 268,268
6 Claims. (Cl. 178—44)



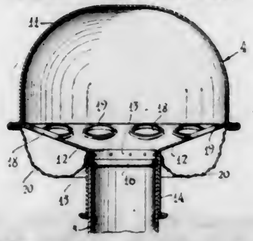
1. A band-pass filter comprising; two helical conducting coils having variable axial dimensions; means for adjusting said dimensions; and means for varying the positions of the coils with respect to each other, for adjusting their mutual inductance.

2,240,850
CHAIR
Edward M. Knabusch and Edwin J. Shoemaker, Monroe, Mich., assignors to Floral City Furniture Co., Monroe, Mich., a corporation of Michigan
Application May 6, 1939, Serial No. 272,233
12 Claims. (Cl. 155—116)



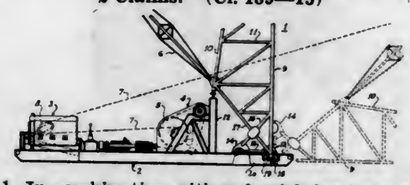
2. The combination with a chair body frame, a seat frame, swinging link means providing a parallel motion connection between the body frame and the seat frame at each side of the chair, a back frame, a link having operative connection at its lower end to the forward portion of each parallel motion connection and pivoted to an intermediate portion of the back frame at its upper end, a supporting link extending from each said intermediate portion to a fixed point on the body frame, and a link connection between the rear end of each parallel motion connection and the lower portion of said back frame.

2,240,851
BACKFIRE OIL TRAP
Wilfred W. Lowther, St. Paul, Minn., assignor, by mesne assignments, of twenty-five per cent to Ruth C. Donaldson, twenty per cent to Robert H. Donaldson, twelve and one-half per cent to A. Donaldson Olin, six and one-fourth per cent to Mae D. Buckeye, six and one-fourth per cent to Ralph A. Buckeye, twenty-five per cent to Ruth C. Donaldson as trustee and five per cent to Margaret M. Donaldson
Application February 10, 1940, Serial No. 318,338
2 Claims. (Cl. 183—93)



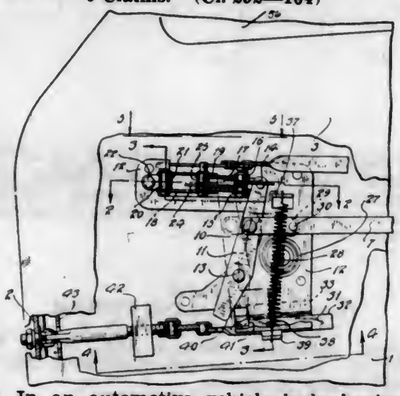
2. A backfire oil trap for engine intakes comprising a dome-like casing disposed on a vertical axis and having a bottom that slopes downwardly and inwardly from its outer edges toward its center, said downwardly and inwardly converging bottom being provided at its approximate center with an air and oil outlet passage that opens downwardly from the lowest portion of the interior of said bottom, said downwardly and inwardly converging bottom being provided with a circumferentially spaced plurality of air inlet openings radially outwardly of the said central air and oil outlet passage, and an upstanding marginal baffle closely associated with each of the several air inlet openings for directing oil flowing over the bottom of the casing around said inlet passages, whereby all of the oil deposited on the downwardly and inwardly converging bottom thereof will drain back through the said central air inlet passage.

2,240,852
DERRICK STRUCTURE
Cleon James Moon, Tulsa, Okla., assignor to Franks Manufacturing Corporation, Tulsa, Okla., a corporation of Oklahoma
Application January 20, 1940, Serial No. 314,801
2 Claims. (Cl. 189—15)



1. In combination with a derrick having a pair of spaced front legs and a pair of rear legs, a base structure upon which said derrick is rotatively mounted for raising and lowering between horizontal and vertical positions, comprising, a frame having spaced parallel side members spanned by said derrick, a pair of arcuate bearing members mounted on each of said side members and longitudinally spaced from each other, the rear ones of said bearing members being positioned at a higher level than the corresponding forward bearing members, a pair of arcuate shaped shoes attached to the lower end of each of said front legs of said derrick, one of the shoes of each pair being fixedly positioned rearwardly of the other and having its center of radius on the same level as the other one of said shoes when the derrick is in fully erected position, each of said pairs of shoes cooperating with the adjacent pair of said bearing members to provide a rearwardly shifting axis of rotation for said derrick as it is raised from the horizontal to the vertical position, means to support the rear legs of the derrick when said derrick is in the vertical operative position and means for raising and lowering the derrick between horizontal and vertical positions.

2,240,853
DOOR LOCK
Algott L. Nelson, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application January 22, 1940, Serial No. 314,944
9 Claims. (Cl. 292—164)

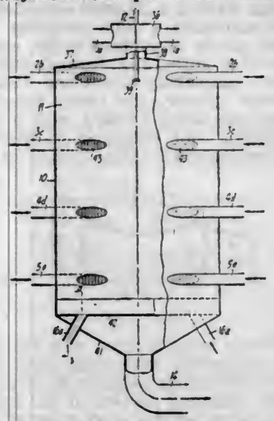


1. In an automotive vehicle body having a door opening, and a door hinged along an edge of said opening, the combination of a door latch adapted for mounting on said door comprising a retractable latch bolt, a support plate, energy storing means mounted on the support plate, means connecting said energy storing means with said bolt, a lever operatively connected with said energy storing means, draft means adapted for connection to a fixed part of the body, and a lost motion connection between the draft means and the lever operatable during a portion of the door opening movement to swing said lever to set the same and store energy in said energy storing means, and manually controlled means for releasably locking the lever in set position operatable to release said lever whereby the energy in said energy storing means is utilized in retracting the bolt.

2,240,854
DESICCATING APPARATUS
David D. Peebles, Berkeley, Calif., assignor, by mesne assignments, to Golden State Company, Ltd., a corporation of Delaware
Original application April 12, 1933, Serial No. 665,709. Divided and this application December 23, 1939, Serial No. 310,846
5 Claims. (Cl. 159—4)

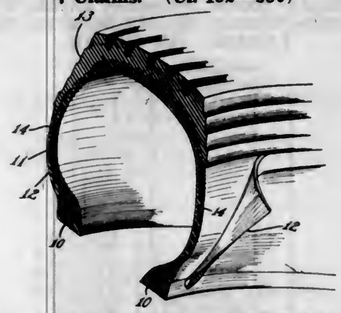
1. In a desiccating apparatus, a treatment chamber having an outflow conduit for the removal of desiccated material entrained with drying gas introduced into the chamber, means for maintaining swirling movement of gas within the chamber, and baffle means within said chamber

disposed adjacent the point of communication



of the chamber with said conduit, for minimizing the swirling of gas and entrained material.

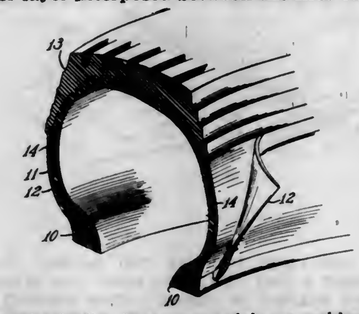
2,240,855
TIRE CONSTRUCTION
Warren E. Phillips, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 15, 1939, Serial No. 309,369
7 Claims. (Cl. 152—330)



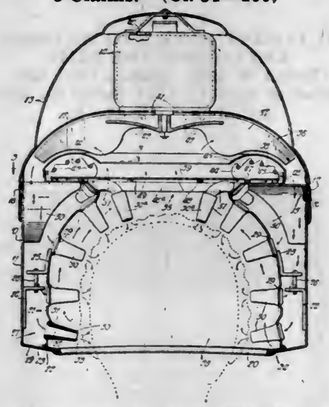
1. An article of manufacture including a portion comprising a light-colored rubber composition normally subject to staining, a second portion disposed closely adjacent to the first portion and comprising a rubber composition containing a migratory material which normally would stain the light-colored composition, and a buffer layer interposed between the first two portions, the buffer layer comprising a rubber composition substantially free of staining materials and containing activated charcoal, the first and second portions being integrally united respectively with opposed faces of the buffer layer to provide a unitary structure in which the light-colored first portion is not subject to staining by the migratory staining material of the second portion.

2,240,856
TIRE CONSTRUCTION
Warren E. Phillips, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Original application December 15, 1939, Serial No. 309,369. Divided and this application December 29, 1939, Serial No. 311,565
6 Claims. (Cl. 152—330)

1. An article of manufacture including a portion comprising a light-colored rubber composition normally subject to staining, a second portion disposed closely adjacent to the first portion and comprising a rubber composition containing a migratory material which normally would stain the light-colored composition, and a buffer layer interposed between the first two portions, the buffer layer comprising a rubber composition containing an inhibitor of migration comprising a thermoprene, the first and second portions being integrally united respectively with opposed faces of the buffer layer to provide a unitary structure in which the light-colored first portion is not subject to staining by the migratory staining material of the second portion.

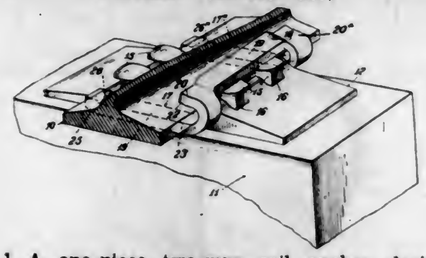


2,240,857
HAIR DRIER
Marion W. Pitner, Chicago, Ill., assignor to Products Development, Inc., Chicago, Ill., a corporation of Illinois
Application May 29, 1937, Serial No. 145,503
5 Claims. (Cl. 34—100)



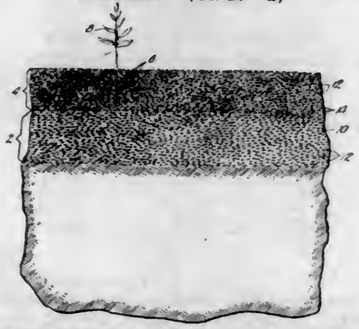
4. In a hair drier, an outer hood, an inner substantially hemispherical hood having air inlet and air outlet apertures therein, said hoods being joined at the open end of said inner hood and spaced from each other back of said open end to provide an air circulation path, an air acceleration chamber in said path back of the inner hood, air accelerating means in said chamber, and a heater back of the inner hood and within the air circulation path, said heater comprising an annular heating chamber having heating coils therein and having a wall covering said heating coils, said wall also separating said acceleration chamber from said coils and forming a wall of said air acceleration chamber and transmitting heat directly to the air therein.

2,240,858
TWO-WAY RAIL ANCHOR
Frederick A. Preston, Lake Forest, Ill., assignor, by mesne assignments, to Poor & Company, Chicago, Ill., a corporation of Delaware
Application February 26, 1940, Serial No. 320,883
9 Claims. (Cl. 238—327)



1. A one-piece two-way rail anchor device comprising a pair of spaced apart rail gripping members adapted to extend across beneath the base portion of a railroad rail in abutting engagement with opposite side faces of a rail supporting structure, each gripping member being formed with a hook-shaped portion for resiliently gripping the top and bottom surfaces, respectively, of one base flange of the rail and with a shoulder for locking engagement with the base flange at the other side of the rail, and a bar extending lengthwise of the rail at a location overlying said rail supporting structure and rigidly connecting said hook-shaped portions, whereby the said gripping members exert their combined gripping force on the rail to resist longitudinal movement thereof when either gripping member is pressed into abutting engagement with said rail supporting structure.

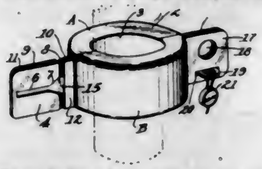
2,240,859
SOIL CONDITIONER AND METHOD OF EMPLOYING THE SAME
Ralph W. Rice, Kansas City, Mo.
Application April 17, 1939, Serial No. 268,335
4 Claims. (Cl. 47—1)



1. Seed sprouting and plant growing soil comprising a top layer of expanded vermiculite and soil of relatively high density and a layer of expanded vermiculite underlying said top layer.

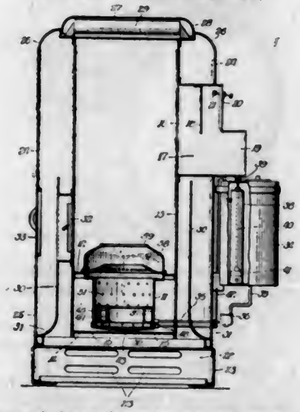
2,240,860
COUPLING SEAL
Chester M. Rose, Columbus, Ohio, assignor to United Seal Company, Columbus, Ohio, a corporation of Ohio
Application January 30, 1939, Serial No. 253,478
3 Claims. (Cl. 292—307)

1. A protective casing for pipe couplings comprising a pair of pressed steel sections, each of said sections having a flanged semicircular body formed to surround a pipe coupling when the two sections are in assembled order, each of said sections having integrally formed therewith at one side an outwardly extending radially projecting hinge tongue, the hinge tongue of one of said sections being formed with a longitudinally extending slot enlarged in width at one end, the complemental hinge tongue of the other



of said sections being formed with vertically registering transversely extending slots united by a web, said web being capable of turning movement in the enlarged portion of the longitudinal slot of the other tongue, and integral apertured ears projecting from the opposite side of said sections, as regards said tongues, said ears being adapted for the reception of a sealing device, said slotted hinge tongues of both sections being interengaged and contiguous along their inner surfaces when in protecting position.

2,240,861
OIL BURNER CONSTRUCTION
Rolland C. Sabins, Wisconsin Rapids, Wis.
Application February 15, 1939, Serial No. 256,449
8 Claims. (Cl. 158—91)

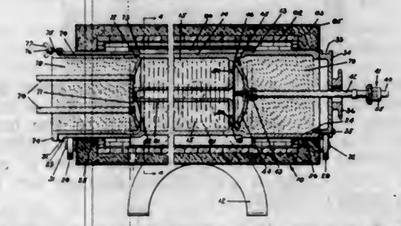


1. In a pot type burner, a pot, the pot wall having primary air openings adjacent the bottom, a ring shaped generator located in the pot above the primary openings, the outer wall of the ring having its major portion spaced from the pot wall, a cover for the ring spaced from the upper edge of the outer wall of the ring, the pot wall having secondary air openings therein above the ring, and means for supplying oil to the ring.

2,240,862
METHOD OF ADHERING RUBBER TO BRASS
James W. Schade, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 16, 1937, Serial No. 180,200
3 Claims. (Cl. 154—40)

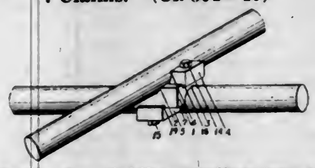
1. The method of adhering rubber to a brass surface which comprises covering the brass with a thin, continuous film consisting essentially of sulfur, in direct contact with the brass surface, superposing the rubber, and subjecting the assemblage to heat and pressure.

2,240,863
CARBURIZING MECHANISM
Daniel V. Scullen, Cohoes, N. Y., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 12, 1939, Serial No. 250,602
4 Claims. (Cl. 266—5)



1. In a device of the character indicated, a retort provided with a plurality of work-holding chambers, a transverse wall closing said chambers at one end and having ports respectively extending therethrough into said chambers, a second wall engaging the retort in spaced relation to said first wall and providing a gas expansion chamber between said walls, and a duct communicating with said expansion chamber through said second wall; substantially as described.

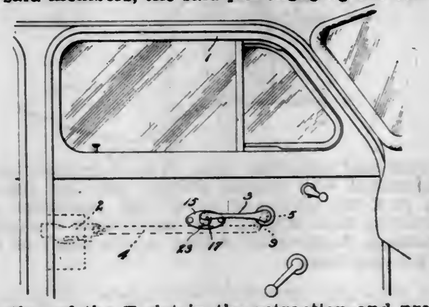
2,240,864
COUPLING DEVICE FOR TEMPORARY STRUCTURES
Massimo Segre, New York, N. Y.
Application December 28, 1939, Serial No. 311,267
7 Claims. (Cl. 304—40)



1. A device for rigidly coupling two elements of a scaffolding or other temporary structure in angular relationship, comprising a block having two arcuate recesses at the opposite sides thereof; two clamping members having each a concave surface adapted to cooperate with one of said arcuate recesses to hold a scaffolding element in gripping engagement and being of sufficient length so as not to damage said element; and two pivots, each of said pivots comprising a journal mounted on said block and a cam having one of said clamping members mounted thereon, the engagement of each of said clamping members with a scaffolding element and the clamping thereof around said element being brought about by a single rotation of the corresponding pivot.

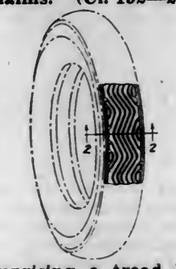
2,240,865
DOOR HANDLE ASSEMBLY
Emory Glenn Simpson, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application July 5, 1938, Serial No. 217,447
3 Claims. (Cl. 292—167)

1. In combination with a movable automobile door handle, a plunger member, a spring for projecting the same into the path of movement of the handle to block movement of the same, a housing member in which the plunger member is reciprocable and rotatable, a pin carried by one of said members and a T slot in the other of said members, the said pin engaging the stem



portion of the T slot in the retraction and projection of the plunger member and the said pin interengaging one or the other of the cross portions of the said slot upon retraction of the plunger member and turning of the same in either direction to retain the plunger member retracted.

2,240,866
VEHICLE TIRE
Kimball D. Smith, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 28, 1937, Serial No. 139,541
10 Claims. (Cl. 152—209)

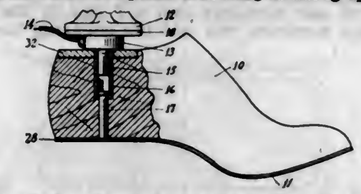


2. A tire comprising a tread having in the face thereof a pair of longitudinally extending, continuous straight bars at the margins of the tread face, and disposed between the marginal bars and separated therefrom by circumferentially continuous grooves, a plurality of bars each of a width between about .25 and about .45 inch and having extensive reaches thereof extending at an angle of between about 20° and about 50° to the longitudinal axis of the tread.

2,240,867
LAST
John Frederick Smith, Quincy, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application August 26, 1938, Serial No. 226,915
2 Claims. (Cl. 12—133)

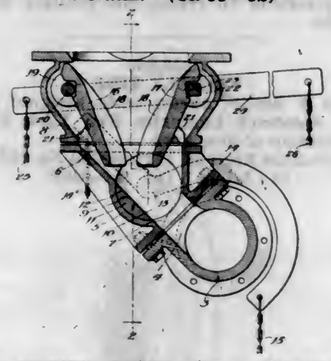
1. A last for use in a shoemaking process wherein shoe parts are stuck together with an adhesive heated by a high frequency electrical field, comprising a last body of electrically non-conductive material, a U-shaped metal clenching plate extending around the entire marginal heel seat portion of said last, but not over the central

heel seat portion thereof, a metal electrode plate on the forepart and shank portions of said last bottom having a rearwardly extending tongue underlying the central heel seat portion of said last, said electrode plate and tongue being spaced



from said clenching plate so as to be electrically insulated with respect thereto, said last having a jack-pin hole, and an electric conductor extending from said hole to said tongue through a passage forming an alined continuation of the jack-pin hole.

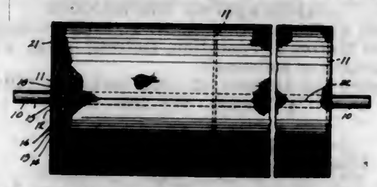
2,240,868
CONVEYER INLET WITH CRUSHER
Edgar B. Tolman, Jr., Chicago, Ill.
Application March 9, 1940, Serial No. 323,218
1 Claim. (Cl. 83—52)



In a conveyer system, the combination of a tubular fitting to be included in a conveyer conduit and having a flanged inlet port, a valve casing formed with walls flaring in one dimension from a flanged outlet secured to said inlet port, to a flanged inlet port; a crusher casing having walls generally flaring from a flanged outlet secured to said valve casing inlet port, to an inlet opening, a valve housed in said casing for movement bodily edgewise in the arc of a circle from port-open to port-closed position, downwardly converging crusher jaws housed in said crusher casing and projecting into said valve casing within the cylindrical space of which the path of movement of the valve forms a part, means to actuate said valve and means to actuate at least one of said crusher jaws toward the other thereof.

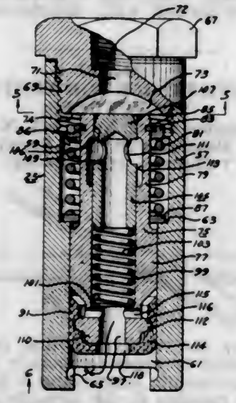
2,240,869
WIRE FACED ROLL FOR PAPERMAKING MACHINES
Harry G. Specht, Montclair, N. J., assignor to Encor Corporation, Belleville, N. J., a corporation of New Jersey
Application April 17, 1939, Serial No. 268,166
10 Claims. (Cl. 92—43)

10. In a cylinder roll for papermaking machines, a cylindrical supporting structure for a wire mesh covering comprising a plurality of longitudinally spaced coaxial circular head members, a plurality of circumferentially arranged supporting members extending between said head members and connected thereto, said supporting members having longitudinally spaced openings, there being a transverse supporting portion adjacent one edge of each of said open-



ings, and a fin projecting outwardly from said supporting portion at an angle thereto, a reinforcing rib in said fin extending to the outer edge of said fin to provide a transversely widened supporting edge portion, the outer edges of said fins constituting a supporting surface for the wire mesh covering.

2,240,870
LUBRICATION SYSTEM
Oscar L. Starr, Mission San Jose, Calif., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application March 7, 1938, Serial No. 194,371
13 Claims. (Cl. 284—19)

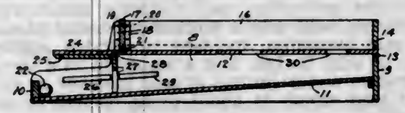


6. A lubricating coupling or the like comprising sealing means responsive to lubricant pressure for effecting a sealing relationship with a fitting, said coupling having a passage for flow of lubricant therethrough to such fitting, means in said passage for reducing residual pressure in said coupling, and means for correlating operation of the sealing means and the residual pressure reducing means to cause said residual pressure reducing means to become effective prior to breaking of said sealing relationship.

2,240,871
GAME APPARATUS
Eugene E. Stark, Olympia, Wash.
Application April 10, 1940, Serial No. 328,892
8 Claims. (Cl. 273—125)

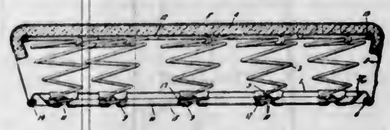
7. A game board whereon a game may be played with balls comprising a supporting frame; a board hinged to said frame and having a plurality of holes therein in spaced apart relation

and of larger diameter than the balls used on the board and through which the balls will drop; adjustable supporting means for said board whereby said board may be supported in a horizontal position or in an inclined position with one end thereof slightly higher than the other



end; and upwardly extending side members on four sides of said board providing a rectangular enclosure, one of said side members being vertically adjustable whereby it may be elevated to permit the use of ball shooting means thereunder.

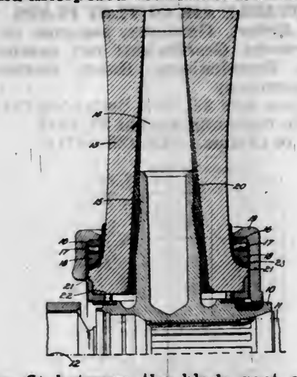
2,240,872
SPRING AND AIR CUSHION
Maurice Stubnitz, Adrian, Mich., assignor to Stubnitz-Greene Spring Corporation, Adrian, Mich., a corporation of Michigan
Application May 16, 1936, Serial No. 80,148
6 Claims. (Cl. 155—179)



6. In a spring and air cushion, a bottom frame, cross slats secured to the frame and bridging the frame to form therewith a plurality of openings, a plurality of springs having their bottom ends connected to the said slats and supported thereby, a cover for enclosing the said springs and secured along its bottom edge to the said bottom frame, support means carried along the lower edges of the said slats beneath the said springs, a plurality of spaced independent flexible closure members separated by said slats and supported by the said support means on the cross slats beneath the bottom of said springs whereby the bottom of said springs holds the said flexible closures on the said seats against vertical displacement, and the said bottom frame having a face which slopes inwardly and downwardly toward the said support means on the said slats whereby the sloping faces of the frame hold the flexible closures removably against endwise displacement and the said flexible closures can be flexed and slid endwise over the sloping face of the said bottom frame to remove the same.

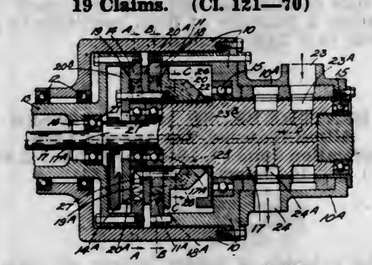
2,240,873
MOUNTING OF AIRSCREW BLADES
Frederick Metcalf Thomas, Hatfield, England, assignor to The De Havilland Aircraft Company Limited, Hatfield Aerodrome, Hertfordshire, England
Application November 7, 1938, Serial No. 239,386
In Great Britain November 11, 1937
5 Claims. (Cl. 170—162)

1. In an airscrew, in combination, blades each formed with an internal bore at the root end, a hub including radial spider arms each received within such a bore to constitute internal radial bearing means, and including external bearing means surrounding each blade root and concentric with the corresponding spider arm, and a layer of synthetic resin or the like, molded in situ, and interposed between and effecting a close



bearing fit between the blade root and each of the internal and external bearing means.

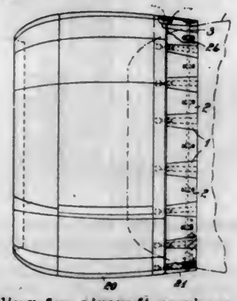
2,240,874
ROTARY FLUID-PRESSURE MACHINE
Frederick Metcalf Thomas and Frederick Alexander Nigel Hitch, Hatfield, England, assignors to The De Havilland Aircraft Company Limited, Hertfordshire, England
Application September 6, 1939, Serial No. 293,638
In Great Britain September 23, 1938
19 Claims. (Cl. 121—70)



7. A compound epicyclic gear fluid pressure machine of the gear pump type, comprising relatively rotatable annuli, planets respectively engaging said annuli, positive interconnection means between respective planets to insure rotation thereof together for the transmission of torque from one annulus to another, means including teeth of mutually engaged planet and annulus wheels to form closed pressure spaces therebetween, a rotatable planet supporting element, and rotary distributor valve means rotatable independently of said planet-supporting element.

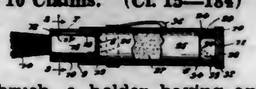
12. In propeller pitch changing mechanism, a member rotatable in opposite directions for increasing and for decreasing the propeller pitch respectively, a plurality of epicyclic gear trains arranged side by side and interconnected for concentric rotation, the tooth spaces of each train constituting pressure compartments for driving fluid, driving fluid distributing means communicating with the tooth spaces of the gear trains for supplying fluid under pressure to such spaces and for removing such fluid therefrom, for effecting very slow rotation of said member, and reversing means operable to control the flow of fluid under pressure through said distributing means for changing the direction of rotation of said gear trains, in turn to reverse the direction of rotation of said member.

2,240,875
COWLING FOR AIRCRAFT ENGINES WITH MOVABLE AIR OUTLET FLAPS
Otto Voss, Erfurt, Germany, assignor to Arado Flugzeugwerke Gesellschaft mit beschrankter Haftung, Brandenburg, Havel, Germany, a German company
Application July 28, 1938, Serial No. 221,867
In Germany August 31, 1937
10 Claims. (Cl. 123—171)



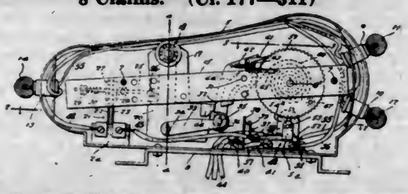
1. A cowling for aircraft engines, said cowling having a plurality of air outlet flaps adapted to open outwardly, a substantially annular ring connecting said flaps, said ring being severed at at least one place, means for moving the free ends of said ring with respect to each other to increase or reduce the diameter of said ring to open or close the flaps, each movement of the free ends of said ring with respect to each other actuating a plurality of flaps positively to open or close said flaps simultaneously.

2,240,876
DENTURE BRUSH AND DISPENSER
Alfred Waterud, Los Angeles, Calif.
Application June 24, 1940, Serial No. 342,153
10 Claims. (Cl. 15—184)



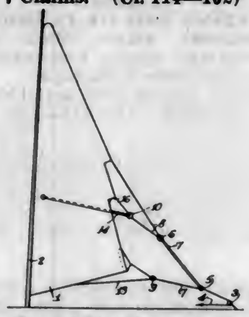
1. In a brush, a holder having an open end and a stop within the end in combination with a sleeve adapted for insertion of either end within the open end of the holder and a brush unit movable in the sleeve to expose outside of the sleeve either end of the brush unit and to protect the other end of the unit within the holder.

2,240,877
TELLTALE FOR AUTOMOBILE BRAKES
Herman Weick, West New York, N. J.
Application March 26, 1937, Serial No. 133,259
8 Claims. (Cl. 177—311)



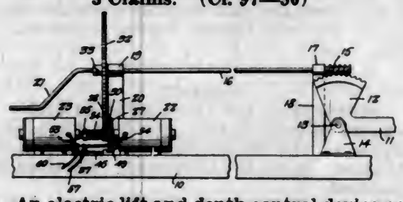
1. In a telltale and safety control apparatus for motor vehicles having brakes and an ignition circuit, means to open the ignition circuit including a member operative step by step from normal position to open said circuit with a delayed action, means to impart step by step operation to said member including a pendulum operative under gradual deceleration of said vehicle incident to normal application of said brakes and also operative in greater degree under abrupt deceleration of said vehicle incident to sudden application of said brakes, means for restoring said member to normal position, detent mechanism for preventing said restoring means from operating, said detent mechanism being released by said pendulum incident to sudden application of said brakes, and a signal in said circuit operative under control of said member to warn that said circuit is about to be opened by said member.

2,240,878
ARRANGEMENT IN SAIL SHEETS
Halvor Tobias Heyerdahl Andresen, Oslo, Norway
Application January 9, 1939, Serial No. 250,051
In Norway August 30, 1938
7 Claims. (Cl. 114—102)



1. An air flow device having a surface supported at its forward edge and spread so as to react to air flow, in combination with stretching means connected thereto, said stretching means comprising a plurality of lead lines connected with points distributed along the after edge of said surface and forward of the same, and an adjustable main sheet associated with said lead lines, whereby adjustment of said lead lines is accomplished simultaneously with an adjustment of the main sheet.

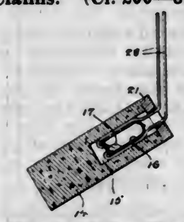
2,240,879
ELECTRIC LIFT AND DEPTH CONTROL DEVICE FOR FARM IMPLEMENTS
John H. Arnst, Valier, Mont.
Application May 29, 1940, Serial No. 337,921
3 Claims. (Cl. 97—50)



1. An electric lift and depth control device comprising, a support, a pair of electric motors on the support having their shafts in alined spaced relation, a sleeve fixed to and connecting both shafts as a unit, one of the motors being adapted to rotate in a clockwise direction and the other in a counter-clockwise direction, disk clutch means connected to one of the shafts having gear teeth, means for raising and lowering ground penetrating instruments disposed adjacent to one of the

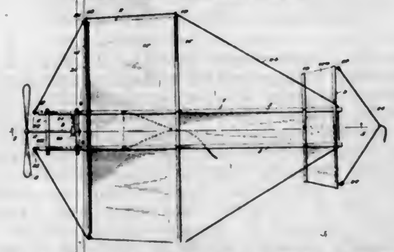
motors, a shaft connected to said means for actuating the means, a gear on said shaft meshing with said gear teeth, circuits for the motors, limit switches in the circuits for opening a respective motor circuit at a pre-determined time, means connected to the loose clutch disk for actuating the limit switches alternately, a manually operable selector switch controlling said circuits, and a source of electricity connected to said circuits.

2,240,880
FLOAT SWITCH CONTROL SIGNALING DEVICE
William M. Bennett, Omaha, Nebr.
Application September 20, 1938, Serial No. 230,888
4 Claims. (Cl. 200—84)



1. A device of the kind described, comprising a buoyant body having a weighted end for holding said body vertically when afloat, free universally flexible suspension means connected to the weighted end of the body for upsetting the same when directly suspended by the suspension means, and a gravity acting circuit closer within the body at the weighted end, for opening a circuit when the body is vertically disposed and automatically closing said circuit on the upsetting of said body.

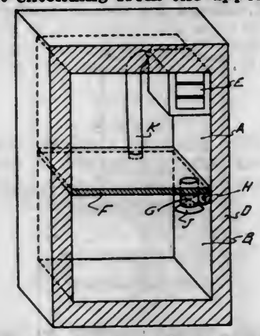
2,240,881
MONOPLANE KITE
Orla E. Bradford, Brookville, Kans.
Application May 7, 1940, Serial No. 333,854
7 Claims. (Cl. 244—154)



1. In a monoplane kite, the combination of a main frame comprising sticks, transversely-extending members on said sticks, each stick extending through both of said transversely-extending members, skids having portions extending through said sticks and transversely-extending members, and sound producing means on said transversely-extending members and one of said sticks.

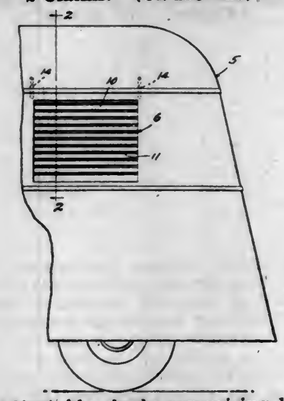
2,240,882
REFRIGERATOR
Lester Joseph Brain, Bellevue Hill, Sydney, New South Wales, Australia
Application October 26, 1938, Serial No. 237,159
In Australia October 29, 1937
3 Claims. (Cl. 62—89)

1. A refrigerator comprising an upper chamber, a lower chamber, a vertically adjustable horizontal partition separating the upper and lower chambers and forming the bottom wall of the upper chamber and the top wall of the lower chamber, a refrigerator unit in the upper chamber, a duct extending from the upper surface of



said partition down through said partition into the lower chamber for conducting cold air from the upper chamber into the lower chamber, a valve in said duct, thermostatically controlled means for actuating said valve, and a duct extending through said partition up to a zone near the upper portion of the refrigerating unit.

2,240,883
ADJUSTABLE SHADE
Emil A. Bischof, Orlando, Fla.
Application July 12, 1939, Serial No. 284,054
2 Claims. (Cl. 156—16)

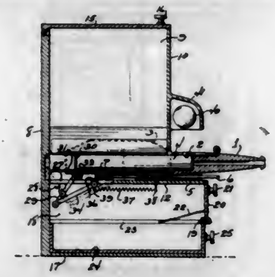


1. An adjustable shade comprising lengths of substantially thin sheet metal material, the longitudinal edges thereof being extended at right angles in parallel relation with respect to each other providing spaced upper and lower longitudinal flanges, said flanges having openings, tapes extending through the openings connecting adjacent slats and holding adjacent slats in spaced relation with respect to each other, said tapes adapted to fold between the slats when the slats are moved to close the shade, and securing members for securing the tapes to the slats.

2,240,884
CIGARETTE DISPENSING DEVICE
Charles L. Carlton, Juliaetta, Idaho
Application October 25, 1939, Serial No. 301,278
3 Claims. (Cl. 312—80)

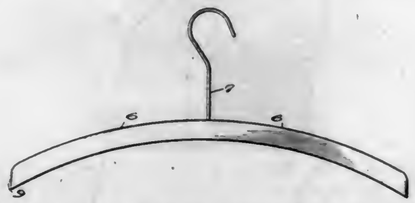
1. In a cigarette dispensing device that is ac-

tuated by abutment means fixed to a smoker's holder, and said device comprising a receptacle for receiving cigarettes and provided with an outlet opening, a trough in the bottom of the receptacle for individually receiving cigarettes and having an open end registering with the outlet opening, means for directing the cigarettes



to the trough, means operable by the smoker's holder through the medium of said abutment means for ejecting a cigarette within the trough through the opening and into the holder, and means for supporting the holder in registration with the opening for receiving the ejected cigarette.

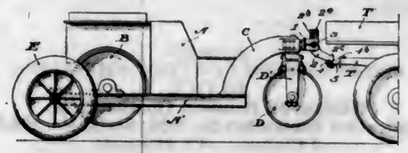
2,240,885
GARMENT HANGER
John S. Crocker, Canton, Pa., assignor to The Belmar Manufacturing Company, Canton, Pa., a corporation of Pennsylvania
Application December 19, 1939, Serial No. 310,064
2 Claims. (Cl. 223—92)



1. A garment hanger comprising a curved beam-like member of synthetic-plastic material of thin-walled inverted U-section with closed ends, said member having an integrally molded transverse strengthening portion on the inside thereof in the middle of the member and a plurality of integral spaced transverse strengthening portions in the region between the middle and ends of said member constructed and arranged to resist spreading of said walls, the walls of the member and the strengthening portions being free from reentrant portions whereby the member can be withdrawn from a mold, and supporting means fastened to the member at said strengthening portion.

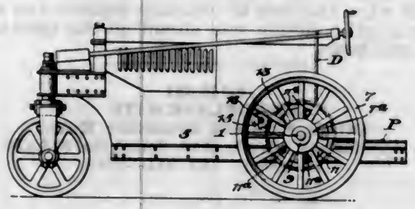
2,240,886
COUPLING DEVICE
Carl F. Greiner, Springfield, Ohio, assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio, a corporation of Ohio
Application August 6, 1940, Serial No. 351,573
5 Claims. (Cl. 280—33.15)

1. Means for coupling the ends of towed and towing vehicles and for supporting the coupled end of the towed vehicle, comprising a horizontal coupler plate rigidly carried by the towing vehicle and provided with a relatively large opening therein having side walls converging towards the rear end of the hole; a relatively small towing pin rigidly carried by the towed vehicle and having a load carrying bearing flange adapted to seat upon the upper face of said plate, the portion of the pin below the flange extending through the



hole and having an enlargement at its lower end; and a horizontally swingable member on the underside of the plate adapted in one position to partly encircle the front of the pin above the enlargement and to hold the pin at the apex of the converging walls of the hole to prevent withdrawal of the pin therefrom while permitting the pin to rotate in said hole; and means for locking said member in said position.

2,240,887
DRIVE WHEEL LOCK
Carl F. Greiner, Springfield, Ohio, assignor to The Buffalo-Springfield Roller Co., Springfield, Ohio, a corporation of Ohio
Application November 12, 1940, Serial No. 365,386
17 Claims. (Cl. 180—70)

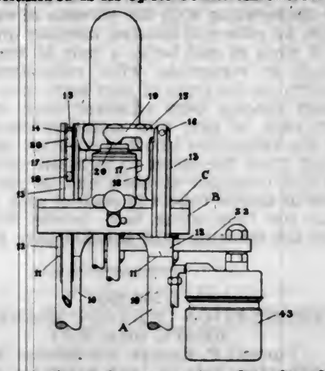


1. In a road roller or the like, a frame; a solid rotatable axle journaled therein; ground wheels carried by said axle at opposite sides of the frame; an operator's platform in the frame between said wheels; means including a differential shaft for normally driving both of said wheels, and for normally rotating the axle with one said wheel; a driven disk keyed to said axle adjacent the hub of the other said wheel and having a portion exposed at the operator's platform; and manually operable means on said disk accessible from the platform for locking and unlocking the disk to the adjacent wheel.

2,240,888
MILK SAMPLER APPARATUS
Emil E. Hageline, Chicago, Ill., assignor to The Lathrop-Paulson Company, Chicago, Ill., a corporation of Illinois
Application April 21, 1938, Serial No. 203,402
15 Claims. (Cl. 73—21)

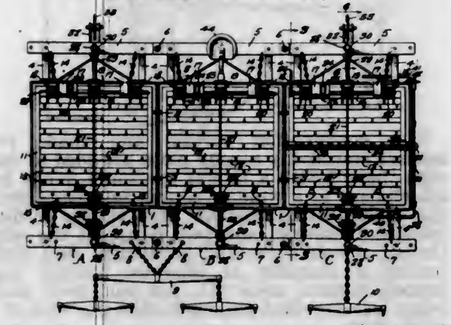
1. In a device of the class described, a pair of disks rotatably mounted one on the other with portions of the adjacent faces in contact, one of said disks being provided with a sample chamber, conduit means in said disks whereby upon rotation of one of said disks to one position the said chamber is in open communication with a

liquid conduit and when rotated to another position the chamber is in open communication with



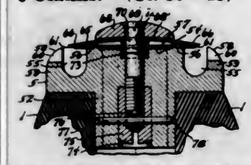
a drain conduit, and means for drawing liquid into said chamber when in the said first position.

2,240,889
WHEELED SECTIONAL HARROW
Jacob A. Hench, Mankato, Minn.
Application July 15, 1940, Serial No. 345,683
9 Claims. (Cl. 55—88)



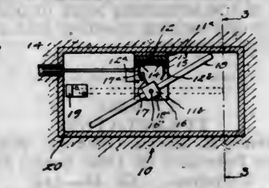
1. A harrow comprising coupled sections, each section including a body frame, toothed means vertically movable within and below the body frame for disposal into and out of ground working position, means swingingly supporting the toothed means and for moving the latter to its respective positions, and flexible means for limiting the swinging movement of the toothed means.

2,240,890
SHAVER
Oscar C. Kavle, Syracuse, N. Y.
Application October 11, 1938, Serial No. 234,451
6 Claims. (Cl. 30—43)



1. A device of the class described, comprising a support, a pair of thin relatively reciprocable blades mounted thereon, each having shearing instrumentalities on at least one edge thereof, one of said blades being relatively rigid and flat, and the other of said blades being flexible and normally transversely arcuate in its inert condition and being bevelled along the edge in the zone of its shearing instrumentalities to provide a substantially flat surface having substantially flat bearing contact with the other blade in the zone of the shearing instrumentalities, and means for continuously urging the blades into contact with each other in the zone of the shearing instrumentalities aforesaid while imparting reciprocating motion to one of said blades.

2,240,891
ELECTRICAL CONTROL DEVICE
Stanley W. Marchant, Mishawaka, Ind.
Application July 27, 1939, Serial No. 286,939
2 Claims. (Cl. 200—87)

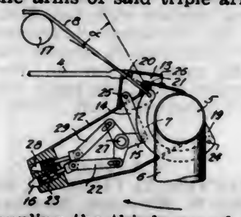


1. A magnetically operable electrical switch comprising a supported C-shaped standard vertically positioned with horizontally extending essentially parallel arms; a horizontally positioned C-shaped first switch element mounted on but electrically insulated from the central upright portion of said standard outwardly extending between the arms thereof, the end portions of said C-shaped switch element being intrinsically resilient and inwardly bent; a relatively massive collar; integrally formed radially extending diametrically positioned pointed trunnions on said collar receivable in openings formed in end portions of the arms of said standard whereby said collar is held between the standard arms freely rotatable about a vertical axis; an intrinsically resilient second switch element mounted on said collar positioned between the bent arm ends of the first switch element and making electrical contact therewith when the collar is oscillated; a relatively long bar magnet mounted near its center of gravity in said collar and movable therewith whereby magnetic force in the vicinity will attract or repulse said magnet causing movement of the collar and the making of electrical contact between the first and second switch elements; and means for holding the magnet normally in an intermediate position such that the switch elements do not make electrical contact.

2,240,892
RETRACTABLE UNDERCARRIAGE FOR AIRCRAFT
Franz Meyer and Fritz Maire, Bradenburg, Havel, Germany, assignors to Arado Flugzeugwerke Gesellschaft mit beschraenkter Haftung, Babelsberg, near Berlin, Germany, a company of Germany
Application April 15, 1939, Serial No. 268,136
In Germany May 18, 1938
5 Claims. (Cl. 244—102)

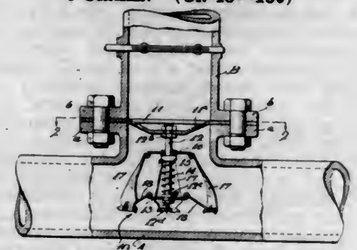
1. In a retractable undergear for aircraft and having a rocking shaft and an actuating lever for rocking said shaft between protracted and retracted positions, a locking device for selectively locking said shaft in either of said positions, said locking device comprising a first locking member for locking the shaft in protracted position, a second locking member for locking the shaft in retracted position, a triple armed

lever, means coupling said first locking member to one of the arms of said triple armed lever, means coupling said second locking member to a second of the arms of said triple armed lever,



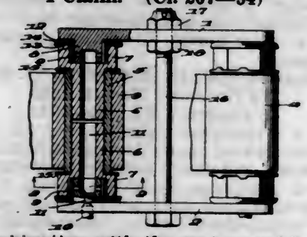
and means coupling the third arm of said triple armed lever with said actuating lever, whereby movement of the actuating lever in one direction will actuate one locking member and release the other locking member.

2,240,893
TURBULATOR
Henry R. Micka, Oshkosh, Wis.
Application February 19, 1940, Serial No. 319,788
3 Claims. (Cl. 48—180)



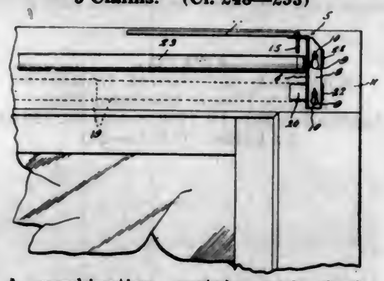
1. A fluid turbulator comprising a bridge-piece adapted to be mounted within a manifold; a shaft, rigidly mounted on said bridge-piece extending vertically downwardly into said manifold; a first spider freely rotatably mounted on the bottom end of said shaft; a second spider freely rotatably mounted upon said shaft above said first spider; downwardly freely dependent longitudinally twisted reeds pivotally mounted on distal portions of said second spider, connector links pivotally attached to bottom portions of said reeds and to distal portions of said first spider; and means urging said spiders toward each other whereby the reeds are urged toward the axis of said shaft.

2,240,894
SPRING SHACKLE ASSEMBLY
James H. Roberts, Osceola, Ark.
Application June 19, 1939, Serial No. 279,955
1 Claim. (Cl. 267—54)



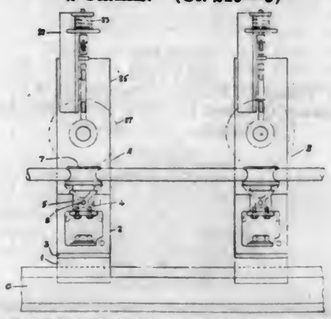
In combination with the spring and hanger of a vehicle chassis, a shackle assembly comprising a pair of internally threaded sleeves engaging the eyes of the spring and hanger, respectively, a pair of oppositely disposed threaded bolts cooperating with the threads of each of said sleeves, an enlarged housing member on the outer end of each of said bolts, a pair of shackle bars, adapted to cooperate with respective housing members on the ends of said bolts, hub members on said shackle bars adjacent each end of the latter, each of said hub members being coaxial with the respective housing member and spaced radially from the latter to form an annular needle roller chamber at each end of said bolts, a cluster of needle rollers in each of said chambers, means for lubricating said needle rollers, and means for securing said shackle bars in place.

2,240,895
COMBINATION CURTAIN, SHADE, AND DRAPE BRACKET
Vincent P. Rosage, Johnstown, Pa.
Application July 15, 1940, Serial No. 345,642
5 Claims. (Cl. 248—253)



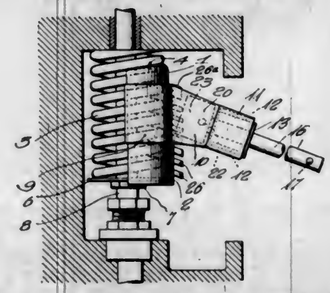
5. A combination curtain and shade rod bracket embodying a body plate provided at one edge thereof with a lateral apertured flange for attachment to a window casing, said plate having a plurality of separate bracket lugs formed integral therewith, and said flange at the edge thereof remote from and paralleling said plate having a plurality of separate bracket lugs formed integral therewith, and said body plate being also provided for supporting one end of a shade roller.

2,240,896
APPARATUS FOR ELECTRIC WELDING
Francis Sönnichsen, Oslo, Norway
Application November 20, 1939, Serial No. 305,385
In Norway October 10, 1939
2 Claims. (Cl. 219—6)



1. Apparatus for electric welding of a longitudinal seam of a pipe comprising, a girder, a plurality of supports slidably mounted on said girder, means for insulating said supports with respect to the girder, two rollers rotatably mounted on each support and being adapted to bear against opposite sides of the pipe to be welded, a guiding piece suspended on each support, rotatable guide means mounted on each support for preventing lateral movements of the guide piece in directions transversely of the seam of the pipe to be welded, a contact roller adapted to engage the pipe adjacent said seam rotatably mounted on each guide piece, means for yieldably urging each guide piece toward the pipe so that each contact roller presses against the pipe adjacent the seam to be welded, and means including a conducting liquid for connecting each contact roller to a source of current.

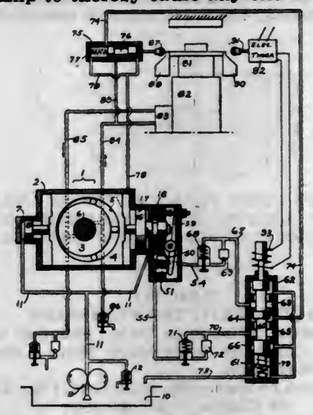
2,240,897
VALVE SPRING COMPRESSOR
Robert Styles, San Francisco, Calif.; Belle Styles, owner by decree of court, assignor of one-half to George Kelly, San Francisco, Calif.
Application November 1, 1939, Serial No. 302,431
4 Claims. (Cl. 29—86.3)



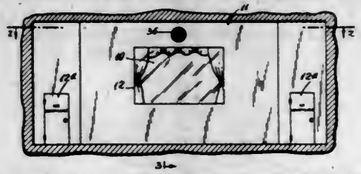
1. In a spring compressor, a stationary jaw shaped transversely to fit about a helical spring, wings extending towards each other in spaced relation to the outer face of the stationary jaw and having arms extending outwardly from the stationary jaw in transverse spaced relation to each other, a bearing mounted between outer end portions of said arms, a movable jaw slidable vertically between the stationary jaw and said wings, teeth projecting outwardly from the movable jaw and forming a vertically extending rack between inner ends of the arms, a rotatable shaft journaled through said bearing and extending longitudinally of the arms between the same, and a head at the inner end of the shaft having a portion extending from the inner end thereof split and overlapped at one point to form a circumferentially extending spiral thread engaging between teeth of the rack transversely thereof for shifting the movable jaw vertically when the shaft is turned and holding the movable jaw in an adjusted position.

2,240,898
PUMP CONTROL
Ernst Wiedmann, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 6, 1937, Serial No. 173,075
18 Claims. (Cl. 103—38)

1. The combination, with a pump having a member movable in opposite directions to increase or decrease pump displacement and urged in one of said directions, of means for moving said member in the opposite direction, a plurality of means each responsive to a different fluid pressure for effecting operation of the aforesaid means, and means for selectively connecting said plurality of means to the outlet of said pump to thereby cause any one of a plurality of predetermined pump pressures to effect adjustment of pump displacement.



2,240,899
DISPLAY DEVICE
Horace Armistead, New York, N. Y., assignor of one-half to Leon Rand Warren, New York, N. Y.
Application December 11, 1939, Serial No. 308,577
5 Claims. (Cl. 272—13)

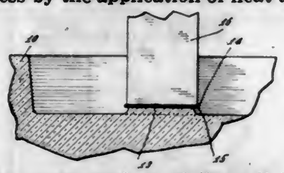


1. In a device of the class described, a transparent mirror set at an angle to the audience, a front wall having a stage opening and hiding the edge portions of said mirror, a plurality of transparent pictorial designs or other subject material adapted to be selectively placed behind said transparent mirror, and means for illuminating said transparent pictorial designs, each of said transparent pictorial designs being extended across the open side of a box-like construction and said means for permitting said transparent pictorial designs to be selectively placed behind said mirror, comprising a rope for each of said boxes for normally holding said boxes in a position above said mirror and usable for lowering said boxes to rest upon tracks mounted behind said mirror.

2,240,900
PROCESS OF DECORATING PLASTICS
Charles A. Bauer, Newburg, Ind., assignor to The Cardinal Corporation, Evansville, Ind., a corporation of Indiana
Application October 28, 1940, Serial No. 363,146
8 Claims. (Cl. 41—22)

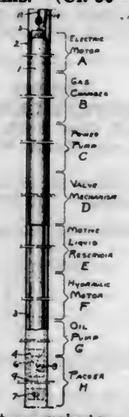
3. A process of ornamenting a transparent article having a recess in its rear face, which comprises forming on the bottom wall of the recess a design in low relief, the elevated portion or portions of such design having upper faces constituting discrete parts of a continuous surface, laying upon said elevated portions a sheet of roll leaf having on its lower surface a colored opaque

coating, transferring such coating to the upper faces of the elevated portions of the bottom wall of the recess by the application of heat and pres-



sure to the upper surface of the roll leaf, and thereafter applying an opaque coating of contrasting color to other portions of the recess walls.

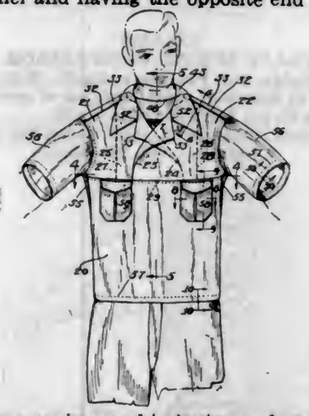
2,240,901
HYDRAULIC TRANSMISSION
Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 20, 1936, Serial No. 64,901
20 Claims. (Cl. 60—52)



1. A hydraulic transmission, adapted to be lowered into an oil well, comprising a reciprocating hydraulic motor, a pump having pistons and cylinders arranged in a rotatable cylinder barrel and means for causing reciprocation of said pistons during rotation of said cylinder barrel, a pump valve mechanism for controlling the flow of liquid to and from said pump cylinders, means including a control valve mechanism for directing liquid from said pump to opposite ends of said motor alternately and from opposite ends of said motor alternately to said pump to thereby effect operation of said motor, and a fluid tight housing joined to said motor and enclosing said pump and said valve mechanisms.

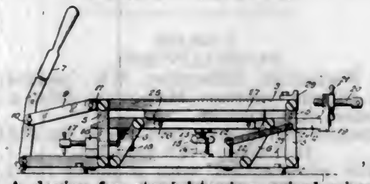
2,240,902
GARMENT CONSTRUCTION
Hyman Fishman, Philadelphia, Pa., assignor to Freedman-Roedelheim Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 17, 1940, Serial No. 319,477
7 Claims. (Cl. 2—115)

1. A garment of the character described adapted alternatively to be worn open at the throat or closed at the throat, comprising a generally rectangular front panel adapted to cover the front waist zone of the wearer and being continuous across the front of the garment, said panel having a straight upper margin at breast height extending across the full width of the garment and terminating under the wearer's arm-pits, a rear panel sewed along its sides to the sides of said front panel and forming therewith a generally tubular portion, separate and distinct left and right breast panels disposed above said front panel and overlapped at the central zone of said garment and having their lower margins permanently sewed to said breast-height upper margin of said front panel, the zone of overlap of said breast panels being generally rectangular in outline when the panels are flat, a shoulder panel extending across the full shoulder width of said garment and having its lower margin sewed to the upper margin of said rear panel and having the opposite end zones of



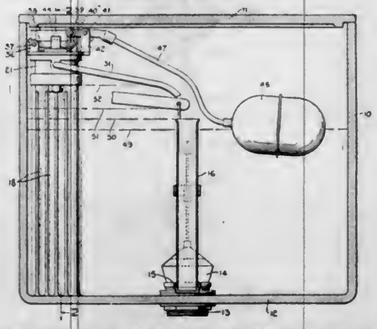
its upper margin sewed to juxtaposed upper marginal portions of said breast panels, and a relatively flexible turned-down collar sewed to the central upper marginal portion of said shoulder panel and to upper marginal portions of said breast panels, said collar terminating short of the upper corners of the breast panels defining the upper limits of said overlapped zone, said upper corner portions being foldable downwardly and outwardly away from each other to provide crossed lapels when the garment is to be worn open at the throat, and being adapted to be unfolded to draw the collar closer around the wearer's neck when said garment is to be worn closed at the throat.

2,240,903
DEVICE FOR STRAIGHTENING SPIRAL BINDERS
Albert Freundlich, New York, N. Y., assignor to Kamket Corporation, New York, N. Y., a corporation of New York
Application September 2, 1939, Serial No. 293,153
6 Claims. (Cl. 11—1)



2. A device for straightening spiral wires and the like, comprising a pair of substantially parallel pressure members having plain surfaces facing each other, means to maintain said members in spaced relation to permit the free entry therebetween of a spiral binder or the like, means to relatively move one of said members in a direction lengthwise and toward the other member and during such movement clamping portions of the binder therebetween and forcing such clamped portions in the direction of the relative movement of said members, and means to limit the amount of movement of said movable member to a predetermined extent.

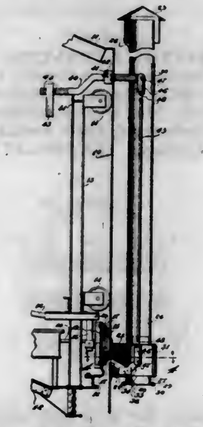
2,240,904
TANK REFILL AND AIR GAP
William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application October 27, 1939, Serial No. 301,570
1 Claim. (Cl. 137—21)



In an improved flush tank filling means the combination of a tank, an overflow waste pipe mounted therein and determining the normal height of water within the tank, an inwardly extending rib formed on the rear wall of the tank and extending into the tank and defining a groove on the rear wall of the tank, a plurality of flutes formed on the front face of the rib, a source of water supply including a pipe positioned in the groove and a lateral pipe connected to and extending through a perforation in the rib and adjacent the upper open end of the tank, and a water supply valve secured to the lateral, said water supply valve being positioned adjacent the top of the tank and with the outlet leading water into the tank located well above the possible height that water within the tank may attain under any condition of service, such construction establishing a fixed air gap between the supply valve and any possible height to which water may rise within the tank to prevent back siphonage of water to the source of supply, and said construction also preventing pollution of pure water from the supply by maintaining the supply pipe out of contact at all times with water within the tank.

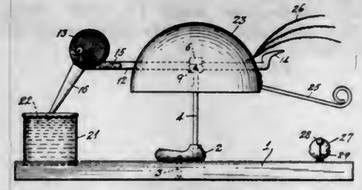
2,240,905
VENT MEANS FOR WATERLESS GASHOLDERS AND THE LIKE
William E. Gruening, Cincinnati, Ohio, assignor to The Stacey Brothers Gas Construction Company, Cincinnati, Ohio, a corporation of Ohio
Application November 25, 1938, Serial No. 242,312
6 Claims. (Cl. 48—174)

1. In a gas holder of the type providing a tank wall having a sealing piston movable therein, said tank wall including a gas exhaust opening near the top of the tank, an exhaust duct extending from said opening upwardly externally of the tank, said duct opening at its upper and lower ends, a lever fulcrumed on the tank wall, a valve engaged over said opening, a link between the outer end of the lever and the valve, said lever extending inwardly into the tank and engageable by the upper portion of the piston,



and a weight mounted on the inner end of the lever effective for closing the valve except when the piston engages said lever.

2,240,906
POWER UNIT FOR AMUSEMENT DEVICES AND THE LIKE
Charles Harold, New York, N. Y., assignor of one-half to George H. Shackley, West Milford, N. J.
Application July 29, 1939, Serial No. 287,213
6 Claims. (Cl. 46—119)



1. A toy, amusement device or the like, comprising an operated member, said member representing an object adapted to convey intelligence to the observer, an operating member adapted to create power and cooperatively associated with said operated member, said operating member comprising an air-exhausted hollow member, a support associated with said hollow member with respect to which said hollow member has cyclic movement, a heat sensitive medium in said hollow member, a warm portion and a cool portion associated with said hollow member and in spaced relation with respect to each other, said heat sensitive medium being adapted to volatilize when in proximity to said warm portion and flow toward said cool portion and condensing when in proximity to said cool portion, the weight of the condensed heat sensitive medium, in proximity to the cool portion, causing movement of the operating member in one direction, said condensed heat sensitive medium flowing from said cool portion to said warm portion said operated member being physically associated with a portion of said operating member and causing movement of said operating member in the opposite direction, said condensed heat sensitive medium in proximity to said warm portion then being revolatilized, such cycle of vaporiza-

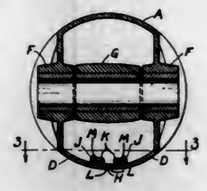
tion and condensation of said medium and movement thereof in said hollow member being continued over long periods of time.

2,240,907

PISTON EXPANDER

Arden John Mummert, University City, Mo., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo., a corporation of Delaware

Application January 6, 1940, Serial No. 312,770
3 Claims. (Cl. 309—12)



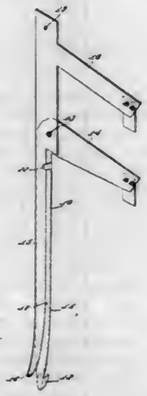
1. An expander for a piston skirt having an axially extending slot therein, said expander comprising a pair of parts anchored to the marginal portions of said skirt at each side of said slot and a spring engaging said parts to move said marginal portions to open up said slot.

2,240,908

TOOL FOR SEGMENTING CITRUS FRUITS

Ralph Polk, Sr., Miami, and Ralph Polk, Jr., Haines City, Fla., assignors to The Polk Development Company, Tampa, Fla., a copartnership of Florida

Original application April 13, 1938, Serial No. 201,732. Divided and this application June 7, 1939, Serial No. 277,845
4 Claims. (Cl. 146—3)



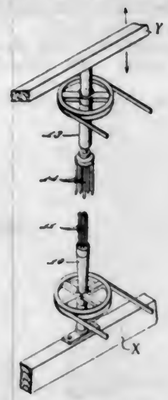
1. A tool for rupturing the natural-bond between one side of a juice-cell group of a fruit of the natural citrus type and the adherent radial integument, comprising two thin closely parallel blades held together in that relation, one blade having a laterally projecting tapered lug at its tip beyond the tip of the other blade and upon its face opposite said other blade, the said other blade having its tip bent outwardly away from the first-mentioned blade.

2,240,909

APPARATUS FOR SEPARATING INTEGUMENT-FREE SEGMENTS OF CITRUS FRUITS

Ralph Polk, Sr., Miami, and Ralph Polk, Jr., Haines City, Fla., assignors to The Polk Development Company, Tampa, Fla., a copartnership of Florida

Original application April 13, 1938, Serial No. 201,732. Divided and this application June 29, 1939, Serial No. 281,858
3 Claims. (Cl. 146—3)



1. Means for manipulating citrus fruits comprising a circular series of parallel tines projectable into the fruit between the radial integuments thereof within and adjacent the apices of said integuments, a finger parallel with said tines and axially projectable into the fruit closely beyond the circumference of said circular series of tines, a support for said tines, and a support for said finger, the supports being of such character that one may be shifted axially of the tines and finger so that the tines and finger may be concurrently embedded in the fruit with the finger in an orbit of larger diameter than the tines and that one may be rotated to cause relative revolution between tines and finger about a common axis and the tines and finger being of such lengths that upon such relative revolution the radial integuments will be wrapped around the tines series between said tines and finger.

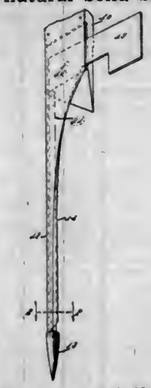
2,240,910

TOOL FOR SEGMENTING CITRUS FRUITS

Ralph Polk, Sr., Miami, and Ralph Polk, Jr., Haines City, Fla., assignors to The Polk Development Company, Tampa, Fla., a copartnership of Florida

Original application April 13, 1938, Serial No. 201,732. Divided and this application July 24, 1939, Serial No. 286,204
3 Claims. (Cl. 146—3)

1. A tool for rupturing the natural bond between one side of a juice-cell-group of a citrus fruit and the adjacent radial integument, comprising a trough-shaped main stem closed at its lower end by a tapered tip and having a length, above the tip, exceeding the polar dimension of the fruit segment, a thin blade nested in the trough-shaped stem above the tip to be normally guarded by said tip, and a pivotal mounting for said blade on a fixed axis transverse of the axis of the stem whereby, after projection of the stem and guarded blade polarwise through the apex of the fruit segment without rupture of the radial integuments, the blade may be swung outwardly to rupture the natural bond between the penetrated juice-cell-group and the adherent radial integument.

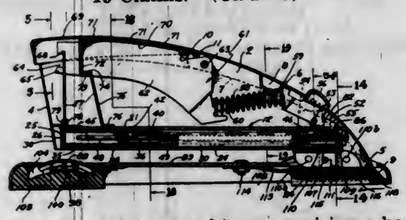


2,240,911

STAPLE DRIVING MACHINE

Fridolin Polzer and Roy E. Peterson, Norwalk, Conn., assignors to The E. H. Hotchkiss Company, Norwalk, Conn., a corporation of Connecticut

Application May 1, 1939, Serial No. 270,970
15 Claims. (Cl. 1—3)



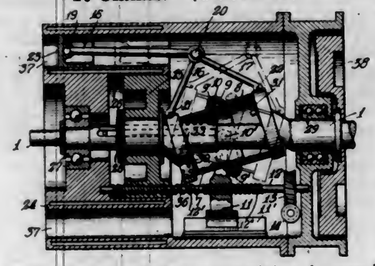
1. A staple driving machine comprising a body, a staple slide mounted in the lower part of the body to slide forwardly from the body for loading with staples, a releasable catch for normally retaining the slide in the body, a staple guideway for staples to be driven at the front end of the slide, a staple driver operable through the guideway, a hand lever pivoted in the body and connected with the driver for operating it, and a spring reacting between the hand lever and the catch to retain both in their normal positions.

2,240,912

POWER TRANSMISSION

Roscoe C. Porter, Long Island City, N. Y.

Application September 25, 1939, Serial No. 296,380
10 Claims. (Cl. 74—60)



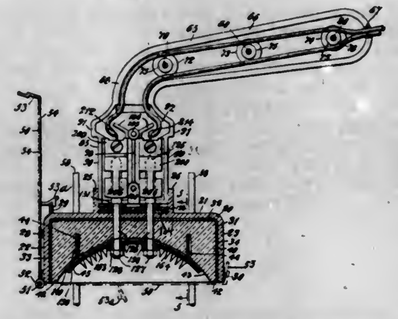
1. Power transmission comprising in combination, a reciprocatory member, a rotary member, convergent rocking arms, means connecting said reciprocatory member to said arms adjacent their convergence to cause said arms to rock in unison with said reciprocatory member, means drivingly connecting each of said arms, respectively, to said rotary member at axially spaced parts of said rotary member, and means for axially shifting at least one of said last-mentioned connecting means to vary the axial distance between said connecting means.

2,240,913

ELECTRIC HEATING TORCH

Frank Roskos, Bayonne, N. J.

Application January 25, 1940, Serial No. 315,552
4 Claims. (Cl. 219—29)



1. In an electric heating torch the combination of a cup shaped shell, a refractory heat reflecting support positioned in said shell and having a parabolic reflecting face, helical heating coils bearing on said parabolic reflecting face, a switch box detachably supported on the top wall of said shell, switch plugs detachably supported in said switch box, a switch clamping member for each switch plug in said switch box, each switch plug having a bolt end integral therewith extending through the heat reflecting support, a plurality of helical heating coils in series with one another bearing on the parabolic reflecting face of said heat reflecting support, a wire extending from the adjacent ends of a pair of said coils, and connected to said bolt ends, means to maintain said coils to bear against the reflective face of the reflecting support and means to electrically energize said switch plugs.

2,240,914

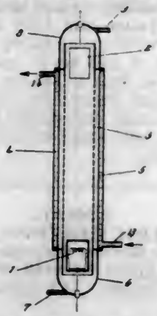
DEVICE FOR CONVERTING ATOMS

Werner Schütze, Berlin-Spandau, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany

Application May 20, 1939, Serial No. 274,734
In Germany May 20, 1938
8 Claims. (Cl. 250—141)

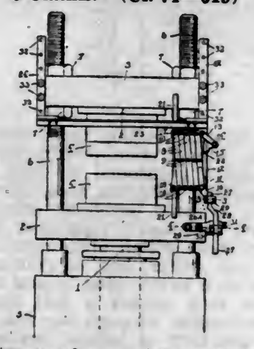
1. An apparatus for irradiating substances with ions, comprising a discharge vessel, a cathode and an anode in said vessel for producing a gas discharge forming the source of the ions, a grid surrounding said discharges and extending from said cathode to said anode over the entire length of said discharge, means for impressing on said grid a potential negative with respect to said gas discharge, and an acceleration high-voltage

cathode closely surrounding said grid, said latter cathode having its inner surface provided



with the substance to be irradiated by the ions passing through said grid.

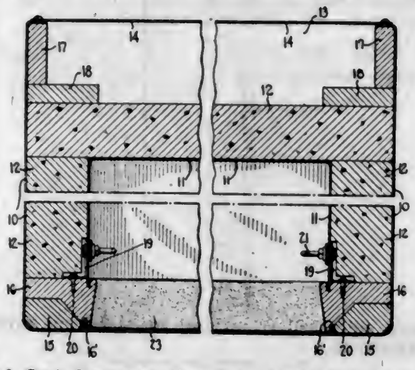
2,240,915
SAFETY GUARD
Wilfrid H. Searjeant, Rochester, N. Y., assignor to Taylor-Shants Inc., Rochester, N. Y., a corporation of New York
Application November 16, 1938, Serial No. 240,773
6 Claims. (Cl. 74—615)



1. A safety guard comprising a series of levers pivotally held together in pairs and hingedly connected to form an expansible and contractible gate, fixed pivotal supporting means for the free end of one of the pair of levers at one end of the gate, movable supporting means for the free end of the other lever of the said pair of levers of the said end of the gate, an arm extension on said lever end held supported on said fixed pivotal supporting means, a movable cam rod engaging said arm extension and means for adjustably holding said cam rod for the operation of said arm extension.

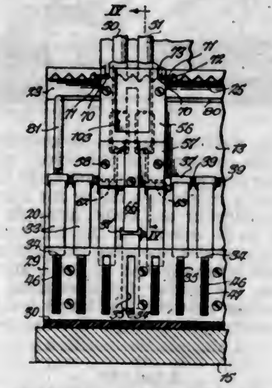
2,240,916
CABINET CONSTRUCTION
Vernon H. Springford and William Herbert Ellis, Evansville, Ind., assignors to Servel, Inc., New York, N. Y., a corporation of Delaware
Application January 23, 1933, Serial No. 653,121
3 Claims. (Cl. 220—9)

1. A refrigerator cabinet having a door and comprising spaced inner and outer metal shells, the edges of said inner and outer shells being spaced apart by and connected to a frame around an opening for said door, said frame comprising two separable sections, the inner shell being connected to a first one of said sections, and the outer shell being connected to the second one of said sections, said outer shell having an opening in the rear of the cabinet opposite said door opening and through which said inner shell and said first frame section may be moved to bring



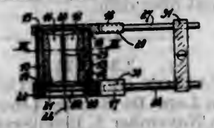
said first frame section into abutment against said second frame section upon assembly of the cabinet, and means independent of said frame for holding said inner shell within said outer shell so that said frame sections are retained in abutment.

2,240,917
ILLUMINATED SIGN
Louis R. Tschopp, Buffalo, N. Y.
Application December 3, 1938, Serial No. 243,827
4 Claims. (Cl. 40—130)



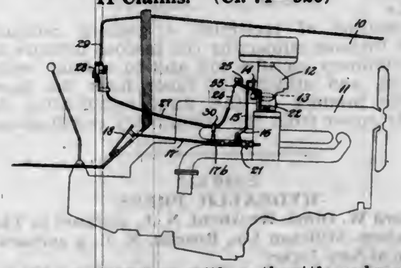
1. In an electrically illuminated sign, a channeled holder for interchangeable sign elements, sign elements comprising symbol portions and a mounting portion, said mounting portion having spaced electrical contacts and a projecting portion therebetween, and a longitudinally extending electrical conductor in said holder, said conductor comprising a continuous series of contacting sections, each section being yieldably mounted for movement into and out of contact with adjacent sections at each side thereof, whereby upon insertion of the mounting portion of a sign element into said channeled holder the projecting portion of the former is adapted to move a conductor section out of contact with adjacent sections and said spaced electrical contacts are adapted to contact said adjacent sections to establish electrical communication between said conductor and said sign element.

2,240,918
DEVICE TO CONVERT MECHANICAL VIBRATIONS INTO ELECTRICAL OSCILLATIONS
Roelof Vermeulen and Hermanus Stefanus Fuchs, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application June 18, 1938, Serial No. 214,608
In Germany July 28, 1937
8 Claims. (Cl. 179—100.41)



1. An electrical pickup device comprising means providing a magnetic circuit and including an air gap, a conductive element in said air gap, and a pair of conductive members supporting said element at spaced points therealong for movement in said air gap, said element having electrical connection with said members and extending through one of said members whereby to provide an extension adapted to cooperate with a phonograph record.

2,240,919
SPEED LIMITING MEANS
Andrew L. Weintraub and John Bordash, Bridgeport, Conn.
Application April 4, 1940, Serial No. 327,818
11 Claims. (Cl. 74—526)

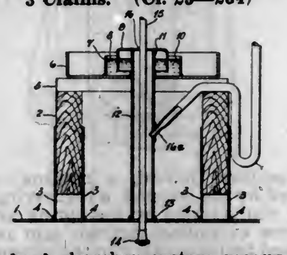


1. In combination with a throttle valve for a motor, of means for limiting the operation of said valve including an adjustable stop member, a flexible connector having one end connected to the stop member, and an adjusting means remote from said stop and connected to the other end of the flexible member for moving and positioning the stop to control the extent of movement of the throttle valve to limit the amount of fuel fed to the motor; and means for operating the throttle valve including a yieldable actuator whereby said means becomes normally ineffective to move the valve after the valve has been arrested by the stop member.

2,240,920
SULPHONATION OF ORGANIC COMPOUNDS
James Herbert Werntz, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 17, 1939, Serial No. 299,811
16 Claims. (Cl. 260—686)

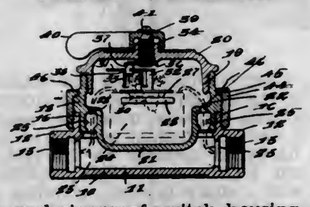
1. In the manufacture of organic sulphonates the method which comprises reacting at a temperature above 60° C. a salt of chlorosulphonic acid with a hydroxyl-free organic compound containing at least one non-benzenoid, carbon to carbon double bond.

2,240,921
CHEMICAL APPARATUS
Carl E. Anderson, Cranford, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 4, 1939, Serial No. 297,913
3 Claims. (Cl. 23—284)



1. In a lead chamber system means whereby access may be had to the interior of a lead chamber without egress of noxious fumes which comprises in combination with a wall of said chamber of an open ended tube provided with a removable closure and sealed in an aperture in said wall in a manner such that access may be had from the outside into the interior of the chamber, and fluid pressure curtain means for establishing a zone of pressure in said tube which is positive with respect to the operating pressure of said system.

2,240,922
EXPLOSIONPROOF SWITCH HOUSING
Carl H. Bissell, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application January 24, 1940, Serial No. 315,402
8 Claims. (Cl. 200—168)

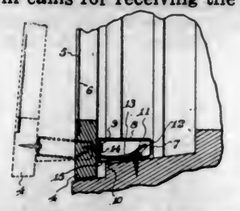


1. An explosionproof switch housing comprising a body formed with an opening in one side thereof, an externally threaded annular flange encircling said opening, a cup-shaped member arranged in the body with the bottom of said member arranged in spaced apart relation from the bottom of said body and having an externally threaded peripheral flange overlying said annular flange, a switch mounted in said cup-shaped member, a closure detachably secured to said cup-shaped member and being provided with switch operating mechanism, and an internally threaded collar encircling said flanges and being operable to detachably secure the cup-shaped member to said body.

2,240,923
CLOSURE LATCH AND GUARD
William J. Christie, Tulsa, Okla.
Application November 29, 1939, Serial No. 306,729
1 Claim. (Cl. 292—87)

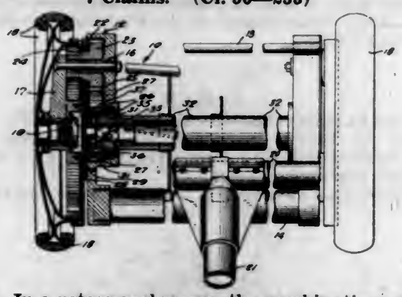
The combination with a window frame having ing a sill, a slidable sash within said frame and cooperating with the sill, a screen portion movable towards and away from the sill, of latching

means for said screen, said latching means comprising an apertured spring arm carried by the screen, a lug carried by the sill in the path of said spring keeper arm and forming means over which the spring arm cams for receiving the keeper lug



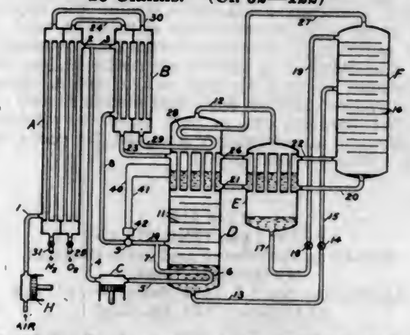
in the aperture thereof, a housing, an inner wall carried by the housing, a registering member with said wall carried by the spring arm and a single screw extending through said registering member and housing wall into the screen.

2,240,924
MOWER
Richard D. Clemson, Middletown, N. Y., assignor to Clemson Bros., Inc., Middletown, N. Y., a corporation of New York
Application April 11, 1939, Serial No. 267,226
7 Claims. (Cl. 56—253)



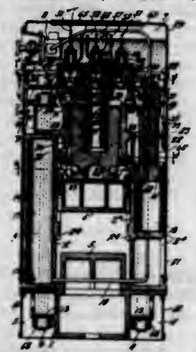
1. In a rotary reel mower the combination with the reel having a tubular axle, of a housing into which said axle projects, means for sealing the housing to the axle against passage of dust and water, a hardened member on the end of said tubular axle having a portion projecting into the tube with a sharp portion extending slightly beyond the inside radius of the tube implanted in the softer metal of the tube thereby giving mechanical engagement with the tube, said member having a recess in its end adapted to serve as one side of a ball-bearing race and an outer circular surface of which serves as one member of an over-running clutch, ball bearings in said race, a resilient sheet metal cover for said housing having a member thereon with a hard metal annular surface which parallels the surface of said recess and forms a complementary part of the ball-bearing race, said cover being formed tight against the housing and being resiliently sprung so that it exerts a resilient pressure on said bearing race member whereby to automatically take up play and wear in the bearing, a drive gear surrounding the outer clutch surface at the end of the reel axle, and provided with inner faces converging toward said clutch face and rollers therebetween to complete the over-running clutch, whereby said gear drives the reel in one direction only, and to hold said gear concentric with the shaft, a second gear meshing with and adapted to drive the first, a pivot for said second gear projecting into an opening in said cover, and means for clamping the cover to the housing, said cover having substantial lateral clearance with all adjacent parts excepting the pivot for said second gear, to which said cover is accurately fitted, whereby said cover, when released by said clamping means, may be adjusted arcuately about said pivot to raise or lower the respective end of the reel relative to said housing without affecting the meshing of said gears, and said clamping means being adapted to hold the adjustment during normal operation.

2,240,925
RECTIFICATION OF GASEOUS MIXTURES
William Lane De Baufre, Lincoln, Nebr.
Application November 2, 1936, Serial No. 108,913
16 Claims. (Cl. 62—122)



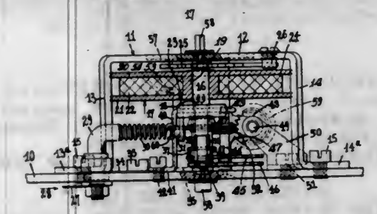
1. Method of rectifying a gaseous mixture which includes subjecting the gaseous mixture to a preliminary rectification and to a final rectification, and utilizing in vapor form the more volatile product of the final rectification to liquefy vapor from the preliminary rectification.

2,240,926
HYDRAULIC PRESS
Richard W. Dinzl, Westfield, N. J., assignor to The Watson-Stillman Co., Roselle, N. J., a corporation of New Jersey
Application April 1, 1938, Serial No. 199,430
4 Claims. (Cl. 100—50)



1. A hydraulic press structure comprising a transverse base member; two laterally spaced vertical columns mounted on said base member, each column being formed with a substantially flat inner face and a housing portion extending outwardly from said substantially flat face, one of said columns being formed with a vertical closed tank within the housing, the other of said columns being formed within the housing with a cylinder open at its upper end and connected at its lower end to the tank by a pipe; a transverse upper frame member mounted on the tops of said columns and formed with an opening registering with the open upper end of the cylinder within one of said columns, and with a vertical cylinder open at its lower end and disposed between the columns, the upper portion of said frame member forming the bottom of a surge tank; a ram operable in said cylinder and extending below the lower end thereof; a press head carried by the said ram at the lower end thereof; vertical guides on the inner flat faces of the columns; guides on the press head engaging the guides on the columns; a press head borne by the base member between the columns; a pair of strain rods extending vertically within each of the columns and anchored to the base member and the upper frame member, one of said pairs extending along and outside of the said column tank, the other of said pairs extending along and outside of the said column cylinder; means associated with said column cylinder to form therewith a hydraulic pressure accumulator; and means to deliver hydraulic pressure from said accumulator for movement of said ram.

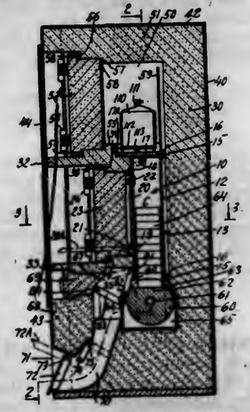
2,240,927
ELECTRIC BALANCE FOR CLOCKS, WATCHES, AND THE LIKE
John Geisslinger, Jamaica, N. Y.
Application May 27, 1938, Serial No. 210,295
3 Claims. (Cl. 58—28)



1. In an electric time piece, an oscillatable balance, comprising a shaft, a hairspring between said shaft and a stationary element, to cause said shaft to oscillate, a sleeve of magnetizable material secured on said shaft, two spaced apart identical flanges on said sleeve, a coil of insulated electro-conductive wires wound around said sleeve in the space between the two flanges, two oppositely placed members of quickly magnetized material stationarily secured adjacent to said flanges, and perpendicularly thereto, each being narrower than the diameter of said flanges, a marginal portion of said flanges opposite each perpendicular member being removed, said flanges being adapted to rock in the space between said members, means to pass an electric current through said coil, and means to intermittently break said current, said last mentioned means being controlled by the oscillation of the balance.

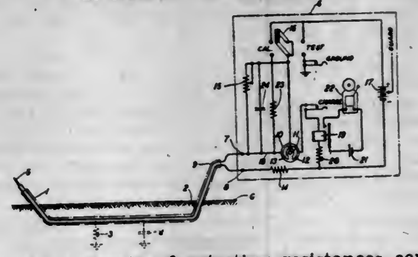
2,240,928
ICE CREAM VENDOR
William W. Hamel, Elizabeth, N. J., assignor to Laham Corporation, Wilmington, Del., a corporation of Delaware
Application May 27, 1938, Serial No. 210,381
6 Claims. (Cl. 312—36)

2. An ice cream vendor comprising a vertical refrigerated magazine, an ejector below the magazine, a discharge chute below and at one side of the ejector, a passage between the ejector and the upper end of the chute, a valve between the magazine and the upper end of the chute,



another valve in said passage spaced from the first mentioned valve, said valves being arranged to close said passage, and mechanism for actuating the ejector and said valves together.

2,240,929
TESTING APPARATUS
James B. Hays, Cambridge, Mass., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 22, 1939, Serial No. 305,682
10 Claims. (Cl. 175—183)



1. An apparatus for testing resistances comprising a source of direct current, a cold cathode tube having an anode, a cold cathode and an auxiliary electrode, means for connecting the resistance to be tested between said anode and said auxiliary electrode, an electrostatic capacity means connected between said anode and said auxiliary electrode, means associated with all three electrodes and said source adapted to make said tube responsive to a predetermined low value of said resistance, and signaling means interposed in the circuit of said cathode adapted to signal the response of said tube.

2,240,930
MOUNTING FOR PANELS
Lytle Gale Hunter, Flushing, N. Y., assignor to Hunter Sash Company, Inc., Flushing, N. Y., a corporation of New York
Application October 31, 1938, Serial No. 237,983
2 Claims. (Cl. 189—78)

1. In combination, a panel, a frame extending along an edge of said panel and having a recess disposed outwardly beyond said edge and also having a rear wall overlapping the edge portion

of the panel on the back thereof and a front wall spaced from the face of the panel, and a rubber strip having a head compressed between said front wall and the adjacent portion of the face of the panel to force the panel towards said rear wall and also having a foot engaging said edge and disposed in said recess and spaced from



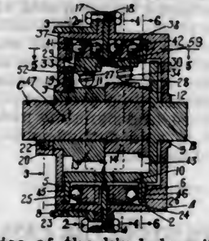
the outer wall thereof, the surfaces of said head and foot which engage said face and edge, respectively, normally making an acute angle with each other when out of contact with the panel by being forced away from each other by the panel, whereby said head and foot are pressed inwardly against said face and edge of the panel, respectively.

2,240,931
VIEW FINDER FOR AERIAL CAMERAS
Mark M. Hurd, Minneapolis, Minn., assignor to Mark Hurd Manufacturing Corporation, Minneapolis, Minn., a corporation of Minnesota
Application January 23, 1939, Serial No. 252,385
6 Claims. (Cl. 95—12.5)



1. View finding apparatus for a camera mounted on a member which is tiltable and also rotatable about the lens axis of said camera comprising, a lens supported from said member with its optical axis parallel to the lens axis of said camera and being so situated that vision therethrough to the scene viewed by the camera is unobstructed, a pair of relatively thin elongated elements associated with one face of said lens and supported at their ends from said member, said elements being so positioned and so arched away from said lens as to intersect at a point on the optical axis of said lens spaced from said lens, and structure providing a sighting point on said optical axis spaced from the intersection of said wires.

2,240,932
AUTOMATIC SHAFT BRAKE DEVICE
Vernon Kinser, Butterfield, Mo.
Application July 24, 1940, Serial No. 347,244
11 Claims. (Cl. 192—8)



1. In a device of the kind described, in combination, co-axial driving and driven shafts, automatic mechanism for restraining said driven shaft against torque-transmission to said drive shaft in either direction and, for effecting unrestrained torque-transmission from said drive shaft to said driven shaft in either direction, said mechanism including first and second rings mounted for limited revolution bodily about the co-axis of said drive and driven shafts, oppositely acting sets of torque-transmission elements operatively connected to said drive and driven shafts and, adapted for frictional co-operation respectively with said rings, oppositely acting means disposed for restricting the motion of said rings, braking means actuable responsively to torque-transmission by said oppositely acting means, and elements adapted to connect said braking means to said drive and driven shafts.

2,240,933
BODY WALL LINING COVERING AND CONNECTING DEVICE
Erwin Komenda, Stuttgart-Korntal, Germany, assignor to Dr. ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany
Application January 12, 1939, Serial No. 250,591
In Germany January 15, 1938
5 Claims. (Cl. 296—29)



1. In a vehicle, in combination, a first body wall, a second body wall having an edge spaced from and extending towards said first body wall at an angle thereto, an interior lining mounted on said first body wall and extending towards said second body wall, and a moulding of elastic material squeezed between and interconnecting the edge of said second body wall and said first body wall, said moulding having a projecting portion extending over a part of said lining.

2,240,934
MANUFACTURE OF BETA-DIKETONES
Charles J. Krister, Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 30, 1938, Serial No. 248,522
20 Claims. (Cl. 260—595)

1. The method which comprises condensing a methyl monoketone selected from the class consisting of methyl ethyl ketone and acetone and a fatty acid ester with metallic sodium while maintaining a reaction temperature above 25° C. throughout the entirety of the reaction.

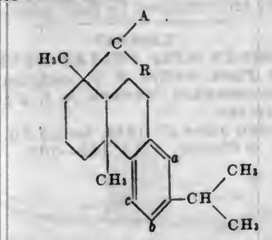
2,240,935
SULPHUR TRIOXIDE
Maurice Lepin, le Peage de Roussillon, France, assignor to Societe Rhodiaceta, Lyon, France, a corporation of France
No Drawing. Application March 18, 1939, Serial No. 262,636. In France March 21, 1938
10 Claims. (Cl. 23—250)

1. In a process for stabilizing sulphur trioxide so that it will remain liquid at ordinary temperatures, the step comprising adding sulphur trioxide to anhydrous acetic acid, the amount of the acetic acid being sufficient to stabilize the sulphur trioxide.

2,240,936
DEHYDROABIETIC ACID DERIVATIVES
Edwin R. Littmann, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 29, 1938, Serial No. 232,315
7 Claims. (Cl. 260—102)

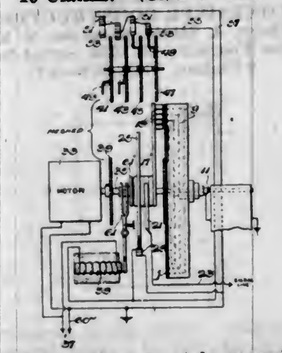
1. As new compositions of matter, compounds

derived from dehydroabietic acid having the following general formula:



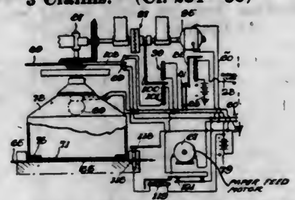
in which A is selected from the group consisting of O, S, H_2, NX, where X is selected from the group consisting of hydrogen and a monovalent organic radical; R is selected from the group consisting of OH, SH, O-metal, O-NH_4, halogen, OX, SX, NXX, where X is selected from the group consisting of hydrogen and a monovalent organic radical; and in which each of *a*, *b* and *c* is a substituent selected from the group consisting of hydrogen, NH_2 and NX_2, where X_2 is selected from the group consisting of a divalent organic radical, two monovalent organic radicals, and hydrogen and a monovalent organic radical, and in which no more than two of *a*, *b* and *c* are hydrogen.

2,240,937
RECORDING SYSTEM
Joseph Thomas McNaney, Baltimore, Md.
Application October 24, 1938, Serial No. 236,677
10 Claims. (Cl. 177—380)



1. In a system for remotely recording meter readings, a power line, a customer's meter including a normally de-energized synchronous motor one terminal of which is connected to ground and to one side of the power line, a switch having three superimposed blades, the lower blade of the switch being connected directly to the high side of the power line, the intermediate blade of the switch being connected to the other terminal of the motor, a further connection, including a switch, from the intermediate blade to the high side of the power line, the upper blade of the switch being connected to one terminal of a second motor, elsewhere disposed, the other terminal of which is grounded, a cam connected to the first mentioned motor for actuation thereby, the cam being provided with a notch below its periphery and a raised portion adjacent to the notch and the lower blade of the switch being provided with a cam follower, the cam follower normally resting in the notch, whereby when the switch interposed between the intermediate blade and the high side of the power line is closed, the first motor is momentarily energized, the follower rides up on the periphery of the cam to complete a "hold in" circuit for the said motor and, when the cam follower reaches the raised portion of the cam, the high side of the power line is connected through the winding of the second motor to ground and upon continued rotation of the motor, the cam follower drops into the notch to break the first referred to hold-in motor circuit.

2,240,938
RECORDING APPARATUS
Joseph T. McNaney, Baltimore, Md.
Original application October 24, 1938, Serial No. 236,677. Divided and this application March 3, 1939, Serial No. 259,655
3 Claims. (Cl. 234—58)



1. In apparatus of the type described, a light source, means for intermittently energizing said source in accordance with each of a train of electrical impulses representative of the reading of a meter, means for so supporting a strip of photosensitive material that it may be exposed to light from said source, an annular light-limiting element rotatably disposed between the source and the supporting means and lying in a plane substantially parallel to the plane of the material, the said element having at least one portion through which light may reach the material from the source, a synchronous motor, and means, responsive to the first impulse of a train of electrical impulses, for causing the application of torque to the light-limiting element from the motor.

2,240,939
BINDING AGENT FOR LINOLEUM
Abraham B. Miller, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 27, 1938, Serial No. 227,058
14 Claims. (Cl. 260—18)

1. The method of making a linoleum binding agent which comprises heating a mixture of a petroleum hydrocarbon-insoluble resin derived from pine wood and an oil selected from the class consisting of drying and semi-drying oils at a temperature between about 525° and about 590° F. until the composition attains a heavy sticky pitch-like consistency, and thereafter heating said composition with a small proportion of an aldehyde and an inorganic alkaline catalyst until it assumes an elastic gel structure.

2,240,940
ALUMINUM ALLOY
Joseph A. Nock, Jr., Tarentum, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 28, 1940, Serial No. 358,925
3 Claims. (Cl. 75—141)

1. A wrought, heat treated, and artificially

aged aluminum base alloy composed of from 4 to 6 per cent zinc, 0.75 to 2.5 per cent magnesium, 0.1 to 2 per cent copper, 0.1 to 1 per cent manganese, and at least one of the group of grain refining elements consisting of 0.02 to 0.25 per cent titanium, 0.005 to 0.1 per cent boron, 0.01 to 0.15 per cent zirconium, 0.02 to 0.25 per cent molybdenum, 0.02 to 0.2 per cent tungsten, 0.02 to 0.2 per cent cobalt, 0.05 to 0.5 per cent chromium, and 0.02 to 0.2 per cent vanadium, the balance being aluminum.

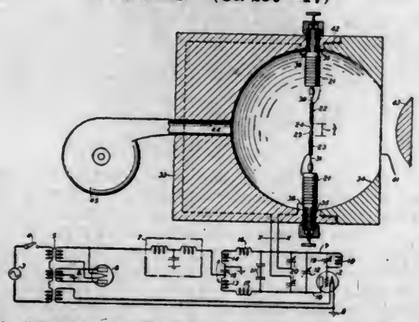
2,240,941

OSCILLATION SOURCE OF THE SPARK DISCHARGE GAP TYPE

Russell S. Ohl, Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 20, 1939, Serial No. 280,044

15 Claims. (Cl. 250—17)



1. An electric discharge gap having substantially linear electrodes of a few millimeters length, each electrode having a plane free end surface, the surfaces of the electrodes being juxtaposed in parallel relation with a gap separation of less than .001 millimeter, the plane end surfaces having minimum lateral dimensions of at least five hundred times that of the gap separation means for impressing between the electrodes periodic electromotive forces sufficient to exceed the breakdown voltage of the gap, and an electric wave reflecting system substantially surrounding the gap and apertured in a desired direction of transmission.

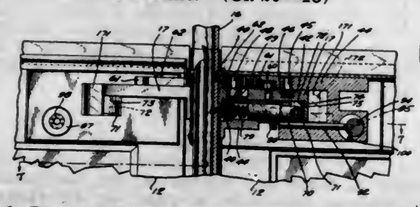
2,240,942

REVOLVING DOOR

Edmund Peremi, Manhasset, and Charles Kish, Elmhurst, N. Y., assignors to General Bronze Corporation, Long Island City, N. Y., a corporation of New York

Application June 4, 1938, Serial No. 211,716

13 Claims. (Cl. 20—18)



1. In a revolving door, a central column, a plurality of leaves pivotally mounted thereon, and means for yieldably retaining the said leaves in radial position comprising bolts mounted near the inner edges of the leaves and extending outwardly, spring means for urging said bolts outwardly, and keeper means fixed with relation to the column and engaged by said bolts.

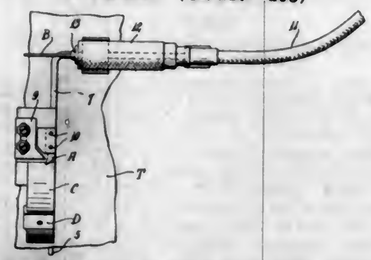
2,240,943

LEAD-IN WIRE PULLER DEVICE

Stephen A. Platt, Nutley, N. J., assignor to Wilbur B. Driver Company, Newark, N. J., a corporation of New Jersey

Application June 25, 1940, Serial No. 342,317

9 Claims. (Cl. 140—103)



1. The method of unrolling a plurality of coil turns adjacent the end of a coiled length of wire to obtain an uncoiled length of wire suitable for use as a lead-in wire for the said coil, which comprises securing the wire end of the last coil turn, inserting a rotating spindle within the coil end, and pulling the coil and spindle in a direction away from the secured end and in a direction substantially normal to the axes of the coil and spindle.

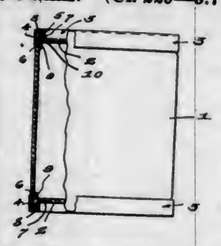
2,240,944

CONTAINER CONSTRUCTION

Harry A. Steele, Syracuse, N. Y.

Application February 15, 1938, Serial No. 190,636

2 Claims. (Cl. 229—5.7)



1. A container construction including a circumferential side wall of a paper board material and a head fitting in one end of the side wall, means for securing the head in position, the head being formed with an angular flange fitting into the side wall at one end thereof, and a ring, channel-shaped in cross section arranged astride the angular flange of the head and the adjacent margin of the side wall, the outer flange of the ring being of greater width than the inner flange, and said flanges having inturned marginal lips, the lips of the flanges being located out of transverse alinement and the lips of the flanges clinching the circumferential side wall and said angular flange, the inner flange clinching into the angular flange of the head of the angle of said flange and the body of the head.

2,240,945

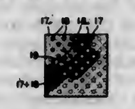
METHOD AND ARTICLE FOR PRODUCING SHADED DESIGNS

William Swaysland, Cleveland, Ohio

Application March 16, 1938, Serial No. 196,149

14 Claims. (Cl. 41—41)

12. The method of forming a sheet for photographic reproduction comprising covering an area of said sheet with a substance invisible to the eye and to the camera and capable of being developed to visibility, superimposing on portions of said area a protective coating leaving other portions of said area uncoated to form an invisible design there and capable of being developed to visibility, applying to said sheet a developer



adapted to develop to visibility said uncoated portions of said area, said developer having the property of dissolving and permeating said protective coating adjacent said uncoated portions, and varying the extent of said portions of said area developed to visibility by varying the time of application of said developer to permit more or less permeation of said protective coating adjacent said uncoated portions.

2,240,946

SCISSORS AND THE LIKE

George Vido, Newark, N. J.

Application March 6, 1940, Serial No. 322,593

11 Claims. (Cl. 30—260)



1. In a device of the class described having a pair of cooperating blades or jaws, means for pivotally connecting said blades or jaws together without the use of a pin or rivet, comprising a pair of complementary members, one for each blade or jaw and attached thereto, each member having a tongue and recess, the tongue being in a plane substantially parallel to the plane of its associated blade and adapted to fit into the recess of the other member when assembled therewith, so as to engage the tongue of said other member in overlapping relation for relative sliding rotation between said members to provide pivotal operating movement of the blades or jaws.

2,240,947

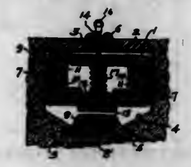
AIRPLANE LAUNCHING APPARATUS

Wallace E. Wilson, Wilkinsburg, Pa.

Application June 21, 1939, Serial No. 280,266

1 Claim. (Cl. 244—63)

In an airplane launching apparatus of the character described, the combination of a channel provided with a top, said top having a narrow slot extending throughout the length thereof, a pair of elevated ridges disposed on said top at respective sides of said slot, a pair of parallel extending track rails carried by respective side walls of said channel, a carriage mounted in said channel and including revoluble means engaging said track rails for shiftably supporting said carriage on the latter, said channel having a sloped bottom, a brake rail fixed in said channel bottom, a brake bar mounted in the bottom of said carriage and being projectible below the latter to engage said brake rail, a connecting rod inclining rearwardly from the vertical shiftably extended through said carriage and having its lower end fixed in said bar, said rod projecting through said slot and carrying a swivelled eye at the upper end thereof, a spring mounted on said rod and normally functioning to force said bar against said brake rail, a hitching device connecting with said eye and with the airplane,



and a power mechanism for actuating said carriage to accelerate the momentum of the airplane while the latter is travelling under its own power, the movement of said carriage when exerting a pull on said device disengaging said bar from said brake rail, said device embodying means for automatically effecting the release of the airplane therefrom when the speed of the latter exceeds the travelling movement of said carriage.

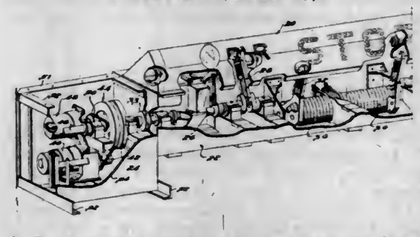
2,240,948

DRIVE MECHANISM FOR CROSSING PROTECTIVE SYSTEMS OR THE LIKE

James Moore Evans, Detroit, Mich., assignor to Grade Crossing Guard Corp., Memphis, Tenn., a corporation of Tennessee

Application November 9, 1936, Serial No. 109,941

9 Claims. (Cl. 39—6)



1. In a control system for a protective device embodying a retractable and projectable barrier provided with a motor operatively connected to said barrier and effective through unidirectional operation to project and retract said barrier, a circuit for said motor, a controller for said motor effective to complete said circuit to cause said motor to start in operation and actuate said barrier to a projected position, and to thereafter recomplete said circuit to cause said motor to actuate said barrier to a retracted position, and means including timing mechanism for interrupting said circuit for a predetermined interval during said projecting movement.

2,240,949

CRANKSHAFT CHUCK

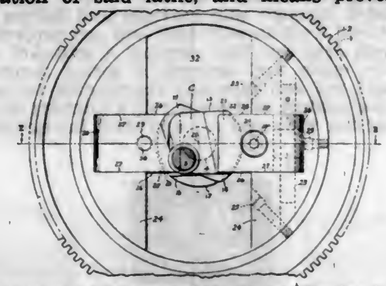
Willard L. Groene, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Application December 22, 1939, Serial No. 310,589

16 Claims. (Cl. 82—40)

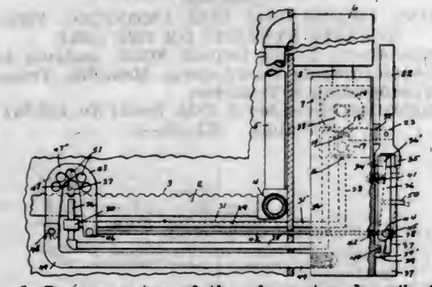
1. In a lathe, a pair of centers adapted to engage and prelocate a work piece on the axis of rotation of said lathe, a rotatable work spindle, work engaging members on said work spindle arranged to engage said prelocated work piece in a

direction substantially parallel to said axis of rotation of said lathe, and means preventing



movement of said members perpendicular to said axis of rotation.

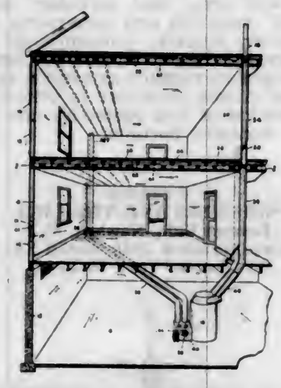
2,240,950
THERMOSTATIC FUEL CONTROL
Otto W. Hahn, San Francisco, Calif., assignor to Industrial Research Laboratories, Ltd., a corporation of Nevada
Original application July 25, 1932, Serial No. 624,505. Divided and this application December 17, 1934, Serial No. 757,866
8 Claims. (Cl. 158—117.1)



1. In apparatus of the character described, a pilot flame burner including a fuel feed line therefor, a main burner positioned to be ignited by the pilot flame, unitary manually operated means for successively turning on a fuel supply to said pilot burner and thereafter to the main burner, heat-controlled means normally locking said manually operated means from turning on the main burner fuel supply and released for manual operation by the heat of said pilot burner flame, and spring actuated valve means rendered operative by said heat-controlled means upon failure of said pilot flame automatically closing off both the pilot and the main burner fuel supply, a separate running flame gas igniter tube extending to the pilot for igniting the same, and a valve controlling both igniter tube and pilot fuel feed, a second fuel feed to said pilot arranged to be opened and closed concurrently with the opening and closing of the fuel supply to the main burner.

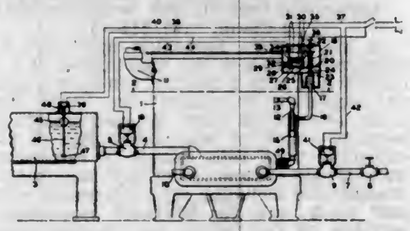
2,240,951
HEATING SYSTEM FOR BUILDINGS
Paul W. Hamjy, Utica, N. Y., assignor to International Heater Company, Utica, N. Y., a corporation of New York
Application October 26, 1939, Serial No. 301,313
18 Claims. (Cl. 237—1)

1. In a building construction, the combination of spaced joists, an imperforate sheet of material secured to said joists and closing at their bottoms the spaces between said joists, a layer of heat insulating material resting on said sheet of imperforate material and extending laterally from joist to joist, spaced parallel spacing strips depending from said sheet material, and forming the sides of a series of air passages extending in one direction across the ceiling, the said spacing strips terminating at their ends away from the adjacent edges of the ceiling and thereby forming at one side of the room a delivery manifold for conducting the air to said air passages and forming at the other side of the room a return manifold collecting the air from that end of the air passages, an ascending delivery stack for delivering warmed air to the delivery manifold,



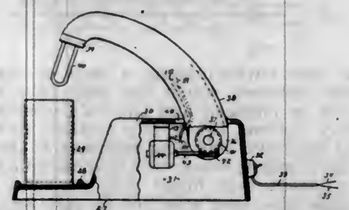
a descending conduit for conveying the air downward from the return manifold, and a ceiling of heat-conducting material secured to the lower edges of said spacing strips and closing the bottoms of said air passages and said manifolds, and from which ceiling the heat is radiated downwardly to the room below, an apertured control strip interposed between the delivery manifold and the adjacent inlet ends of the air passages, the apertures of said strip increasing in size as the strip extends away from the ascending delivery stack, means for forcing warmed air to said distributing manifold and means for conducting the air from the return manifold.

2,240,952
AUTOMATIC CONTROL OF THE LIQUID LEVEL FOR EVAPORATORS
Russell A. Hetzer, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application June 30, 1938, Serial No. 216,772
3 Claims. (Cl. 122—448)



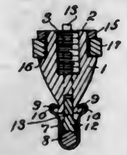
1. Apparatus of the class described comprising a supply tank containing a liquid to be vaporized, an evaporation chamber for said liquid, a source of heating medium for vaporizing said liquid, communicating means between said tank and said chamber, means responsive to the fall of the liquid surface in said chamber to a predetermined level during vaporization for automatically supplying liquid from said supply tank to said chamber, means responsive to the rise of the surface of the liquid in said evaporator to a predetermined level for supplying said heating medium to vaporize the liquid in said evaporator, and means responsive at a predetermined low level of the surface of the liquid in said supply tank for preventing a supply of heating medium to said vaporizing means.

2,240,953
APPARATUS FOR MULLING BEVERAGES
Stanley J. Kaye, Cleveland, Ohio
Application February 27, 1939, Serial No. 258,679
4 Claims. (Cl. 219—41)



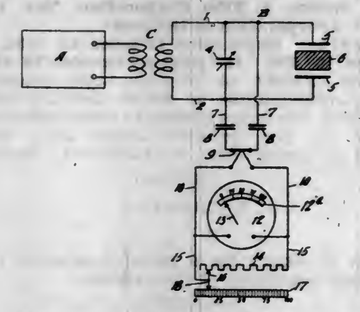
1. In a beverage mulling apparatus, a main base formed to rest upon a bar or the like, a head reciprocably supported on the frame and carrying a downwardly projected electrical resistance heating element at sufficient elevation to permit a beverage container to be moved laterally to dispose it under and remove it from under the element, power means to reciprocate the head to move the element downwardly and upwardly, an electric circuit to heat the element, and means to time the heating current.

2,240,954
TROLLEY EAR
James E. Maloney, Frederick R. Burkhardt, and William H. Hull, Kansas City, Mo.
Application January 27, 1940, Serial No. 315,964
3 Claims. (Cl. 191—43)



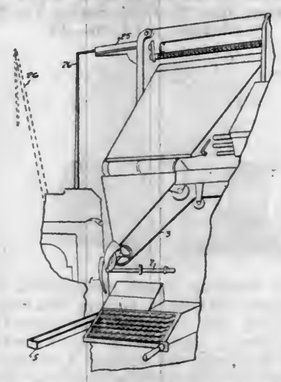
1. In a trolley ear adapted for suspension from a trolley wire hanger, in combination, a supporting member having means adapted for suspending engagement with a trolley wire hanger, a channel member having means for being detachably supported by said supporting member and adapted to receive longitudinally therethrough and support a trolley wire, a clamping member vertically movable in said channel member and adapted to bear upon the upper side of the trolley wire and hold the latter clamped against said channel member, and a nut having threaded engagement with said clamping member and rotatable on and held from relative vertical movement by said supporting member.

2,240,955
HIGH FREQUENCY WATTMETER
Eugen Mittelmann, Vienna, Germany
Application April 22, 1938, Serial No. 203,661
In Austria April 26, 1937
4 Claims. (Cl. 171—95)



4. The method of indicating upon an electrical measuring instrument the power absorbed by a load in a high frequency output circuit, including the steps of impressing upon the instrument a voltage proportional to the square of the resonant no-load voltage of the circuit, inserting the load into the circuit and thereby adding an equivalent loss conductance into the circuit to cause a damping of the voltage therein to make a corresponding change in the voltage impressed on the instrument, and then adjusting the sensitivity of said instrument so as to render the same proportional to the equivalent loss conductance inserted into said circuit by said load; said instrument thereby reading a quantity proportional to the value of the power absorbed.

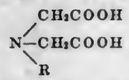
2,240,956
MATRIX CHANGING DEVICE
James Earl Morgan, Portland, Oreg.
Application December 27, 1937, Serial No. 181,845
Renewed October 3, 1939
8 Claims. (Cl. 199—14)



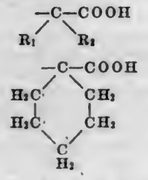
1. Matrix changing devices for a Linotype machine, comprising, in combination, a spiral chute, an orifice in said chute for receiving matrices from the star wheel of the matrix delivery belt, a storage receptacle for said matrices, and a matrix transfer box disposed intermediate said chute and said receptacle for receiving matrices from said chute and loading them into said receptacle, said receptacle releasably engaging said matrix transfer box for ready removal therefrom.

2,240,957
PROCESS FOR AVOIDING AND RENDERING HARMLESS THE PRECIPITATES OF WATER INSOLUBLE METAL SALTS
Ferdinand Münz, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 22, 1936, Serial No. 107,020. In Germany October 30, 1935

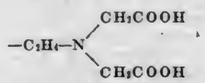
3. The process of avoiding and rendering harmless precipitates of water insoluble metal salts which comprises adding to water containing salts of di- and trivalent metals alkali metal salts of carboxylic acids of the general formula:



wherein R stands for a member selected from the group consisting of the radicles

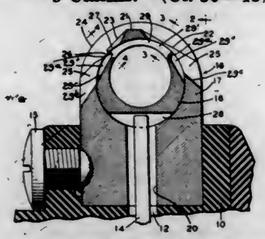


and



R_1 standing for a member of the group consisting of hydrogen, alkyl and phenyl and R_2 standing for a member of the group consisting of hydrogen and alkyl.

2,240,958
DRY SHAVER
James Henry Rand, Jr., Stamford, Conn., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application May 28, 1938, Serial No. 210,684
5 Claims. (Cl. 30—43)



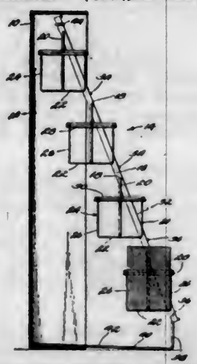
4. A dry shaving head comprising an outer cutter member having a curved shaving section, a longitudinal bar forming the central portion of said section, a plurality of blunt cutting teeth projecting laterally in spaced parallel relation from one side of said longitudinal bar toward one side of said section, said side of said section having portions thereof projecting toward the ends of said teeth and terminating in spaced relation thereto, said projecting portions from said one side and said teeth having flat outer surfaces lying in a plane extending in inclined relation to said side and intersecting said longitudinal bar, said longitudinal bar, teeth and said projecting portions having a continuous inner partially cylindrical surface, and an inner cutter member having a plurality of spaced parallel transverse cutter bars formed with a partially cylindrical outer surface engaging said inner partially cylindrical surface for cutting cooperation between said cutter bars and said teeth in reciprocation of one of said members relative to the other, said cutter bars terminating in spaced relation inwardly of the ends of said teeth and said inner cutter member having a longitudinal channel formed therein at the ends of said cutter bars to space adjacent portions of said inner cutter member from the ends of said teeth and said projecting portions on said side.

2,240,959
HAIR CURLER
William H. Schmitt, St. Paul, Minn.
Application May 6, 1939, Serial No. 272,193
5 Claims. (Cl. 132—41)



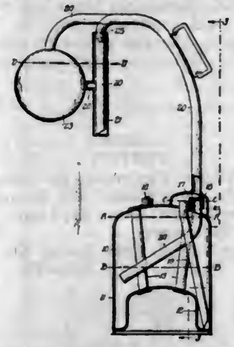
1. A hair curler having a pair of clamping members between which the ends of a lock of hair can be engaged and the hair wound about the body thereof, finger grip portions forming a part of both said clamping members at their rear ends, pivot means connecting said clamping members adjacent said finger grip portions, and a swingable wire loop attached to said finger grip portions of said curler having lump means engaging said members between their point of attachment and said pivot means for locking said loop extending longitudinally and centrally over the clamping ends of said curler.

2,240,960
COLLAPSIBLE DISPLAY STAND
Edward H. Sherwood, Chicago, Ill.
Application March 24, 1938, Serial No. 197,776
2 Claims. (Cl. 211—130)



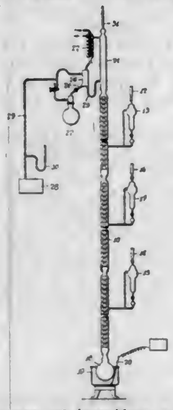
1. In a combined container and display stand including a display frame pivotally secured to said container for swinging movement into and out of operative position; said display frame including a pair of elongated frame members having their upper ends pivotally secured to said container, a plurality of display trays pivotally carried by said frame members between the same, and a lever resting on a support to form a larger base, to prevent tipping of the container for supporting said frame, said lever comprising a substantially U-shaped member having its free ends pivotally secured to the lower ends of said frame members, at least portions of the legs of said lever being adapted to be engaged by opposed wall portions of said container to maintain said free ends of said legs in pivotal engagement with said frame.

2,240,961
PORTABLE REFRIGERATOR DEVICE
Clarence T. Sorensen, Belding, Mich.
Application March 1, 1937, Serial No. 128,373
9 Claims. (Cl. 62—120)



1. In a refrigerating device of the class described, the combination with a generator-absorber, an evaporator, and a condenser in communication with said evaporator, of a vapor delivery pipe between the generator-absorber and the condenser, a vapor return pipe between the evaporator and the generator-absorber, and a connection between the vapor return pipe and the condenser for balancing the pressure in the vapor return pipe and the condenser.

2,240,962
SEPARATION OF ORTHO AND PARA CHLORTOLUENES
Philip D. Hammond, Metuchen, and Robert W. Harris, Raritan Township, Middlesex County, N. J., assignors to Heyden Chemical Corporation, New York, N. Y., a corporation of New York
Application September 10, 1938, Serial No. 229,340
9 Claims. (Cl. 202—41)



1. The process of treating a mixture of about 60% ortho monochlortoluene and about 40% para monochlortoluene to separate at least one of said ingredients of said mixture substantially free from the other ingredient, which includes continuously distilling the mixture in a column still having the equivalent of at least 45 plates under an applied pressure of not exceeding 200 mm. absolute, and with a reflux ratio of not less than 12½:1.

2,240,963
LIGHTWEIGHT SYNTHETIC STONE AND PROCESS OF MAKING IT
John W. Swezey and Paul W. Jones, La Fayette, Ind., assignors to Rostone Corporation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application May 6, 1938, Serial No. 206,472
7 Claims. (Cl. 18—47.5)

1. The process of making a lightweight synthetic stone, which consists in making an intimate mixture of the following ingredients:

(*a*) Pulverized argillaceous material that contains at least 50% of alumino-silicic acids and not in excess of 20% free silica	100 parts by weight
(*b*) Pulverized alkaline-earth base	20 to 125 parts by weight
(*c*) Water	75% to 400% of *a* and *b* together,

to form a thin slurry, with the solid ingredients used in that slurry including the volatile matter that might be driven off by calcination, immediately after said mixing and prior to any appreciable setting of the mixture, pouring said slurry into molds to produce the desired shapes, subjecting the molds containing the slurry to a single-stage induration in which the temperature is raised to at least the boiling point of water but the water is prevented from leaving the slurry and during which the slurry is kept free from any stirring that would destroy internal structure, and after induration has been produced subjecting the hardened shapes to drying to drive off the entrapped water and leave a microscopically honeycombed lightweight solid.

2,240,964
SOLVENT AND PROCESS FOR DEWAXING MINERAL OILS
Sijbren Tijmstra, Berkeley, and Donald S. McKittrick, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Original application July 17, 1934, Serial No. 735,626. Divided and this application October 23, 1939, Serial No. 300,802
5 Claims. (Cl. 196—18)

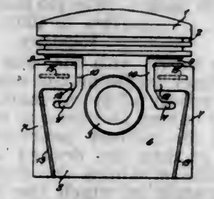
2. A process for dewaxing mineral oils which comprises mixing said oil with nitromethane, chilling the resulting mixture to precipitate wax, and removing the precipitated wax from the oil-solvent mixture.

2,240,965
PROCESS FOR PRODUCTION OF NITROGEN-SUBSTITUTED AMINO METHYLENE KETONES
Johannes Andreas van Melsen, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 27, 1939, Serial No. 276,220. In the Netherlands May 31, 1938
11 Claims. (Cl. 260—584)

11. In a process for the production of N-sub-

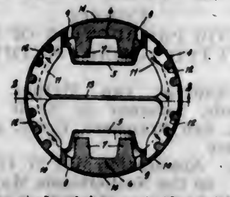
stituted amino methylene ketone containing at least one hydrocarbon radical as the substituent linked directly to the nitrogen atom consisting of first reacting together a ketone containing at least two hydrogen atoms linked directly to a carbon atom contiguous to the carbonyl group, a formic acid ester, and a reagent selected from the group consisting of alkali metals and alkali metal alkoxides, and subsequently reacting the resulting alkali metal salt of the hydroxy methylene ketone with an inorganic salt of an amine containing at least one replaceable hydrogen atom linked to the nitrogen atom, the step which comprises treating the reaction mixture from said first reaction, per se, without separation or removal of any constituents therein, with said salt of the amine.

2,240,966
PISTON
William M. Venner, Richmond Heights, and Percy L. Bowser, Jr., University City, Mo., assignors to The Sterling Corporation, St. Louis, Mo., a corporation of Delaware
Application October 12, 1939, Serial No. 299,050
11 Claims. (Cl. 309—13)



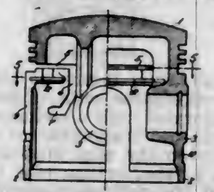
1. A light-metal piston of the character described, having a head, wrist-pin bearings rigidly connected with said head, a skirt connected with said bearings but having a cylinder-engaging portion separated from said head in the region between said bearings, said cylinder-engaging portion having upper side corners free of said pin bearings so as to be flexible relatively thereto, and a control element of a material having a lower rate of thermal expansion than the piston metal, cast into and interlocked with said cylinder-engaging portion so as to extend circumferentially along and within the upper part thereof toward said side corners, the upper part of said cylinder-engaging portion and said control element forming a bi-metallic structure thermostatically controlling the expansion of said side corners.

2,240,967
PISTON
William M. Venner, Richmond Heights, and Percy L. Bowser, Jr., University City, Mo., assignors to The Sterling Corporation, St. Louis, Mo., a corporation of Delaware
Application March 11, 1940, Serial No. 323,326
10 Claims. (Cl. 309—13)



1. A light-metal piston of the character described, having a head, wrist pin bearings connected with said head, a skirt connected with said bearings but having a cylinder-bearing portion separated from said head in the region between said bearings, a control element of a material having a lower rate of thermal expansion than the piston metal cast into said cylinder-bearing portion so as to extend circumferentially along and within the upper part thereof but terminating near the lateral limits of said bearing portion in order to form therewith a bimetallic member, and a second control element having a lower rate of thermal expansion than the piston metal connected to said separated portion of the skirt near the middle thereof and extending radially inwardly from said connection and anchored at its other end.

2,240,968
PISTON
William M. Venner, Richmond Heights, and Percy L. Bowser, Jr., University City, Mo., assignors to The Sterling Corporation, St. Louis, Mo., a corporation of Delaware
Application July 3, 1940, Serial No. 343,718
5 Claims. (Cl. 309—13)



1. A light metal piston of the character described, comprising, a head, a skirt, wrist pin bearings connected with said head and said skirt, said skirt having a cylinder-engaging portion separated from said head and constructed to flex inwardly in the regions of said bearings, and an element having a rate of expansion lower than, extending circumferentially inside of and attached to, said cylinder-engaging portion, adapted to flex said portion inwardly in said regions thermostatically, said cylinder-engaging portion having a slot extending from the head toward the end of the skirt.

2,240,969
PERTUSSIS TOXIN AND TOXOID
Edwin F. Voigt, Pearl River, and Sara W. Phillips, Spring Valley, N. Y., assignors to Lederle Laboratories, Inc., Pearl River, N. Y., a corporation of Delaware
No Drawing. Application August 19, 1937, Serial No. 159,912
4 Claims. (Cl. 167—78)

1. The process which comprises growing cultures of pertussis bacilli in soluble-starch broth for a period of about 48 hours at a temperature of 37° C. and under an atmosphere containing about 1 part by volume of carbon dioxide and about 4 parts by volume of oxygen, separating the bacteria from the broth by filtration and adding a preservative to the filtrate which is then suitable for use as a toxin.

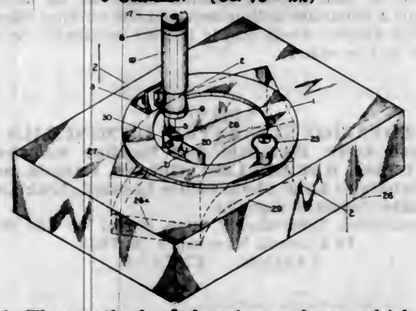
2,240,970
VINE LIFTER
Clemenes A. Warnke, Grand Rapids, Mich.
Application September 28, 1939, Serial No. 296,997
10 Claims. (Cl. 56—312)

1. A vine lifting device for a mowing machine comprising means movable longitudinally of a row of vines for lifting said vines from the ground and vertically and transversely swinging



resilient means for holding the vines above the ground until after they have passed over a cutting blade.

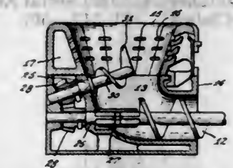
2,240,971
METHOD AND APPARATUS FOR SPREADING POWDERED MATERIAL
Samuel K. Wellman, Cleveland Heights, Ohio, assignor to The S. K. Wellman Company, Cleveland, Ohio, a corporation of Ohio
Application March 1, 1939, Serial No. 259,237
9 Claims. (Cl. 75—22)



1. The method of forming a layer which is composed of a mixture of loose, dry, free-flowing, non-plastic powder materials having a tendency to become segregated and stratified while being handled in a loose condition, and which may be compressed into a compact and coherent body free from defects resulting from segregation, stratification and variations in density, said method comprising the steps of disposing a quantity of said powder mixture upon the supporting surface on which it is to be spread into a layer and subsequently compressed; contacting said supporting surface with the bottom of a spreader; relatively laterally advancing the spreader and the powder mixture over the surface in front of the said spreader while maintaining the spreader in contact with the surface to churn the powder mixture while preventing the formation of a layer of powder behind the spreader; thereafter relatively laterally advancing the powder over said surface in front of said spreader while gradually raising the spreader upwardly to space it above the surface, thereby continuing the churning of the mixture and forming a gradually thickening unconsolidated layer of homogeneous powder mixture upon said surface and concurrently gradually decreasing the quantity of powder maintained in a state of turbulence in front of said spreader; and continuing to relatively advance the spreader and the gradually decreasing body of powder over the surface until the powder has all been spread thereupon into a layer of substantially uniform thickness.

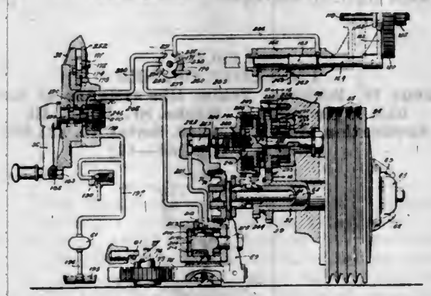
2,240,972
STOKER
Herman E. Winkler and Carl J. Winkler, Lebanon, Ind., assignors to U. S. Machine Corporation, Lebanon, Ind., a corporation of Indiana
Application March 17, 1938, Serial No. 196,321
3 Claims. (Cl. 110—45)

1. In a stoker having a generally horizontal feed pipe communicating with the bottom of an upwardly opening burner and containing a rotatable feed screw, said burner having tuyères in its side walls, an auxiliary screw rotatably mounted in the rear wall of said burner below said tuyères on an axis generally perpendicular



to such rear burner-wall, and gearing interconnecting said two screws, said auxiliary screw projecting forwardly toward the center of the burner and being of such a hand as to produce within the burner continuous movement of fuel from the vicinity of the rear burner-wall toward the center of the burner.

2,240,973
MACHINE TOOL STRUCTURE AND CONTROL MECHANISM
Joseph B. Armitage, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application June 5, 1937, Serial No. 146,581
48 Claims. (Cl. 90—18)



1. In a transmission mechanism, the combination with a manually operated speed changing device and a power operated speed changing device arranged in series relationship, of a manually actuated control element connected to shift said manually operated speed changing device and operative to pre-select the mode of operation of said power operated speed changing device, means associated with said control element and operative to prevent actuation of said power operated speed changing device while said manually operated speed changing device is being shifted, and means associated with said control element and effective to actuate said power operated speed changing device in accordance with the pre-selected mode of operation upon completion of shifting movement of said control element.

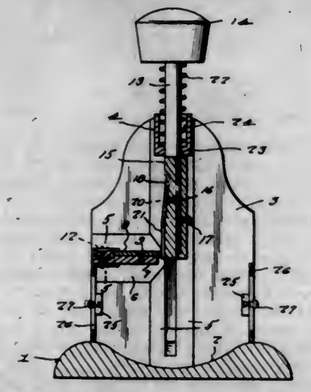
46. In a machine tool having an adjustable rate changing power transmission mechanism, the combination with main driving means selectively engageable to drive said mechanism at normal operating speed, of an auxiliary slow speed driving means engageable automatically upon disengagement of said main driving means and operative as to brake to reduce the speed of said transmission mechanism quickly to a low rate adapted to facilitate adjustment of said mechanism.

2,240,974
HOLDER FOR PAPER SHEETS
Frank Coffey Armstrong, Larchmont, and Karl Kittson Van Meter, Bayside, N. Y., assignors to American Telephone and Telegraph Company, a corporation of New York
Application October 14, 1939, Serial No. 299,566
2 Claims. (Cl. 312—50)



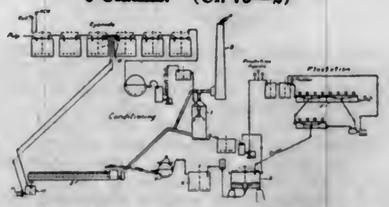
1. A casing having a rear face adapted to be attached to a supporting wall, a front face having inwardly directed flanges forming a border for a sight-opening, a compartment formed between said faces and end walls for holding paper sheets, said sight-opening being of lesser dimensions than the area of the paper sheets contained in said compartment, said casing also having a slot in its upper front portion above the sight-opening for permitting the insertion of paper sheets into said compartment, and retaining means extending into said slot to form stops for the upper edges of the paper sheets and tending to prevent the ready withdrawal of the sheets through the slot.

2,240,975
ENVELOPE OPENER
Jabus W. Barbour, Pekin, Ill., assignor of one-half to Rudolph W. Haake, Sr., Pekin, Ill.
Application March 14, 1940, Serial No. 323,992
1 Claim. (Cl. 164—47)



In an envelope opener, vertical spaced, opposed side members, a horizontal envelope supporting platform mounted between said members for adjustment in a horizontal plane, a relatively fixed knife mounted on said platform with its cutting edge projecting therebeyond, a combined envelope abutting and knife carrying plate slidable vertically between the opposed faces of the side members for limiting the distance an envelope may be extended beyond the cutting edge of said knife on the platform, a knife mounted on said plate above the lower edge thereof, the cutting edge of the second named knife being in spaced relation to said plate for coaction with the first named knife for cutting off the portion of the envelope which projects beyond the cutting edge of said first named knife against said plate, a spring influenced hand operated means connected to the plate and normally urging said plate upwardly to position the second named knife in non-cutting position above the first named knife with the portion of the plate below said second named knife in place to be abutted by the envelope placed on the platform, means mounted on the side members for guiding and supporting said operating means and for limiting the upward movement of the plate to maintain the lower portion thereof in position to be engaged by the envelope placed on the platform, and vertical gauge ribs on said plate between the lower edge thereof and the cutting edge of the second named knife for spacing the cutting edge of the first named knife, when engaged therewith, out of the path of said second named knife and in such relation to the movement of said second named knife as to bring about a shearing action between the cutting edges of the knives when one is moved vertically relative to the other.

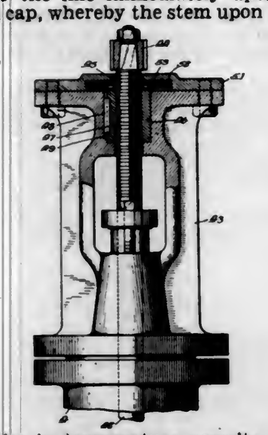
2,240,976
FLOTATION SEPARATION OF MINERALS
Alfred Leslie Blomfield and Bunting Snowball Crocker, Kirkland Lake, Ontario, Canada, assignors to Lake Shore Mines Limited, Kirkland Lake, Ontario, Canada
Application November 8, 1940, Serial No. 364,780
In Canada November 28, 1938
6 Claims. (Cl. 75—2)



1. A method of recovering values from ore products which includes successively cyanide treatment, concentration of the cyanide tailings by flotation, and roasting of the concentrates, characterized in that the pulp formed from the cyanide tailings for flotation is treated with the gases formed by roasting the flotation concentrates.

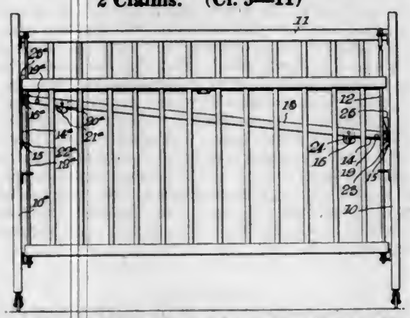
2,240,977
VALVE
Corwin W. Bryant, Downers Grove, and David Rosenston, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application November 24, 1939, Serial No. 305,860
2 Claims. (Cl. 74—424.8)

1. In a valve, actuating means having a screw-threaded reciprocating operating stem, a yoke for the said stem, the said yoke having a cylindrically walled recess, a cap fixedly secured to the yoke substantially closing the upper portion of the recess, a sleeve in the said recess, the said sleeve comprising a hollow internally threaded member in threaded engagement with the said stem, the peripheral surface of the said sleeve fitting loosely in the said recess, locking means between the said sleeve and the said recess wall for the prevention of rotational movement of the said sleeve, resilient means above the said yoke cooperating with the said sleeve and bearing against a lower surface portion of the said cap, the said resilient means being accessible for inspection or the like immediately upon removal of the said cap, whereby the stem upon expansion



due to a rise in temperature permits movement of the sleeve longitudinally within the recess.

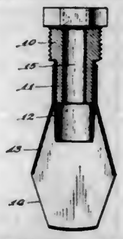
2,240,978
CHILD'S BED
Roman B. Bukolt, Stevens Point, Wis.
Application June 27, 1940, Serial No. 342,808
2 Claims. (Cl. 5—11)



1. In a bed, an end member, a mattress-carrying frame having an end near said end member, two vertically swingable arms pivoted to said end member on alined axes extending transversely of the bed, whereby the arms swing in vertical planes adjacent the outer sides of the mattress-carrying frame, and a rod extending between and secured to said arms in spaced parallel relation with said axes, said frame end being provided with means to receive said rod when said arms occupy a substantially vertical position, said frame being provided with notches opening toward said frame end to receive said rod when said arms are substantially horizontal, said frame sides having lateral lugs to lie upon said arms when said arms are substantially horizontal and said rod in said notches.

2,240,979
VALVE
John A. Byers, Chicago, Ill., assignor to James B. Clow & Sons, Chicago, Ill., a corporation of Illinois
Application March 11, 1938, Serial No. 195,241
1 Claim. (Cl. 251—122)

A valve comprising a substantially flattened resilient bag member having slits at one end and an opening at the other end, a tubular fitting extending through said opening in coaxial relationship to said bag member, and a reinforcing member interposed between said bag member and said fitting, said reinforcing member com-



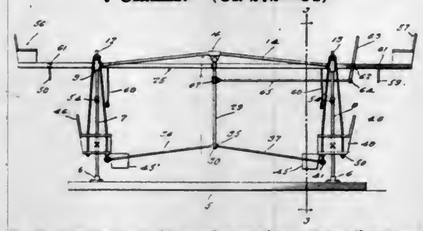
prising a tube of resilient material fitted over the end of said fitting, extending into said bag member and projecting beyond said end of the fitting for a substantial distance, the extended end portion of said tube having a tapered edge.

2,240,980
THERMOMETER SUPPORT
John T. Carlson, Dayton, Ohio, assignor to The Master Electric Company, Dayton, Ohio, a corporation of Ohio
Application June 1, 1938, Serial No. 211,213
11 Claims. (Cl. 73—376)



8. In a mount for an indicator tube, a slotted unit bearing a series of graduations adjacent the slot thereof, guide flanges formed by rearwardly and outwardly turning the longitudinal margins of the slot, a channelled slide with which an indicator tube is engageable, inturned marginal flanges thereon slidingly engaging the guide flanges of the unit under inherent spring tension of the slide to retain the tube in adjusted relation with the unit for observation through the slot thereof.

2,240,981
COMBINED SEESAW AND SWING
Jesse James Carter, Bowling Green, Ky.
Application June 3, 1939, Serial No. 277,287
7 Claims. (Cl. 272—54)



1. A device of the character described comprising a base, pairs of swing supports rising from opposite end portions of said base, laterally outwardly projecting swing arms on the upper part of said swing supports, individual swings

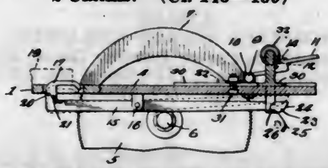
suspended from said swing arms, a middle member located between said pairs of swing supports, means supportably and swingably engaging the upper part of said middle member and extending between the upper ends of the respective swing supports and said middle member, and pairs of connecting rods pivotally connected at their longitudinally inward ends to the lower part of said middle member and at their longitudinally outward ends to the respective individual swings, whereby said individual swings and said middle member operate in unison.

2,240,982
METHOD OF MAKING DOBBY CORD TERMINALS
Breckinridge T. Clark, Danielson, Conn., assignor to E. H. Jacobs Mfg. Co., Inc., Danielson, Conn., a corporation of Connecticut
Application June 22, 1939, Serial No. 280,509
3 Claims. (Cl. 29—170)



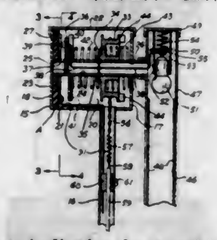
1. The improved process of making a dobby cord with a hardened metal terminal on an end, said cord comprising a reinforcing wire core and an encircling textile sheath, which consists in removing a part of the sheath from the end exposing the wire core, providing an eyelet member of hardened metal, having a plurality of separate shank portions, assembling said eyelet and cord and thus prepared by telescoping the shank portions about the exposed wire and in contact with said wire, leaving said wire exposed between said separate shank portions, and thereupon bonding the shank and wire by applying molten metal under pressure on the outside of both the shanks and exposed wire portions.

2,240,983
SAFETY SAW GUARD
Harold Conine, Pine Valley, Okla.
Application November 7, 1939, Serial No. 303,266
2 Claims. (Cl. 143—159)



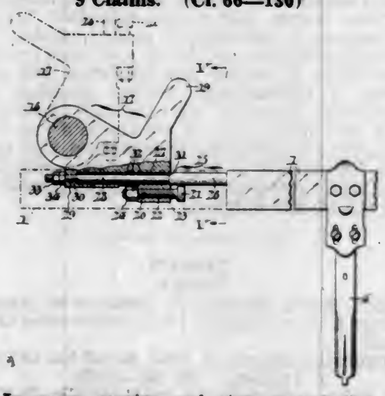
1. In a wood sawing machine, a table, a feed slide mounted for reciprocation with respect to the table, a saw associated with the table, a saw guard hingedly mounted on the table, elements carried by the guard and by the slide and engaging to swing the guard away from the saw when the slide is advanced, and a latch means comprising a part on the table and a part on the slide, said parts interengaging to stop the advance of the slide before the guard has been swung as aforesaid, the table-carried part of the latch means being accessible to material placed on the table, to release the latch parts and permit a further advance of the slide.

2,240,984
DIRECTION INDICATOR
Wilfred Hilaire Desaulniers and Bernard Joseph Desaulniers, Vancouver, British Columbia, Canada
Application September 10, 1938, Serial No. 229,382
In Canada September 13, 1937
3 Claims. (Cl. 177—327)



1. A direction indicator for a vehicle including in combination a signal element comprising a casing mounted on a standard secured to the vehicle, a hollow shaft extending longitudinally of and beyond the casing, an indicator arm fixed to the outer end of the shaft, said arm normally resting in a neutral position, means for rotating the shaft and indicator arm into different signal positions, means for returning the arm to its neutral position, an insulated arm extending outwardly from within the hollow shaft through a slot formed therein, said arm being adapted to carry adjacent its outer end the end of an electric conductor, a contact formed on the end of the conductor, said conductor extending into and along the hollow shaft into the indicator arm and being connected to illuminating means in said arm, an arcuate contact plate mounted in the casing having a space between its free ends, said contact plate being connected to a circuit in the vehicle, and means for urging the insulated arm and the contact of the conductor along the shaft to bring the contact into engagement with the arcuate plate when the indicator arm is moved into any signal position to illuminate the latter.

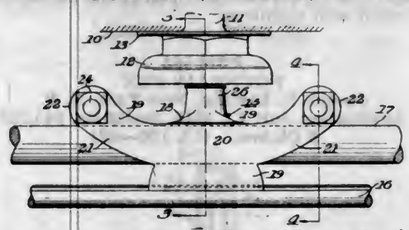
2,240,985
YARN CARRIER STOP FOR FLAT KNITTING MACHINES
John J. Doyle, New Britain, Pa., assignor to Doyle Hosiery Corporation, Doylestown, Pa., a corporation of Pennsylvania
Application June 9, 1939, Serial No. 278,277
9 Claims. (Cl. 66—130)



8. In yarn carrier rod stop means for flat knitting machines, an adjustable motion-limiting

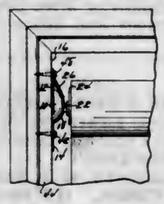
stop abutment, and a yielding shock absorbing element which is axially spaced from the abutment and which normally projects beyond said abutment.

2,240,986
MINE CONDUCTOR SUPPORT
Albert H. Genter, Ross Township, Allegheny County, Pa., assignor to Duquesne Mine Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 18, 1940, Serial No. 357,287
3 Claims. (Cl. 191—40)



1. In a trolley wire support arranged to carry a plurality of conductors, the combination of a hanger having a downwardly open bell member, an insulated stud depending from the bell member, a pair of complementary jaw members, at least one of said jaw members being attached intermediate of its ends to the stud, each jaw member consisting of an intermediate body portion and arms at either end of the body portion extending upwardly and outwardly to provide safety gaps between the arms and the bell member, said jaw members provided with a plurality of grooves formed in the inner faces thereof and in subjacent relation to each other, the corresponding grooves on the jaw members registering to receive the conductors, surfaces on the arms adjacent the free extremities thereof disposed to engage and form fulcrums between the two jaw members, and means effective between each fulcrum and the grooves for causing the jaw members to converge and support the conductors in said grooves.

2,240,987
CURTAIN OR SHADE BRACKET
Peter P. Grabowsky, Cambridge, Mass.
Application January 26, 1939, Serial No. 252,991
1 Claim. (Cl. 248—268)



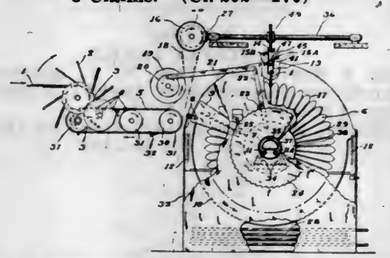
A bracket for mounting a curtain shade comprising a single piece of sheet metal fashioned to provide anchoring wings and a semi-spherical shell, said shell being provided with a rectangularly shaped opening in its apex, and said shell and one of said wings being severed and the material between the lines of severance bent to provide a resilient finger and a slot underneath the finger, said slot leading into said opening, said resilient finger having its free end located at the apex of said shell and a portion of the end of the finger comprising in part a wall of said opening, said finger being depressible through said slot to yield for permitting the winding stem to be moved through the slot and into said opening.

2,240,988
LIQUID LEVEL INDICATOR
Kenneth L. Hertel, Knoxville, Tenn., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn., a corporation of Tennessee
Application September 20, 1938, Serial No. 230,895
3 Claims. (Cl. 73—293)



3. Apparatus of the character described comprising a prism structure having a pair of parallel walls, and having within itself a longitudinally extending, thin, flat, liquid receiving chamber disposed at an angle to said walls and partly filled with a liquid, means communicating with said chamber whereby the level of the liquid therein may be caused to vary, means for directing a beam of light at substantial right angles to one of said walls through a portion of the prism structure and against the interface constituting a side of said chamber, whereby said beam is either reflected at said interface or transmitted through the prism structure in the direction of the incident beam, depending upon whether or not liquid is present in said chamber at the level of said beam, and means for causing the reflected beam to issue from said prism structure through the same wall as and parallel with the transmitted beam.

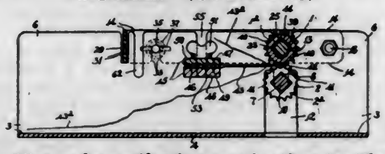
2,240,989
DEGREASING OF METAL ARTICLES
Norman Roy Hood and Samuel Barnes Spencer, Runcorn, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application January 9, 1939, Serial No. 250,032
In Great Britain January 11, 1938
8 Claims. (Cl. 202—170)



1. An apparatus for the degreasing of metal sheets comprising a compartment adapted to contain a volatile solvent for the grease, a heating element situated near the bottom of the compartment and adapted to maintain at least a portion of the solvent in the vapour phase, a cooling element situated above the heating element adapted to condense the solvent and thereby prevent the solvent vapour from rising above the level of the cooling element, a carrier adapted to rotate within the compartment and adapted to hold a plurality of metal sheets spaced apart from each other and held radially in the

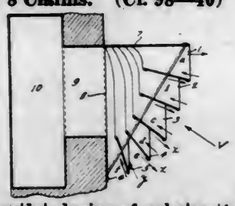
carrier which is so disposed within the compartment that as the carrier rotates the metal sheets are firstly completely immersed in the solvent vapour and then lifted completely above the solvent vapour, and spray means positioned at the axis of rotation of the carrier to create at least one distinct zone of relatively narrow arc in which a stream of solvent in the liquid phase can be passed over the sheets while said sheets are immersed in the solvent vapor.

2,240,990
MEANS FOR GATHERING OR PLEATING TEXTILE AND LIKE MATERIAL
Gabriel Christiaan Erasmus Keet, Johannesburg, Transvaal, Union of South Africa
Application February 1, 1939, Serial No. 254,014
In the Union of South Africa November 24, 1938
2 Claims. (Cl. 112—175)



1. Means for gathering or pleating textile and like material, including a frame, a pair of rotatable meshing toothed wheels arranged one above the other between which the material is passed and by which it is pleated, the lower wheel being rotatably mounted in the frame, the wheels being constructed with a plurality of circumferential aligned grooves forming openings between them, a U-shaped bridle pivoted to the frame in front of the wheels and rotatably carrying the upper wheel so that the latter can be moved away from the lower wheel, a threaded needle arranged in each of said openings in the wheels which openings receive the needles in the operative position thereof the pointed end portion of which needle lies between the wheels, a needle carrier constructed in two parts between which the needles are clamped, said needle carrier being pivoted so that the points of the needles can be lifted out of the openings in the lower wheel after the upper wheel has been raised, and means for fixing said pivoted needle carrier when the points of the needles are in the openings, as set forth.

2,240,991
AIR SUPPLY DEVICE
Franz J. Kurth, New York, N. Y., assignor to Anemostat Corporation of America, a corporation of Delaware
Application November 23, 1937, Serial No. 176,070
8 Claims. (Cl. 98—40)



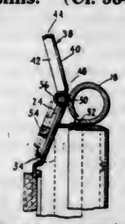
1. An air outlet device of substantially U-shape in end elevation having a flat side and comprising a series of successively smaller, open-ended, hollow, flaring members of substantially U-shape in end elevation and spaced successively inwardly of one another with their smaller ends disposed at the rear or air inlet end of the device to provide therebetween a series of flaring passageways of substantially U-shape in end elevation, and means closing said passageways at the flat side of the device, said members having the medial portions of their rear edges disposed inwardly of the medial portions of the rear edges of the next larger members, respectively, and at least one of said members having the side portions of its rear edge disposed farther inwardly from the side portions of the rear edge of the next larger member than its medial portion is disposed inwardly of the medial rear edge portion of the said next larger member, whereby a lesser amount of supplied air flows through the medial portion than through the side portions of the passageway between said members.

2,240,992
FOUNTAIN PEN
Joseph N. Landau, New York, N. Y.
Application July 12, 1940, Serial No. 345,222
9 Claims. (Cl. 120—49)



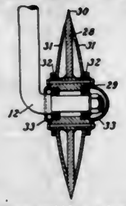
1. In a fountain pen, the combination of a slidable casing, a closure cap member for the open end of said casing, means for operating the cap including a tubular bushing mounted in the slidable sleeve casing and adjacent to the end thereof, a tubular bushing slidably mounted on said bushing, a flange member formed on the lower end of said bushing for limiting the movement thereof, a hinge connecting the slidable bushing directly with one side of said cap member, and a cap operator lever pivotally connected to the cap member and adjacent to said hinge member.

2,240,993
INITIAL WRIST-WATCH CASE
Benjamin Laxrus, Lawrence, N. Y., assignor to Benrus Watch Company, New York, N. Y., a corporation of New York
Application August 4, 1939, Serial No. 288,283
10 Claims. (Cl. 58—88)



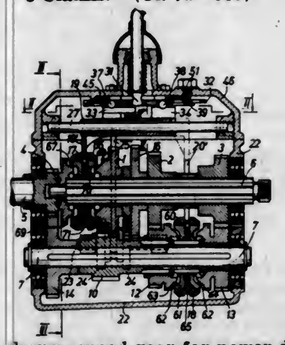
1. A wrist-watch case comprising a bezel, a seat forming a permanent part of the bezel adapted to receive separable interchangeable initials, and a frame-like cover dimensioned to fit over an initial and to remain closed with the initial exposed but held therebeneath, said cover having side flanges formed integrally therewith and dimensioned to encompass the seat and the initials.

2,240,994
ROTARY SUBSOILER
Leslie E. Love, Albuquerque, N. Mex.; dedicated to the free use of the People in the territory of the United States
Application April 5, 1940, Serial No. 328,056
5 Claims. (Cl. 97—209)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



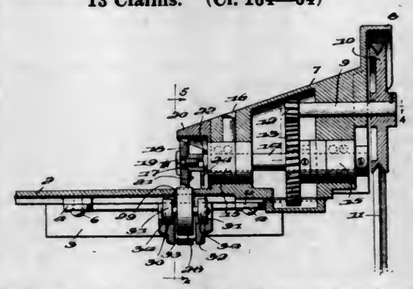
1. In combination with a tractor or other suitable vehicle a crank having a crank arm, a crank shaft at one end of said arm and a shouldered spindle at the other end, said crank shaft being rotatably mounted on the frame of said vehicle, an abutment secured to said vehicle beneath the mounting of said shaft in the path of revolution of said crank arm, and a removable cutting wheel rotatably mounted on said spindle.

2,240,995
CHANGE SPEED GEAR
Albert Maier, Friedrichshafen-on-the-Bodensee, Germany, assignor to Zahnradfabrik Friedrichshafen Aktiengesellschaft, Friedrichshafen-on-the-Bodensee, Germany
Application April 22, 1936, Serial No. 75,793
In Germany May 10, 1935
3 Claims. (Cl. 74—359)



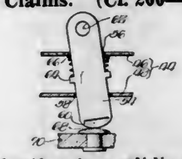
1. In a change speed gear for power driven vehicles, the sub-combination of: a casing; a driving shaft; a driven shaft coaxial with said driving shaft; a countershaft parallel to said driving and driven shafts; bearings at one end of the casing for said driving shaft and said countershaft; bearings at the other end of the casing for the driven shaft and for said countershaft; a toothed wheel fixedly mounted upon the driving shaft; a toothed wheel fixedly mounted upon the said countershaft, said two toothed wheels being permanently in engagement, whereby said countershaft is constantly driven by said driving shaft; a plurality of pairs of co-operating toothed wheels carried by said driven and countershafts for obtaining various ratios of transmission from the driving to the driven shaft; the pair of toothed wheels giving the highest ratio of transmission, that is, the lowest speed of the driven shaft, being mounted directly adjacent to said pair of toothed wheels fixedly mounted upon the driving shaft and the countershaft, and comprising a toothed wheel loosely mounted upon the driven shaft and adapted to be coupled thereto; all the remaining toothed wheels mounted upon the driven shaft being fixed thereto and their cooperating toothed wheels being loosely mounted on the countershaft; the pair of toothed wheels giving the second highest speed of the driven shaft being mounted directly adjacent to the bearings at the side of the casing at which the driven shaft emerges from the casing.

2,240,996
PINKING MACHINE
William T. Maxant, Ayer, Mass.
Application August 17, 1938, Serial No. 225,467
13 Claims. (Cl. 164—64)



1. In a pinking machine of the character described, the combination of a bed plate having a housing, cutting and anvil members having coacting edges arranged substantially at the upper surface of the bed plate, a spindle, a pair of longitudinally spaced sets of ball bearings journaling longitudinally spaced portions of said spindle in the housing, said spindle having an end projecting from said pair of sets of ball bearings and supporting the cutting member on said projecting end, and means for rotating said spindle.

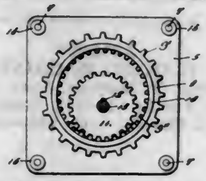
2,240,997
ELECTRIC CONTACT
Archie J. McMaster, Highland Park, Ill., assignor to G-M Laboratories, Inc., Chicago, Ill.
Application February 15, 1937, Serial No. 125,689
6 Claims. (Cl. 200—11)



1. In combination in a sliding electrical contact, a guide, movable means for supporting said guide, an elongated metal plunger longitudinally reciprocable in said guide, said plunger having a knife-like contact portion on an end thereof aligned in the direction of movement thereof resulting from movement of said guide supporting means, means urging said plunger in the direc-

tion of said knife-like contact portion, said knife-like contact portion adapted to engage a stationary contact member with a sliding action whereby to cause said knife-like portion to cut through surface matter on the stationary contact whereby to form good electrical engagement between said stationary contact and said knife-like contact portion, and an uneven contact surface over which the said knife-like contact portion of said elongated metal plunger is adapted to slide, said guide being tilted with respect to the direction of sliding so that the end of said guide nearest said contact surface moves in advance of the other end thereof.

2,240,998
BICYCLE GEAR
Frank Montiglio, Milwaukee, Wis.
Application November 13, 1939, Serial No. 304,224
3 Claims. (Cl. 74—413)



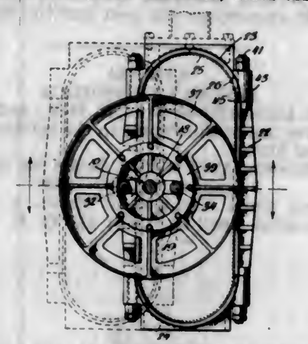
1. In a device of the character described, a bicycle gear including an internally and externally toothed sprocket gear having annular flanges thereon, a pair of plates each having a recess therein and mounted on a bicycle frame in spaced relation to each other with each recess having one of said annular flanges engaged therein for supporting said internally and externally toothed sprocket gear, and means mounted between said spaced plates and engaged with said internal teeth on said toothed sprocket for operating the same.

2,240,999
METHOD OF PRODUCING BOOKS, ETC.
Henry H. Moreton, East Orange, N. J.
No Drawing. Application April 24, 1939, Serial No. 269,816
3 Claims. (Cl. 283—8)

1. The method of treating printed pages to limit the period of their legibility comprising applying an actinic solution of predetermined strength to one or more of the printed areas of one or more previously printed pages of the book, said solution having the characteristic of turning dark when exposed to light and at a speed approximately determined by the strength of the solution, whereby each coated area will, when exposed to light, provide a dark non-contrasting background for the printed matter within the coated area, and controlling the depth of color to be obtained at the coated areas by the quantity of solution applied thereto.

2,241,000
RACK AND PINION GEARING
Edgar W. Patterson, Long Beach, Calif., assignor of one-half to C. M. O'Leary, Jr., Los Angeles, Calif.
Application March 25, 1940, Serial No. 325,823
10 Claims. (Cl. 74—30)

1. Mechanism for translating rotary driving action to rectilinear driven action, comprising a rotatable drive shaft, a driving pinion in fixed relation on said shaft, a driven rack encircling said pinion, and having an endless internal gear in constant mesh with said pinion, and also having continuous inner and outer guide surfaces along opposite sides of said endless gear, guide rollers freely rotatable around the shaft and engaging the inner guide surfaces, discs also freely



rotatable on the shaft, guide rollers having freely rotatable supports on said discs and engaging the outer guide surfaces, and other discs mounted on said roller carrying discs and of an external diameter at least the diameter of the rack, said last named discs being freely rotatable in contact with the side edges of the rack.

2,241,001
TRELLIS FOR SUPPORTING GROWING PLANTS
Arthur W. Peterson, Albert City, Iowa
Application November 3, 1939, Serial No. 302,784
2 Claims. (Cl. 47—47)

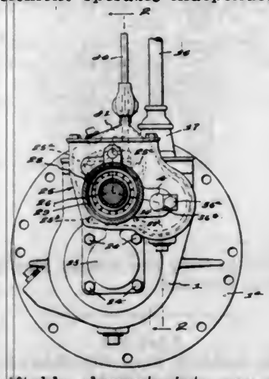


1. In a device of the character described, a pair of stakes adapted to be anchored in the ground at points suitably spaced from each other; a pair of flexible strips slightly longer than the space between said stakes; means for detachably securing the strips at their ends to the pair of stakes on opposite sides thereof, whereby the strips are held spaced apart on the pair of stakes; and a detachable spreader midway between the strips for bowing them outwardly from each other, whereby to provide ample space at their centers between the strips for growing plants.

2,241,002
AUXILIARY TRANSMISSION GEARING
Carl D. Peterson, Toledo, Ohio, assignor to Spicer Manufacturing Corporation, Toledo, Ohio, a corporation of Virginia
Application December 18, 1937, Serial No. 180,617
5 Claims. (Cl. 74—338)

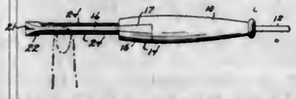
1. In a transmission gearing, the combination of a gear box having a change-speed gear set therein including an input shaft journalled in an end wall of the gear box and extending through the same, an output shaft, trains of gears between the shafts to produce different speeds and selectively operable shiftable elements for selectively connecting any one of the trains of gears in operative driving relation between the input

and output shafts, and an auxiliary gear set including a second gear box mounted on the end wall of the first gear box and into which the input shaft extends, a drive shaft mounted in the second box in axial alinement with the input shaft and gearing in the second box including a shiftable element operable independently of the



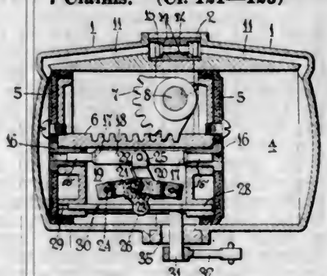
former shiftable elements into one position to connect the drive and input shafts in direct drive relation and into another position to connect them together in indirect drive relation, whereby the shiftable element in the second gear box can be operated into either of its positions when any one of the first shiftable elements are in operative position.

2,241,003
MANICURE APPLIANCE
Charles A. Sherman, Edmonton, Alberta, Canada
Application July 29, 1940, Serial No. 348,209
3 Claims. (Cl. 132—73)



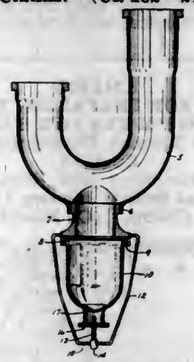
1. A manicure appliance for tinting fingernails comprising, a handle, an electrical resistance member carried by the handle, means for supplying current to heat the member, and means for supporting a fingernail in close proximity to the resistance member for tinting the end of the fingernail by heat from the resistance member.

2,241,004
WINDSHIELD CLEANER MOTOR
Edward W. Sibley, Kenmore, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application March 6, 1939, Serial No. 260,006
7 Claims. (Cl. 121—123)



1. A windshield cleaner motor of the fluid pressure differential type, comprising a motor chamber having terminal passages communicating through oppositely facing valve seats with one pressure, valve means alternately engageable with the seats, a piston unit mounted for reciprocatory movement within the chamber comprising spaced piston members each having a port for establishing communication between the opposite sides of its piston member, the space between the piston members being in communication with a different pressure, valve means for opening one while closing the other of the piston ports, a snap action carried by the piston for reversing the latter valve means, and means carried by the chamber for tripping the snap action as the piston unit approaches its limit of movement.

2,241,005
DRAIN TRAP
Charles F. Smith, Dallas, Tex., assignor to Leo J. Williams, Oklahoma City, Okla.
Application October 18, 1939, Serial No. 300,009
3 Claims. (Cl. 182—24)



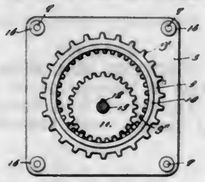
1. A trap comprising: a substantially U-shaped pipe member having its two ends formed to facilitate its connection into a drain pipe; a bored connector in direct communication with the interior of said U-shaped member at its lowest point, said connector having an annular seat formed within its lower end; a transparent bowl the annular rim of which is adapted to seat on said seat; a substantially U-shaped cage having its two ends pivotally connected to said connector at opposite sides thereof; a threaded inwardly projecting stud made integral with the swinging end of said cage; and a thumb nut for said stud adapted to reciprocate thereon as it is tuned in opposite directions and to adjustably contact the bottom of said bowl and to thus force the bowl against its seat.

2,241,006
ONE STORY PRESS
George G. Smith, Vernon, Tex., and Hugh Roberts, Jr., Columbus, Ga., assignors to Cen-Tennial Cotton Gin Co., Columbus, Ga., a corporation of Georgia
Application June 2, 1936, Serial No. 83,142
4 Claims. (Cl. 100—28)

2. A press having a platform structure, a ram means, a tamper means, a bale chamber above the platform structure for coaction with the ram means and the tamper means, a column providing a vertical axis laterally of the bale chamber upon which the platform is movable horizontally, said chamber having doors perpendicular to the platform structure, vertically positioned rods for sup-

tion of said knife-like contact portion, said knife-like contact portion adapted to engage a stationary contact member with a sliding action whereby to cause said knife-like portion to cut through surface matter on the stationary contact whereby to form good electrical engagement between said stationary contact and said knife-like contact portion, and an uneven contact surface over which the said knife-like contact portion of said elongated metal plunger is adapted to slide, said guide being tilted with respect to the direction of sliding so that the end of said guide nearest said contact surface moves in advance of the other end thereof.

2,240,998
BICYCLE GEAR
Frank Montiglio, Milwaukee, Wis.
Application November 13, 1939, Serial No. 304,224
3 Claims. (Cl. 74—413)



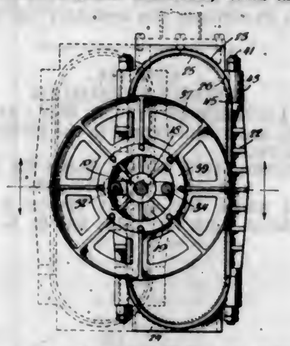
1. In a device of the character described, a bicycle gear including an internally and externally toothed sprocket gear having annular flanges thereon, a pair of plates each having a recess therein and mounted on a bicycle frame in spaced relation to each other with each recess having one of said annular flanges engaged therein for supporting said internally and externally toothed sprocket gear, and means mounted between said spaced plates and engaged with said internal teeth on said toothed sprocket for operating the same.

2,240,999
METHOD OF PRODUCING BOOKS, ETC.
Henry H. Moreton, East Orange, N. J.
No Drawing. Application April 24, 1939, Serial No. 269,816
3 Claims. (Cl. 283—8)

1. The method of treating printed pages to limit the period of their legibility comprising applying an actinic solution of predetermined strength to one or more of the printed areas of one or more previously printed pages of the book, said solution having the characteristic of turning dark when exposed to light and at a speed approximately determined by the strength of the solution, whereby each coated area will, when exposed to light, provide a dark non-contrasting background for the printed matter within the coated area, and controlling the depth of color to be obtained at the coated areas by the quantity of solution applied thereto.

2,241,000
RACK AND PINION GEARING
Edgar W. Patterson, Long Beach, Calif., assignor of one-half to C. M. O'Leary, Jr., Los Angeles, Calif.
Application March 25, 1940, Serial No. 325,823
10 Claims. (Cl. 74—30)

1. Mechanism for translating rotary driving action to rectilinear driven action, comprising a rotatable drive shaft, a driving pinion in fixed relation on said shaft, a driven rack encircling said pinion, and having an endless internal gear in constant mesh with said pinion, and also having continuous inner and outer guide surfaces along opposite sides of said endless gear, guide rollers freely rotatable around the shaft and engaging the inner guide surfaces, discs also freely



rotatable on the shaft, guide rollers having freely rotatable supports on said discs and engaging the outer guide surfaces, and other discs mounted on said roller carrying discs and of an external diameter at least the diameter of the rack, said last named discs being freely rotatable in contact with the side edges of the rack.

2,241,001
TRELLIS FOR SUPPORTING GROWING PLANTS
Arthur W. Peterson, Albert City, Iowa
Application November 3, 1939, Serial No. 302,784
2 Claims. (Cl. 47—47)

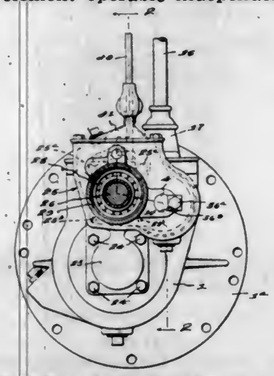


1. In a device of the character described, a pair of stakes adapted to be anchored in the ground at points suitably spaced from each other; a pair of flexible strips slightly longer than the space between said stakes; means for detachably securing the strips at their ends to the pair of stakes on opposite sides thereof, whereby the strips are held spaced apart on the pair of stakes; and a detachable spreader midway between the strips for bowing them outwardly from each other, whereby to provide ample space at their centers between the strips for growing plants.

2,241,002
AUXILIARY TRANSMISSION GEARING
Carl D. Peterson, Toledo, Ohio, assignor to Spicer Manufacturing Corporation, Toledo, Ohio, a corporation of Virginia
Application December 18, 1937, Serial No. 180,617
5 Claims. (Cl. 74—338)

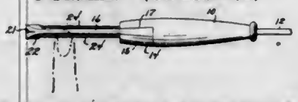
1. In a transmission gearing, the combination of a gear box having a change-speed gear set therein including an input shaft journalled in an end wall of the gear box and extending through the same, an output shaft, trains of gears between the shafts to produce different speeds and selectively operable shiftable elements for selectively connecting any one of the trains of gears in operative driving relation between the input

and output shafts, and an auxiliary gear set including a second gear box mounted on the end wall of the first gear box and into which the input shaft extends, a drive shaft mounted in the second box in axial alinement with the input shaft and gearing in the second box including a shiftable element operable independently of the



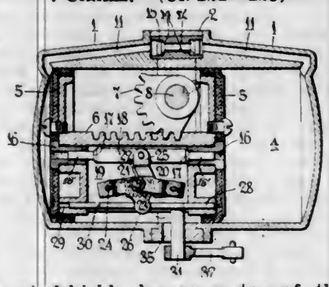
former shiftable elements into one position to connect the drive and input shafts in direct drive relation and into another position to connect them together in indirect drive relation, whereby the shiftable element in the second gear box can be operated into either of its positions when any one of the first shiftable elements are in operative position.

2,241,003
MANICURE APPLIANCE
Charles A. Sherman, Edmonton, Alberta, Canada
Application July 29, 1940, Serial No. 348,209
3 Claims. (Cl. 132—73)



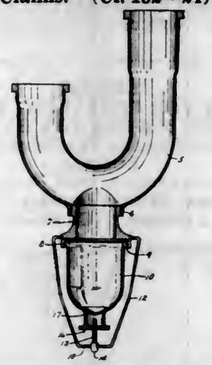
1. A manicure appliance for tinting fingernails comprising, a handle, an electrical resistance member carried by the handle, means for supplying current to heat the member, and means for supporting a fingernail in close proximity to the resistance member for tinting the end of the fingernail by heat from the resistance member.

2,241,004
WINDSHIELD CLEANER MOTOR
Edward W. Sibley, Kenmore, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application March 6, 1939, Serial No. 260,006
7 Claims. (Cl. 121—123)



1. A windshield cleaner motor of the fluid pressure differential type, comprising a motor chamber having terminal passages communicating through oppositely facing valve seats with one pressure, valve means alternately engageable with the seats, a piston unit mounted for reciprocatory movement within the chamber comprising spaced piston members each having a port for establishing communication between the opposite sides of its piston member, the space between the piston members being in communication with a different pressure, valve means for opening one while closing the other of the piston ports, a snap action carried by the piston for reversing the latter valve means, and means carried by the chamber for tripping the snap action as the piston unit approaches its limit of movement.

2,241,005
DRAIN TRAP
Charles F. Smith, Dallas, Tex., assignor to Leo J. Williams, Oklahoma City, Okla.
Application October 18, 1939, Serial No. 300,009
3 Claims. (Cl. 182—24)

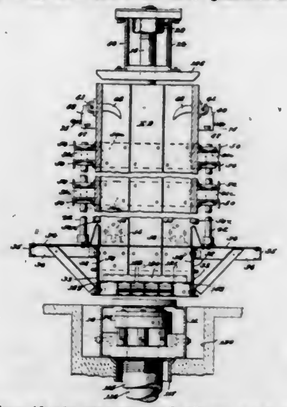


1. A trap comprising: a substantially U-shaped pipe member having its two ends formed to facilitate its connection into a drain pipe; a bored connector in direct communication with the interior of said U-shaped member at its lowest point, said connector having an annular seat formed within its lower end; a transparent bowl the annular rim of which is adapted to seat on said seat; a substantially U-shaped cage having its two ends pivotally connected to said connector at opposite sides thereof; a threaded inwardly projecting stud made integral with the swinging end of said cage; and a thumb nut for said stud adapted to reciprocate thereon as it is tuned in opposite directions and to adjustably contact the bottom of said bowl and to thus force the bowl against its seat.

2,241,006
ONE STORY PRESS
George G. Smith, Vernon, Tex., and Hugh Roberts, Jr., Columbus, Ga., assignors to Cen-Tennial Cotton Gin Co., Columbus, Ga., a corporation of Georgia
Application June 2, 1936, Serial No. 83,142
4 Claims. (Cl. 100—28)

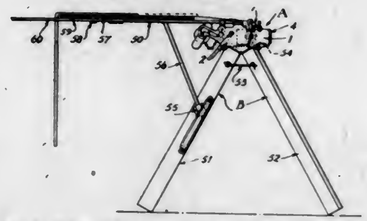
2. A press having a platform structure, a ram means, a tamper means, a bale chamber above the platform structure for coaction with the ram means and the tamper means, a column providing a vertical axis laterally of the bale chamber upon which the platform is movable horizontally, said chamber having doors perpendicular to the platform structure, vertically positioned rods for sup-

porting the doors, said rods having their lower ends directly secured to the platform structure



and having their upper ends free, and means surrounding the vertical column and connected to said rods.

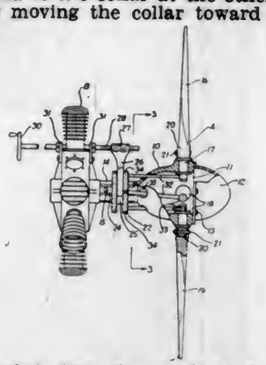
2,241,007
MACHINE FOR PREPARING WALL AND CEILING PAPERS FOR HANGING
Beatrice Maud Thomas, Pendlebury, Manchester, England
Application January 3, 1939, Serial No. 249,025
In Great Britain January 13, 1938
6 Claims. (Cl. 91—14)



1. In a wall paper pasting machine, a paste-holding trough, a pasting roller rotatable therein, a pressure roller above the pasting roller, the pasting roller being of greater length than the width of paper to be treated, and the pressure roller being of shorter length than the width of the paper to be treated, and flexible means for wiping the margins of the pasted face of the paper as it passes around the pressure roller, for delivery in a substantially horizontal position, pasted side uppermost.

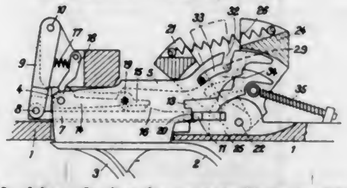
2,241,008
VARIABLE PITCH PROPELLER
Rudolph Turna, Vancouver, British Columbia, Canada
Application January 24, 1939, Serial No. 252,662
3 Claims. (Cl. 170—163)

1. A variable pitch propeller adapted to be mounted on the crank shaft of an aeroplane engine, comprising a hub, a plurality of blades pivotally mounted on the hub, a crank disc mounted at the inner end of each blade, a pin eccentrically mounted on the outer face of each disc, an extension extending rearwardly from the hub, said extension being splined, a collar slidably mounted on the extension having tongues fitting into the splines, a connecting rod pivotally connected to each crank disc pin at one end and to the collar at the other end, and means for moving the collar toward and away



from the hub to turn the cranks and the blades in relation to the hub.

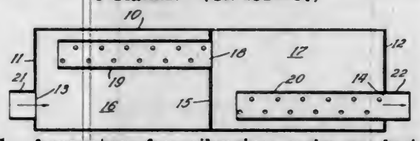
2,241,009
LOCKING DEVICE FOR DOUBLE-BARREL FIREARMS
Fritz Zehner and Hans Zehner, Suhl, Germany, assignors to the firm J. P. Sauer & Sohn, Gewehr-Fabrik, Suhl, Germany
Application November 24, 1937, Serial No. 176,338
In Germany December 5, 1936
6 Claims. (Cl. 42—42)



1. A locking device for preventing double firing of double-barreled firearms with two triggers including in combination, an extension plate on each trigger, said plates being pivoted in substantially parallel planes for lifting as a result of the pull of their respective triggers, a locking member mounted to be moved by inertia against recoil during firing, said plates and locking member being provided with cooperating means so shaped and positioned that movement of recoil of the firearm moves the locking member means into the return path of the plate means of the pulled trigger, and additional means aiding the reverse movement of said locking member on counter-recoil to position said cooperating means to then interlock and hold the now retracted trigger plate against trigger pull for a period.

6. A locking device for preventing double firing of double-barreled firearms with two triggers including in combination, an extension plate on each trigger, said plates being identical and coaxially pivoted in substantially parallel planes for lifting as a result of the pull of their respective triggers, a locking member mounted to be moved by inertia against recoil during firing to cooperate with either of said plates, said plates and locking member being provided with means whereby the first movement of recoil of said member moves its means into the return path of the plate means of the pulled trigger, said means being constructed to interengage and lock the same trigger plate after retraction against trigger pull for a period initiated by the counter-recoil, said locking member constituting a weighted body pivoted to rock about a fixed axis, a second weighted body pivoted coaxially with the first, and means whereby the masses of the two bodies are additive in effect on counter-recoil only.

2,241,010
APPARATUS FOR SILENCING PULSATING GASES
Alfred S. Chipley, Chicago, Ill., assignor, by mesne assignments, to Burgess Battery Company, Chicago, Ill., a corporation of Delaware
Application December 30, 1938, Serial No. 248,485
8 Claims. (Cl. 181—57)



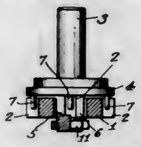
1. Apparatus for silencing noise-producing gases comprising a plurality of chambers, each chamber having an inlet opening in a wall thereof and an outlet conduit extending thereinto from the opposite wall thereof, said outlet conduit being arranged in non-aligned relation with the inlet opening, said outlet conduits having one or more gas entrance openings in the walls thereof and extending a substantial distance into said chambers respectively, the inlet opening and the openings of the outlet conduit within each chamber being in substantially immediate communication with substantially the entire volume of said chamber, the outlet conduit of one chamber being connected to the inlet opening of another for the passage of gases through said chambers in succession.

2,241,011
PROCESS FOR RESOLVING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Original application May 12, 1939, Serial No. 273,223, now Patent No. 2,226,116, dated December 24, 1940. Divided and this application October 23, 1939, Serial No. 300,845
15 Claims. (Cl. 252—341)

3. A process for resolving petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier obtainable by reaction between: (A) a polybasic carboxy acid compound of the kind characterized by (*a*) the presence of an unreacted carboxy radical attached to the polybasic carboxy acid residue; and (*b*) a radical derived from a detergent-forming acid having at least 8 carbon atoms and not more than 32 carbon atoms; and (B) a hydroxylated diamine derived by reaction between: first, a secondary amine; and second, an aldehyde; said new composition of matter being additionally characterized by the fact that the linkage between the diamine radical and the polybasic carboxy acid body must involve at least one carboxyl radical attached to the polybasic carboxy acid residue.

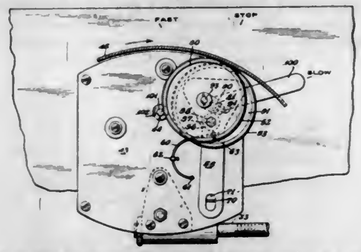
2,241,012
VALVE
Carlos Enrique Etchemendy, Buenos Aires, Argentina
Application July 26, 1939, Serial No. 286,609
In Argentina February 10, 1939
4 Claims. (Cl. 251—44)

1. In a valve structure, a valve member, a rotatable valve stem for moving said valve member in a straight line, clutch means normally maintaining said valve member and said valve stem in operative engagement, said clutch means becoming disengaged when forces acting in oppo-



site directions on said valve member and said valve stem exceed a predetermined maximum, said clutch means comprising a plurality of peripheral notches in said valve member and lugs in said valve stem engaging said notches.

2,241,013
SPEED CHANGE FOR RECORDING APPARATUS
Paul Stead Gay, Charlotte, Mich., assignor to Wilcox-Gay Corporation, Charlotte, Mich., a corporation of Michigan
Application October 8, 1940, Serial No. 360,288
9 Claims. (Cl. 74—190)

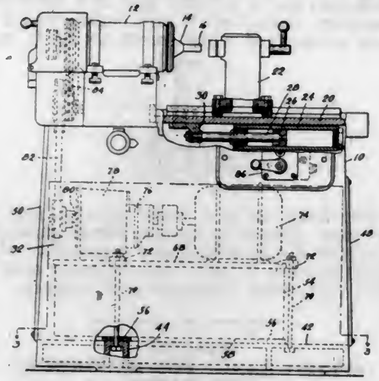


1. A speed changing drive for a turntable having a peripheral flange, said drive comprising a source of motive power, a spindle driven thereby, a pair of friction wheels and a floating mounting therefor, said mounting being yieldingly biased toward the spindle, one of said friction wheels being rotatable about a fixed support on said mounting, the other of said friction wheels being rotatable about a pin mounted eccentrically of the first of said friction wheels, said pin being movable about the said center of said first friction wheel to vary the distance of said pin from the spindle.

2,241,014
HYDRAULICALLY OPERATED MACHINE TOOL
Eric J. Hirvonen, Worcester, Mass., assignor to Leland-Gifford Company, Worcester, Mass., a corporation of Massachusetts
Application September 22, 1939, Serial No. 296,082
2 Claims. (Cl. 77—1)

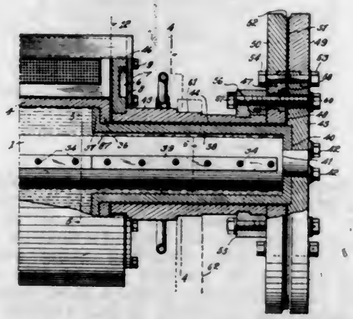
1. A hydraulically operated machine tool of the type carrying a self-contained internal reservoir, comprising a base, cutter and work holders thereon, a hydraulic motor for effecting relative movement between said holders, said base having a hollow lower part formed with side walls and with bottom members traversing the lower part of said hollow part and being rigid with certain of said side walls, an oil tank mounted upon said bottom members within said hollow part and having side walls freely spaced from said side walls providing thermally-insulating air spaces therebetween, thermally-insulating members in-

terposed between said tank and said bottom members and upon which said tank rests, and



means rigidly securing said tank in the aforesaid relation to said bottom members.

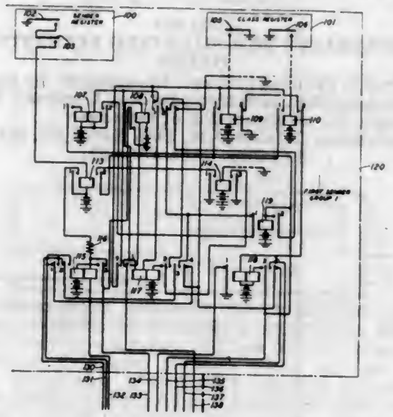
2,241,015
ROTARY WELDING TRANSFORMER
Thomas M. Hunter, East Orange, N. J.
Application May 17, 1939, Serial No. 274,177
13 Claims. (Cl. 219—6)



13. A welding transformer including a shaft, a secondary winding relatively fixed upon the shaft for coincident rotation therewith, a primary winding coupled to said secondary winding, bearings for rotatably supporting the shaft at points on opposite sides of the windings, the shaft extending through one of the bearings, and two disc electrodes carried on the shaft extension and electrically connected to the ends of the secondary winding.

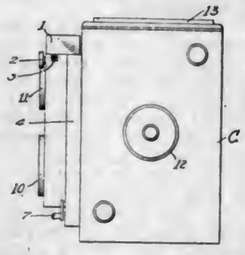
2,241,016
TELEPHONE SYSTEM
Gerald V. King, Chatham, Franklin A. Korn, Elizabeth, and Roderick K. McAlpine, Rutherford, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 19, 1939, Serial No. 300,140
20 Claims. (Cl. 179—18)

1. In a control system for establishing electrical circuit paths, a plurality of groups of individual electrically operable equipments, each group comprising a plurality of said equipments, another group having a plurality of individual electrically operable equipments therein, connectors for establishing circuit paths between individual equipments of said plurality of groups and individual equipments in said other group, the number of connectors being equivalent to the number of groups in said plurality of groups, and



means in the equipments of said plurality of groups automatically energized by means in said connectors for controlling the choice of a connector for completing circuit paths between said individual equipments.

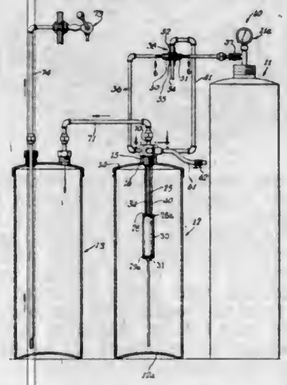
2,241,017
PHOTOGRAPHIC CAMERA
Heinz Kuppenbender, Dresden, Heinrich Eyth, Stuttgart-Sonnenberg, and Eugen Jörg, Stuttgart, Germany, assignors to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application September 29, 1939, Serial No. 297,186
In Germany October 18, 1938
4 Claims. (Cl. 95—10)



1. In combination with a twin-lens camera, in which one lens serves as a finder lens and the other one as a photographic objective, a camera casing provided with a manually adjustable extension on which said two lenses are mounted with their axes parallel to each other, an adjustable diaphragm and a shutter associated with said photographic objective, a diaphragm adjusting member and a shutter speed adjusting member, both mounted on said adjustable extension, of a photoelectric exposure meter including in a circuit a photoelectric cell, a variable resistance and a measuring instrument, all of which are mounted on said adjustable extension, means operatively connecting said diaphragm adjusting member with said variable resistance, and a second means operatively connecting said shutter speed adjusting member with said variable resistance, whereby upon adjustment of either one

of said adjusting members said resistance is varied and therewith the indication of said measuring instrument.

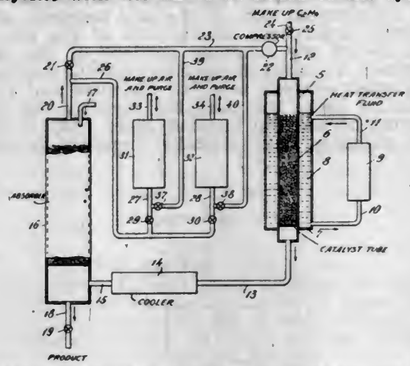
2,241,018
APPARATUS FOR MAKING AND DISPENSING CHARGED BEVERAGES
Charles Lloyd, Brooklyn, N. Y., assignor to Self-Service Carbonator, Inc., Brooklyn, N. Y.
Application September 16, 1940, Serial No. 356,940
12 Claims. (Cl. 261—75)



1. Apparatus for making charged beverage, comprising a tank, a head fixed to the top of the tank and formed with a through opening, a tube within said opening and extending downwardly into the tank, a chamber mounted on said tube, said head being formed with a passage, a gas tube connected to said passage and extending into said chamber, a second tank adapted to contain gas under pressure, piping connecting said passage with said gas tank, said head being formed with a second passage, a bleeder tube connected to said second passage and projecting into said first tank, a two way valve on said piping adapted in one position, to open said piping to permit gas to pass from the gas tank to said chamber, a pipe connecting said second passage with said two way valve, an exhaust pipe connected to said two way valve, said two way valve being adapted in another position thereof to close the piping which connects the gas tank to the first passage and to open the bleeder pipe to the exhaust pipe, said head being formed with a third passage, a water supply pipe attached to said passage, said passage opening into said first tank.

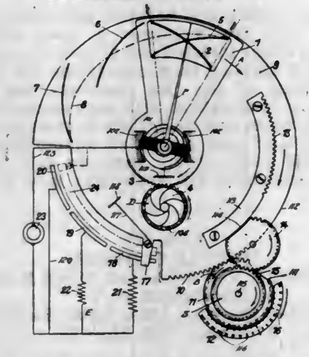
2,241,019
PRODUCTION OF ETHYLENE OXIDE
Floyd J. Metzger, New York, N. Y., assignor, by mesne assignments, to U. S. Industrial Alcohol Co., New York, N. Y., a corporation of West Virginia
Application January 15, 1940, Serial No. 313,887
2 Claims. (Cl. 260—348)

1. The method of increasing the efficiency of the cyclic method of oxidizing ethylene catalytically which comprises directing a gaseous mixture containing ethylene and oxygen over a catalyst, separating the resulting ethylene oxide from the gaseous mixture, selectively absorbing ethylene from the portion of the residual gaseous mixture which is not cycled, purging the gas from which ethylene was selectively absorbed, adding make-up ethylene and air to the cycled gaseous mixture, and flushing the absorbed ethylene with the air to be added to the cycled



gaseous mixture to transfer to said air the absorbed ethylene.

2,241,020
PHOTOGRAPHIC CAMERA
Hubert Nerwin, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application May 18, 1940, Serial No. 335,937
In Switzerland November 15, 1939
34 Claims. (Cl. 95—10)

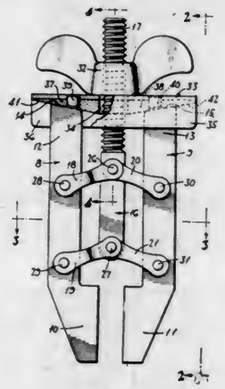


1. In a photographic camera, the combination of a plurality of adjusting mechanisms for exposure control elements, a photoelectric exposure meter, a carrier for an indicator mark in each of said adjusting mechanisms, an indicating element associated with the photoelectric exposure meter and movable in proportion to the intensity of the light passing into the exposure meter, and means in said adjusting mechanism for moving said carriers to optical registration of the several indicator marks thereon and the indicating element of the exposure meter, whereby the relative adjustment of the exposure control elements is coordinated to the intensity of the light affecting the exposure meter.

2,241,021
CLAMPING DEVICE
Johannes Riebe, Farmingdale, N. Y.
Application July 19, 1939, Serial No. 285,320
3 Claims. (Cl. 29—89)

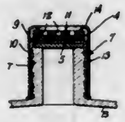
1. A clamping device comprising two closely spaced elongated jaw members having clamping portions offset toward one another at the lower

clamping ends thereof and having end surfaces at the upper ends thereof slightly inclined across the longitudinal axes of the jaw members and inclined toward the central axis of the device and toward the clamping portions of the jaw members, a central elongated supporting member positioned between said jaw members and terminating above the clamping portions and extending beyond the inclined upper ends of the jaw members, links pivotally connected to and



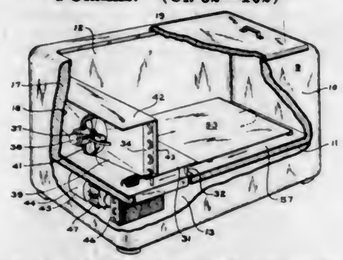
extending transversely between said central member and said jaw members, a plate extending across the upper inclined end of said jaw members and having inclined faces contacting the inclined end surfaces of the jaw members and means operatively cooperating with said elongated supporting member and said plate to relatively move said plate and said elongated supporting member toward each other, whereby said inclined surfaces and links will draw said jaws together.

2,241,022
BOTTLE CLOSURE
Milton Sierad, New York, and Albert E. Sierad, Larchmont, N. Y.
Application March 8, 1940, Serial No. 322,910
2 Claims. (Cl. 215—38)



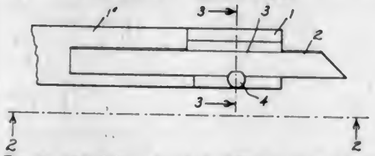
1. In combination, a bottle having a neck-portion, a closure cap fitting over said neck-portion, an impermeable liner member adapted to seal the liquid contents of the bottle positioned on the top wall of the neck-portion and abutting the inner surface of the top wall of the cap, a porous liner positioned on the outer surface of the top wall of the cap, a perforated disc superimposed on said porous liner, a sleeve member adapted to snugly fit over the cylindrical wall of the cap, said sleeve member having an inwardly formed bead located at its upper edge, the inner edge of said bead adapted to exert downward pressure against the top of the perforated disc and hold the said disc and porous liner securely in place when the cap is applied to the neck of the bottle.

2,241,023
DRY BOTTLE COOLER
Elo C. Tanner, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 15, 1938, Serial No. 219,312
4 Claims. (Cl. 62—102)



4. In a dry bottle cooler, the combination of an insulated chamber, a shelf therein for supporting bottles, a cooling unit and a fan disposed in the insulated compartment, said cooling unit and shelf forming a side and bottom wall respectively of a bottle storage zone, said fan and cooling unit being arranged to blow chilled air from the cooling unit horizontally and directly over said bottles, said shelf forming the top of a passage for returning air to the cooling unit after it has passed over the bottles.

2,241,024
TOOL HOLDER
George Wahnish, Los Angeles, Calif.
Application July 31, 1939, Serial No. 287,616
4 Claims. (Cl. 29—96)

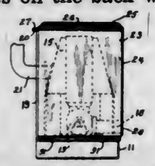


1. In a machine tool holding means of the class described, the combination with a main tool supporting member provided with an inwardly tapered recessed portion and a tool member provided with a beveled side, of a variation compensation member provided with an inwardly tapered recessed portion and a beveled outer portion shaped and arranged to conform to the tapered recessed portion of said main tool supporting member and beveled portion of said tool member to fill the space between said tool member and the main tool supporting member head.

2,241,025
HEATER
Arthur F. Wedderspoon, Chicago, Ill., assignor to Cole's Hot Blast Mfg. Co., Chicago, Ill., a corporation of Illinois
Application February 9, 1940, Serial No. 318,056
5 Claims. (Cl. 126—67)

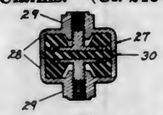
1. In a heater having a base, heating and air circulating structures mounted on said base, an upstanding back wall on said base having a flange at its upper edge, and a smoke outlet extending from the heating structure through said back wall, the improvements which comprise a one-piece stamped casing of rectangular prismatic form having side walls, a front wall and a top wall, said top wall having a flange and a grilled

portion for exhausting heated air, said front wall having a grilled hot air radiation outlet, U-shaped clips carried by said base and arranged to seatingly receive the bottom edges of said casing, said flanges on the back wall and top wall



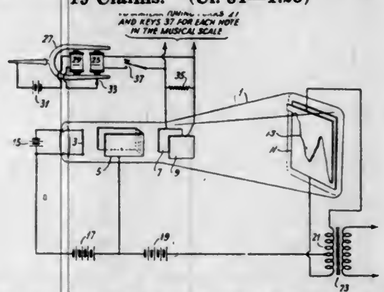
being arranged for abutment when said casing is in seated relation with said clips, and means for locking said flanges together, said casing being arranged for connection to and complete removal from said base and back wall without disturbing the heater during its operation.

2,241,026
MOTOR MOUNTING
Ernest L. Wylie, St. Louis, Mo.
Application July 5, 1939, Serial No. 282,863
4 Claims. (Cl. 248—358)



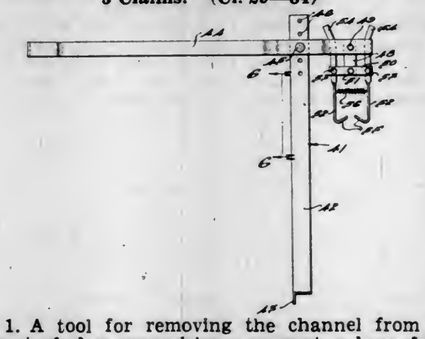
1. In a motor mounting, a pair of cupped covers having bored and interiorly threaded bearing lugs mounted centrally thereon, a complemental resilient core comprising opposed counterparts demarked by an intermediate, resilient peripheral band, anchors embedded in the counterparts of the core, the said anchors including exteriorly threaded bolts extended oppositely in alignment from the core and adapted to threadedly engage at each side the interiorly threaded bores of the bearing lugs of the covers and to pass partially therethrough, the remaining portions of said threaded bores of the lugs being adapted to engage at either side threaded bolts as employed for anchoring the motor to the chassis whereon the motor is to be mounted, the inwardly turned margins of the covers being adapted to close at either side, upon the said peripheral band of the core.

2,241,027
ELECTRONIC MUSICAL INSTRUMENT
Ralph W. Bumstead, Westfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1939, Serial No. 306,942
19 Claims. (Cl. 84—1.28)



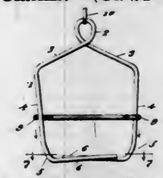
1. A musical instrument having keys to be played, a tuned audio frequency oscillator under control of each key, a cathode ray tube comprising an electron gun, beam deflecting means, and a photo-electric screen; means for projecting on said screen an image graphically depicting the timbre characteristics of a tone to be reproduced, said image constituting light and dark portions of an annular area, means for impressing supersonic frequency potentials upon said deflecting means thereby to scan said annular area rotatively, and means for causing said potentials to be frequency-modulated by output energy from the key-actuated audio frequency oscillators.

2,241,028
GLASS REPLACEMENT TOOL
Loyde Chubb, Lansing, Mich., assignor, by mesne assignments, to Sommer & Maca Glass Machinery Corporation, a corporation of Illinois
Application January 28, 1938, Serial No. 187,384
3 Claims. (Cl. 29—84)



1. A tool for removing the channel from a sheet of glass comprising a support, a lever fulcrumed on said support, and a pair of jaws connected to said lever by means of a grapple mechanism, said mechanism comprising a link pivoted at one end to said lever and at the other end to a cross bar intermediate the ends of the latter, the jaws being pivoted to the respective ends of the cross bar.

2,241,029
HOLDING DEVICE
Robert R. Harrison, New Haven, Conn.
Application December 29, 1939, Serial No. 311,663
4 Claims. (Cl. 24—263)



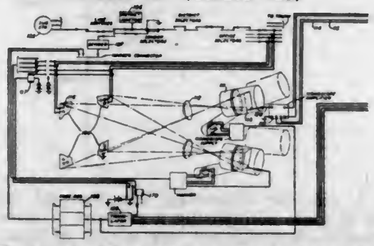
1. In a holding device, the combination of a spring wire frame including substantially parallel straight sides, said straight sides terminating at their outer ends only in radically converging portions, said converging portions terminating at their outer ends in inwardly-extending parallel straight jaw units, said jaw units having their ends at all times between said sides, a clamping bar on said sides, said clamping bar provided with eyes surrounding said sides, and said eyes adapted to tightly engage said converging portions and be held securely thereby against accidental movement when said clamping bar is in its normal position contiguous to said jaw units.

2,241,030
TREATMENT OF CURING PICKLE
Walter Richard Hess, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 31, 1938, Serial No. 248,864
9 Claims. (Cl. 99—159)

1. The method of improving used curing pickle which comprises aerating the pickle at a temperature between 70 degrees F. and 80 degrees F. for about eight hours, thereafter aerating the pickle at a temperature of about 125 degrees F. for about 15 hours and thereafter pasteurizing the aerated pickle.

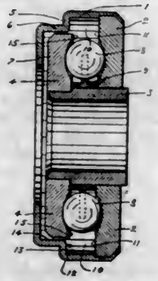
2. The method of curing meat which comprises pumping aerated used pickling brine into the meat.

2,241,031
TELEPHONE SYSTEM
William H. T. Holden, Long Island City, N. Y., and Francis A. Hubbard, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 23, 1940, Serial No. 315,142
11 Claims. (Cl. 179—18)



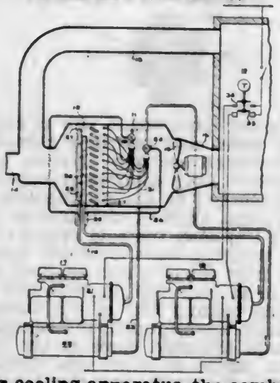
1. In a telephone system, a plurality of circuits, a bank of lamps containing one lamp for each circuit, means to control the lighting of said lamps in accordance with the busy or idle condition of said circuits, a cathode ray tube, means to focus an image of said bank of lamps on the screen of said tube, means to scan said screen, means responsive to the cathode ray beam striking an illuminated point on the screen to stop the scanning operation and to identify the corresponding circuit, and means to render said last-mentioned means responsive during a predetermined limited portion of said scanning operation.

2,241,032
LUBRICANT RETAINING CASING
Walter E. Horrocks, Lakewood, Ohio
Application August 1, 1938, Serial No. 222,351
3 Claims. (Cl. 308—233)



3. In a thrust bearing, the combination of a fixed race ring and a loose race ring having a larger external diameter than said fixed ring, said rings being co-axially spaced, rolling elements between the rings and means providing a lubricant chamber radially outward of said rolling elements comprising an annular housing member having a cylindrical portion secured at one end to the periphery of the loose ring and extending over the rolling elements, a portion extending from the other end of the cylindrical portion toward the bearing axis, an axial portion projecting from said last named portion parallel to and closely overlying the periphery of the fixed ring and a second radial portion extending inwardly from the axial portion along the outer surface of said fixed ring and spaced from said surface when said rings move toward each other.

2,241,033
AIR CONDITIONING APPARATUS
Leroy G. Huggins, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 2, 1938, Serial No. 211,364
9 Claims. (Cl. 62—6)

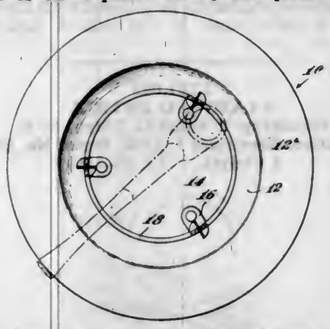


2. In air cooling apparatus, the combination of a cooling coil unit comprising a plurality of coils arranged in a bank, a common set of fins or heat transfer plates extending across said coils and arranged in heat conducting contact therewith, a first cooling fluid inlet common to alternate coils of said unit, a group of refrigerant distributor tubes respectively connecting said alternate coils to said first inlet, a second cooling fluid inlet common to the intervening alternate coils of said unit, and a second group of refrigerant distributor tubes respectively connecting said last-mentioned coils to said second inlet.

2,241,034
ASH RECEIVER
John W. Hutchby, Sudbury, and Kleanthees G. Granitsas, Marlborough, Mass.
Application May 15, 1939, Serial No. 273,694
3 Claims. (Cl. 131—240)

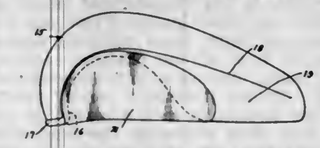
1. An ash tray consisting of a saucer having an upper internal conical surface merging into an intermediate surface of different configuration than the first surface which then merges into a flat surface, a ring in position above the flat surface and lying in a plane substantially parallel to the flat surface, said ring being spaced above the flat surface a distance approximately equal to the distance from the ring to a line where the conical surface merges into the intermediate surface, said distance being not less

than the greatest diameter of a cigarette, and means for supporting the ring in such spaced relation so that the upper edge of the conical surface is in a plane above the plane of the



ring and so that any normal line from a point in the ring to the intermediate surface is of a length substantially greater than the diameter of a cigarette.

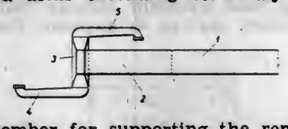
2,241,035
FENDER SHIELD
Herbert S. Jandus and Arthur P. Fergueson, Detroit, Mich., assignors to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application December 19, 1938, Serial No. 246,692
10 Claims. (Cl. 280—153)



7. The combination of a fender having a wheel access opening in its side and a fender shield for covering said wheel access opening, means near the center of the top of said opening for supporting said fender shield on the outside of said fender while permitting swinging thereof in a plane parallel to the side of the fender, means near one lower corner of said fender shield for engaging the edge of the fender and preventing swinging of said fender shield in one direction in a plane parallel to the side of the fender, and cam means near the other corner of said fender shield for engaging the edge of the fender and holding down and urging said fender shield to swing in the direction prevented by the second of said means, the fender engaging edge of said shield being developed so that it gradually diverges from said fender beginning at said supporting means and reaching a maximum at substantially the bottom of said shield, said means near the lower corners of said fender being arranged to hold said shield tightly against said fender.

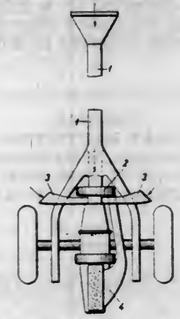
2,241,036
CHASSIS OF REAR-ENGINED MOTOR VEHICLES
Miloš Klavík, Prague-Smichov, Czechoslovakia
Application February 21, 1940, Serial No. 320,196
In Czechoslovakia June 14, 1938
1 Claim. (Cl. 180—54)

In a chassis for a rear engined vehicle including a main central chassis member having a fork at the rear end thereof, a cross member bridging said fork, arms extending rearwardly from the cross member for supporting the engine and arms extending forwardly from the



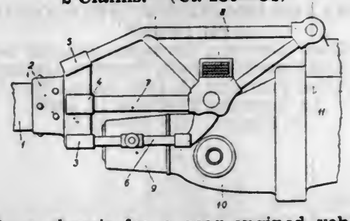
cross member for supporting the remainder of the driving unit independently of the engine.

2,241,037
VEHICLE HAVING AIR COOLED ENGINES AT THE REAR THEREOF
Miloš Klavík, Prague-Smichov, Czechoslovakia
Application February 21, 1940, Serial No. 320,197
In Czechoslovakia June 14, 1938
6 Claims. (Cl. 180—54)



1. In a vehicle having an air cooled engine disposed at the rear thereof, at least one double inlet blower for supplying cooling air to the engine, an induction system connected to one of the inlets of the blower and leading to the front part of the vehicle and an induction system in the rear part of the vehicle connected to the other inlet of the blower.

2,241,038
CHASSIS OF REAR-ENGINED VEHICLES
Miloš Klavík, Prague-Smichov, Czechoslovakia
Application February 21, 1940, Serial No. 320,198
In Czechoslovakia June 21, 1938
2 Claims. (Cl. 180—54)

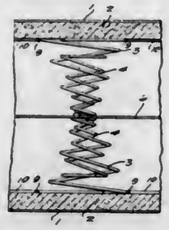


1. In a chassis for a rear-engined vehicle, a main central chassis member, an intermediate connecting member secured to said chassis member and embodying sockets, and a supporting framework including frame elements which engage in said sockets for connection thereof to the intermediate connecting member and thus to the main chassis member.

2,241,039
MATTRESS CONSTRUCTION
Norman D. Mattison, Montclair, N. J.
Application April 27, 1940, Serial No. 331,935
3 Claims. (Cl. 5—351)

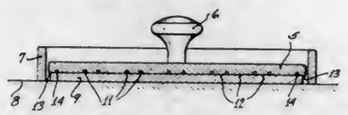
1. A mattress having the usual cover and the

usual layer of padding inside the cover on both sides of the mattress, springs between the layers of padding, and auxiliary springs within said first mentioned springs to augment the resist-



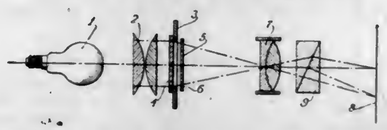
ance of said first mentioned springs when the latter have been subjected to a definite degree of compression, the resistance offered by said auxiliary springs being different in different areas of the mattress.

2,241,040
MEAT RECTIFIER
John L. Pringle, West Monroe, La.
Application March 27, 1940, Serial No. 326,138
7 Claims. (Cl. 53—5)



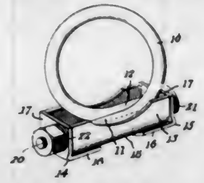
2. In a device for shaping and confining meat during cooking operations, a rectifying presser having a meat-engaging bottom face adapted to rest upon the top surface of the hot meat, said bottom face being provided with grooves for the circulation of vapors and hot moisture over the top of the meat, and meat-engaging members between said grooves, said grooves terminating in abutments at the outer margin of said bottom face to prevent free escape of the circulating vapors and moisture at said outer margin.

2,241,041
MEANS FOR PROJECTING STEREOSCOPIC PICTURES
Hans Sauer, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application February 11, 1939, Serial No. 255,991
In Germany February 12, 1938
9 Claims. (Cl. 88—16.6)



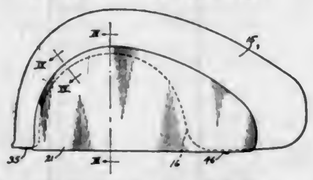
1. In a device for projecting stereoscopically associated pairs of pictures, the combination of a projection objective, a picture window in rear of said objective, polarizing filters adjacent and in front of said picture window, one for each of the two pictures of the pair to be projected, the axes of vibration of said polarizing filters being oriented in different planes, and double-refractive means in front of said objective adapted to project the stereoscopic pictures in the form of two superposed images of differently polarized light onto a screen without the formation of secondary images, said double-refractive means including at least two prisms arranged with their hypothenusal faces parallel and adjacent each other, one of said two prisms being a right-angled prism and being positioned with its optical axis at a right angle to the axis of said objective.

2,241,042
CLAMPING DEVICE
Winthrop T. Scarritt, Utica, N. Y.
Application December 1, 1939, Serial No. 307,046
2 Claims. (Cl. 24—19)



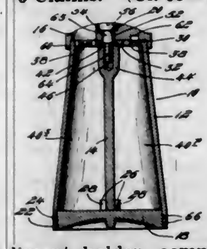
2. A clamping device including a length of resilient material bent upon itself to provide a loop portion having terminals extending outwardly in opposite directions coincidently tangent to the circumference of the loop portion, a coupling member including a channel section having a bottom wall provided with a convex outer face, end sections having angulated leaves, corresponding leaves of said end sections engaging respectively with the outer ends of the channel section and having apertures opening into and offset with reference to the longitudinal medial line of the channel, the other leaves of said end sections having concave upper faces engaging against the convex outer face of the channel section, said terminals being located within the channel section and having threaded ends protruding through the apertures in the leaves of the end sections, and nuts engaging the said threaded ends for holding the sections of the coupling member in assembled relation and for effecting a radial constriction of the loop by tightening the nuts against the end sections.

2,241,043
FENDER SHIELD AND MOUNTING MEANS THEREFOR
George W. Schatzman, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application May 5, 1939, Serial No. 271,915
9 Claims. (Cl. 280—153)



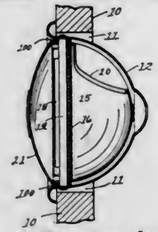
4. In a fender shield comprising a panel adapted to cover the wheel access opening in a fender having an inturned lower edge, means for supporting said fender shield on said fender including a supporting member having an end portion adapted to rest on top of said inturned lower edge beyond said wheel access opening and adjustable means for securing said supporting member to said panel with said end portion selectively positioned at any one of a plurality of different distances from the plane of said panel.

2,241,044
CONDIMENT HOLDER
Knut E. Birger Stenberg, Attleboro, Mass., assignor to Associated Attleboro Manufacturers, Inc., Attleboro, Mass., a corporation of Massachusetts
Application December 27, 1935, Serial No. 56,353
Renewed September 15, 1939
6 Claims. (Cl. 65—45)



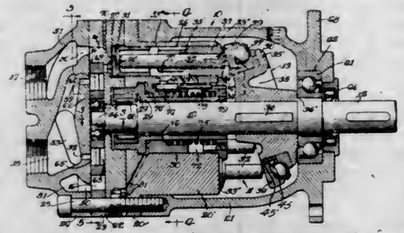
6. A condiment holder, comprising a molded integral composition tubular container member having an open lower end and a substantially flat upper end having a central hole and perforate dispensing portions therein spaced to leave an imperforate portion of greater width than the width of the perforate dispensing portions therebetween, a partition extending diametrically of the interior of said container to divide said container into two condiment compartments each having a perforate dispensing portion in the upper end thereof and having a threaded hole therein at the upper end thereof, a circular dispensing cap rotatably secured to the upper end of said container member having a central hole having an enlarged countersunk seat near the upper end thereof, a dispensing hole of approximately the width of said spaced perforate dispensing portions of each compartment respectively rotatable to be in alignment with one or out of alignment with both, and a threaded bolt having a head adapted to lie in said countersunk cap seat, a rounded bearing portion extending through said cap hole and container top hole and a lower threaded portion adapted to threadedly engage the threaded hole in said partition to rotatably secure said cap to said container and a detachable plug for the lower end of the container to abut the partition to seal the respective compartments from each other.

2,241,045
RECEPTACLE
John Visser, Grand Rapids, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States
Application March 29, 1935, Serial No. 13,688
7 Claims. (Cl. 206—19.5)



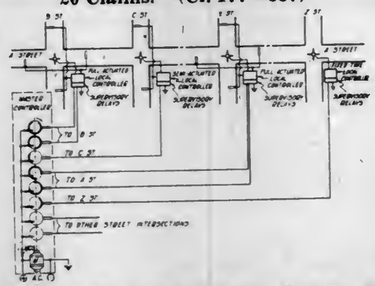
1. In a device of the class described, a semi-spherical shell forming a housing and provided with a pintle, and a semi-spherical container detachably mounted upon the pintle and rotatable into and out of the housing, said container having resilient clip means extending rearwardly therefrom and having a detachable snap-on engagement with said pintle.

2,241,046
FLUID MOTOR
Gunnar A. Wahlmark, Rockford, Ill.
Application February 7, 1938, Serial No. 189,049
17 Claims. (Cl. 121—119)



1. A two-speed fluid motor comprising, in combination, a casing, a plurality of low speed pistons, a plurality of high speed pistons, a driven shaft, means including an adjustable wobble plate connecting the pistons to drive said shaft, means for conducting fluid to and from said cylinders including a control device operable in one position to effect operation of the low speed pistons and operable in another position to effect operation of said high speed pistons, means for actuating said control device, and means for adjusting the wobble plate.

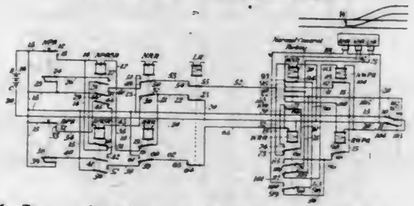
2,241,047
TRAFFIC CONTROL SYSTEM AND APPARATUS
Harry A. Wilcox, Bronxville, N. Y., assignor to Automatic Signal Corporation, New York, N. Y., a corporation of Delaware
Application February 20, 1936, Serial No. 64,841
20 Claims. (Cl. 177—337)



20. In a traffic control system for the intersection of two interfering traffic lanes including a first traffic lane and a second traffic lane, signalling means to accord and interrupt right of way in the lanes, traffic actuated means in the lanes, and a cyclic signal switching mechanism having a plurality of positions through which it is adapted to be operated including at least one position for accord of right of way to said first lane and another position for according right of way to said second lane, a minimum timer device connected with said mechanism to be energized by the latter in its said first position to maintain said mechanism in said first position according right of way to said first lane for at least a minimum period and connected normally to condition said mechanism at the end of such

minimum period for transfer to said second position to transfer right of way to said second lane in response to actuation of the traffic actuated means in said second lane, means including a connection with said mechanism in said first position and the traffic actuated means of said first lane to interrupt the normal timing operation of said timer device momentarily by actuation in said first lane to postpone such conditioning so as to prolong right of way on said first lane beyond said minimum, a supervisory switch device operating in continuously repeated time cycles of length much greater than said minimum time period in a first part of which cycle right of way is preferred to said first lane and in a second part of which cycle right of way is preferred to said second lane and in intervening parts of which cycle there is no preference for either lane, said supervisory device also including switching means operated in said first part of such cycle and connected to said mechanism to interrupt such conditioning of said mechanism by said minimum timer in said first position so as to prevent transfer of right of way from said first lane in said first part of such cycle if said mechanism is in said first position according right of way to said first lane, said supervisory device also including switching means operated in at least a portion of said first part of said cycle for connecting the traffic actuated means of said first lane to said mechanism in said second position directly to transfer said mechanism to its first position immediately in response to actuation on said first lane to force transfer of right of way to said first lane if said mechanism is then in said second position according right of way to said second lane.

2,241,048
SWITCH CONTROL AND INDICATION SYSTEM
Henry S. Young, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 31, 1939, Serial No. 265,257
12 Claims. (Cl. 246—219)



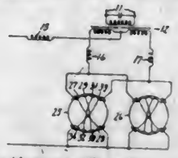
1. In combination, a railway track switch movable between a normal and a reverse position, a motor for moving said switch, a normal and a reverse control relay, means for selectively energizing the winding of one or the other of said control relays, a normal and a reverse indication relay, said indication relays being of a type the contacts of which become picked up when and only when the relay winding is energized with current of a particular polarity, a pair of supply conductors through which current may be supplied to the windings of said indication relays, one of the said indication relays being arranged so that its contacts become picked up when the relay winding is energized from said conductors at a time when current of one relative polarity is supplied to said conductors, the other of said indication relays being arranged so that its contacts become picked up when the relay winding is energized from said conductors at a time when current of the opposite relative polarity is supplied to said conductors, means governed in accordance with the position occupied by the switch for supplying current of one polarity or the other to said supply conductors, a contact of the normal control relay controlling the circuit for energizing the winding of the reverse indication relay from said supply conductors, a contact of the reverse control relay controlling the circuit for energizing the winding of the normal indication relay from said supply conductors, and means controlled by said control relays and also by said indication relays for controlling said motor.

2,241,049
LAMP SOCKET
George B. Benander, Oaklawn, R. I., assignor to Monowatt Electric Corporation, Providence, R. I., a corporation of Connecticut
Application July 4, 1939, Serial No. 282,760
2 Claims. (Cl. 173—358)



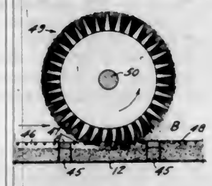
1. In a lamp socket, a contact shell having an inturned flange at one end, there being a tongue lanced from said flange, an insulated conductor having a bared portion, said tongue being bent over said bared portion into the plane of said flange for electrically connecting said conductor to said shell, a plate of insulating material seated within said shell and resting on said flange, a second plate of insulating material engaging the outside face of said flange and holding said tongue in position for clamping said conductor, a second insulated conductor having a bared portion resting on said second plate, and clip means extending through both of said plates and gripping the bared portion of said second conductor and holding said plates in clamping position against said flange, said clip means forming the center contact of the lamp socket.

2,241,050
ELECTRIC CIRCUITS
Burnice D. Bedford and Martin A. Edwards, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application June 1, 1938, Serial No. 211,194
12 Claims. (Cl. 175—364)



6. In combination, a direct current circuit, an alternating current circuit, an inductive network associated with said alternating current circuit, circuit interrupting apparatus interconnecting said inductive winding with said direct current circuit, said apparatus comprising a plurality of rotary distributors each having a conducting interval and a nonconducting interval, each of said conducting intervals being provided with a plurality of conducting segments, a plurality of brushes cooperating with said rotary distributors, and a plurality of saturable reactors connected between said brushes and said inductive networks for decreasing the rate of change of current to said brushes near the end of the conducting intervals of said distributors and during the circuit interrupting operation.

2,241,051
APPARATUS FOR MANUFACTURING MOLDED INLAID LINOLEUM
John L. Berger, Columbia, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application December 16, 1935, Serial No. 54,739
24 Claims. (Cl. 154—23)



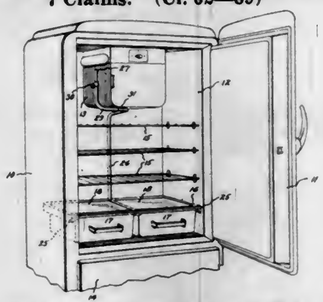
4. In an inlaying machine, the combination of a stencil having an opening therein, means for filling the stencil opening with comminuted inlaying composition, means movable across the stencil opening and effective for removing substantially all inlaying composition from within the stencil opening above the plane of the lower surface of the stencil, and means for moving said last named means across said stencil.

2,241,052
ELECTRIC SWITCH
Henry J. Blakeslee, Marlboro, Conn., assignor to The States Company, Hartford, Conn., a corporation of Connecticut
Application March 1, 1940, Serial No. 321,636
3 Claims. (Cl. 200—162)



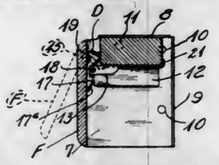
1. An electric switch comprising an insulating base, boxes of conducting material spaced apart on the base, said boxes being rectangular in transverse section and having aligned openings for receiving circuit terminals, means extending through the base and engaging the bottom walls of said boxes for securing them in position, means extending through the top walls of said boxes for securing circuit terminals therein, a channel shaped member of conducting material adapted to connect said boxes said channel member being of a length which is substantially the distance between the outer ends of said boxes and having an internal width which is the same as the external width of said boxes, means pivoting the side walls at one end of said channel member to the outside walls of one box in such relation that when the side walls at the free end of said channel member are in engagement with the outside walls of the other box, the boxes and the terminal securing means are covered by and are within the walls of channel member, and insulating material applied to and covering the outside surfaces of said channel member.

2,241,053
REFRIGERATING MACHINE
John B. Brightman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 25, 1940, Serial No. 331,563
7 Claims. (Cl. 62—89)



1. A refrigerating machine including a thermally insulated cabinet having a compartment to be cooled, a cooling unit arranged in the upper portion of said compartment, a pan for containing foods to be cooled, a rack arranged within said compartment and having guides for supporting said pan slidably in the lower portion of said compartment, said rack having an elongated chamber therein, and means including a refrigerating system of the secondary type for cooling said rack, said secondary system including said elongated chamber as an evaporating section and having a condensing section secured in heat exchange relation with said cooling unit.

2,241,054
HEADRAIL BRACKET
Fred J. Burns, Saginaw, Mich., assignor to The Columbia Mills, Inc., Saginaw, Mich.
Application November 6, 1939, Serial No. 303,025
5 Claims. (Cl. 156—17)

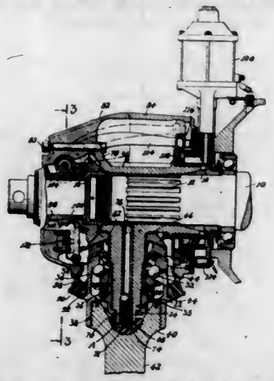


1. In a Venetian blind associated with a frame and having a headrail disposed adjacent the frame and supporting the blind, retaining means supported by the frame and including a shelf, a vertically disposed latch member pivotally mounted at a point intermediate its length to swing inwardly toward the headrail, the upper end of said latch member projecting about the face of the shelf to prevent removal of said rail, said latch being operable to swing the projecting upper end flush with the face of said shelf to permit unobstructed removal of said headrail.

2,241,055
ARTICULATED PROPELLER
Roland Chilton, Ridgewood, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application November 3, 1937, Serial No. 172,559
13 Claims. (Cl. 170—163)

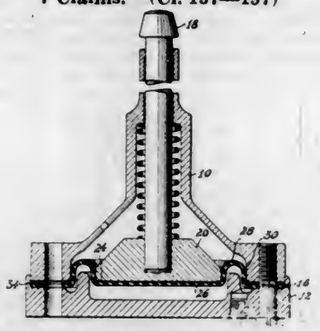
1. In combination, a propeller hub having a radially extended stub, a bevel gear journalled on

said stub; an anti-friction thrust bearing including a spherical seat establishing a center of articulation for said bearing spaced radially from said hub; a blade shank rigidly secured to a member of said bearing and universal joint means



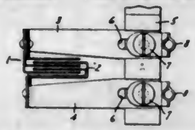
having its center of universal drive movement concentric with said articulation center drivably connecting said bevel gear and said blade, and a companion bevel gear drivably engaging said first mentioned bevel gear for pitch changing rotation thereof.

2,241,056
HYDRAULIC DIAPHRAGM
Roland Chilton, Ridgewood, N. J., assignor, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J., a corporation of New York
Application November 30, 1937, Serial No. 177,185
7 Claims. (Cl. 137—157)



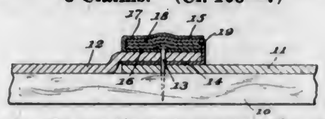
1. In a seal for a bored housing and a cylindrical plunger, a flexible diaphragm which comprises a radially slotted thin metallic disc, defining between said slots radially extending ribbons wider than the slots, each of the several ribbons having a loop portion with straight sides normal to the disc plane, the summation of the several loops forming an annular groove in the disc by which the original diameter of the disc is reduced in virtue of said loops, and a re-enforcing ring secured around the outer ends of said ribbons, said ring and the central portion of said disc respectively engaging the housing and plunger and being adapted for axial displacement with consequent rolling shift of the loop relative to the ring and central portion, the straight sides of the loops engaging the side walls of the housing and the plunger, said radial slots being reduced from their original width by the reduction in radius of the disc.

2,241,057
CAPACITANCE COMPENSATOR
Hardin T. Clark, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 14, 1938, Serial No. 245,686
3 Claims. (Cl. 175—41.5)



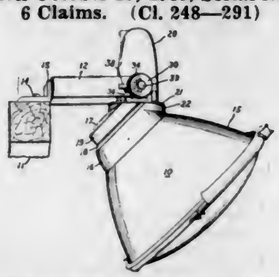
1. A capacitor compensator comprising a support, a plurality of spaced overlapping plates, means for securing said plates to said support including a bimetallic strip arranged in response to a temperature change to move one of said plates in its own plane in one direction to change the overlap of the plates and means by which one of said plates may be adjusted relatively to the other by movement thereof in a direction substantially at right angles to said direction thereby also changing the overlap of the plates.

2,241,058
ROOFING OR SURFACING MATERIAL
Sidney Lanier Eason, Charleston, S. C.
Application July 16, 1940, Serial No. 345,765
3 Claims. (Cl. 108—7)



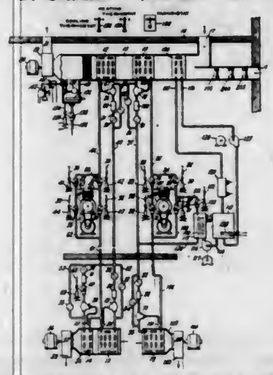
1. In roofing, adjacent courses of roofing material, a fabric strip extending along the adjacent edge of each course for fabric-to-fabric seal when the adjacent edges of said courses are brought into joint-forming relationship with each other, and a coating substance applied to at least one of said strips having cohesive affinity for said strips, but being non-adherent to said courses of roofing material.

2,241,059
LIGHT PROJECTOR
John P. Foulds, Revere, Mass., assignor to General Electric Company, a corporation of New York
Application October 19, 1939, Serial No. 300,177
6 Claims. (Cl. 248—291)



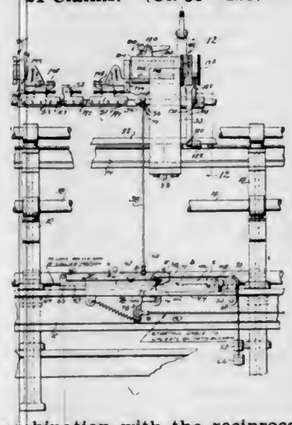
1. In a positioning device for a light projector, the combination of a bracket, a supporting surface contiguous to one side of said bracket, a pivot pin projecting through said bracket from said surface, a disc provided with a recess and mounted upon said pin contiguous to said bracket on a side opposite to said supporting surface, means for maintaining a constant angular relationship between said pin and said disc, and means for moving said disc axially of said pivot pin to clamp said bracket between said disc and said supporting surface.

2,241,060
HEAT PUMP SYSTEM
Hal Gibson, Dallas, Tex., assignor to General Electric Company, a corporation of New York
Application August 24, 1939, Serial No. 291,720
17 Claims. (Cl. 257—3)



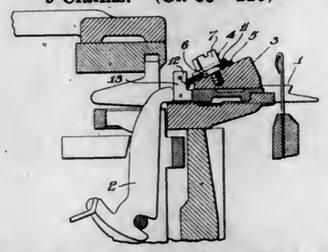
1. Apparatus for heating the air within an enclosure including a duct, a reversed cycle refrigerating machine comprising a compressor, a condenser, and an evaporator, said condenser being arranged within said air duct for heating air circulated therethrough, means for circulating air through said duct and into said enclosure, said evaporator comprising a pair of parallel connected heat exchanger units arranged outside of said enclosure and said duct, normally closed valve means for excluding one of said heat exchanger units from the refrigerant circuit, and means responsive to the temperature of air to be heated for opening said valve.

2,241,061
SPLIT SUTURE ATTACHMENT FOR FULL-FASHIONED KNITTING MACHINES
Frederick C. Good, Philadelphia, Pa.
Application September 2, 1938, Serial No. 228,101
21 Claims. (Cl. 66—128)



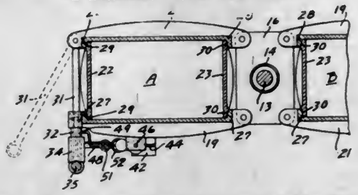
1. In combination with the reciprocating slur bar, pattern chain, and Coulier motion of a full-fashioned knitting machine provided with an attachment for selectively operating a plurality of its carrier rods in repeated sequence: a mechanism actuated through the reciprocation of said slur bar for arresting the selectively operated carrier rods at various points in the course of their traversing stroke, and controlled in its actuation by the slur bar through said pattern chain mechanism and Coulier motion.

2,241,062
VERGE PLATE
Frederick C. Good, Philadelphia, Pa.
Application August 18, 1939, Serial No. 290,736
9 Claims. (Cl. 66—110)



9. A verge plate structure comprising a base, a verge plate movably mounted on said base, adjustors for adjustably locating the verge plate on said base, and means for yieldably controlling the adjustable relative movement of said base and said plate.

2,241,063
BALING PRESS
Thaddeus S. Grimes and Nelson B. Henry, Columbus, Ga., assignors to Lummus Cotton Gin Company, a corporation of Georgia
Application January 9, 1939, Serial No. 249,944
4 Claims. (Cl. 100—19)

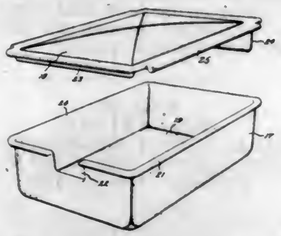


1. In a baling press having separable doors and a supporting member on which two of the doors are pivotally mounted, the combination of a hydraulic piston fast on one of said pivoted doors, a cylinder surrounding said piston, link means carried by the other of said pivoted doors and adapted to be engaged directly with the closed end of said hydraulic cylinder, means to introduce a fluid under pressure into said cylinder to cause the cylinder to engage said link and hold all of said doors assembled, and means to discharge the fluid from the cylinder.

2,241,064
FOOD STORAGE RECEPTACLE FOR REFRIGERATORS
George C. Harbison, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application October 31, 1939, Serial No. 302,178
4 Claims. (Cl. 62—1)

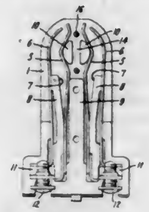
1. In a food storage receptacle, an open-sided member, a cover member for closing said open side, one of said members having a ventilating

aperture therethrough, and means for selectively providing different amounts of ventilation through said aperture, said means including a pair of elements carried by the other of said



members, said elements being of different areas and so constructed and arranged that the aperture is substantially unobstructed in one position of said cover member and is substantially closed in another position of said cover member.

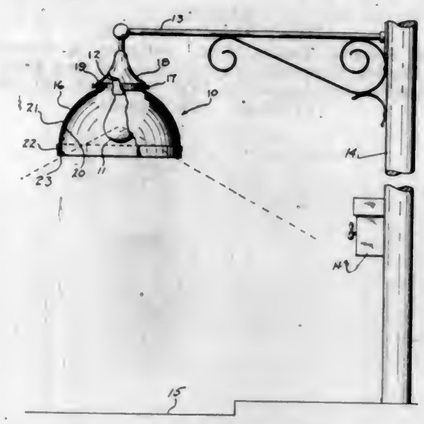
2,241,065
LAMP SOCKET
Frank J. Hawkins, Rugby, England, assignor to General Electric Company, a corporation of New York
Application October 28, 1940, Serial No. 363,224
In Great Britain December 8, 1939
7 Claims. (Cl. 173—328)



3. In a lamp socket for use with lamps having aligned contact pins adapted to be inserted in the socket by straight line motion and subsequent rotation therein, a support of insulating material having walls defining an opening in at least one face and a slot extending from said opening to an edge of said face, spaced flexible contact members mounted in said support within said opening, and a member of insulating material having a groove between said contacts, said slot and said groove being in alignment, and additional contact members carried by said housing outside said opening and being normally out of engagement with said first-mentioned contact members, rotation of the pins into engagement with said first-mentioned contacts flexing them outwardly into engagement with said additional contact members.

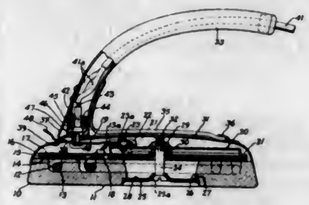
2,241,066
COMBINED ILLUMINATING AND SIGNAL LAMP
Edward Hicks and Charles L. Schnakenberg, Elmsford, N. Y.
Application August 25, 1937, Serial No. 160,764
13 Claims. (Cl. 240—73)

1. A combined illuminating and signal lamp comprising a shade, a light source within said shade, said shade being so formed that light may freely pass out of said shade in a predetermined cone of direct light rays, means to redirect within said predetermined cone a portion of the light from said source which strikes the inner wall of said shade, means forming a part of said



shade for coloring the light passing through the walls of said shade outside of said cone without coloring the light passing from said shade within said cone.

2,241,067
SADIRON
Osmund Holm-Hansen, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application September 9, 1939, Serial No. 294,165
12 Claims. (Cl. 219—25)

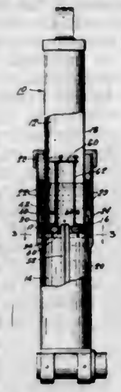


1. A light-weight pressing device comprising a sole plate formed of glass having a pressing surface, an electrical heating element mounted in direct thermal contact with said sole plate above said pressing surface, a heat reflecting member above said heating element for directing the major portion of the heat generated thereby to the material being pressed by said pressing surface by radiation through said glass sole plate, and said glass sole plate also conducting heat directly from said heat generating element through said sole plate to said material.

2,241,068
SHOCK STRUT
Carl V. Johnson, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 22, 1939, Serial No. 296,060
7 Claims. (Cl. 267—64)

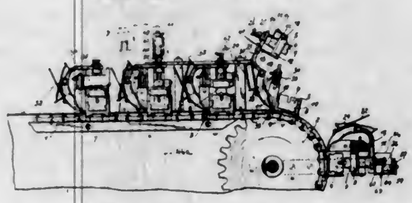
1. A shock strut comprising a pair of telescoping cylinders, a partition having a metering orifice associated with the inner cylinder to form a

piston head, by-pass means having a plurality of passages by-passing the piston head and



means to render said by-pass means inoperative except when the strut is fully extended.

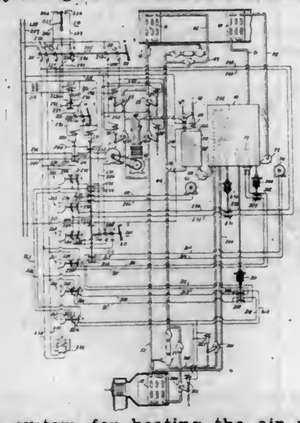
2,241,069
CIGAR FILLER PRESS
Herbert Rudolf Kasper, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinenfabrik J. C. Mueller & Co., Dresden, Germany
Application December 16, 1937, Serial No. 180,063
In Germany December 24, 1936
4 Claims. (Cl. 131—87)



1. A cigar filler compressing means comprising an endless conveyor, a lower mold member, means securing said member to said conveyor, an upper mold member, means swingably securing said upper mold member on said lower mold member, means normally biasing said upper mold member to open position, stationary means engageable with said upper mold member for swinging said upper mold member to a partially closed position, a mold closing lever engageable with said upper mold and movable therewith for a short distance to hold the upper mold in closed position, a pair of spring-operated clamping arms for each mold, and stationary means engageable with said arms when said lever is in mold closing position to swing said arms to clamping position.

2,241,070
HEAT PUMP SYSTEM
David W. McLenegan, Caldwell, N. J., assignor to General Electric Company, a corporation of New York
Application July 15, 1939, Serial No. 284,742
19 Claims. (Cl. 237—2)

7. A system for heating the air within an enclosure including a duct, a machine having a refrigerant compressor, a condenser and an evaporator, means for circulating air through said duct and into said enclosure, means including said condenser and a heat exchanger for heating the air circulated through said duct, a reservoir containing a heat storage liquid connected to said heat exchanger, a second condenser arranged for heating the liquid in said reservoir, means responsive to the temperature within said enclosure, means responsive to the actuation of said temperature responsive means for selectively connecting said compressor for supplying refrigerant either to said first or to said second condensers, and means responsive to a predetermined temperature of the liquid in said reservoir for precluding the operation of said compressor to supply refrigerant to said second condenser.

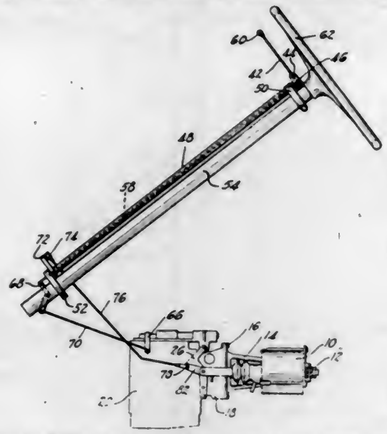


17. A system for heating the air within an enclosure including a duct, a reversed cycle refrigerating machine including a compressor, a first condenser unit arranged in said duct, a first evaporator arranged externally of said duct, a reservoir containing a heat storage liquid, a second condenser unit and a second evaporator unit arranged in the heat exchanging relationship with the liquid of said reservoir, means responsive to the enclosure temperature, means controlled by said enclosure temperature responsive means for selectively connecting said compressor to supply refrigerant either to said first or to said second condenser unit during one predetermined period, means responsive to a first predetermined temperature of the liquid in said heat storage reservoir for precluding the operation of said compressor to supply refrigerant to said second condenser unit during said predetermined period, additional heating means for the liquid in said reservoir, means for controlling the energization of said additional heating means during said predetermined period to heat said liquid to a second predetermined higher temperature, means controlled by said enclosure temperature responsive means for transferring the heat from said storage liquid to said duct during a second predetermined period, including said second evaporator unit.

2,241,071
TRANSMISSION OPERATING MECHANISM
Harold W. Price, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application August 8, 1938, Serial No. 223,629
6 Claims. (Cl. 74—335)

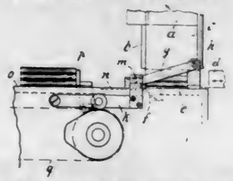
1. In an automotive vehicle provided with a transmission mechanism, the combination with shift rails for selectively associating gears in a plurality of ratios, of means for selecting one or the other of said rails to be actuated and then

moving the selected rail to establish the transmission in the desired gear ratio, said means including a pressure differential operated motor, a valve mechanism, comprising independently movable valve members, for controlling the operation of said motor, a shift rail operating crank, a transmission and valve operating selector member mounted adjacent the steering wheel of the vehicle, and force transmitting means interconnecting said latter member, the shift rail operating crank, the movable power element of the



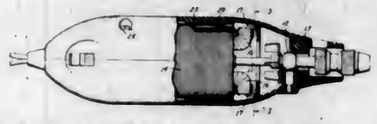
motor and the valve mechanism, said force transmitting means including two reaction levers pivotally connected to said crank, one lever on each side thereof, means, including a crank positioned by the side of one of the reaction levers and another crank positioned by the side of the other reaction lever, interconnecting the selector member, the shift rail operating crank, the reaction levers and one of the aforementioned valve members, and further including means interconnecting said reaction levers with the other of the aforementioned valve members.

2,241,072
APPARATUS FOR USE IN CONNECTION WITH MANUFACTURE OF CIGARETTES
Fritz Otto Raschke and Johann Paul Kochta, Dresden, Germany, assignors, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands
Application April 17, 1939, Serial No. 268,264
In Germany April 27, 1938
5 Claims. (Cl. 226—5)



4. Apparatus for the ejection of loose cigarettes in piles of multiple layers, comprising a vertical distributing passage for loose cigarettes arranged in superposed relation in said passage, said distributing passage having a lateral outlet opening adjacent the bottom thereof for cigarette piles of multiple layers of loose cigarettes, a horizontal plate below the bottom of said passage for supporting the lowermost layer of the pile, a plunger adapted to reciprocate longitudinally on said plate to displace the pile laterally of said passage through said outlet opening upon the inward movement of said plunger, the retiring movement of said plunger permitting the loose cigarettes in said distributing passage to gravitate on to said plate into a pile of multiple layers, movable means having a substantially vertical contact face adjacent said outlet opening so positioned and arranged with respect to the cigarettes, that in one position of said movable means, said contact face engages the front end of each of the cigarettes of the pile of loose cigarettes gravitating on to said plate upon the retiring movement of said plunger, to prevent longitudinal displacement of the multiple layers of the cigarette pile through said outlet opening during the retiring movement of said plunger, and means for moving said movable means into and out of engagement with the ends of the cigarettes of said cigarette pile in timed relation to the reciprocation of said plunger.

2,241,073
DYNAMOELECTRIC MACHINE
Julius H. Staak, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application July 10, 1940, Serial No. 344,722
4 Claims. (Cl. 172—36)



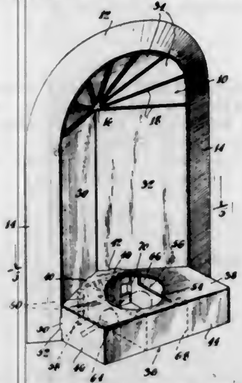
1. A dynamoelectric machine having a stationary member and a rotatable member, a groove formed in one side of said stationary member, a supporting casing for said dynamoelectric machine members, a spring arranged in said groove of said stationary member, and means including a rib on said casing arranged in engagement with said spring to bias said spring towards said stationary member for retaining said stationary member in position in said casing.

2,241,074
ACCORDION STRAP ATTACHMENT
Fred Stuchly, East Pittsburgh, Pa., assignor of one-half to Karl Staub, Turtle Creek, Pa.
Application December 30, 1939, Serial No. 311,864
3 Claims. (Cl. 24—233)



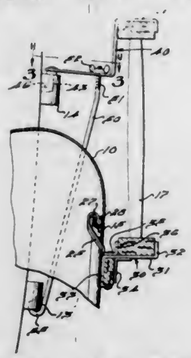
1. A fastener of the character described comprising the combination of an outer section, an inner section, said sections being constructed of sheet metal and further being of considerable width, a tri-angularly shaped strap link, one end of each of said sections being fixedly secured to a common side member of said link, a hook formed at the free end of said outer section, each of said sections being formed with a pocket disposed intermediate of the ends thereof, said outer section being provided with a pair of laterally opening slots disposed adjacent to said hook at respective side edge margins of said outer section, a spiral spring engaged in said pockets and being normally operable for forcing the free end of said inner section against the free end of said hook, and a pair of retaining lugs carried at the respective corners of the free end of said inner section and engaging in said slots.

2,241,075
DISPLAY
Frederick A. Sunderhauf, Rutherford, N. J., and Carl H. Stolte, New York, N. Y., assignors to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application March 27, 1939, Serial No. 264,414
5 Claims. (Cl. 248—152)



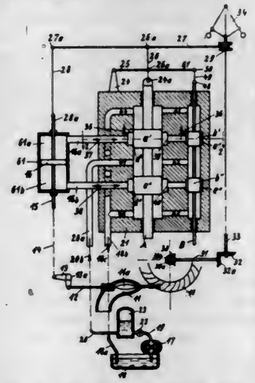
5. In a one-piece die scored and die cut flat collapsible display, a main body member collapsible generally flatwise and foldable in at least two vertical planes, a foldable segmental portion integral therewith having its apex intermediate the top and bottom of the body member with the base of the segmental portion extending to the bottom portion of the main member, a flat collapsible platform hingedly connected with said body member, and connective means for assembling the display so that the main member is generally upright and the platform member forms a platform and so that the segmental foldable member is folded and the body member is tensioned into at least two generally vertical planes, the said segmental portion when folded, being adapted to aid in maintaining display in upright position, said segmental tuck being approximately perpendicular to the body member.

2,241,076
LADDER CARRIER
Axel G. Sundstrom, Detroit, Mich., assignor of one-half to Norman H. McColl, Detroit, Mich.
Application January 17, 1938, Serial No. 185,374
3 Claims. (Cl. 224—29)



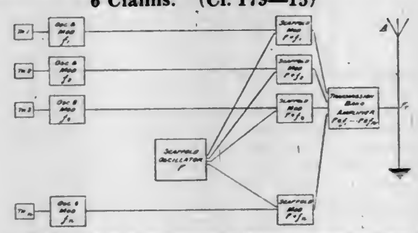
1. In combination, a motor vehicle having a front fender, a rear fender, and a door hinged thereto by means of upper and lower leaf hinges, a device on each fender for supporting the lower side member of a ladder or the like, a bracket engaging the upper side of the ladder for holding the latter on the devices, means on the bracket and projecting downwardly between the leaves of the upper hinge, and means hooked between the leaves of the lower hinge and adjustably connected to the bracket for drawing the latter downwardly against the ladder.

2,241,077
REGULATOR DEVICE FOR POWER MACHINES
Dieter Thoma, Munich, Germany, assignor to American Voith Contact Co., Inc., New York, N. Y., a corporation of New York
Application March 6, 1939, Serial No. 259,981
In Germany March 28, 1938
6 Claims. (Cl. 121—42)



1. A regulator device for power machines, comprising an auxiliary motor actuated by a pressure fluid for changing the position of the inlet member of the machine, a plurality of valves for supplying to and discharging from said auxiliary motor the pressure fluid, one of said valves being a main control valve and one a fine control valve, a governor, responsive to the speed of the power machine, and connections between said governor and said valves, the connections including an extended lever for first opening the fine control valve before opening the main control valve, to enable the pressure fluid to first flow from the fine control valve to the auxiliary motor or to first flow from said motor to said fine control valve, before the main control valve is operated.

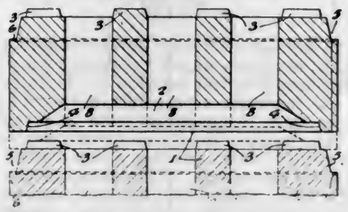
2,241,078
MULTIPLEX COMMUNICATION
Frederick K. Vreeland, Montclair, N. J.
Application November 1, 1937, Serial No. 172,159
6 Claims. (Cl. 179—15)



1. The method of multiplex communication by

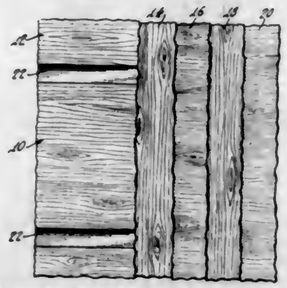
a plurality of groups of signal frequencies which consists in producing a plurality of high carrier frequencies closely spaced in the frequency scale by modulating a frequency not required for transmission with a plurality of low carrier frequencies relatively widely spaced in comparison with their frequency scale, separating a band of frequencies including the several high carrier frequencies from the frequency not required for transmission, transmitting the separated carrier frequencies, superimposing signal modulations on the several high carrier frequencies by modulating the low carrier frequencies with the several groups of signal frequencies, transmitting the superimposed signal modulations with the high carrier frequencies, receiving the transmitted carrier frequencies with their modulations, combining the received frequencies with a beating frequency having a value closer to the received frequencies than the frequency not required for transmission, demodulating the combined frequencies and producing by the combination and demodulation modulated beat carrier frequencies at a lower frequency level than the modulated low carrier frequencies and relatively more widely spaced in the frequency scale but preserving the beat carrier frequencies and their modulations in their true mutual relations, selectively separating and separately demodulating the several modulated beat carrier frequencies and producing by the demodulation replicas of the several groups of signal frequencies.

2,241,079
BUILDING BRICK
William Henry Whitten, Bexley Heath, England
Application May 11, 1939, Serial No. 272,939
In Great Britain September 29, 1938
1 Claim. (Cl. 72—41)



A building brick or the like comprising a body portion having an under face providing a complete rim projecting downwardly from the same and having an offset shoulder set back from the lower face of the rim and having a tapering frog portion sloping inwardly upward from the said offset portion, the said body portion having an upper face providing a plurality of projections at evenly spaced points, said projections of one brick fitting at side edges within the said rim of a superposed brick and of greater width than the said offset portion so that in building with the bricks each will provide upper surface portions of said projections underlying said frog portion of a superposed brick in addition to portions of said upper faces of the projections engaging said offset portions of a superposed brick, whereby surface engagement between the said projections and offset portion of contiguous bricks will be less than the full surface area of the tops of the projections for obtaining temporary stable seating of a superposed brick and enable grouting cement or the like to be inserted thereafter between the frog of the superposed brick and the portions of the said projections underlying said frogs for both increasing the support for the superposed brick from the projections of the underbrick after assembly and for securing increased bonding between the said bricks, said rim cooperating with the upper surface of the lower brick circumferentially beyond the said projections for confining the grouting cement between the bricks, said bricks having apertures therethrough for introduction of said grouting cement after assembly of the superposed brick in place.

2,241,080
GROOVED PLYWOOD FACING
Miles H. Carpenter, Merrick, N. Y., assignor to Duramore Buildings, Inc., Brooklyn, N. Y., a corporation of New York
Application September 7, 1940, Serial No. 355,733
1 Claim. (Cl. 20—91)

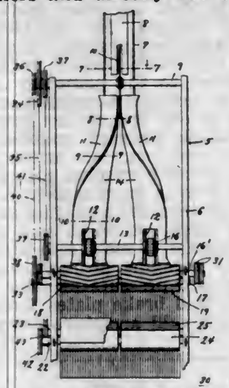


A shadow-lined plywood facing panel comprising a plurality of bonded together wood laminations, the grains of adjacent laminations extending at right angles to each other, a plurality of grooves in the outermost of the laminations, said grooves being spaced-apart and parallel to each other to simulate weatherboarding, and parallel to the grain of the wood in said outermost lamina, said grooves extending through a substantial part of the thickness of the outer lamina but to a depth of less than its full thickness, whereby the bond between the outermost and its adjacent lamination is not broken or exposed, said grooves having their upper sides generally perpendicular to the face of the outermost lamina and their lower sides sharply angled downwardly and outwardly therefrom to cut across the grain striations in a plane different from the plane of the face of the outermost lamina, said lower sides being shadowed by the respective upper sides to form shadow lines within the grooves.

2,241,081
FRUIT JUICE EXTRACTOR
William E. Clark, Winter Haven, Fla.
Application February 23, 1937, Serial No. 127,334
1 Claim. (Cl. 146—3)

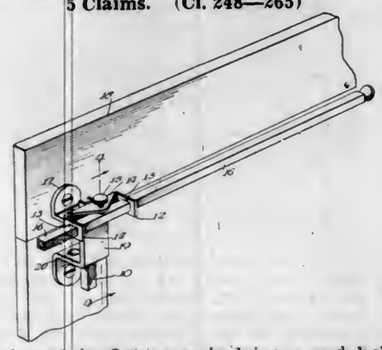
A juice extractor for citrus fruits comprising, means for cutting the fruit into sections, a juice-receiving trough arranged adjacent the lower end of the extractor, an arcuate rind and pulp separator grid extending over and beyond one longitudinal edge of the trough, a pair of parallel primary juice extracting rollers arranged above the grid for receiving the sections of the fruit, with one roller disposed completely on the inner side of the grid, and the other roller partially in front of the grid, means for conveying and delivering the sections of fruit from the cutting mechanism to the primary juice extracting rollers above the grid, and a secondary pair of parallel rollers disposed between the trough and the

primary rollers and directly above said trough,



the grid lying between the rollers of the last-mentioned pair of rollers.

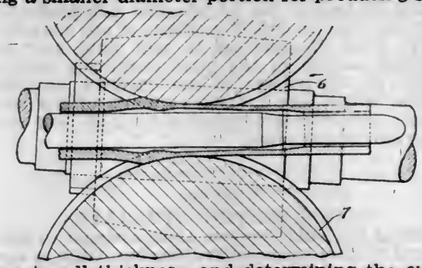
2,241,082
CURTAIN FIXTURE
Albert J. Dabelstein, Chicago, Ill.
Application December 13, 1940, Serial No. 370,035
5 Claims. (Cl. 248—265)



1. A curtain fixture embodying a rod holder, said holder embodying a stem, a head carried by the end of the stem and projecting laterally beyond opposite sides thereof, the extremities of the head being shaped to form spaced end members disposed at substantially right angles to the head and provided with alined openings therethrough for the reception of a curtain rod, means engaging the rod intermediate said end members for maintaining said rod against longitudinal movement in said openings, and means for rotatably and removably supporting said fixture by said stem.

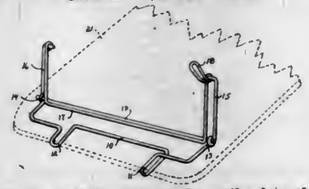
2,241,083
METHOD OF MAKING UPSET SEAMLESS TUBING
Samuel E. Diescher, Pittsburgh, Pa., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa., a corporation of Delaware
Application November 7, 1938, Serial No. 239,211
7 Claims. (Cl. 80—62)

1. The method of elongating a heated tubular blank and simultaneously reducing its wall principally to a normal and locally to an upset thickness, which comprises cross-rolling the blank continuously from end to end between helically acting reducing rolls and on a longitudinally moving mandrel having a normal-diameter cylindrical portion cooperating with the reducing rolls for determining said normal wall thickness and having a smaller diameter portion for producing said



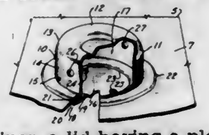
upset wall thickness, and determining the outer diameter of the formed tube by surfaces bearing on the blank and moving in the direction of its longitudinal movement.

2,241,084
CLOTHING OR LIKE SUPPORTING MEMBER
Rachel A. Dobbins, Des Moines, Iowa, assignor of one-half to Joseph G. Slottow, Chicago, Ill.
Application April 10, 1939, Serial No. 267,043
1 Claim. (Cl. 38—141)



In a device of the class described, a frame designed to be secured to a horizontal ironing board, a bar substantially round in cross section on said frame and designed to rest adjacent the top of an ironing board, and an inverted U-member having its two end portions operatively hingedly secured to said frame and its center portion normally resting back of said bar and in the same horizontal plane as said bar, whereby a sheet member may be gripped between said bar and U-member by passing upwardly between said central portion of said U-member and said bar.

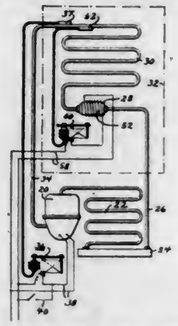
2,241,085
CONTAINER FOR FLOUR AND SIMILAR PRODUCTS
Earl C. Garratt, Kansas City, Mo., assignor to The Kansas Flour Mills Corporation, Kansas City, Mo., a corporation of Delaware
Application May 26, 1938, Serial No. 210,285
1 Claim. (Cl. 220—44)



In a container, a lid having a plane-like under surface provided with an opening therethrough, a dome-like member inset in said opening and having a vent aperture in the side thereof, a plate cooperating with the dome-like member to form a trapping chamber and having a centrally depressed plane-like portion provided with an open vent aperture located in the margin of said depressed portion and flush with the upper surface of the plate, and means connecting the

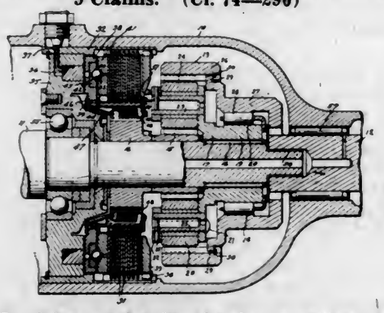
dome-like member including said plate to the lid with said depressed plane portion substantially parallel with and spaced below the plane-like under surface of the lid whereby said plane-like surfaces tend to deflect contents of the container away from the aperture in said plate, said depressed portion of the plate forming a shallow sump in the bottom of the trapping chamber across which any trapped contents of the container sifts into the container through said vent aperture in the plate.

2,241,086
REFRIGERATING APPARATUS
Richard E. Gould, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application January 28, 1939, Serial No. 253,434
12 Claims. (Cl. 62—8)



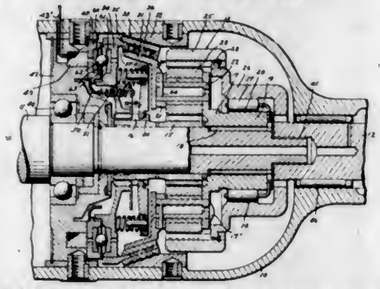
3. Refrigerating apparatus including a closed circuit containing compressing, condensing and evaporating means, and also restrictor means providing a continuously and uniformly open capillary passage of great length in proportion to its cross section for controlling the flow of liquid from the condensing means to the evaporating means, and means independent of said closed circuit for changing the temperature of said restrictor means for changing the frictional resistance of the flow of refrigerant through the restrictor means.

2,241,087
MOTOR VEHICLE
Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application July 12, 1940, Serial No. 345,062
5 Claims. (Cl. 74—290)



1. In drive mechanism having a casing, drive and driven shafts in the casing and planetary gearing in the casing having a ring gear fixed to rotate with one shaft and a planet carrier fixed to rotate with the other shaft and a sun gear, control means for establishing drive through the planetary gearing comprising a series of axially shiftable friction brake plates alternately splined to the planetary gearing sun gear and to the casing, a backing member splined to the casing at one end of the series of plates, an axially slidable pressure member splined to the planetary sun gear, an armature member adjacent the pressure member rotatably mounted on the sun gear, a magnet fixed to the casing, servo means between the armature and the pressure member operative when said armature is held by the magnet to move said pressure member into plate engaging position, and yieldable means urging said pressure member in a direction releasing said brake plates from frictional engagement and said armature away from said magnet.

2,241,088
MOTOR VEHICLE
Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application July 16, 1940, Serial No. 345,800
8 Claims. (Cl. 74—290)

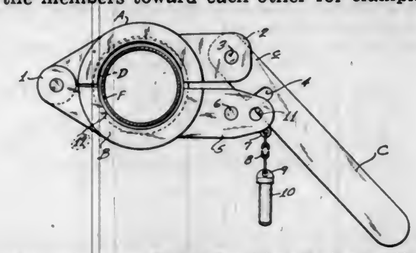


1. In drive mechanism having a casing in which drive and driven shafts are connected by planetary gearing, control mechanism for the planetary gearing comprising a clutch member fixed to one member of the planetary gearing, a brake member fixed to the casing, a shiftable control member slidably splined to a member of the planetary gearing other than that to which the clutch member is fixed, said control member being shiftable to engage either the brake member or the clutch member, an armature member adjacent the control member, servo means operable between said control member and said armature member, electromagnetic means operable to shift said armature in one direction, and spring means operable to move said armature member oppositely to movement by said electromagnetic means.

2,241,089
PIPE COUPLING CLAMP
Carl Hampe and Everett Kleisly, St. Louis, Mo., assignors of one-third to Otto A. Hampe, St. Louis, Mo.
Application January 18, 1940, Serial No. 314,482
1 Claim. (Cl. 285—129)

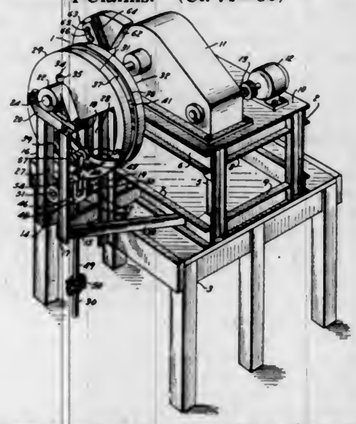
A clamp including a pair of pivotally connected semi-cylindrical companion members each having a circumferential groove on its inner face having oblique side walls, said members pivotally connected at a point spaced outwardly from the axial line of the clamp by a distance substantially greater than the external radius of the clamp and adapted for encircling disposition upon the end

portions of opposed pipe sections having shoulders of complementary shape for engagement in said grooves, and means for drawing the free ends of the members toward each other for clamping



engagement around the shouldered pipe sections whereby, upon application to the pipe sections, the walls of the groove progressively engage said shoulder.

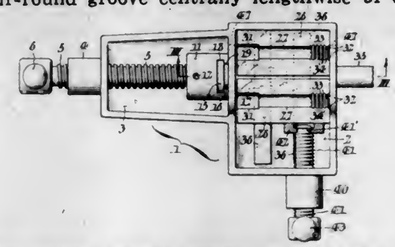
2,241,090
PUMPING UNIT
James R. Henry and Roy P. Downing, Tulsa, Okla.
Application January 3, 1939, Serial No. 249,177
4 Claims. (Cl. 74—50)



1. In a pumping apparatus of the character described, a supporting frame having a lateral extension, spaced posts carried by said extension and forming a vertical guideway, a bearing carried at the upper ends of said posts, a shaft rotatably mounted in said bearing, a rotor eccentrically mounted on said shaft having an eccentric track, a roller mounted on said track, a link pivotally suspended from the axis of said roller, a cross head having guide means operating in said guideway, means pivotally connecting the cross head with said link, and means connecting the cross head with a polish rod.

2,241,091
TUBE-END EXPANDER
Josa Allen Hood, Philadelphia, Pa.
Application June 8, 1939, Serial No. 278,061
3 Claims. (Cl. 153—80.5)

1. A tube-end expander of the type described comprising a box-like open structure embodying rectangularly-related communicating sections and means for securing said structure in rigid position, an operating screw journaled centrally lengthwise in one of the sections, a chuck at the inner end of said screw, a tangentially active fulcrumed means carried by the chuck for holding differential expander tools therein, coactive rectangular-section die blocks in the other section adjoining one wall, means for supporting said blocks in slightly spaced relation relative to the bottom inner face of the box-like structure and in planar alignment with the operating screw, each said die block having a substantially half-round groove centrally lengthwise of each



longitudinal face and respectively of differential curvature with an annularly-related expander portion of greater curvature at one end and an inwardly located series of spaced groovings defining tube-gripping arcual teeth at the other end, and a screw journaled in a bearing in the second mentioned section with a follower-head operative to clamp the die blocks in mating relation.

2,241,092
LAWN SPRINKLER
Leo Jurgilanis, Milwaukee, Wis.
Application May 5, 1939, Serial No. 271,981
1 Claim. (Cl. 299—57)

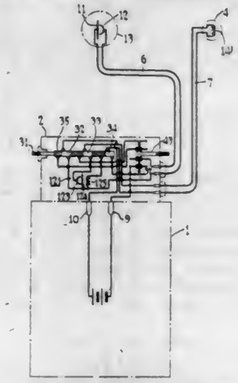


A lawn sprinkler comprising, an elongated hollow body having a flat lower surface formed directly thereon for resting on the ground, said body being adapted to be filled with water, whereby the weight of the water and the body will hold the sprinkler firmly on the ground, a hose connection carried by the body, an upwardly extending neck formed on one end of the body and communicating therewith, a hollow head rotatably mounted on the neck, a laterally disposed hollow extension formed on the head and communicating therewith and eccentrically disposed relative to the vertical axis of the neck, said hollow extension having formed an one side thereof only a plurality of rows of water escape openings.

2,241,093
HEARING AID
Hugo Lieber, deceased, late of New York, N. Y., by Dora Lieber, executrix, New York, N. Y., assignor to Lieber Patents Corporation, a corporation of New York
Application June 16, 1938, Serial No. 214,025
2 Claims. (Cl. 179—107)

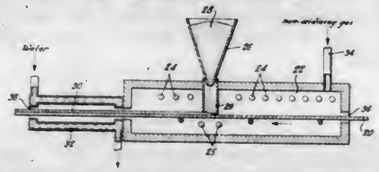
1. In a wearable hearing aid device; a microphone transmitter unit; a receiver having a receiver actuating winding; a battery having two battery terminals; a microphone amplifier unit comprising an amplifier actuating winding, an amplifier microphone having two microphone electrodes, two amplifier supply terminals detachably engaging said battery terminals; one end of said amplifier winding and one of said

amplifier microphone electrodes being connected to one of said amplifier supply terminals; cord leads extending between said amplifier unit, said transmitter unit and said receiver and mechanically joining the same; portions of said cord leads forming parts of an input circuit interconnecting said battery and said amplifier winding in series with said transmitter unit and parts of an output circuit interconnecting said amplifier winding with said receiver; and switching means embodied in one of said units and having circuit opening contact elements connected in



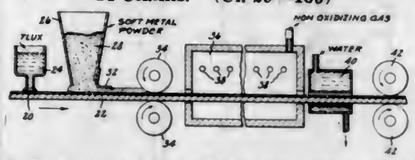
said input and output circuits; said switching means including a movable member operative to actuate said contact elements between a position in which they complete said input circuit and said output circuit for supplying to said receiver amplified output currents corresponding to the input currents supplied to said microphone amplifier unit and a position in which said receiver is directly connected to said transmitter unit while said cord leads are maintained and extend in the same normal condition between said transmitter unit, said receiver and said amplifier unit.

2,241,094
METHOD OF MAKING COMPOSITE ARTICLES
John T. Marvin, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 6, 1939, Serial No. 272,151
10 Claims. (Cl. 29—189)



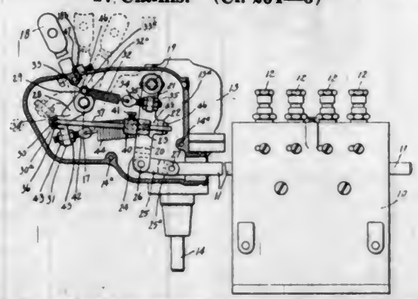
1. The steps in a continuous method of applying a porous metal layer upon a strip of steel or the like comprising, continuously passing strip material into a sintering furnace, heating the strip under suitable conditions to a temperature sufficient to cause metal powder to bond thereto, applying metal powder in a uniform non-compacted layer, whereby the metal powder is heated to the temperature of the strip and is thereby sintered together and simultaneously bonded to the surface of the strip and then cooling the composite strip so formed.

2,241,095
METHOD OF MAKING POROUS METAL STRUCTURES
John T. Marvin, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 1, 1940, Serial No. 316,747
14 Claims. (Cl. 29—189)



1. In a method for making composite material, the steps comprising: providing a highly porous matrix by sintering a loose layer of non-compacted metal powder upon a supporting member, distributing a uniform layer of soft low melting point metal powder upon said matrix, compressing the metal powder to force a substantial portion thereof into the pores of the matrix, and then heating the material under suitable conditions and at a temperature above the melting point of the metal powder and below the melting point of the matrix to cause the metal powder to melt and flow into the pores of the matrix whereby a composite article is produced having the matrix thereof impregnated with the soft metal.

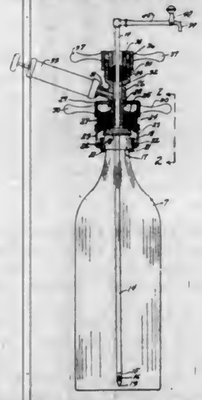
2,241,096
WIDE RANGE GOVERNOR FOR DIESEL ENGINES
Neel M. McCullough, Anderson, Ind., assignor to The Pierce Governor Company, Anderson, Ind., a corporation
Application December 24, 1937, Serial No. 181,680
17 Claims. (Cl. 264—3)



2. In a single governor structure for an engine, the combination of a lever, a single centrifugal device connected thereto for lever movement, a manually operable means for moving the lever, a pair of springs, and means operatively connecting said springs to the manually operable means and lever such that the lever is always spring constrained, said spring constraint being applied by each spring in succession and independently of the other spring time of application.

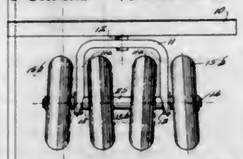
3. In a single governor structure for an engine, the combination of a single centrifugal device, arm means tiltable by the device, a fuel control means connected to the arm means remote from the tilting axis thereof, a main load spring connected to the arm means between the control means connection thereto and the tilting axis thereof, an auxiliary spring operatively connected at one end to the arm means between the tilting axis thereof and the load spring connection to the arm means, the opposite end of the auxiliary spring being relatively stationarily mounted, and lever means pivotally supported between the springs and including a manually movable end and an oppositely directed extension to which the other end of the load spring is connected.

2,241,097
LIQUID DISPENSING SYSTEM AND A CAP THEREFOR
Stephen Mezzapesa, New York, N. Y.
Application June 27, 1939, Serial No. 281,322
10 Claims. (Cl. 225—22)



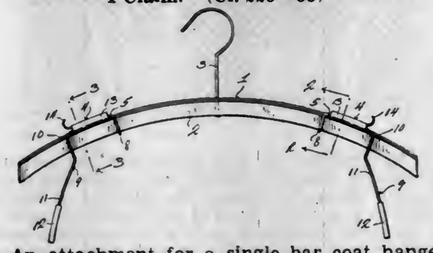
1. In a liquid dispensing system for liquid held under gaseous pressure in a container, a cap fastened to the container for hermetically sealing the same, said cap having a tough outer shell and a gasket inside, said gasket comprising a gas-tight but readily pierceable material, the shell having an opening in its top and the gasket initially being intact across said opening, a tube inserted into the container through the opening in the shell and by piercing the gasket, the bottom of the tube reaching substantially to the bottom of the container, means for sealing the outside of the tube to the container, said means providing an air passage between itself and the tube, means for pumping air into said passage the air being forced past the gasket into the container from said passage, and valve means on the tube for manually controlling the discharge of the liquid from the container.

2,241,098
ROAD ROLLING MACHINE
Arthur S. Miller, Fargo, N. Dak., and John R. Ritchie, Minneapolis, Minn., assignors, by direct and mesne assignments, to Wm. Bros. Boiler & Mfg. Company, Minneapolis, Minn., a corporation of Minnesota
Application July 13, 1938, Serial No. 219,022
5 Claims. (Cl. 94—50)



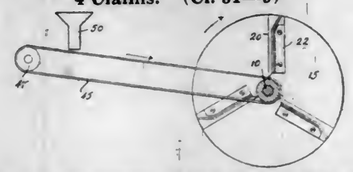
1. A device for rolling and packing material having in combination, a frame, an axle mounted on said frame, a plurality of laterally spaced wheels each provided with a hub and making a fixed acute angle with said hub, each of said hubs revolving concentrically with said axle and said wheels having tires thereon of yielding material whereby said wheels will wobble when said device is progressed.

2,241,099
ATTACHMENT FOR COAT HANGERS
William James Eyrl Mills, Hollywood, Calif.
Application August 17, 1937, Serial No. 159,564
1 Claim. (Cl. 223—88)



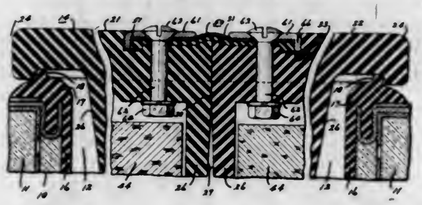
An attachment for a single bar coat hanger, comprising an elongated unit adapted to be positioned upon the bar longitudinally thereof and including two longitudinally extending side portions having a convergent relation toward the outer end of the bar and having a yoke connecting their inner ends and formed to pass around the under side of the bar, the said inner ends of the side portions being spaced apart a distance slightly greater than the width of the bar and the convergent ends of the side portions being spaced apart a distance slightly less than the width of the bar whereby said convergent ends will engage the top corners of the bar to fulcrum thereon, the said convergent ends of the side portions extending downwardly and being joined together at the under side of the bar to form an elongated arm, a plate joining said side portions and spaced at its ends inwardly from the ends of the said side portions, said plate having its longitudinal edges rolled around the side portions, and a second plate having side edge portions turned to form guides which receive the rolled edges of the first plate and having an upwardly extending tongue upon one end, said second plate being slidably coupled with the first plate.

2,241,100
MECHANICAL PROJECTING APPARATUS
Nelson J. Quinn, Toledo, Ohio, assignor of one-half to Horace B. Fay, Shaker Heights, Ohio
Application November 2, 1936, Serial No. 108,803
4 Claims. (Cl. 51—9)



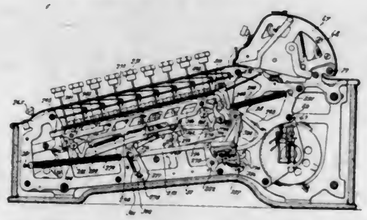
3. In a centrifugal abrasive projecting machine, a rotatably mounted shaft, a disk shaped support fixed to rotate with said shaft, spaced abrasive propelling blades carried by said support and projecting laterally from one face thereof, a power-operated feed belt extending from a point exterior to said support to a point adjacent the path of rotation of said blades for positively feeding abrasive into the path of rotation of the inner ends of said blades as they arrive at a predetermined point during rotation.

2,241,101
REFRIGERATING APPARATUS
Wilford H. Teeter, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application April 6, 1939, Serial No. 266,438
10 Claims. (Cl. 220—30)



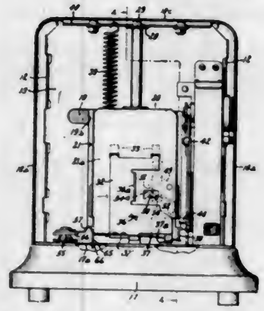
1. In combination with a wall member having an opening adjacent thereto and a movable door member normally closing the opening, a hinge comprising a single piece of resilient non-metallic material extending over a part of said wall member and over a part of said door member and forming the sole connection between said members, means for securing a portion of said hinge to a surface of said wall member adjacent said part thereof, means for securing another portion of said hinge to a surface of said door member adjacent said part thereof, said part of said wall member and said part of said door member beneath said hinge extending beyond the plane of the surface of said members to which said hinge portions are secured and engaging a portion of said hinge intermediate its secured portions, and said extending part of said members normally maintaining said intermediate portion of said hinge bowed in a direction opposite its direction of movement by said door member to dispose a part of said bowed hinge portion at the neutral axis of movement thereof.

2,241,102
CALCULATING MACHINE
Joseph A. V. Turck, Wilmette Ill., assignor to Felt & Tarrant Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 16, 1930, Serial No. 452,876
Renewed March 29, 1939
10 Claims. (Cl. 235—62)



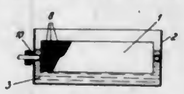
1. In a calculating machine having a plurality of denominational orders of actuating mechanism, a power unit for operating said actuating mechanism, and a clutch for each order of said actuating mechanism selectively and individually controlled to deliver power in set increments of action to a said order of actuating mechanism from said power unit; a multiplier control mechanism for automatically controlling the denominational actuating mechanism, including means for repeatedly and positively engaging said clutches with said power unit a predetermined number of times.

2,241,103
TOASTER
Harry W. Uhlrig, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application September 15, 1939, Serial No. 295,067
6 Claims. (Cl. 161—16)



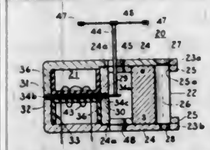
1. An automatic toaster comprising a heating chamber, a slice-holder in said heating chamber mounted for movement from a non-toasting position to a toasting position, means biasing said holder to said non-toasting position, a member connected to said holder to move it to said toasting position, a timing mechanism, a part of said member engaging a part of said timing mechanism to energize it when said member is operated to move said slice-holder to its toasting position, a resilient latch on said member, a catch engaging said latch to hold said slice-holder in its toasting position, means engaging said part of said member to release said timing mechanism as said member reaches its toasting position, the resilient latch permitting a slight movement of said member from its toasting position towards its non-toasting position after being engaged by said engaging means to insure release of said part of said member from said timing mechanism, and said timing mechanism operating to release said catch to free said member and said slice-holder at the end of a toasting interval.

2,241,104
PROCESS AND APPARATUS FOR THE TREATMENT OF PHOTOGRAPHIC COATINGS
Lodewijk Pieter Frans van der Grinten, Venlo, Netherlands, assignor to Naamlooze Vennootschap Chemische Fabriek L. van der Grinten, Venlo, Netherlands, a limited liability company of the Netherlands
Application April 22, 1939, Serial No. 269,430
In the Netherlands January 19, 1939
25 Claims. (Cl. 95—88)



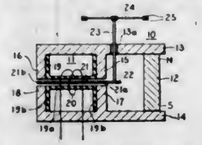
1. A method of developing or fixing light-sensitive sheets of any length according to the so-called semi-wet process which comprises leading a developing or fixing liquid from a supply thereof to a zone of application in a multiplicity of closely-spaced minute streams and passing the sheet over said zone in contact with said liquid in said zone, said streams being spaced apart such a small distance that a substantially uniform quantity of the liquid is applied over the width of the sheet.

2,241,105
SOUND TRANSLATING DEVICE
Albert Earl Woodruff, Oak Park, and Albert Frederick Horlacher, Chicago, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 24, 1938, Serial No. 209,802
11 Claims. (Cl. 179—119)



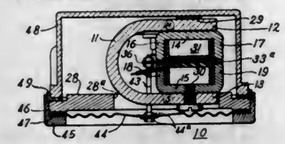
1. A sound translating device comprising, in combination, a bar magnet, field members formed of magnetic material arranged on the opposite ends of said bar magnet, said field members having longitudinally extending body portions carrying two pole pieces spaced from each other and constituting two sets, the pole pieces of each of said sets being directed toward each other and the pole faces of each set being arranged in spaced-apart relation in order to receive therebetween the opposite ends of an armature mounted for pivotal movement about a laterally extending axis, a winding spool arranged between said two sets of pole pieces, two laterally spaced-apart spacing elements formed of non-magnetic material arranged between the body portions of said field members, said spacing elements being disposed exteriorly of said winding spool and adjacent the opposite sides thereof, and means including a securing element and said spacing elements for securing said field members together in spaced-apart relation and for preventing movement of said winding spool between said two sets of pole pieces in a lateral direction.

2,241,106
SOUND TRANSLATING DEVICE
Albert E. Woodruff, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 24, 1938, Serial No. 209,803
5 Claims. (Cl. 175—336)



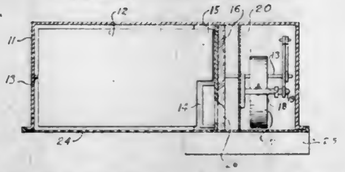
2. An assembly for a sound translating device comprising, in combination, a longitudinally split winding spool including two complementary sections of similar construction, a continuous longitudinally extending winding surrounding said sections, said sections being so constructed and arranged that there is provided adjacent the joint therebetween an opening extending longitudinally through said winding spool, and a flat plate-like armature arranged between said sections in the opening extending through said winding spool and provided with lugs extending transversely of the longitudinal axis of said winding spool and substantially in the plane of said armature, said lugs being supported entirely between said sections and entirely within said winding, whereby said armature is mounted for vibratory movements about an axis extending between said lugs transversely of the longitudinal axis of said winding spool and out of contact with said sections.

2,241,107
SOUND TRANSLATING DEVICE
Albert E. Woodruff, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 26, 1938, Serial No. 210,179
2 Claims. (Cl. 179—119)



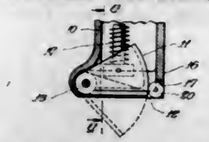
2. In a sound translating device having a diaphragm, a field structure including two field elements secured together and provided with cooperating pole pieces, a pivotally mounted armature operatively associated with said pole pieces, a substantially U-shaped magnet having two outwardly extending legs arranged in spaced relation and embracing said field structure, thereby to support said magnet, a supporting plate having a slot provided therein, said field structure being arranged adjacent the inner side of said supporting plate, whereby one of said field elements overlies the slot provided therein, means for securing said one field element to the inner side of said supporting plate on opposite sides of the slot provided therein, thereby to support said field structure, one of the legs of said magnet and the inner side of said supporting plate being arranged in spaced relation and the other leg of said magnet being arranged in the slot provided in said supporting plate, thereby to minimize the distance between the one leg of said magnet and the inner side of said supporting plate, and a link passing through a hole in said other leg connecting the armature and the diaphragm.

2,241,108
AIR FLOW CONTROL
Cecil Lynn Akers, Anderson, Ind., assignor of one-half to Floyd C. Akers, Anderson, Ind.
Application March 22, 1940, Serial No. 325,301
4 Claims. (Cl. 236—101)



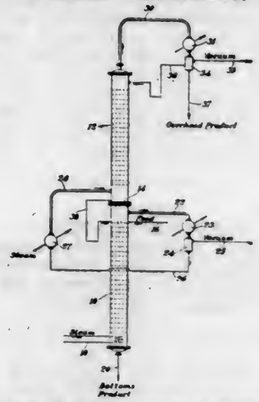
1. For an air conductor, an outlet box having an intake opening, a damper mounted to swing to control flow of air through said opening into the box, said damper being notched out to allow a limited flow of air past a portion thereof regardless of position of the damper, a control chamber at a side of said box adjacent said damper portion, a damper operating thermostat in said chamber, means operatively connecting said damper and said thermostat for damper operation thereby responsive to temperature changes at the thermostat, means for conducting air into said chamber from a zone to one side of said box, an upturned hood at the notch, and a passageway from said chamber discharging through the hood into said box through the notch at said damper portion, whereby flow of air through and from said box particularly past said damper portion induces a flow of air through said chamber.

2,241,109
DOOR LOCK
Charles S. Bock, Chicago, Ill., assignor to Andrew Hoffman, Chicago, Ill.
Application January 12, 1940, Serial No. 313,623
8 Claims. (Cl. 292—346)



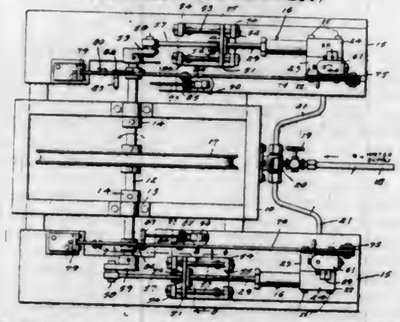
1. In a lock having a pivoted latch bolt formed with an arcuate periphery; movable means carried by the lock in contact with said periphery and forming a closure between the bolt and the adjacent portion of its housing to prevent the insertion between said means and periphery of an instrument calculated to jam the bolt.

2,241,110
METHOD OF DISTILLATION OF PHENOLIC COMPOUNDS
Marcel J. P. Bogart, Teaneck, and James S. F. Carter, Passaic, N. J., assignors to The Lummus Company, New York, N. Y., a corporation of Delaware
Application November 8, 1938, Serial No. 239,452
1 Claim. (Cl. 202—39)



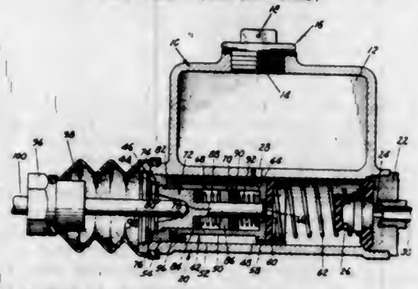
The method of continuously distilling mixtures of phenolic compounds whose boiling point curves are relatively close at low absolute pressures and tend to converge at higher pressures, into separate products of a purity obtainable only at absolute pressures beyond the range of conventional apparatus which comprises the steps of continuously feeding the mixture to a multi-stage distillation system having bubble decks, the gross pressure drop across which if applied to all the decks would be in excess of the allowable pressure drop for the desired purity of end products, said feed being to a point in the system in which there is substantial similarity of composition, applying a vacuum to one stage and continuously removing an overhead therefrom, the total pressure drop in said stage being insufficient to interfere with the production of a pure end product, removing the bottoms of said first stage and feeding said bottoms to an upper portion of a second stage as a feed and in liquid form as reflux to form full yield of bottoms product, applying a vacuum to said second stage, the pressure drop in such stage being insufficient to interfere with the production of a second pure product in the bottoms thereof, condensing and revaporizing the overhead from said second stage, and feeding said vapors to the first stage to form a full yield of overhead end product, said vapors consisting primarily of the overhead end product, the bottoms of said first stage being primarily constituents of the bottoms end products.

2,241,111
WATER POWER MOTOR
James G. Botts, Appalachia, Va.
Application May 11, 1939, Serial No. 273,083
3 Claims. (Cl. 121—160)



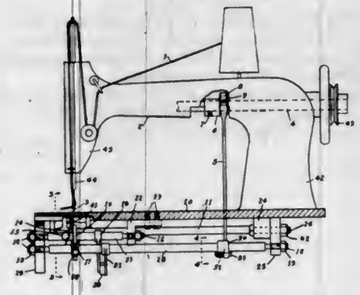
2. Apparatus of the class described having a cylinder, a piston operable therein, a control head for the cylinder having inlet and exhaust valves, a lever, a shaft driven through the reciprocation of said piston, crank means operable by the shaft to actuate the lever, means to open said valves in sequence through the movement of said lever, and latch means to temporarily hold the lever in inlet valve opening position engageable with the lever through movement thereof in one direction and disengageable from the lever by said crank means.

2,241,112
FLUID PRESSURE BRAKING SYSTEM
Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application March 24, 1938, Serial No. 197,796
5 Claims. (Cl. 60—54.6)



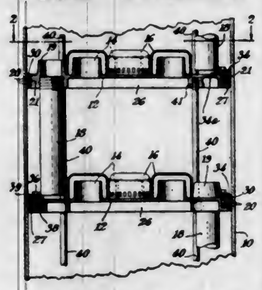
1. A fluid pressure producing device comprising a cylinder, a piston reciprocable in the cylinder having a chamber therein provided with a port opening through the head of the piston, a plunger movable in the chamber having an extension adapted to enter and close the port, a piston movable on the extension, a spring for urging said piston to discharge fluid from said chamber and a pressure relief port controlled by said piston.

2,241,113
CHENILLE TUFTING MACHINE
Robbie H. Bradwell, Dalton, Ga., assignor to Polly Prentiss, Inc., Sumter, S. C., a corporation of South Carolina
Application November 1, 1937, Serial No. 172,165
3 Claims. (Cl. 112—79)



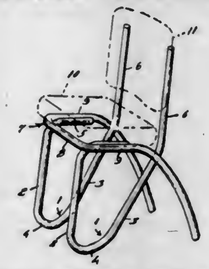
1. In a tufting machine, a reciprocatory needle to carry the yarn through the fabric and produce a loop, work feed means, means to actuate the work feed means, a rock shaft separate from the work feed means, a looper bodily mounted upon the rock shaft to turn therewith for movement toward and from the needle, a movable cutter mounted independently of the looper and having slidable engagement with the looper to produce a shearing action therewith, and means operated by the rock shaft to move the cutter.

2,241,114
BUBBLE DECK CONSTRUCTION
Austin S. Brunjes, Brooklyn, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application April 25, 1940, Serial No. 331,544
1 Claim. (Cl. 261—114)



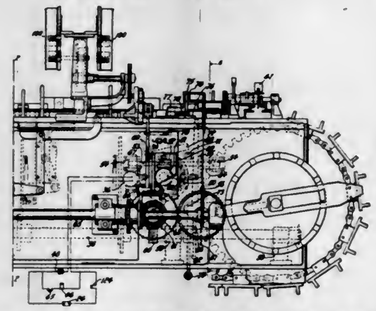
In combination with a fractionating column of relatively small diameter, a bubble deck extending to the inner periphery of the column, means to support the deck in said column, and means to seal the periphery of the deck with respect to the column comprising a continuous peripheral flange projecting downwardly from the plane of the said deck and forming a sealing surface, an outwardly extending, continuous integral lip around the lower edge of the said peripheral flange, packing material supported by the said lip, a ring member in contact with the upper surface of the said packing material, a plurality of threaded bosses contiguous with the said flange and a plurality of adjustable members spaced about the periphery of the deck in contact with the ring member, threaded studs in said bosses engaging said adjustable members to compress the packing material against the said lip and radially against the interior of the column and the sealing surface of the flange.

2,241,115
CHAIR
William A. Burke, South Bend, Ind., assignor to Oriental Wrought Iron Works, Inc., South Bend, Ind., a corporation of Indiana
Application October 12, 1940, Serial No. 360,995
2 Claims. (Cl. 155—164)



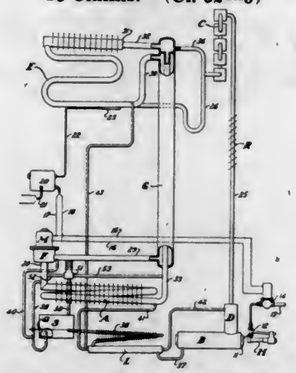
1. A chair comprising a pair of side members of tubular form and resilient metal each embodying a supporting loop including front and rear side stretches converging downwardly and being connected to form a front leg, the front stretch having a lateral inwardly projecting extension forming a seat support, and the rear stretch having an upstanding extension forming a back supporting post, and a yoke member of tubular form and resilient metal, straddling said side members and having a pair of side stretches fixed to the side stretches of said side members and extending downwardly and rearwardly across said rear stretches to form rear legs for the chair.

2,241,116
PACKING OR WRAPPING MACHINE
John Walker Chalmers, Deptford, London, England, assignor to Molins Machine Company, Limited, Deptford, London, England
Application October 14, 1939, Serial No. 299,519
In Great Britain October 31, 1938
4 Claims. (Cl. 93—2)



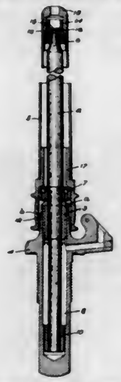
1. In a machine of the kind described, a normally automatic ejecting device located at a station prior to that at which the final operation is performed upon a workpiece, said device being operative to remove a workpiece from the normal path thereof, and manually controlled means to effect operation of said device at will to permit a machine minder to eject from the machine, during continued operation thereof, workpieces selected by the operator.

2,241,117
REFRIGERATION
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application August 17, 1939, Serial No. 290,556
16 Claims. (Cl. 62—5)



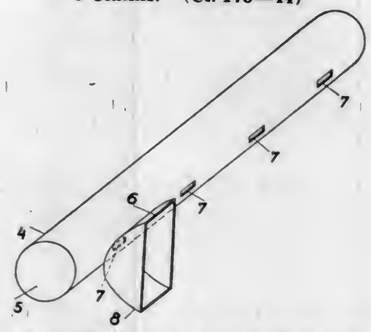
1. Absorption refrigerating apparatus comprising an inert gas circuit including an evaporator and an absorber, a solution circuit including a boiler and said absorber, means for liquefying refrigerant vapor produced in said boiler and for supplying the same to said evaporator, a gas lift pump in said solution circuit for circulating the absorption solution therethrough, and means for selectively subjecting selected portions of said solution circuit to the pressure prevailing in selected areas of the apparatus in accordance with an operating condition of the apparatus.

2,241,118
SPINNING AND TWISTER SPINDLE
Louis M. Cotchett, Hingham, Mass., assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application January 21, 1941, Serial No. 375,147
4 Claims. (Cl. 57—130)



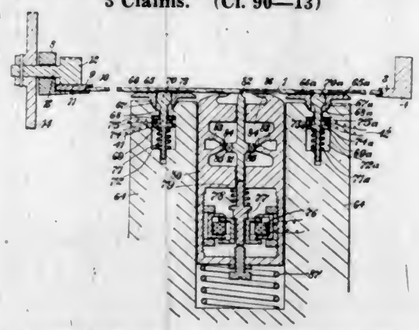
1. A spindle structure comprising an upright, rigid non-rotative spindle blade, a sleeve encircling said blade in concentric relationship thereto, a whirl rigid with said sleeve to revolve therewith as a unit, said unit being adapted to removably support a bobbin, two sets of bearings supporting said unit near opposite ends thereof for rotation around said blade, said bearings being mounted on said blade above and below, respectively, the center of mass of the unit and the load carried by it, the upper of said sets of bearings being self-aligning, and means flexibly supporting said blade to enable it to move freely with said unit during operation while the latter finds a stable position of rotation.

2,241,119
ULTRA-SHORT-WAVE APPARATUS
Walter Dallenbach, Berlin-Charlottenburg, Germany, assignor to Julius Pintsch Kommanditgesellschaft, Berlin, Germany
Application September 18, 1937, Serial No. 164,589
In Germany September 15, 1936
9 Claims. (Cl. 178—44)



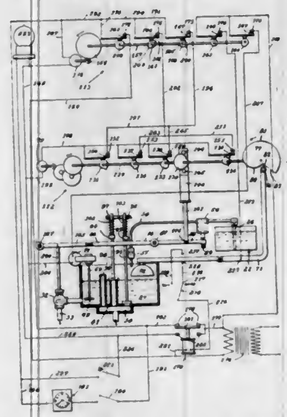
1. The combination of a conducting tube for a natural frequency of oscillation and provided with a slot in its side wall, with a second dielectric guide radiator coupled to said tube through said slot, said slot being located at an antinode of the conducting tube.

2,241,120
ENGRAVING
John Willey Dalton, London, England, assignor to The Daily Mirror Newspapers Limited, London, England
Application November 3, 1937, Serial No. 172,626
In Great Britain November 6, 1936
3 Claims. (Cl. 90—13)



1. Apparatus for producing engraved surfaces comprising means whereby the etched plate is supported in association with means for securing relative motion between the plate and a mechanical scanning device including a feeler adapted, by its movement in accordance with the local variations in level of the surface of the plate, to control the relative position of electrical contacts arranged in a circuit including a source of supply of current and an electro-magnet device, a disc to which rotary motion at an appropriate speed is imparted, a plurality of pins slidably secured in the disc and adapted to be displaced by the electro-magnet device, a rotary cutting tool associated with means adapted to retain it normally out of contact with the etched plate and means associated with the rotary cutting tool adapted to co-operate with the pins in displacing the cutting tool into contact with the surface of the plate and means for re-setting the displaced pins after they have performed their function in relation to the cutting tool.

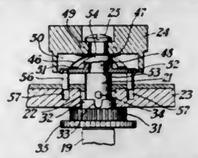
2,241,121
APPARATUS FOR TESTING WATER
Lee G. Daniels, Rockford, Ill., assignor to Elgin Softener Corporation, Elgin, Ill., a corporation of Illinois
Application July 23, 1938, Serial No. 220,906
8 Claims. (Cl. 23—253)



1. The combination in an automatic hardness tester for water of a test chamber, a driving motor, means driven by the motor for introducing a measured sample of water into said chamber, a closed reagent system including a pump driven by said motor for adding a predetermined amount of soap solution of definite concentration into said sample, means for agitating said sample and soap solution to produce the absence of foam or the presence thereof above the surface of the water depending upon the hardness of the water, a float adapted to seat on the surface of said sample comprising a chambered member defining an air volume for displacing said sample and froth to support the weight of the float, means driven by said motor for seating said float against the surface of said sample, and means for emitting a signal in response to the seated position of the float to indicate the presence or absence of foam.

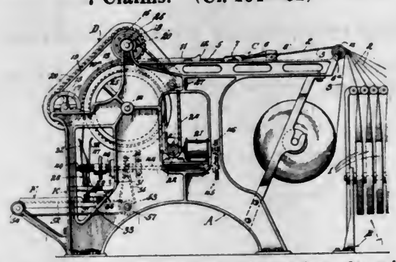
2,241,122
LOCKING DEVICE FOR FILM WINDING MECHANISM
Henry O. Drotning, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 9, 1939, Serial No. 278,307
11 Claims. (Cl. 242—71)

3. A film winding mechanism for a camera comprising a wind-up assemblage consisting of a unitary axially-movable shaft and knob positioned in one end of said camera for sliding movement therein, said assemblage being rotatable in one direction to wind-up a film strip, locking means comprising a pawl and ratchet carried by and movable axially as a unit with said assemblage, and means on said assemblage for



maintaining said ratchet in fixed spaced relation with said knob.

2,241,123
APPARATUS FOR FORMING PACKAGES OF STRIP MATERIAL
Robert C. Flynt, Winston-Salem, N. C., assignor of three-tenths to Forrest G. Miles and three-tenths to Bailey B. Lilpfert, both of Winston-Salem, N. C.
Application May 24, 1938, Serial No. 209,842
7 Claims. (Cl. 164—61)

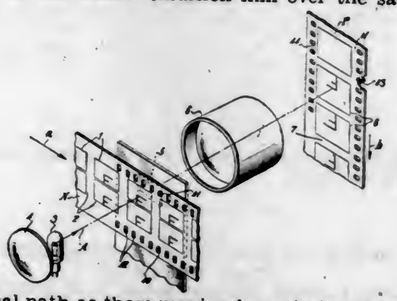


1. In apparatus of the character described; means for supplying strip material; a drum; a pair of spaced pulleys; a belt passing around said pulleys and a stretch of the belt being adapted to run in contact with a segment of said drum; means for directing said strip between said belt stretch and drum to be fed longitudinally thereby; an abutment positioned to be engaged by the end of the strip; an intermittently acting cutter positioned between the drum and the abutment for severing said strip adjacent to but spaced from said abutment and while the end of said strip is in engagement with said abutment; and means for maintaining substantially straight the entire portion of the strip extending from the cutter to the abutment.

2,241,124
PRINTING METHOD FOR COLOR PHOTOGRAPHY
Otto C. Gilmore, Van Nuys, Calif., assignor to Cosmocolor Corporation, Jersey City, N. J., a corporation of Delaware
Original application May 25, 1939, Serial No. 275,752. Divided and this application December 7, 1939, Serial No. 308,079
5 Claims. (Cl. 88—24)

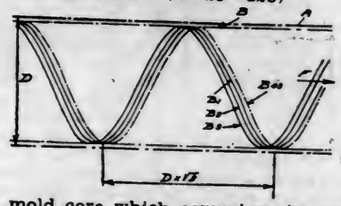
1. The method of optically printing a film which comprises providing a first film having two black and white images per frame, each representing a different color value and arranged in contiguous parallel relationship transversely of the film, projecting successive images of a single color value from said film onto one side of a second, double emulsion film, each to occupy an entire frame thereof, thereafter turning both films so that images of the contiguous series then occupy the position of those previously projected but are individually reversed with respect thereto, reversing the travel of said first film, sep-

arately and successively projecting the reversed images of the contiguous series upon the opposite side of the double emulsion film over the same



optical path as those previously projected, thereby to produce registering images of different color value on said second film.

2,241,125
MOLDING DEVICE WITH EXTENSIBLE CORE
Emile Gustave Louis Girard, Paris, France
Application September 28, 1937, Serial No. 166,152
In France April 7, 1937
3 Claims. (Cl. 25—128)



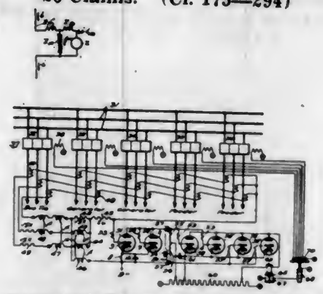
3. A mold core which comprises, in combination, a tube of an elastic material, a series of metallic helixes embedded in the wall of said tube, said helixes being intertwined with respect to one another, according to an arrangement analogous to that of the helixes of a multiple threaded screw, running all in the same direction and being all located in the same cylindrical surface, the coefficient of reduction of diameter of said series of helixes under the effect of an elongation thereof being equal to the coefficient of reduction of diameter of said elastic tube upon elongation thereof.

2,241,126
RETRACTING MECHANISM FOR SWITCHBOARDS AND THE LIKE
Harold D. Godfrey, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a corporation of New York
Application July 27, 1939, Serial No. 286,845
7 Claims. (Cl. 179—95)



1. In a switchboard or the like, a pair of spaced, elongated guide rails supported in opposed parallel relation, said guide rails being inclined with respect to the horizontal, a grooved disk supported on said rails, with the rails disposed in the groove of said disk, and a cord or the like anchored at one end and looped over said disk, with the bight thereof disposed between said rails and the bottom of said groove.

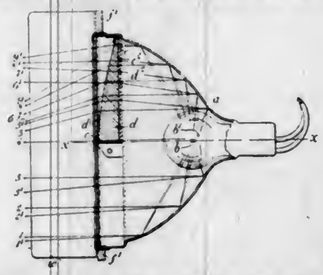
2,241,127
PROTECTIVE RELAY
Edwin L. Harder, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 14, 1938, Serial No. 202,015
26 Claims. (Cl. 175—294)



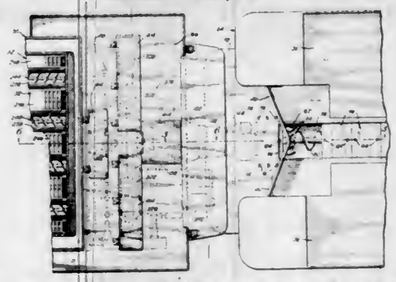
1. A commercially practicable device for utilizing a voltage-responsive means in obtaining a current-response from a multi-terminal alternating-current power-apparatus of a commercial power-line frequency, comprising a current-responsive mutual-inductance coupling device associated with each of the plurality of terminals, each coupling device producing a measurable internal-voltage response which is at all times substantially linearly responsive to the rate of change of current flowing into or out of the apparatus at that terminal, the mutual-impedance branch of the equivalent diagram of each coupling device having a substantially linear volt-ampere characteristic for all current-values therein within the operating range of the device, each coupling device having a self-contained, substantially astatic magnetic circuit which is substantially unaffected either by neighboring members of magnetic material or by any flux other than that which results from the current flowing in the associated power-line conductor, summation means for deriving a measurable voltage which is responsive to the instantaneous sum of the several coupling-device responses, integrated over the operating-time of the voltage-responsive means, and means for causing said voltage-responsive means to be energized responsively to said sum.

2,241,128
ILLUMINATING DEVICE FOR AIRCRAFT
Maldon Cavendish Harley, Harlington, Hayes, England
Original application December 12, 1934, Serial No. 757,226. Divided and this application June 17, 1937, Serial No. 148,812. In France December 10, 1934
3 Claims. (Cl. 240—7.7)

1. An aircraft illuminating device comprising a reflector and a light source in the focus thereof co-operating therewith to produce a substantially parallel reflected beam, means operative to deflect a portion of said reflected beam from the reflector axis and a second or emergency light source distinct from and located in proximity to the first in such relationship thereto and to the reflector that the departure of reflected rays generally from parallelism when the second source is in operation and due to separation of that source from the focus, is substantially compensated and reduced in that portion of the reflected beam affected by said deflecting means.



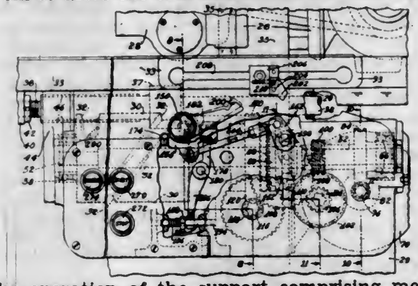
2,241,129
LOCOMOTIVE STOKER
Walter J. Hathaway, Kankakee, Ill., and Edward F. Frondorf, Harrison, Ohio
Application January 3, 1938, Serial No. 183,190
5 Claims. (Cl. 110—44)



4. In a locomotive fire box, spaced grates, a hopper extending transversely of the fire box exteriorly of the same for receiving fuel from a source of supply, rotary conveyors disposed between the spaced grates extending into said hopper for feeding fuel into the fire box from positions underneath the grates, fuel distributing means inside the hopper for distributing fuel into receiving relation with the rotary conveyors, a power operated shaft, an operating connection between said power operated shaft and the fuel distributing means, and operating connections between the power operated shaft and said rotary conveyors.

2,241,130
POWER DRIVING AND CONTROL MECHANISM
George B. Hirsch and William S. Renier, Providence, R. I., assignors to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application May 13, 1939, Serial No. 273,496
19 Claims. (Cl. 192—145)

1. A driving and control mechanism for a reciprocable machine tool support which comprises with a cam follower, a cylindrical cam arranged to be driven in reverse directions to impart feed and return reciprocatory movements to the support and having formed in the periphery thereof a single follower engaging feed and return cam track having a high feed angle, a reversible electric motor and speed reduction connections therefrom to drive the cam and means for controlling

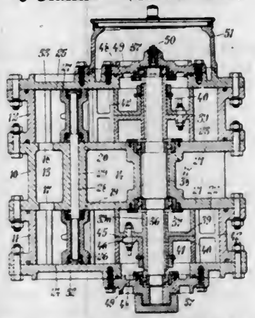


the operation of the support comprising means for starting, stopping and reversing the motor.

2,241,131
SOUND REPRODUCING APPARATUS
John Q. A. Holloway, New York, N. Y.
Application December 9, 1938, Serial No. 244,736
6 Claims. (Cl. 179—100.3)

4. In a sound on film reproducing machine of the type described, the combination with a multiple light source of a transparent light-refracting cylinder of circular cross-section disposed to receive rays of light emitted from said source and focus them into a narrow elongated zone of illumination, optical lens means for producing, from the aforesaid narrow elongated zone of illumination, a sharply defined image of minute width on the film, and means to set such image at different points along the width of said film.

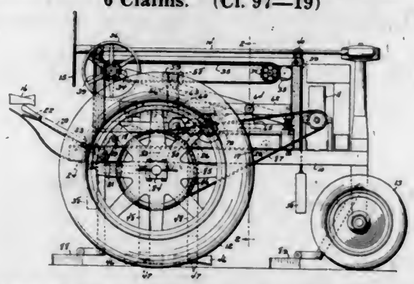
2,241,132
LIQUID METER
Frank Horton, London, England, assignor to Foreign Rights (Precision Meters) Limited, London, England
Application July 26, 1938, Serial No. 221,429
In Great Britain August 12, 1937
6 Claims. (Cl. 73—253)



1. A liquid meter comprising a pair of cylinders arranged side by side on a common axis, a piston element in each cylinder, said piston elements being coupled to a common shaft, each of said piston elements having a radial part extending to the wall of the respective cylinder, said radial parts being diametrically opposed and

having surfaces conforming to the curvature of the cylinder wall, offset chambers opening into said cylinders partition means mounted for oscillation in said chambers and projecting into the cylinders to contact with the corresponding piston element, inlet ports for liquid to be metered opening into said chambers, discharge ports opening into the cylinders, said partition means separating the inlet and discharge ports of the associated cylinder and being movable into said chambers while still permitting the passage of liquid into the cylinder, the arrangement being such that the flow of liquid into the cylinder is cut off once during each revolution of the piston elements by the radial part of the piston element covering the opening between the cylinder and its off set chamber.

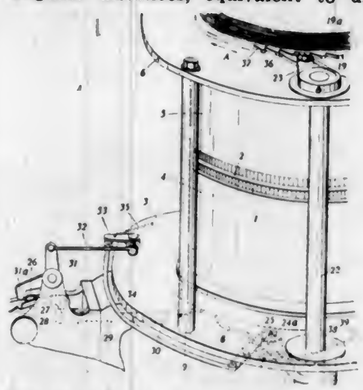
2,241,133
COTTON CHOPPER
Robert Lee Huckeba, Aragon, Ga.
Application September 9, 1940, Serial No. 356,053
6 Claims. (Cl. 97—19)



1. In a cotton chopper, the combination with a tractor having a frame, of a carriage slidably mounted on the frame, means for holding the carriage at adjusted positions of its sliding movement on the frame, a cradle mounted for vertical adjustment on the carriage, a chopping hoe having a handle projecting upwardly through the frame and through the carriage, means carried by the cradle and connected to the handle for swinging the hoe pendulum-like in an arc across a row of plants from which selected plants are to be chopped, and means for timing the actuation of the oscillating means actuated by a rotating part of the tractor.

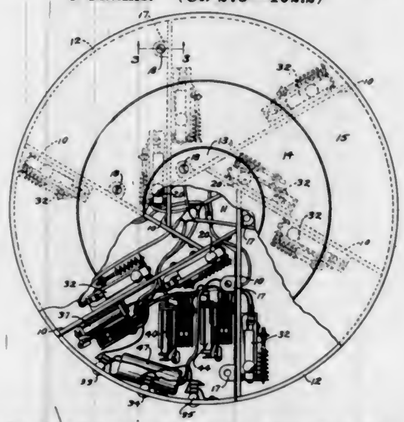
2,241,134
CIRCULAR KNITTING MACHINE
John Cyril Herbert Hurd, Leicester, England, assignor to Wildt and Company Limited, Leicester, England, a British company
Application May 10, 1940, Serial No. 334,445
In Great Britain May 16, 1939
13 Claims. (Cl. 66—14)

1. In a circular knitting machine of the double axially opposed needle cylinder type, in combination, a plurality of machine cams, an arrangement of operating cams in one plane, said operating cams being driveable in timed relation with the rotational motion of the machine, a control unit from which said machine cams are controlled, means operable by the operating cams for racking round the control unit, an arrangement of cam pieces on said unit, and intermediate mechanisms between the control unit and the machine cams for operating the latter, the aforesaid arrangement of cam pieces being such that just prior to the commencement of a cycle of operations of the said machine cams the corresponding cam pieces are respectively at different angular distances, equivalent to different



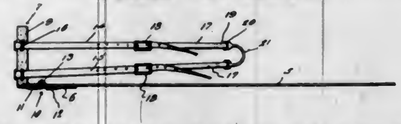
numbers of racks of said control unit, from the points of operation of the machine cams.

2,241,135
BAIT TARGET
Martin D. Jaimet and Frank C. Kercher, Indianapolis, Ind.
Application May 19, 1939, Serial No. 274,506
8 Claims. (Cl. 273—102.2)



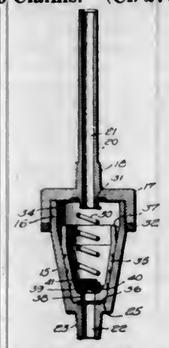
1. In a bait casting target, a plurality of horizontally placed floor zone members one adjacent another; normally open, electric circuit closing members under each zone member; means under each zone member yieldingly supporting the member and allowing the member to be depressed to actuate said circuit closing members upon pressure being applied to that zone member; an electrically operated signal for each zone member; a source of electrical current; a relay having an energizing winding; a circuit including said electric closing members for one of said floor zone members, said source of current, and said winding; a second circuit closed by said relay to include one of said signals and said current source; a second relay having an energizing winding; and circuits maintained in open condition upon actuation of the first relay through contacts in said first relay, including said second relay winding, said other signals, and said current source, withholding said other signals from operation upon depression of their respective floor zone members.

2,241,136
OBSTETRICAL APPLIANCE
Bessie M. Jones, Madisonville, Ky.
Application March 6, 1940, Serial No. 322,614
1 Claim. (Cl. 128—31)



An obstetrical appliance comprising an elongated sheet, an upstanding foot board at one edge of the sheet, a covering for the boot board, said covering having a laterally disposed connecting portion, fastening means between the connecting portion and the edge of the sheet, upper and lower straps extending longitudinally of the board, guide means on the board for the straps, and handles connecting the adjacent ends of the upper and lower straps.

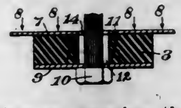
2,241,137
SPEED MODULATING DEVICE
Lewis Jones, Youngstown, Ohio
Application March 22, 1938, Serial No. 197,480
5 Claims. (Cl. 277—44)



1. A control valve mechanism for an internal combustion engine having an intake manifold, comprising a valve casing having an outlet and an inlet for communicating respectively with the intake manifold and the atmosphere, a valve element in said casing biased in one direction toward said inlet to a normal position and having a valve face operable in said normal position for closing said inlet, said casing and said valve element having cooperating faces constructed and arranged to meter the flow of air through said casing when said valve element is moved away from said normal position whereby the rate of flow of air through said casing progressively increases as said valve element moves away from said normal position, said valve element having an opening therethrough, and an auxiliary valve normally closing said opening and constructed and arranged to be opened to permit the passage of air from said inlet to said outlet when the pressure in the intake manifold drops to a point substantially below a predetermined point.

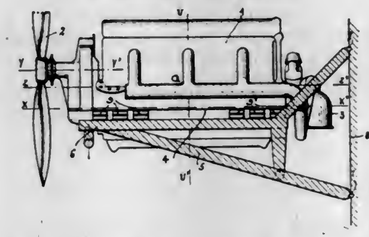
2,241,138
RESILIENT SUPPORT
Maurice François Alexandre Julien, Paris, France
Application November 21, 1936, Serial No. 112,183
In France May 15, 1936
2 Claims. (Cl. 248—358)

1. A resilient mounting for a vibrating member so as to be capable of relatively great lateral displacements and relatively small displacements in a plane substantially at right angles to the lateral displacements comprising in combination two supporting plates arranged parallel to one another, a layer of resilient material connecting said plates, one of said plates being fixed to a



frame and having an opening therein and the resilient material having an opening therein, means passing through said openings for connecting the other of said plates to the vibrating member, and relatively thin plates embedded in the resilient material in the region of the opening only permitting freedom of movement in directions parallel to said plates.

2,241,139
ENGINE UNIT MOUNTING
Maurice François Alexandre Julien, Paris, and Jean Felix Paulsen, Viroflay, France
Application March 24, 1937, Serial No. 132,834
In France March 28, 1936
8 Claims. (Cl. 248—5)



1. A mounting for resiliently supporting an aircraft engine, said mounting being arranged in longitudinal groups of resilient supports on the sides of said engine, said supports each comprising layers of elastic material having surfaces adhering to a part integral with the engine and surfaces adhering to a part integral with the engine support, one layer being in compression and the other in tension the said surfaces being normal to a plane which includes an axis passing through the centre of gravity of the engine and parallel to the crank-shaft of said engine.

2,241,140
SPINDLE
John A. Kennedy, Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Maine
Application June 4, 1940, Serial No. 338,702
14 Claims. (Cl. 57—130)

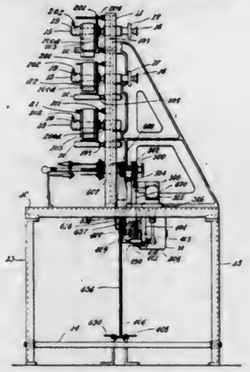
1. A spindle structure comprising a non-rotative spindle blade, a sleeve encircling said blade in concentric relationship thereto, a whirl rigid with said sleeve and rotating therewith as a unit, said unit being adapted to removably support a bobbin, two sets of ball bearings mounted on said blade and supporting said unit for rotation around the axis of the blades, said bearings being mounted above and below, respectively, the center of mass of the unit and the load carried by it, a spindle base in which the lower portion of said blade is mounted for automatic adjustment with reference to said base in response to the

running requirements of said unit and its load, and means in said base for exerting a substan-



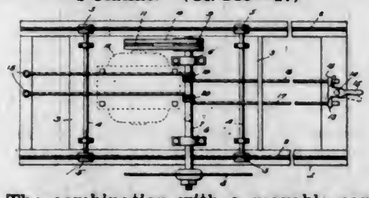
tially non-elastic cushioning action on such adjusting movement of the blade.

2,241,141
WINDING MACHINE
Max Knab, Brooklyn, N. Y., assignor to Sprague Specialties Co., North Adams, Mass., a corporation of Massachusetts
Application December 22, 1938, Serial No. 247,292
10 Claims. (Cl. 242—56)



1. An automatic winding machine comprising a winding head, a plurality of winding mandrels disposed on said winding head, a winding shaft, and a cam in positive mechanical engagement with said shaft, means to rotate said head and successively place the mandrels in winding position and to connect with the winding shaft that mandrel which is placed in winding position, means associated with each mandrel to insure that the mandrel assume the identical rotary position about its axis each time the mandrel is brought into winding position, means disposed within the winding head to prevent rotation of the winding shaft and cam by the winding head during its rotation, and stopping means for the winding shaft actuated by said cam when the desired number of revolutions of the winding shaft have taken place, and means actuated by said cam to decelerate said shaft prior to the actuation of the stopping means.

2,241,142
SAW FEEDING APPARATUS
Ananias A. Kvalheim, Petaluma, Calif.
Application September 16, 1940, Serial No. 357,044
4 Claims. (Cl. 143—47)

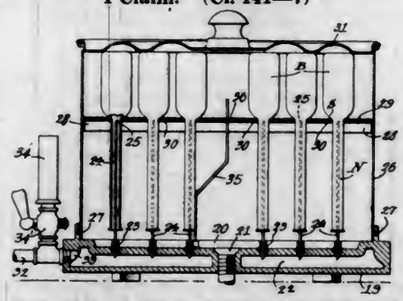


1. The combination with a movable carriage, and a frame for supporting and guiding the same, of a shaft journalled on the carriage, a circular saw carried by the shaft, cables anchored at one end to the frame and wrapped in opposite directions respectively about the shaft, and means on the frame and connected to the cables for placing either of said cables under tension.

2,241,143
SUSPENSION FOR LUBRICATION AND OTHER PURPOSES
Ferdinand Küster, Munster, Westphalia, Germany
No Drawing. Application April 1, 1939, Serial No. 265,545. In Germany April 5, 1938
5 Claims. (Cl. 252—59)

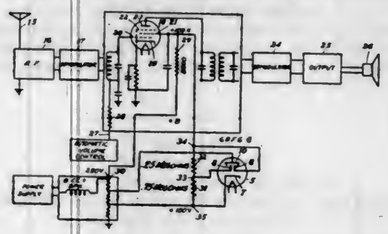
1. A suspension for lubrication and other purposes comprising a continuous phase of oil and a disperse phase of highly disintegrated asphaltic pyrobitumen particles.

2,241,144
WASHER FOR MILK TEST BOTTLES
George E. Lattin, Franklin, N. Y.
Application January 26, 1939, Serial No. 252,967
1 Claim. (Cl. 141—7)



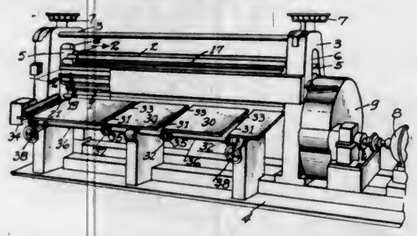
Washing apparatus of the class described including a base containing a pressure chamber, means for directing cleansing fluid into the pressure chamber, a casing mounted on the base, a partition dividing the upper portion of the casing and having spaced apertures for receiving and supporting the shoulder portions of inverted bottles, said base having a recessed top constituting a receiver, there being a drain opening extending through the base from the receiver, spray pipes joined to the base and opening into the pressure chamber, said pipes being extended upwardly to and being coaxial with the respective openings in the partition, the diameter of each tube being such as to provide an annular clearance therearound when the tube is seated in the neck of a supported inverted bottle, a supplemental tube connected to the base and opening into the pressure chamber, said tube being extended through the partition to a point thereabove, there being a drain opening in the partition, and a cover removably seated on the casing and constituting means for engaging and holding the upper ends of inverted bottles while supported on the partition, for receiving and spreading a jet of fluid directed thereagainst from the supplemental tube, and for closing the upper end of the container.

2,241,145
SIGNALING SYSTEM
Maurice L. Levy, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a corporation of New York
Application December 24, 1938, Serial No. 247,650
6 Claims. (Cl. 250—40)



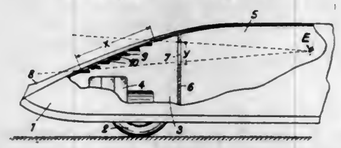
1. In combination, a signaling system including a signal amplifying stage provided with a vacuum tube, said vacuum tube comprising electrodes including a cathode, a control grid, a screen and an anode, a power device, circuits from said power device to certain of said electrodes for energizing the same, an electron-ray tube having electrodes consisting of an electron source, a fluorescent target and two control electrodes, and means conductively connecting one of said circuits with said last-mentioned electrodes and responsive to the current in said last-mentioned circuit for differently governing said control electrodes.

2,241,146
MACHINE FOR MANUFACTURING SHEET METAL SURFACING UNITS
Howard J. Little, Fort Thomas, Ky., assignor to The Andrews Steel Company, a corporation of Delaware
Application April 14, 1937, Serial No. 136,879
1 Claim. (Cl. 153—77)



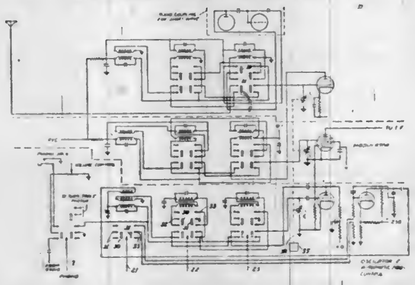
A machine for corrugating sheet metal surfacing units comprising rolls provided with cooperating male and female dies for forming corrugations across one dimension of the sheet, means disposed longitudinally of the rolls and at spaced intervals on the periphery of the rolls for forming a marginal beading along one of the corrugations, and bead forming means on one end of the rolls extending circumferentially from the end of the longitudinally disposed beading means to a point terminated short of the next adjacent longitudinally disposed beading means.

2,241,147
VEHICLE BODY
Friedrich Eugen Maier, Berlin-Charlottenburg, Germany
Application February 25, 1935, Serial No. 8,005. Renewed July 20, 1938. In Germany March 19, 1934
3 Claims. (Cl. 296—1)



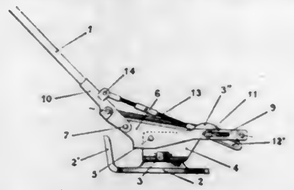
1. A vehicle body, said body having a top which includes a rear portion inclined from front to rear, said rear portion having an opening therein, said opening being at least on and extending below the eye level of an occupant normally seated in said body, and a series of spaced bars transversely across said opening to provide slits through which objects at or near the level of the road in the rear of the vehicle can be seen by said occupant normally seated in said vehicle body, the said bars being substantially flat and having their top surfaces substantially parallel to the lie of vision of said occupant so as to interrupt said vision only to the extent of the thickness of said bars.

2,241,148
COMBINED RADIO AND PHONOGRAPH CONTROL SYSTEM
Ray H. Manson, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a corporation of New York
Application June 11, 1938, Serial No. 213,238
8 Claims. (Cl. 179—100.11)



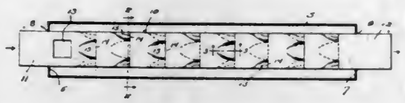
1. In a radio receiving system, a radio receiver including switches for tuning the same, a bar common to said switches, said bar serving to lock a switch, when operated, in operated position and simultaneously to unlock a previously operated switch, a solenoid having a lengthwise movable core individual to each switch and serving to operate the same, manually operated switches remote from said radio receiver and corresponding to said first mentioned switches, and circuits completed by said remote switches for selectively actuating any desired solenoid to operate any desired switch at said radio receiver.

2,241,149
TROLLEY SYSTEM FOR STREETCARS AND OTHER ELECTRIC CARS
Francesco Mento, Milan, Italy
Application June 8, 1939, Serial No. 278,026
In Italy June 9, 1938
4 Claims. (Cl. 191—88)



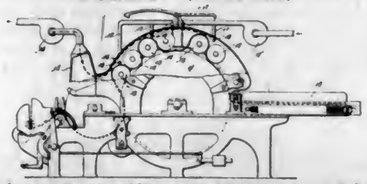
1. In a trolley system the combination of a trolley arm with: a fixed base plate; a pivoted member mounted upon said plate, so as to rotate about a vertical axis; a lever pivoted horizontally upon said member and hinged to the lower extremity of the trolley arm, said lever being connected to the trolley arm also by two tension springs, and being provided with a pivot sliding in a longitudinal slot provided in this same lever, and biassed by a spring towards the extremity connected with the trolley arm, said sliding pivot being adapted to get engaged with the member pivoted upon the base plate; two drawbars, the one end of which is hinged to the trolley arm at a point above the connecting points of the tension springs, whilst the other end of each of them is provided with a slotted member engaged with the pivot mounted in the slot of the said lever; and a suitable fixed support for the trolley arm, when it falls through gravity.

2,241,150
EXHAUST MUFFLER
Clarence R. Miller, Bell, Calif., assignor of one-half to Reese F. Morgan and Vernace B. Morgan, both of South Gate, Calif.
Application January 27, 1940, Serial No. 316,030
1 Claim. (Cl. 181—48)



An exhaust muffler comprising a cylindrical hollow body provided with end closure plates formed with relatively large central openings, and an inner conduit extending continuously through the body and fitted near its ends in the central openings of the closure plates, said inner conduit having a circumferential row of relatively large clear openings therein at a point within the body and near the inlet end of said conduit to permit free passage of some of the exhaust gases radially outwardly from said conduit into the annular space between the body and said conduit, said inner conduit further being provided with a series of circumferential rows of relatively wide hooded openings there-through within the body, the hoods of the last named openings being directed radially inwardly and toward the outlet end of said conduit to direct the flow of exhaust gases into and through said conduit toward the outlet end of the latter from the annular space between the body and the conduit.

2,241,151
WASTE PULLER AND METHOD
Rudolph W. Miller, Winona, Minn.
Application September 13, 1940, Serial No. 356,701
2 Claims. (Cl. 19—82)



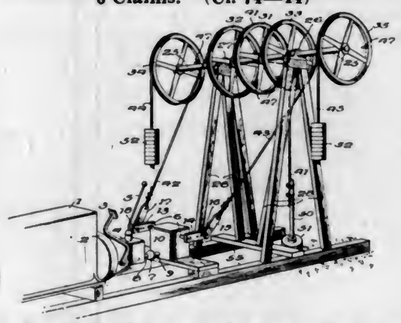
1. A waste treating apparatus comprising, in combination: waste pulling apparatus acting to break threads comprised in the waste with release of short fibers; a housing enclosing said apparatus; means to direct air blasts to the location of thread snapping in the housing and means to withdraw air from the housing acting to produce air movement to remove short fibers released by the snapping of the threads aided by said air blasts.

2,241,152
FISHING LURE
Willie M. Moats, Cairo, W. Va.
Application November 30, 1939, Serial No. 306,946
9 Claims. (Cl. 43—40)



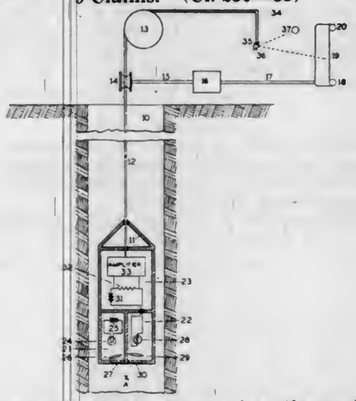
1. A fishing lure comprising a stem having wedge means at one end thereof converging toward said end, said wedge means including bars secured to said end of the stem and extending therealong in diverging relationship to each other and to the stem.

2,241,153
WELL PUMP OPERATING EQUIPMENT
Thomas Walker Murray, Texarkana, Tex., assignor to Texarkana Manufacturing Corporation, Texarkana, Ark., a corporation of Arkansas
Application April 9, 1940, Serial No. 328,781
6 Claims. (Cl. 74—44)



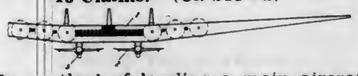
1. In equipment for operating the pumping rod of a well, the combination comprising: a shaft supported in elevated position for oscillatory movement about a horizontal axis; a set of at least three wheels operatively and detachably secured to said shaft for oscillation therewith; a flexible means, such as a cable, associated with each of said three wheels; each of said three flexible means having a portion secured to its respective wheel, another portion depending from said wheel, and an intermediate portion trained over said wheel; the flexible means associated with the intermediate one of said three wheels being a pumping line and having its depending portion adapted for attachment to a pumping rod in a well; the other two of said three flexible means having their depending portions adapted to support means for counterbalancing the weight of said pumping rod and its load in a working stroke thereof; and other means for driving said shaft in both directions of its oscillatory movement.

2,241,154
WELL SURVEYING METHOD AND APPARATUS
Jacob Neufeld, Tulsa, Okla., assignor to Well Surveys, Incorporated, Tulsa, Okla., a corporation of Delaware
Application October 1, 1938, Serial No. 232,905
9 Claims. (Cl. 250—83)



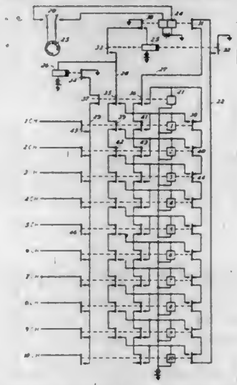
1. A method of determining the nature of formations penetrated by drill holes and the like that comprises measuring the fluorescence of substances persent in the earth penetrated by a drill hole at a measured depth, repeating the measurement on the substances present at other measured depths and mechanically correlating the measurements of depth with the measurements of fluorescence to give a graphic comparison of the variation in fluorescence over a range of depths.

2,241,155
METHOD AND MEANS FOR LAUNCHING AND LANDING AIRCRAFT
Albert Plesman, The Hague, Netherlands, assignor to Koninklijke Luchtvaart Maatschappij voor Nederland en Koloniën N. V., The Hague, Netherlands, a company of the Netherlands
Application January 15, 1937, Serial No. 120,724
In the Netherlands January 21, 1936
13 Claims. (Cl. 244—2)



1. The method of landing a main aircraft of the heavier than air type which consists in utilizing conventional flying gear with low wing load fixed thereto attaching in flight detachable flying landing gear thereto in the form of auxiliary aircraft capable of independent flight by utilizing conventional flying gear of relatively higher wing load as well as landing gear fixed on said auxiliary aircraft and thereby providing the main aircraft with exclusive supporting and landing gear, and proceeding to land with said flying landing gear attached to said main aircraft and supporting the latter out of contact with the ground upon the flying landing gear upon landing.

2,241,156
SELECTING SYSTEM
Winfred T. Powell, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a corporation of New York
Application January 25, 1938, Serial No. 186,853
4 Claims. (Cl. 177—353)

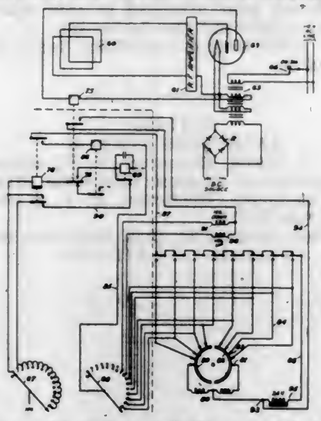


1. In a counting relay arrangement, an impulse relay operated in response to impulses, a series of counting relays, circuits for operating said relays in succession in response to the operation of said impulse relay, a locking circuit for each relay when operated, the operation of each relay serving to interrupt the locking circuit of the preceding relay in the series and a secondary circuit for holding each relay energized after its locking circuit is interrupted and until the conclusion of the impulse for operating the succeeding relay in the series, said secondary circuit being completed at said impulse relay and at a preceding relay in the series.

2,241,157
REMOTE CONTROL SIGNALING SYSTEM
Winfred T. Powell, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a corporation of New York
Application November 10, 1938, Serial No. 239,852
1 Claim. (Cl. 250—20)

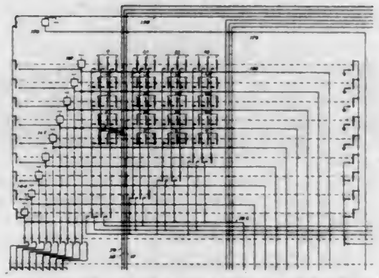
In a remotely controlled radio receiving system, a radio receiver provided with tuning mechanism and with volume control mechanism, means for generating several series of electrical impulses in accordance with predetermined codes, means including a primary relay operated in response to each impulse of several series of properly timed electrical impulses in accordance with predetermined codes, a slow releasing relay operated and maintained operated in response to each series of said impulses, selectively operated circuit controlling means actuated in response to impulses, a reversible motor in said tuning mechanism for operating the same, means including selectively operable keys provided with

circuits associated with said radio receiver for controlling said motor to effect a desired operation of said tuning mechanism, another motor for operating said volume control means and cir-



cuits for said motors jointly completed by said circuit controlling means and by said slow-releasing relay and by certain of the contacts of said keys.

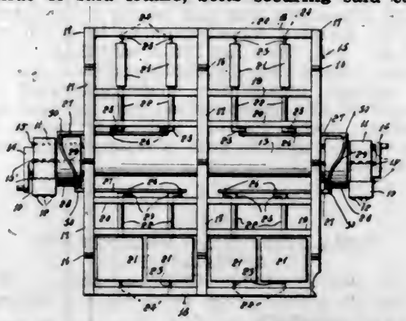
2,241,158
AUTOMATIC TELEPHONE SYSTEM
Winfred T. Powell, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a corporation of New York
Application September 21, 1939, Serial No. 295,925
11 Claims. (Cl. 179—18)



1. The method of connecting a telephone line to an idle trunk of a series of trunks which comprises transmitting thru said line a series of impulses at least equal in number to the number of trunks in said series, each of said impulses corresponding to a different trunk, utilizing said impulses in succession to effect the testing of the selectability of said series of trunks in succession, seizing the first selectable trunk in the series in response to said testing, and rendering the impulses corresponding to the remaining trunks of the series ineffective.

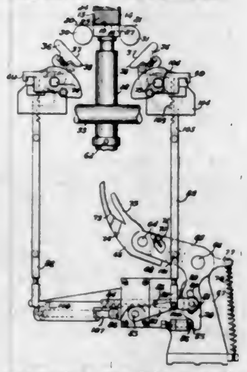
2,241,159
PROPELLER WHEEL FOR STEAMBOATS
Hugo J. Redlich, Stillwater, Minn.
Application September 7, 1939, Serial No. 293,814
2 Claims. (Cl. 170—153)

1. A propeller wheel of the class described comprising a drive shaft, a skeleton frame rigid thereon, vanes having shafts journaled in the frame, links parallel to the drive shaft projecting through and outside of the frame, crank connections between the second mentioned shafts and drive shaft, bearing means for the drive shaft, a cam surrounding the drive shaft located outside of said frame, bolts securing said cam



rigidly to the inner side of the bearing means, and an operative connection between the links and cam, to cause reciprocation of the links as the shaft rotates to move the vanes substantially vertically out of water and to move them through water in an impinging position.

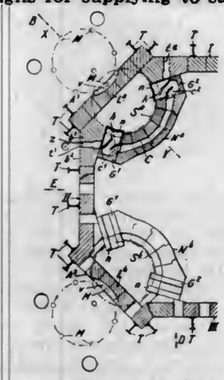
2,241,160
NONSTOP BOX WRAPPING MACHINE
Ernest G. Rider, Philadelphia, Pa., assignor to Stokes and Smith Company, Summerdale, Pa., a corporation of Pennsylvania
Application May 8, 1940, Serial No. 333,995
4 Claims. (Cl. 93—54.2)



1. In box wrapping machines, a lap plate assembly comprising a lap plate having a turn-in portion, a link pivotally supporting the turn-in portion at one end, means pivotally supporting the free end of the link, an oscillatable arm, pivot means engaging the turn-in portion with the said arm, and means for oscillating said arm whereby the turn-in portion is moved as a resultant of two angularly divergent motions.

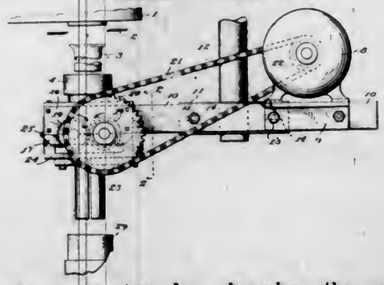
2,241,161
GLASS FURNACE PROVIDED WITH DRAWING-OFF BASINS
Emile Roirant, Paris, France, assignor to Société Continentale d'Appareils Mecaniques pour la Verrerie, Basel, Switzerland
Application January 6, 1937, Serial No. 119,316
In France December 17, 1936
5 Claims. (Cl. 49—56)

3. Glass furnace, comprising: a polygonal enclosure, niches provided in the wall of the furnace at the angles of this enclosure, a continuous channel provided in the wall of the back of each niche, a gathering vessel fitted in each of these niches, troughs for supplying to said vessels the



molten glass contained in the furnace, chambers beneath said troughs, a communication between said chambers and said channel, and means ensuring the continuous circulation of the cooling fluid in the circuit thus formed.

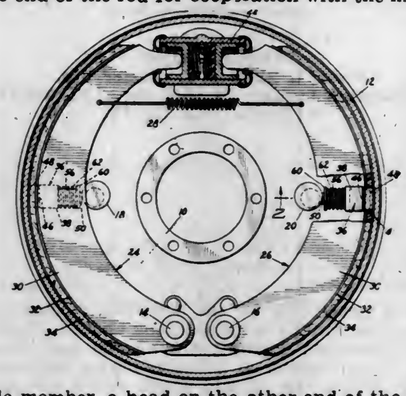
2,241,162
APPARATUS FOR SHAPING GLASS CHARGES
James W. Ross, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application March 23, 1938, Serial No. 197,706
4 Claims. (Cl. 49—5)



1. An apparatus for changing the cross-sectional shape of glass charges to substantially the cross-sectional shape of the parison mold, including a parison mold having a mold cavity non-circular in cross-section, a pair of contacting shaping rollers, each roller having a circumferential cut-away portion uniform throughout the circumference of the roller, the cut-away portions of the two rollers cooperating to form a passage of substantially the non-circular cross-sectional shape of the mold, and a glass feeder from which the charges drop to the shaping rollers.

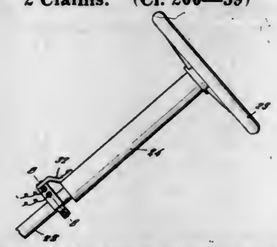
2,241,163
BRAKE
Everett W. Rouch, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application May 4, 1939, Serial No. 271,811
8 Claims. (Cl. 188—79.5)

5. A brake comprising a movable member, a friction element for cooperation therewith, a retractile stop for the element, a sleeve secured to the element, a rod slidable in the sleeve, a head on one end of the rod for cooperation with the mov-



able member, a head on the other end of the rod for cooperation with the stop, and a spring-pressed member cooperating with the last-mentioned head for resisting movement of the rod in one direction.

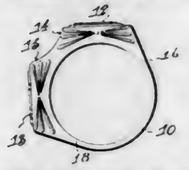
2,241,164
AUTOMATIC DIRECTION SWITCH
Henry A. Schlosser, Zieglersville, Pa., assignor of forty-nine per cent to I. O. Webster, Zieglersville, Pa.
Application March 3, 1939, Serial No. 259,671
2 Claims. (Cl. 200—59)



1. A switch device for a directional signal of a motor vehicle which includes a stationary column and a rotary steering shaft passing therethrough, said switch comprising an arcuate member, a bracket supporting the same from the column and holding the same in concentric relation to the steering shaft, a plurality of curved contacts mounted on and insulated from the curved member and said contacts being insulated from each other, the center contact being of short length and arranged at the middle of the curved member, the contacts next to the short contact being of longer length than said short contact and the outermost contacts being of greater length than the longer contacts, contact posts carried by and insulated from the arcuate member and connected one to each of the contacts excepting the middle contact, a clamping ring encircling a part of the steering shaft and clamped thereto and having a forked projection thereon, a shaft passing through the prongs of the forked projection and a contact wheel rotatably arranged on the shaft for engaging the contacts of the arcuate member, with the wheel resting on the middle contact when the steering shaft is in a position for steering the vehicle in a straight line, the wheel first engaging a shorter

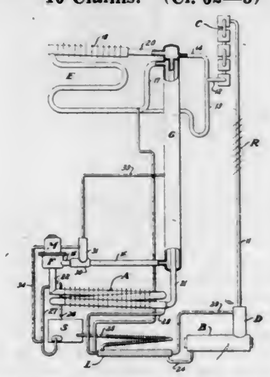
contact and then the longer contact when the steering shaft is operated to cause the vehicle to make a turn.

2,241,165
FINGER RING
Ferial L. Shelton, Lancaster, Mo.
Application January 24, 1940, Serial No. 315,441
2 Claims. (Cl. 63—15)



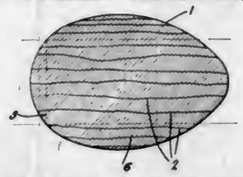
1. A finger ring for the little finger consisting of a substantially annular shank and two principal ornaments fixedly positioned on said shank and being positioned between planes perpendicular to the axis of said shank which are relatively close to said shank, each of said ornaments being symmetrical with reference to an individual plane extending radially of said annular shank, the two radial planes of said ornaments being spaced substantially a quadrant apart, whereby said ring normally orients itself with one of said ornaments on the outside of the little finger.

2,241,166
REFRIGERATION
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application August 17, 1939, Serial No. 290,578
10 Claims. (Cl. 62—5)



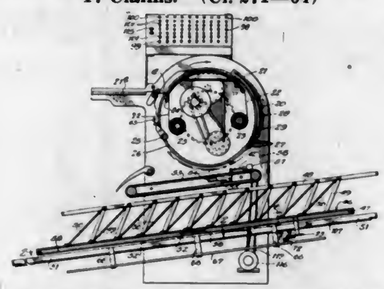
1. Absorption refrigerating apparatus comprising an inert gas circuit including an evaporator and an absorber, an absorption solution circuit including a generator and said absorber, a gas heat exchanger in said inert gas circuit connected between said absorber and said evaporator, means for propelling an inert gas through said inert gas circuit, a circulating pump in said absorption solution circuit for circulating absorption solution therethrough, and thermostatic means for subjecting a selected area of said absorption solution circuit to a pressure which varies between the pressures prevailing within a selected portion of said gas heat exchanger and the pressure prevailing in a portion of said inert gas circuit external to said gas heat exchanger.

2,241,167
EGG-SHAPED BODY OF RED CEDARWOOD
Clarence Edward Storck, Baltimore, Md.
Application October 11, 1939, Serial No. 299,021
3 Claims. (Cl. 299—20)



1. Moth repellent device comprising an ovoid wooden block having the grain running parallel to the long axis of the block, the channels between the wood fibers within limited end areas being adapted to be impregnated through capillarity with a volatile moth repellent liquid, by immersion of an end only of the ovoid block therein, the shape of the block preventing it resting upon its ends when in free repose position whereby both end areas constitute evaporation areas for said volatile fluid.

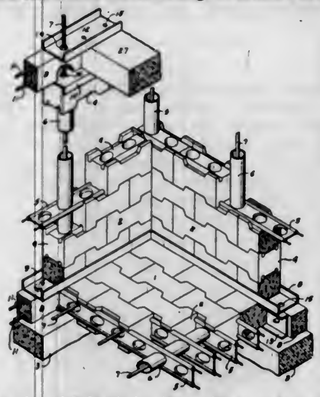
2,241,168
SHEET DISTRIBUTING MECHANISM
Norman E. Truitt and Lewis F. Schroeder, Chicago, Ill., assignors to Autocopy, Inc., Chicago, Ill., a corporation of Illinois
Application April 10, 1939, Serial No. 267,120
17 Claims. (Cl. 271—64)



1. In a machine of the class described and in combination with means for delivering sheets or the like, a carriage provided with compartments and mounted for movement to bring said compartments successively to the point of delivery, means for effecting the movements of said carriage, and control mechanism adapted to be set in advance to hold the carriage in receiving position throughout a predetermined number of cycles of operation of the delivering mechanism, said means including a brain switch and an electrical mechanism in circuit therewith for actuating the carriage moving means, said brain switch being adapted for actuation only by the presence of a sheet or the like traveling to the delivering position.

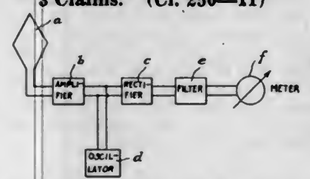
2,241,169
BUILDING CONSTRUCTION
Otto Yokes, Detroit, Mich.
Application December 8, 1937, Serial No. 178,703
18 Claims. (Cl. 72—42)

1. A building construction consisting of an assembly of precast, interlocking, fibrous units of rectangular shape assembled to form a flat slab structure, a rigid belt formed around said slab structure there being prefabricated steel reinforcing members interposed between rows of said units, said members extending continuously from



one side of said belt to the other side with the ends of said members being imbedded in said belt, for the purpose described.

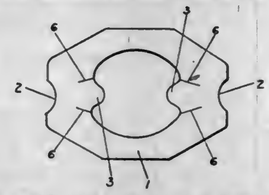
2,241,170
METHOD FOR RECEIVING PERIODIC IMPULSES
Günther Ulbricht, Blankenfelde Mahlow, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 6, 1938, Serial No. 200,399
In Germany February 9, 1937
3 Claims. (Cl. 250—11)



3. In an impulse modulated direction finding system the method of reducing errors due to the interference of echo impulses with the reception of main impulses which includes the steps of receiving said main and echo impulses, generating local oscillations having a frequency differing from the carrier frequency of said impulses by a fixed amount, combining said received impulses and said local oscillations to produce a constant frequency beat frequency current which corresponds to the combination of the frequency of the local oscillator and one side band frequency of the main impulse-modulated carrier, and a varying frequency beat frequency current which changes with changes in the phase of the echo carrier current, selectively passing currents of the frequency of said constant beat frequency currents and rejecting currents of other frequencies, and indicating the amplitude of said selectively passed currents.

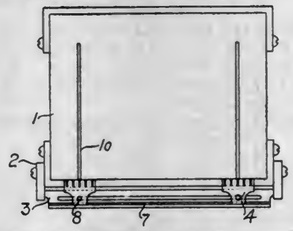
2,241,171
SANITARY COMMODE SEAT COVER
William O. Wallace, Birmingham, Ala.
Application April 8, 1940, Serial No. 328,403
1 Claim. (Cl. 4—243)

A commode seat cover comprising a sheet of heavy paper having a substantially octagon shaped circumference and a substantially round central opening except two opposite extending tongues with their sides cut into the cover portion



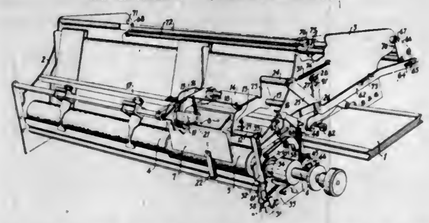
to permit said tongues to be bent downward when in use.

2,241,172
GRIPPER FOR PRINTING PRESSES
Elbert D. Allen, Lansing, Mich.
Application April 22, 1940, Serial No. 331,041
1 Claim. (Cl. 101—408)



A gripper for printing presses comprising in combination with the platen of the press, a transverse member arranged at the edge of the platen, said member having a slot extending lengthwise through it and a groove parallel with the slot, a gripper plate provided with a series of spaced sockets constructed to receive the ends of spaced grippers, said plate having a turned down edge opposite the sockets and a screw hole through the plate, the said turned down edge of the plate engaging the groove in said member, and screws passing through the plate and engaging the slot in the said member to secure the plate in adjusted position.

2,241,173
PAPER HOLDING AND FEEDING MECHANISM FOR ACCOUNTING MACHINES
Walter A. Anderson, Bridgeport, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 29, 1939, Serial No. 311,575
10 Claims. (Cl. 197—128)



1. In a machine of the class described, a traveling carriage having a platen, a work sheet support mounted above the platen, means to raise the work sheet support single line space distances, means to move the carriage laterally, and means, controlled by the lateral movement of the carriage, to thereafter raise the work sheet support a multiple line space distance.

2,241,174
SIZING COMPOSITION
Calvin L. Bachelder, Kalamazoo, Mich., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 3, 1940, Serial No. 317,130
6 Claims. (Cl. 134—21)

6. An aqueous paper coating composition comprising emulsified wax and rosin size in a weight ratio between about 3:1 and about 1:2 on a dry basis, an amount of protein representing between about 1/5 and about 1/33 of the combined weight of wax and rosin size, an amount of water sufficient to provide a dispersion containing between about 0.5 and about 10 per cent by weight of the foregoing mixture of wax, rosin size, and protein, and starch in an amount representing between about 1 and about 6 per cent by weight of the entire composition.

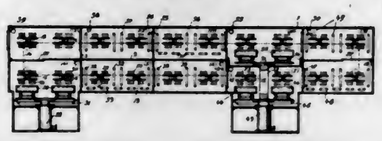
2,241,175
METHOD OF DISTILLING MONOMERIC POLYMERIZABLE SUBSTANCES
Carl E. Barnes, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application January 30, 1939, Serial No. 253,623
6 Claims. (Cl. 202—57)

1. The method of purifying a monomeric polymerizable substance comprising an acid having the formula

$$CH_2=C(R)-COOH$$

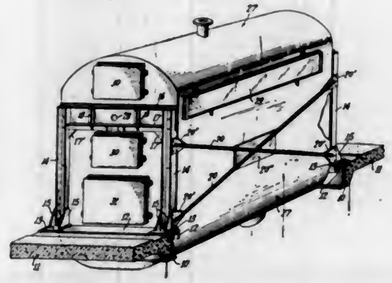
in which R is selected from the group of hydrogen, halogen and the methyl group comprising the steps of distilling the substance and passing the vapor into a fractionating column and there causing the vapor and condensate to contact intimately with a packing presenting an extensive surface area of an inhibitor metal selected from the group consisting of copper and chromium which is located wherever polymerization tends to occur materially, and causing the desired vapor to pass substantially free from said inhibitor and impurities to a cooling zone and there condensing the vapor and quickly cooling the condensate to a temperature at which polymerization will not take place.

2,241,176
APPARATUS FOR PRODUCING HOLLOW ARTICLES BY IMMERSION
Albert Boecler, Berlin, and Kurt Bratring, Dahlem, Berlin, Germany, assignors, by mesne assignments, to Neocell Products Corporation, a corporation of Delaware
Application July 9, 1938, Serial No. 218,326
7 Claims. (Cl. 18—24)



1. In an apparatus for forming articles by dipping molds in a solution containing a volatile constituent capable of forming with air an explosive mixture, a plurality of chambers in which different operations are performed and in the atmosphere of which concentration of the volatile constituents is normally different, the chamber having the highest concentration of the volatile substance opening only into a chamber having a lower concentration, and not directly to the air.

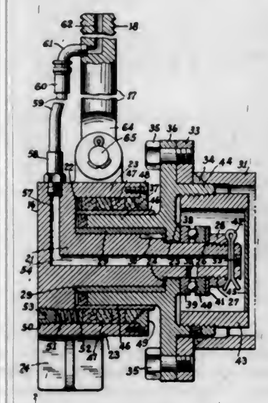
2,241,177
PRODUCTION OF HOLLOW ARTICLES
Albert Boecler, Berlin, and Kurt Bratring, Dahlem, Berlin, Germany, assignors, by direct and mesne assignments, to Neocell Products Corporation, a corporation of Delaware
Application December 31, 1938, Serial No. 248,752
In Germany June 18, 1938
2 Claims. (Cl. 18—24)



1. In a dipping machine, molds, a container for containing a bath of a plastic substance in liquid condition, means for dipping the molds in the bath to form films of said substance on the molds, said dipping means including a movable member capable of producing mechanical shocks when in operation, a framework supporting said movable member and positioned to receive said shocks and capable of being set into vibration by said shocks, and a housing enclosing said means for dipping the molds and insulated from the framework in a manner to prevent transmission of vibrations of the framework to the housing and production of air waves injurious to the films on the molds within the housing.

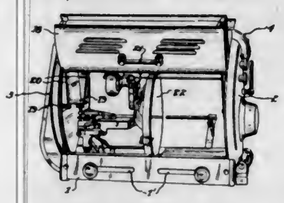
2,241,178
BEARING FOR ORE CLASSIFIERS
Samuel I. Bousman, Sacramento, Calif., assignor to Western Machinery Company, San Francisco, Calif., a corporation of Utah
Application March 15, 1940, Serial No. 324,033
6 Claims. (Cl. 308—36.2)

4. A submersible bearing for the lower end of a hollow shaft, comprising in combination, a circular disk having a central opening, a concentric cylindrical flange of smaller diameter than the disk, for insertion into a tubular shaft, a concentric tubular bearing projecting from the other side of the disk, the inside diameter of the tubular bearing being greater than the diameter of the hole in the disk whereby an inwardly extending flange is formed, a bearing block having a stub shaft projecting from one side, said shaft having its end of reduced diameter and provided with threads, the bearing block having a cylindrical wall enclosing the tubular bearing and spaced therefrom to provide an annular chamber for the reception of packing material, the shaft when in position in the tubular bearing projecting through the central opening in the disk, a nut on the threaded end, a thrust bearing positioned between the nut and the disk, a closure for the end of the cylindrical flange whereby a chamber is formed that encloses the end of the bolt, the bolt and the bearing block having an opening communicating with the chamber formed by the cylindrical flange and its closure, packing in the



annular chamber, and means for compressing the packing.

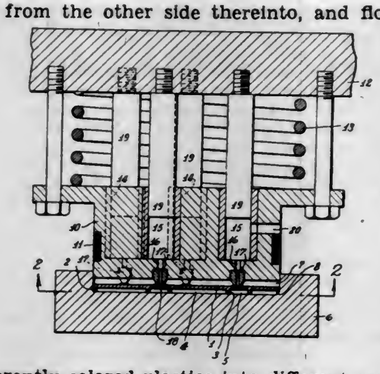
2,241,179
PROJECTION LAMP
Karl Brenkert, Detroit, Mich., assignor to Brenkert Light Projection Company, Detroit, Mich., a corporation of Michigan
Application July 5, 1938, Serial No. 217,385
4 Claims. (Cl. 220—34)



1. In combination with a housing, a suspended door comprising a section hinged at its upper horizontal edge to said housing, another section hinged to the lower horizontal edge of the first section and adapted to fold against the first section in open position, and a link hinged to the opposite and free edge of the second section and to said housing at a point between said free edge and the first hinge axis, said link and second section constituting a toggle when both sections are in open position, the first hinge axis lying at one side of the axis of alinement of said toggle, and the free edge or intermediate toggle pivot being adapted to pass to the same side of the axis of alinement from the other side thereof in the opening movement of the door, whereby the weight of the door holds the door open.

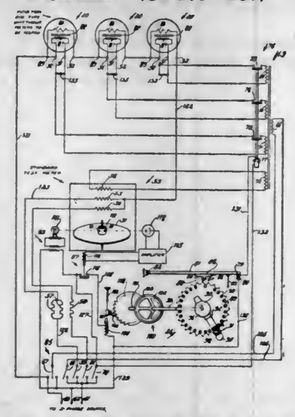
2,241,180
PLASTIC INJECTION INLAY METHOD
James P. Burke, Knoxville, Tenn., assignor of one-half to F. L. McLaughlin, Detroit, Mich.
Application November 10, 1938, Serial No. 239,858
2 Claims. (Cl. 18—61)

1. The method which consists in providing a blank with cavities in one side and ports extending from the other side thereinto, and flowing



differently colored plastics into different cavities through respective ports.

2,241,181
METER TESTING APPARATUS
Robert J. Bushnell, La Grange, Ill.
Application August 19, 1940, Serial No. 353,156
9 Claims. (Cl. 175—183)

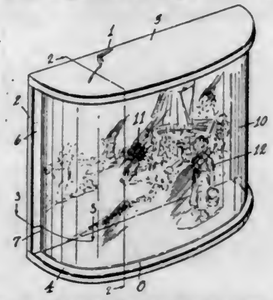


1. Watthour meter testing apparatus comprising, in combination, means for receiving a plurality of watthour meters of the induction disc type to be tested, a standard watthour meter of the induction disc type, and means for simultaneously energizing said watthour meters to be tested during a predetermined number of revolutions of the disc of said standard watthour meter, the displacement of each disc of the meters tested from a given position indicating the degree of inaccuracy of the same.

2,241,182
ORNAMENT
Julius N. Cayo, Benton Harbor, Mich.
Application May 24, 1940, Serial No. 336,957
3 Claims. (Cl. 41—10)

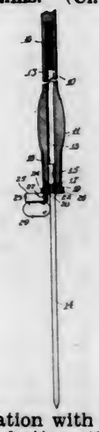
1. In an article of the class described, the combination of a vertically disposed back having top and bottom members projecting from the top and bottom edges thereof to partially enclose the face thereof, vertical grooves at the sides of the face of the back joining with curved grooves in the side and front periphery of the top of the bottom member and the bottom of the top member to receive and conceal the edges of a

sheet of transparent material, a sheet of a transparent material with its edges disposed in and concealed by said groove and held in a curved form thereby, a pictorial representation on the



enclosed face of said back, and a three-dimensional figure representing a subject related to said pictorial representation disposed upon the top of said bottom member and enclosed by said transparent sheet.

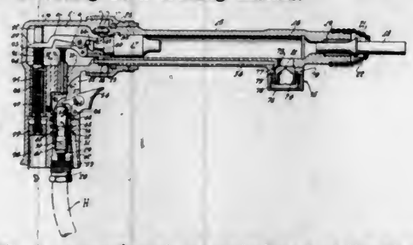
2,241,183
COMBINATION FISHING ROD AND SAND SPIKE
Ernest Ceder, New York, N. Y.
Application April 9, 1940, Serial No. 328,647
6 Claims. (Cl. 43—23)



1. The combination with a fishing rod having an axially bored butt section, of a sand spike arranged in said bore and capable of being drawn partly out of the latter to support the rod when driven into the sand, resilient means in said bore to engage and urge the spike to project the outer end thereof a short distance out of the butt, and an end plate provided with an orifice and carried at the end of the butt section to allow the spike to pass through in one position and to hold the spike from being entirely withdrawn from the bore and to hold the spike from receding into the bore.

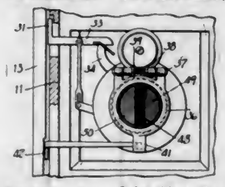
2,241,184
SINGLE ACTION PNEUMATIC RIVETER
Omar E. Clark, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application October 19, 1939, Serial No. 300,185
22 Claims. (Cl. 121—21)

1. In a pneumatic tool, the combination of a piston chamber, a piston movable therein, a pressure chamber in communication with said piston chamber, means for introducing pressure fluid into said pressure chamber to drive said piston, means for positively locking said piston against movement, and pressure responsive means within said pressure chamber for disabling said locking means.



17. A percussive air operated tool of the single action type comprising a cylinder, a hammer piston reciprocable therein, an air reservoir having a volume considerably in excess of the volume of the piston and communicating with said cylinder, means for delivering live air to the reservoir, means for restraining said piston against movement while air is stored in said reservoir, and control means for disabling said restraining means to cause said piston to be driven by stored air expanding from the reservoir into the cylinder.

2,241,185
FOCUSING DEVICE FOR CAMERAS
Alvin H. Cohen, New York, N. Y., assignor of one-half to Frederick L. Katz, New York, N. Y.
Application July 1, 1939, Serial No. 282,333
5 Claims. (Cl. 95—42)

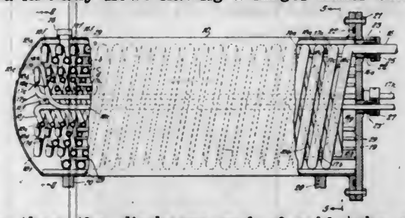


1. In a camera, an objective lens adapted to cast an image upon a focusing plane, means for increasing and decreasing the distance between said lens and the focusing plane, a shutter, a shutter-actuator, means movably mounted in alignment with the lens for blocking the passage of light through at least one medial band portion of the lens, whereby a multiple image is cast by said lens except when it is in focus, and means operable by the shutter-actuator and operatively interposed between the shutter-actuator and said blocking means for moving said blocking means into an inoperative position prior to the actuation of the shutter.

2,241,186
LIQUID COOLER
Uzal E. Coons, Chicago, Ill., assignor to Brown Engineering Corporation, Chicago, Ill., a corporation of Illinois
Application March 16, 1940, Serial No. 324,305
8 Claims. (Cl. 62—141)

1. Apparatus of the kind described comprising a container for a refrigerant, a tube providing a conduit for passing fluid through the container, said tube being arranged to provide a plurality

of coils so connected as to form a plurality of concentric telescoping helicals, one end of said tube being adapted to deliver fluid to said helicals and the other end of said tube to discharge fluid therefrom, the delivery end of the tube and the coiled portion thereof through which the fluid initially flows having a larger inner diam-

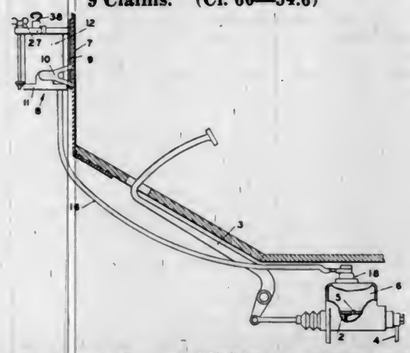


eter than the discharge end of said tube and the coiled portion thereof through which the fluid is passed immediately before its discharge, said delivery end comprising a straight section extending through the central region and being arranged substantially symmetrical to the longitudinal axis of said helicals.

2,241,187
ALLOY STEEL
Ralph P. De Vries, Menands, N. Y., assignor to Allegheny Ludlum Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application December 27, 1937, Serial No. 181,997. Divided and this application May 24, 1939, Serial No. 275,460
4 Claims. (Cl. 75—126)

1. An alloy steel adapted for tools and dies and containing carbon from 0.20% to 1.0%, chromium from 2% to 10%, silicon 0.50% to 2%, molybdenum from 2.5% to 5%, tungsten from more than 5% to substantially less than 8% and at least one-third greater than the molybdenum, vanadium from 0.5% to 2.5%, cobalt from 0.1% to 2% and the balance iron.

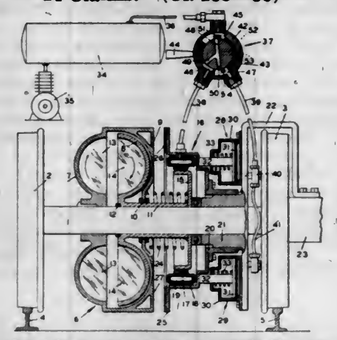
2,241,188
AUXILIARY FLUID SUPPLY MEANS FOR FLUID BRAKES
Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application February 23, 1939, Serial No. 257,931
9 Claims. (Cl. 60—54.6)



1. In means for establishing a reserve supply of fluid for a fluid pressure apparatus, a marketable container of fluid provided with a pouring spout, a conduit connected at one end with the fluid pressure apparatus, detachable means for sealing the other end of the conduit to the bottom of the container, and means comprising a pointed rod carried by the spout and extending through the opening therein into the container and adapted to be operated to puncture the bottom of the container and place the interior thereof in communication with the conduit.

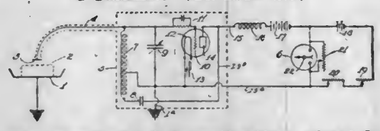
7. In a fluid braking system, a master cylinder provided with a fluid reservoir having a threaded opening in its top, the combination therewith of a plug for said reservoir opening, a tube carried by said plug and extending into the reservoir to the bottom of the reservoir, said tube being provided with an opening spaced from the lower end thereof, a conduit connected to the tube, a holder positioned above the reservoir, a container of fluid mounted in the holder, and means for placing the conduit in communication with the interior of the container.

2,241,189
COMBINED FLUID AND MECHANICAL FRICTION BRAKE
Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application February 15, 1940, Serial No. 318,992
14 Claims. (Cl. 188—86)



1. In braking apparatus, a rotating member, a fluid device of the kinetic type associated with the member, a mechanical brake associated with the member, and control means including a single control element for causing either the fluid device or the mechanical friction brake to be effective to brake the rotating member or both to be effective simultaneously.

2,241,190
METHOD AND APPARATUS FOR PHYSIOLOGICAL RESEARCH
Con Fenning, Salt Lake City, Utah, assignor of three-sevenths to Barnet E. Bonar
Application May 21, 1937, Serial No. 143,907
4 Claims. (Cl. 128—2.1)

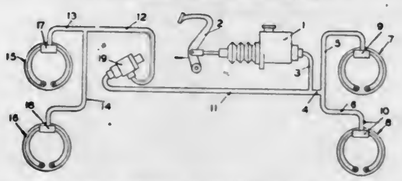


1. The method of investigating physiological phenomena which consists in placing the subject in proximate relation to a condenser plate but out of contact therewith, constituting the subject an opposing plate of the condenser, then for the purpose of observing changes in the capacity of such condenser caused by movement of the

subject toward and from the plate, coupling the condenser into the variable tuned grid tank of an oscillator and providing an indicating device responsive to direct current variations produced in the plate circuit of the oscillator by changes in the resistance of the circuit resulting from modulation of the frequency of oscillation occurring from said changes in capacity of the condenser.

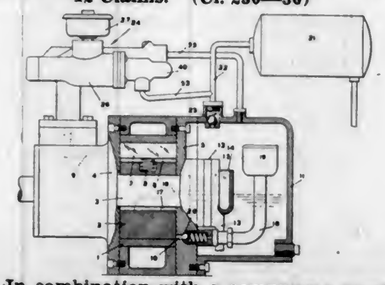
2. In an apparatus for investigating physiological phenomena, a variable tuned grid tank of an oscillator, said tank consisting of an inductance and a variable condenser, a direct current plate circuit which includes a source of direct current and a measuring instrument responsive to variations of current flow in said circuit, an audion having its plate and filament included in said direct current plate circuit and arranged with its grid connected by way of a grid leak and bias to the variable tuned grid tank and with a fixed condenser and an inductance connecting the plate circuit to said grid tank, together with a metallic plate and a support disposed for holding an organism under observation in spaced relation to said plate, means connecting said metallic plate to the grid end of said grid tank, and means connecting said support to the other end of the variable tuned grid tank, whereby said metallic plate and said organism on the support constitute elements of a condenser in tuning relation to the variable condenser of the variable tuned grid tank so that changes in the spacing between said condenser elements alter the capacity of the condenser, thus altering the frequency of oscillation of the oscillator which provides for reversible variations of grid bias of the oscillator to cause said grid to act as a reversible automatic variable resistance operating in a directional manner upon the flow of direct current in the direct current plate circuit for actuating the instrument in said circuit to indicate by automatic, directional and reversible movements the relative and absolute movements of the organism relative to said metallic plate.

2,241,191
PRESSURE REDUCING VALVE MECHANISM FOR FLUID BRAKES
Walter R. Freeman, University City, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application September 2, 1939, Serial No. 293,177
9 Claims. (Cl. 188—152)



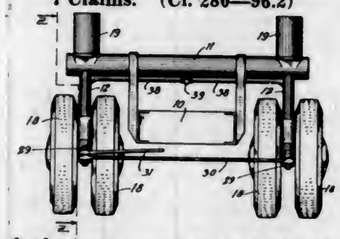
1. In fluid pressure braking apparatus for a vehicle, two brakes, means for actuating the brakes comprising a source of pressure, a fluid motor associated with each brake and conduit means for connecting said motors to the source of pressure to permit fluid under pressure to be supplied to the motors, and means operable automatically in response to deceleration of the vehicle for causing the fluid pressure being supplied by the source to one of the motors of said brakes to be a predetermined value less than that supplied by said source to the other motor, said means comprising a rolling ball mounted on an inclined track.

2,241,192
COMPRESSOR UNLOADING VALVE MECHANISM
Walter R. Freeman, University City, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application January 17, 1940, Serial No. 314,214
12 Claims. (Cl. 230—30)



1. In combination with a compressor provided with an intake port and a discharge port and having associated therewith receiver means for the compressed fluid developed thereby, of valve means for controlling the intake port, means operable by a predetermined fluid pressure developed by the compressor for closing said valve means, and means operable upon the closing of the valve means for causing a fluid pressure created force of a valve less than that employed to close the valve means to act on said valve means and hold it closed.

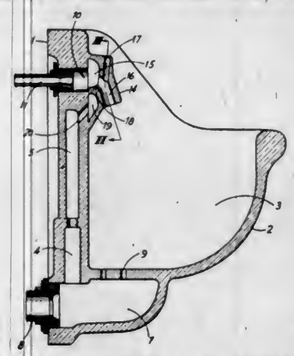
2,241,193
DUAL WHEEL AND BRAKE CONSTRUCTION
Vactor G. Garnett and Edward V. Garnett, Denver, Colo.
Application December 23, 1938, Serial No. 247,378
7 Claims. (Cl. 280—96.2)



1. A dual wheel mounting for a vehicle chassis comprising: a transverse beam extending across said chassis; a fixed tube extending downwardly from adjacent each extremity of said beam; a plunger extending upwardly within each tube and projecting below the lower extremity thereof; an axle member secured on the lower extremity of each plunger; wheel axles extending oppositely outward from each of said axle members; a wheel mounted on each of said wheel axles; an inverted fixed spring cup secured to said beam over the upper extremity of each of said tubes; and resilient means compressed between the bottoms of said spring cups and said plunger.

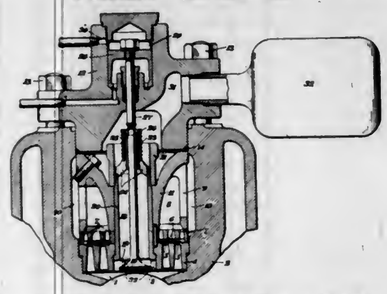
2,241,194
COMBINATION LAVATORY AND DRINKING FOUNTAIN
Gordon P. Gavin, Kohler, Wis.
Application October 26, 1940, Serial No. 362,977
6 Claims. (Cl. 4—166)

1. In a combination lavatory and drinking fountain, the combination of a back, a bowl formed integral therewith, a drain passageway attached to said bowl and in communication with the interior thereof, an overflow aperture in said back, an overflow passageway attached to said back and in communication with said overflow aperture, a discharge spout formed integrally with said back and in communication with a



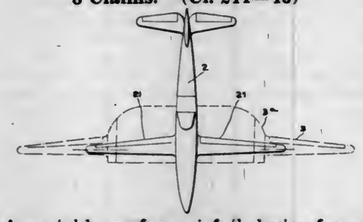
source of water supply, said discharge spout comprising a spout adapted to discharge into said bowl, a drinking nozzle in communication with said spout and positioned at an acute angle with respect to the direction of flow through said spout, one or more relief ports in communication with said spout, and a relief passageway providing communication between said relief port and said overflow passageway.

2,241,195
COMPRESSOR UNLOADING MECHANISM
Hewitt A. Gehres, Mount Vernon, Ohio, assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio, a corporation of Ohio
Application January 10, 1939, Serial No. 250,093
3 Claims. (Cl. 230—21)



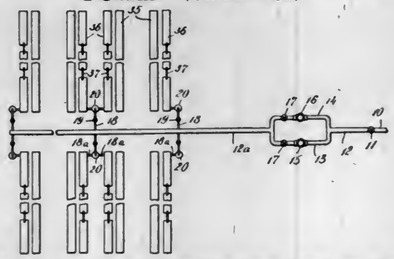
1. In combination, a compressor cylinder including suction and discharge valve mechanisms having rigidly mounted valve seat members and movable valve members constructed and arranged to periodically open and close communication through said valve seat members, at least one of said valve mechanisms having therein an unloading passageway leading to the cylinder space which is additional to the parts above set forth, and an unloading valve member also additional to the parts above mentioned, said unloading valve member provided with means for holding the same in positions respectively opening and closing communication between the cylinder space and said last mentioned passageway, said last mentioned passageway communicating with the suction passage of the compressor.

2,241,196
VARIABLE SURFACE AIRFOIL
Jacques Gérin, Boulogne-sur-Seine, France
Application August 16, 1939, Serial No. 290,348
In France August 29, 1938
8 Claims. (Cl. 244—43)



1. A variable surface airfoil device for an airplane or a hydroplane having a fuselage, the combination of a fixed beam mounted transversely on the fuselage with respect to the line of flight, a rigid airfoil encasing said beam and serving as a wing or airfoil for flying at high speed, means movably mounting said airfoil on said beam so as to be movable along the same to extreme extended position, and a unitary flexible lifting surface member connected to the root of said rigid covering and stored in a portion of the fuselage when the rigid covering is in retracted position and drawn out and exposed in effective lifting position by moving said rigid covering out along said beam, means in the fuselage for retaining the inner end of said flexible lifting surface member when the same is in extended position and also for receiving the same in retracted position of the rigid covering and flexible surface member.

2,241,197
FLUID CONTROL SYSTEM
John Gift, Temple, Pa., assignor to Rosedale Knitting Company, Reading, Pa., a corporation of Pennsylvania
Application January 20, 1940, Serial No. 314,809
1 Claim. (Cl. 137—68)

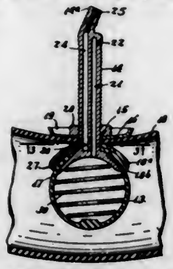


The method of adjusting the level of liquid maintained in a float chamber by a float-operated valve subject to be moved toward open position by pressure of the incoming liquid and to be closed by the buoyancy of the float which comprises maintaining the pressure of the incoming liquid at a predetermined pressure, whereby the buoyant force of the float necessary to shut off the supply of liquid, and the resultant level thereof in the float chamber, will vary as the predetermined pressure of the incoming liquid is varied.

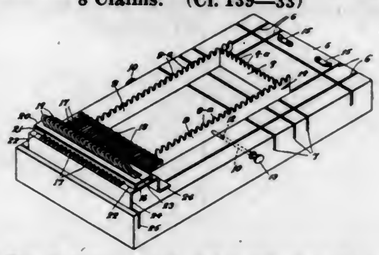
2,241,198
WARNING VALVE FOR FLAT TIRES
Martin Glowka, New York, N. Y.
Application November 20, 1940, Serial No. 366,334
4 Claims. (Cl. 116—34)

1. In combination with an inner tube for a

tire of a vehicle, a compressible bulb within said inner tube, a stem engaging through an opening in the inner wall of said inner tube and through an opening in said bulb and having a head on its inner end disposed within said bulb, a base clamp element on said stem and outside of said bulb and engaging over the edge portions of the opening in said bulb and cooperative with said head for supporting said bulb, an outer clamp element on said stem and outside of said tube and engaging over the edge portions of the opening in said inner tube and cooperative with said base clamp for supporting said stem on said inner tube, said stem having a passage from its inner end to its extended end portion fashioned to whistle when said bulb is periodically compressed when said tire is partially flat and said vehicle travels, and a spring interiorly of said compressible bulb for holding it expanded, said compressible bulb being provided with ribs reinforcing the walls thereof to be capable of withstanding the air pressure within said inner tube.



2,241,199
HAND LOOM
William J. Hines, Hartford, and William G. Hines, West Hartford, Conn.
Application August 12, 1938, Serial No. 224,430
8 Claims. (Cl. 139—33)



8. For a loom of the character described, the combination consisting of a base, rows of loop retaining means forming three sides of a rectangle on said base, and a row of pivotally mounted loop retaining means on a line transverse to two of said rows, to form the fourth side of said rectangle, and spaced from the ends of said two rows to permit the insertion of a weft needle between said row and ends.

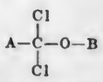
2,241,200
PROCESS OF PRODUCING CHLORINATED ETHERS
Heinrich Hopff, Ludwigshafen - on - the - Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 25, 1939, Serial No. 258,458. In Germany March 4, 1938
6 Claims. (Cl. 260—611)

1. A process of producing chlorinated ethers which comprises heating compounds of the general formula



wherein A stands for an aromatic radical selected from the class consisting of benzene and naphthalene, R_1 and R_2 for a member of the class consisting of hydrogen and chlorine, with alkylene-oxides.

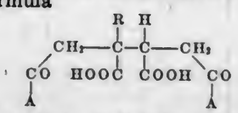
5. A chlorinated ether corresponding to the general formula



wherein A stands for an aromatic radicle selected from the class consisting of benzene and naphthalene and B for a beta-chloralkyl group containing from 2 to 4 carbon atoms.

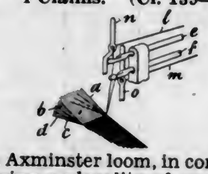
2,241,201
CONDENSATION PRODUCTS FROM BUTANE TETRACARBOXYLIC ACIDS AND PROCESS FOR PRODUCING SAME
Heinrich Hopff, Ludwigshafen - on - the - Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 16, 1939, Serial No. 279,487. In Germany July 12, 1938
9 Claims. (Cl. 260—515)

4. Condensation products corresponding to the general formula



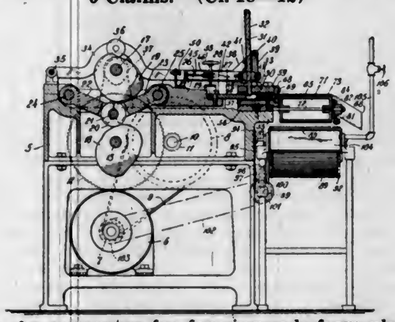
wherein R stands for a member selected from the group consisting of hydrogen, methyl and phenyl and A stands for a radicle selected from the group consisting of aromatic hydrocarbons and halogen substitution products thereof obtained by condensation of one molecular proportion of a butane-1,2,3,4-tetracarboxylic acid anhydride with two molecular proportions of a compound selected from the group consisting of aromatic hydrocarbons and halogen substitution products thereof.

2,241,202
AXMINSTER LOOM
Herbert Mellor Jameson, Bridgnorth, England
Application October 19, 1940, Serial No. 361,839
In Great Britain September 26, 1939
4 Claims. (Cl. 139—123)



1. In an Axminster loom, in combination, means for producing a plurality of superimposed sheds, an upper open-eye needle for carrying a weft thread through one shed, a lower open-eye needle for carrying a weft thread through the shed below the aforementioned shed, means for presenting a weft thread to one of said needles, a second means for simultaneously presenting a second weft thread to the other needle, and means for reversing the positions of said two presenting means prior to each shot of the needles, whereby each of said weft threads is alternately introduced into said two sheds.

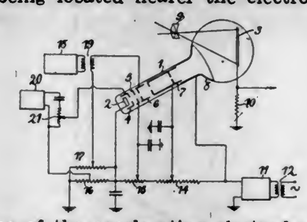
2,241,203
APPARATUS FOR MAKING PENCIL LEADS
David Juelss, Brooklyn, N. Y., and Frank Drews, Woodcliff, N. J., assignors to American Lead Pencil Company, Hoboken, N. J., a corporation of New York
Application November 11, 1937, Serial No. 174,096
6 Claims. (Cl. 18—12)



6. An apparatus for forming rods from plastic material comprising a compression chamber having an opening through which a ribbon of plastic material may be fed and an extrusion orifice, a ram reciprocably mounted in the chamber and means for reciprocating the ram including toggle means and cams at opposite sides of the toggle means and directly bearing on the knee thereof for positively actuating the toggle means to advance and retract the ram; means for rotating the cams; mechanical means for gripping the opposite sides of a ribbon of plastic material for feeding it to and through said opening and into said compression chamber including parts spaced opposite one another, means for causing one of said parts intermittently to move toward the other part to grip the ribbon of material, said parts thereafter moving said ribbon of material towards said compression chamber, means for causing said parts to release said ribbon of material after a predetermined movement toward the compression chamber and means for restoring said parts to their original position to again grip the ribbon of material on a subsequent feeding operation, and means so synchronizing the operation of said feeding means and the operating means therefor with the reciprocation of said ram that the feeding means is operated to feed material to said chamber only between compression strokes of the ram.

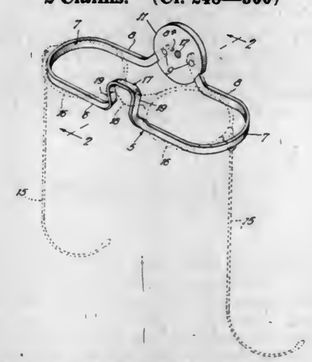
2,241,204
SIGNALING SYSTEM
John Edgar Keyston, Hayes, and Leonard Francis Broadway, Hillingdon, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application April 17, 1936, Serial No. 74,826
In Great Britain April 17, 1935
1 Claim. (Cl. 178—7.2)

A television signaling system comprising a cathode ray image transmitting scanning tube, said tube having included therein means including an electron source to develop a cathode ray beam and a photoelectrically responsive mosaic electrode adapted to receive a light image of which an electro-optical replica is to be produced at receiving points and a signal plate element associated with the mosaic electrode, a signaling circuit connected with the signal plate electrode, means comprising a plurality of electrode elements to accelerate and focus the developed cathode ray beam upon the mosaic electrode, means to deflect the cathode ray beam in a predetermined traversal pattern relative to the mosaic electrode to release energy to the signal circuit which is proportional to the brilliance of the optical image cast upon the mosaic, a source of synchronizing signal energy, a plurality of modulating electrodes intermediate the electron source and the mosaic and along the path of the electron beam, one of said modulating electrodes being located nearer the electron source



than one of the accelerating electrodes and the other of the modulating electrodes being located nearer the mosaic than the said accelerating electrode, an electrical connection to supply the generated carrier to one of the modulating electrodes so that the signal impulses in the signaling circuit are modulations of the said carrier frequency, an electrical connection to supply the synchronizing signals to the other of the modulating electrodes to suppress the cathode ray beam at predetermined intervals, said independent connections to the modulating electrodes being such that direct interaction between the carrier frequency energy source and the synchronizing signal energy source is reduced to a minimum value.

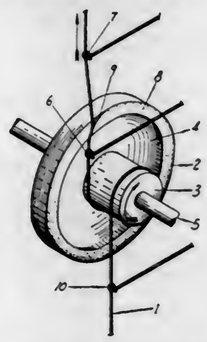
2,241,205
SUPPORTING DEVICE FOR EYEGLASSES, SPECTACLES, AND THE LIKE
George A. Kimber, Chicago, Ill.
Application January 13, 1939, Serial No. 250,691
2 Claims. (Cl. 248—300)



2. A supporting device for eyeglasses comprising a strip of material bent to form an elongated, horizontally disposed, apertured body member, securing means at one side thereof and operatively related to the end portions of said strip for securing said body member in desired position to a support, upwardly extending retaining means formed integrally with the material of said body

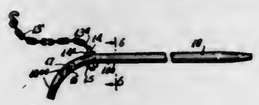
member adjacent the central transverse portion thereof and at the opposite side of said body member, said retaining means having upwardly diverging side portions for retaining a pair of eyeglasses positioned on said body member against accidental displacement with respect thereto, and prongs formed adjacent said end portions of the strip and engageable with said support for maintaining said body member against angular displacement with respect to the support.

2,241,206
APPARATUS FOR THE PRODUCTION OF BROKEN FILAMENT YARN
Frederick William Koster, Meadville, Pa.
Application June 1, 1940, Serial No. 338,306
3 Claims. (Cl. 19—1)



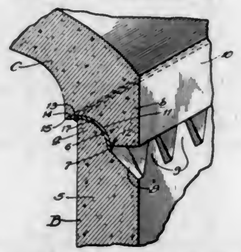
1. An apparatus for producing broken filament yarn comprising a revolvable member having a hub portion and a portion of larger diameter, the portion of larger diameter having an abrasive surface adjacent its periphery, means for directing a traveling yarn around the hub portion to rotate the member with the abrasive surface having a peripheral speed greater than the rate of travel of the yarn and means for withdrawing the yarn from the member across the abrasive surface.

2,241,207
EXHAUST PIPE AND BOILER TUBE COLLAPSER AND PULLER
Otto Kouba, North Bergen, N. J.
Application February 15, 1940, Serial No. 319,069
6 Claims. (Cl. 294—103)



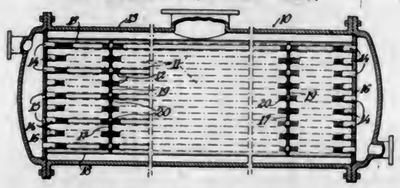
1. An exhaust pipe and boiler tube collapser and puller, comprising a bar adapted to be positioned in a substantially horizontal position and having an upwardly curved front end portion, and a gripper member for encircling a pipe or tube and mounted on said curved front end portion, said gripper member comprising a chain, and means for fixedly holding said chain in various positions along the end portion of said bar, said means comprising a bolt attached to the end of said chain and passing through an elongated longitudinally extended slot formed in said bar and means for holding said bolt in various fixed positions along the length of said slot.

2,241,208
BURIAL VAULT
Harold F. Kuettner, Dundee, Ill.
Application September 6, 1939, Serial No. 293,588
1 Claim. (Cl. 72—7)



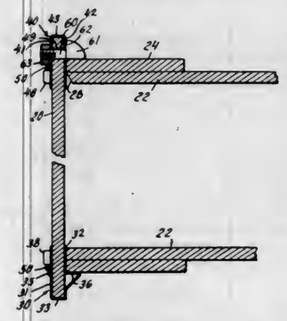
In a burial vault, the combination of a box body having enclosing walls open at the top to provide a continuous rim and formed along the upper rim surface with an outwardly and upwardly presented curved sealing surface of a width substantially equal to one-half the width of the wall and occupying a position at the inner portion of said rim, the remaining outer portion of said rim being inclined downwardly and outwardly, a cover for the box provided with depending marginal walls providing a continuous rim having a curved sealing surface occupying a position at the inner side of said latter rim and adapted to cooperate with the first-mentioned sealing surface in substantially coextensive sealing engagement therewith when the cover is in position on the box body, a sealing lip depending from the cover rim at the extreme inner edge thereof and adapted to project below the uppermost level of the box body rim on the inside thereof, and a plurality of spaced supporting means on the body walls at the outer portion of said rim upon which the under face of the cover flange may rest when the cover is in final position upon the box body, said supporting means extending transversely of the body walls for substantially one-half the thickness thereof, the sealing lip and one edge of said latter sealing surface providing screed lines whereby a sealing compound placed on said latter sealing surface may be evenly leveled.

2,241,209
FINNED CONDENSER TUBE
Edward S. Lea, Morrisville, Pa.
Application June 8, 1940, Serial No. 339,434
10 Claims. (Cl. 257—236)



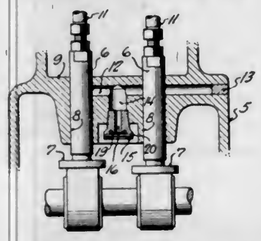
1. In a heat exchanger, a metal tube having a plurality of fins extending radially from its outer surface and a substantially firm bearing portion formed between its ends; and a supporting sheet having an opening therein of a diameter at least equal to that of said fins through which opening said tube extends; said bearing portion comprising metallic means engaging said tube and providing it with a substantially smooth cylindrical outer surface of a diameter which is at least substantially equal to the outside diameter of said fins, and said tube being supported by said sheet by having its bearing portion snugly fitting the opening in said sheet.

2,241,210
KNOCKDOWN REUSABLE HOGSHEAD
William S. Luckett, New York, N. Y.; Marianne Eagles Luckett, executrix of William S. Luckett, deceased
Application November 1, 1937, Serial No. 172,113
8 Claims. (Cl. 217—72)



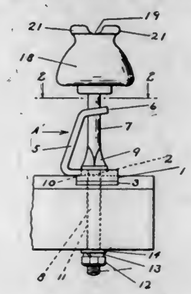
1. A knockdown hogshead comprising a plurality of master staves having smooth inner surfaces, a head and a wire hoop, fittings on the lower parts of said staves, each comprising a flange adapted to overlie the outer surface of a stave, parts of said flanges being bent outwardly to form lugs, a second flange adapted to overlie the inner surface of the stave, said inner flange being bent inwardly to form head supporting seats, and means for permanently securing the fitting to the stave, said securing means having an element projecting outwardly beyond the flange, said lugs and elements being positioned and arranged to hold the wire hoop between them.

2,241,211
INTERNAL COMBUSTION ENGINE
Perry E. Mack, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application December 27, 1938, Serial No. 247,858
4 Claims. (Cl. 184—6)



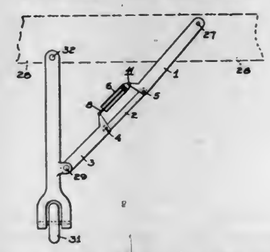
1. In combination: a substantially closed chamber adapted to contain a lubricant and subject to pressure pulsations: one wall of the chamber having a bore therethrough; a part movable in said bore; free motion of said part being assured by the provision of lubricant from the chamber, said wall of the chamber having another bore substantially lateral to the first named bore and opening to said first named bore near its outer end, said wall also having a tapped hole opening to said lateral bore; and a plug having a valve mounted therein threaded in said tapped hole, the valve of said plug being biased to open position and being closed only when a plenum obtains inside the chamber.

2,241,212
INSULATOR PIN REINFORCING BRACKET
Edward A. Mack, Huntington, W. Va., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application May 13, 1939, Serial No. 273,431
5 Claims. (Cl. 248—220.5)



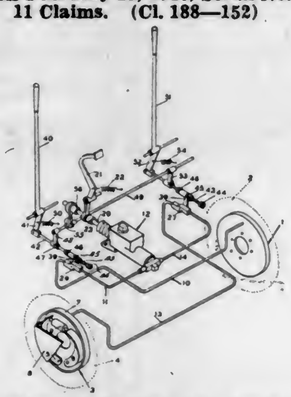
5. The combination with an insulator pin including a shank having a flange intermediate its ends, of a reinforcing bracket including a base having an aperture receiving said shank, said base engaging said flange on one side thereof, an arm extending upwardly from said base, and spaced fingers engaged with said shank upon opposite sides thereof at a position disposed on the other side of said flange, said base, arm and fingers comprising an integral unit.

2,241,213
JOINTED MECHANISM, CHIEFLY ADAPTED FOR USE UPON UNDERCARRIAGES OF AIRCRAFT
Jean Mercier, Neuilly-sur-Seine, France
Application February 9, 1938, Serial No. 189,526
In Belgium February 13, 1937
6 Claims. (Cl. 244—102)



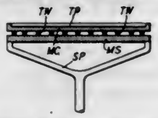
1. A jointed mechanism, chiefly adapted for use upon retractable undercarriages of aircraft comprising a folding strut member consisting of at least three main practically equivalent pivoted elements pivotally interconnected, having substantially similar dimensions and adapted to be in alignment upon the unfolding of the mechanism, and a single member such as a jack mounted on said mechanism for controlling the movements thereof, said member being connected to at least two of said main elements and producing their relative displacement.

2,241,214
BRAKING SYSTEM FOR ASSISTING IN STEERING
Arthur N. Milster, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application February 15, 1940, Serial No. 318,981
11 Claims. (Cl. 188—152)



1. In braking mechanism, two brakes, means for actuating both brakes simultaneously, means for disconnecting one brake so that it cannot be actuated by said first named means, and means controlled by the operation of a single member for successively operating the second named means and the first named means.

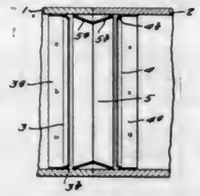
2,241,215
LUMINESCENT SCREEN
Leonard Morris Myers, Roseberry, Middlesbrough, Yorkshire, England, assignor to Radio Corporation of America, a corporation of Delaware
Application November 26, 1938, Serial No. 242,501
In Great Britain December 1, 1937
10 Claims. (Cl. 250—27.5)



10. A luminescent screen comprising a highly refractory metal heater element, a layer of highly refractory oxide on said heater element, and a substantially planar layer of finely divided highly refractory powder supported upon said layer of refractory oxide.

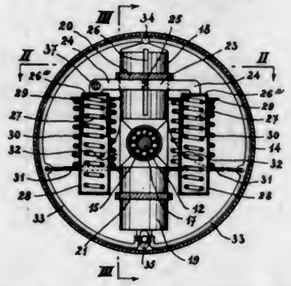
2,241,216
WELDING
George H. Phelps, Floral Park, N. Y., assignor to Metropolitan Engineering Company, Brooklyn, N. Y., a corporation of New York
Application August 17, 1939, Serial No. 290,581
14 Claims. (Cl. 219—10)

1. The method of electric-resistance welding two pieces of metal together at the edges thereof to form a continuous wall and confining the burr and loose metallic particles resulting from the weld which method includes the steps of arranging the pieces to be welded to engage a closure element, arranging a sheet metal flexible closure element flexible in the plane of the weld across the joint and so as to avoid completing through the closure element an electrical circuit between the pieces to be welded, the closure element being positioned to engage the pieces upon the take-up as the weld is effected, electrically



heating the adjoining edges of the pieces to be welded and upsetting the metal at the joint by moving the pieces together.

2,241,217
INDEPENDENT WHEEL MOUNTING WITH SUSPENSION MEANS ACCOMMODATED WITHIN THE WHEEL
Désiré Peeters, Assche, Belgium
Application April 26, 1939, Serial No. 270,055
In Germany April 27, 1938
5 Claims. (Cl. 280—96.2)

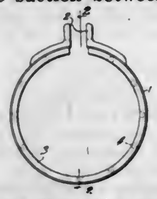


1. An independent wheel mounting for a vehicle including suspension means located within the wheel comprising a hub member mounted on the spindle of the wheel, a guide member comprising upper and lower diametrically opposed projections from said hub member, a pair of collar members secured to the chassis of the vehicle and mounted for vertical sliding movement upon the upper and lower parts of said guide member respectively, a pair of spring means mounted on diametrically opposite sides of said hub member, said spring means comprising each a pair of coaxial helical springs of which the first is carried by the lower part of said guiding member and the second bears upon said first spring, vertically movable means actuated by the upper collar member and bearing upon said second springs to transmit load thereto from said upper collar member, and means preventing rotation of the vertically movable means relative to the guide member.

2,241,218
LINING FOR BRAKES AND THE LIKE
Eugene E. Pickard, Cleveland, Tenn.
Substitute for abandoned application Serial No. 72,987, April 6, 1936. This application September 19, 1940, Serial No. 357,445
4 Claims. (Cl. 188—261)

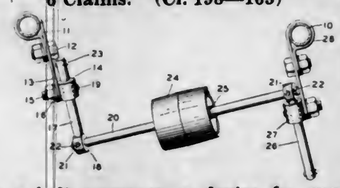
1. In a brake of the character described, a brake shoe having a drum engaging face, a yieldable lining covering said face and having openings extending therethrough, and means for sealing said lining to said shoe against ingress of

air, said openings cooperating with the brake drum to create suction between the lining and



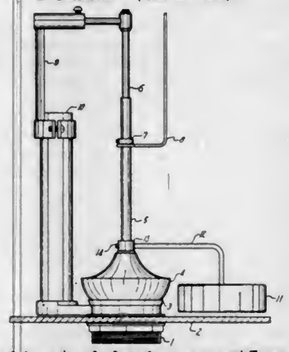
said drum to retard relative movement therebetween.

2,241,219
ROLL SUPPORT FOR STRAP CONVEYERS
Alexander Plausics, Forest Hills, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application May 28, 1938, Serial No. 210,555
6 Claims. (Cl. 198—165)



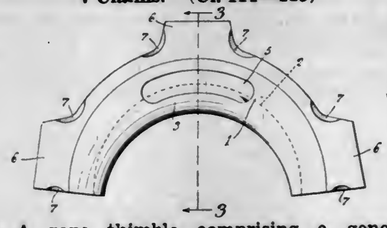
1. In a belt conveyer, a device for mounting a pulley on a supporting structure in any of a plurality of angular positions relative thereto, comprising clamps attached to said supporting structure, studded sleeves adjustably affixed to said clamps by said studs, eyebars slidably positioned in said sleeves and also arranged therein for rotation about the longitudinal axis of said sleeves, and a shaft about which said pulley may revolve, said shaft having its support in said eyebars.

2,241,220
FLUSH TANK VALVE CONSTRUCTION
Walter R. Powers, Pittsburgh, Pa.
Application October 31, 1939, Serial No. 302,142
1 Claim. (Cl. 4—57)



In a flushing tank having an outflow passage, a valve for closing said passage, said valve being adapted to seat by gravity, and a float for said valve adapted to drop with the level of the water in the flush tank to positively retard the seating of the valve until the water in the tank is level with the outflow passage, said float comprising a housing forming an air chamber for floating on the water in the tank, having adjustable bracket connecting the float to the valve to adjust the float to the desired seating action of the valve.

2,241,221
THIMBLE
William C. Russell, Kenosha, Wis., assignor to Macwhyte Company, Kenosha, Wis., a corporation of Illinois
Application March 6, 1939, Serial No. 260,144
7 Claims. (Cl. 114—115)



1. A rope thimble comprising a generally curved body, said body portion being convex on its under surface and concave on its upper surface, and a pair of integral side walls projecting from the concave side of said body, and a plurality of integral, flexible ears projecting outwardly from said side walls, the thickness of said ears being reduced from the point at which each joins a side wall to its outer end, said ears at their sides where they join the side walls being weakened and being otherwise unweakened, said ears adapted to be bent to engage a rope lying about the body portion and between the side walls.

2,241,222
PROCESS FOR RAISING AND CURLING THE FLUFFS OF FABRICS
Bruno Sonnino, Milan, Italy
Application August 28, 1937, Serial No. 161,432
In Italy September 11, 1936
6 Claims. (Cl. 26—2)

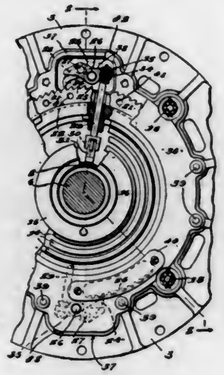


1. A process for raising the nap or fluff of raised cloths or cloths otherwise fluffy, in which the fluff is flat and lies in one direction, which consists in subjecting the surface of said cloth upon one side to the action of at least one jet of fluid which is directed against said side and at an angle with respect to the plane of the cloth, causing the jet of fluid to pass with an alternate movement over said surface in a direction transverse to the direction in which the fluff lies in order to produce a whirlwind effect among the fluff fibres which will thus be raised, curled and interwoven, with a resulting increase of the thickness and softness of the layer of fluff treated, and combining said alternate movement with a longitudinal intermittent movement at the end of each stroke of said alternate movement, in order to treat, step by step, the entire surface of the cloth under treatment.

2,241,223
AUTOMATIC WEAR TAKE-UP FOR FRICTION CLUTCHES
Charles B. Spase, Nedrow, and Robert S. Root, Syracuse, N. Y., assignors to W. C. Lipe, Inc., Syracuse, N. Y., a corporation of New York
Application July 31, 1939, Serial No. 287,444
9 Claims. (Cl. 192—111)

1. In a spring loaded friction clutch including a

back plate, an abutment carried by the back plate and adjustable axially of the clutch to take up for wear of the friction faces of the clutch, and throw-out mechanism including a sleeve, and parts actuated thereby to transfer the movement thereof and the force of the spring to engage and disengage the clutch, said parts coacting with the abutment during the engaging of the clutch, the sleeve having a normal starting position and being movable beyond said starting position, as the friction faces of the clutch wear; the combination of means operable by the movement of the sleeve



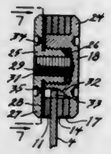
beyond its normal starting position to adjust the abutment axially, said means including a ratchet ring carried by the back plate and held from axial movement and coacting with the abutment to shift the same axially upon relative turning movement of the ratchet ring, pawl mechanism extending in a circumferential direction relatively to the ring and coacting with the ring and including a carrier pivoted to the back plate, and connections between the pawl carrier and the sleeve and operable by the axial movement of the sleeve beyond normal starting position to actuate the pawl.

2,241,224

FILM SPLICING DEVICE

Bruno Stechbart, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois

Application April 7, 1937, Serial No. 135,520
3 Claims. (Cl. 154—42)



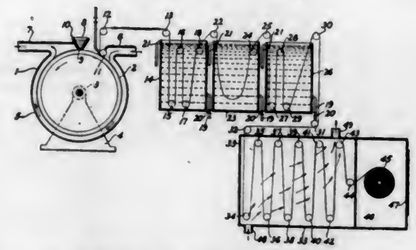
1. In a film splicing device, the combination with a plurality of film engaging members, of pivot mounting means whereby said engaging members are relatively movable, said mounting means comprising an axle member extending through apertures in said engaging members and provided with a circumferential thrust bearing flange, a thrust bearing member screwthreaded in an axial bore extending partially through said axle member and provided with an opposing circumferential thrust bearing flange, and a set screw screwthreaded through an axial bore of said thrust bearing member and engaging the bottom of said first mentioned axial bore to lock said thrust bearing member in axially adjusted position.

2,241,225

CURING OF SYNTHETIC RESIN FILMS

Ralph H. Talbot, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application December 9, 1939, Serial No. 308,501
2 Claims. (Cl. 18—57)



1. The method of making resin film which comprises depositing in the form of a film on a film-forming surface a solution of a resin in a volatile solvent, removing sufficient solvent by heating to permit the film to be stripped from the surface and thereafter simultaneously curing the film and relieving internal strains which may have been set up therein as a result of stripping by immersing the film in a hardening bath of cold water, then immersing the film while freely supported in a bath of warm water, then immersing the film in a second hardening bath of cold water, and finally ironing out any irregularities which may have developed in the film during the warm water treatment.

2,241,226

MANUFACTURE OF CELLULOSE ESTERS CONTAINING UNSATURATED HIGHER ACID RADICALS

Carl J. Malm and Gordon D. Hiatt, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 17, 1938, Serial No. 196,472
9 Claims. (Cl. 260—225)

1. A process for preparing cellulose esters containing unsaturated acyl groups of more than 10 carbon atoms, which comprises reacting upon a cellulose compound containing free and esterifiable hydroxyl groups with a reaction mixture containing unsaturated acyls of more than 10 carbon atoms in an atmosphere free of uncombined oxygen and subsequently drying the ester under non-oxidizing conditions.

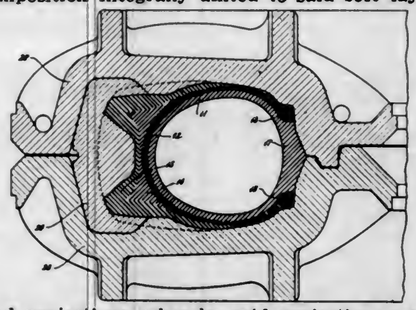
2,241,227

TIRE

Edgar F. Wait, Detroit, Mich., and James E. Hale, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application December 17, 1936, Serial No. 116,312
1 Claim. (Cl. 152—209)

A pneumatic tire having a carcass and a tread having very tall traction elements, a layer of soft rubber integrally attached to said carcass and having outwardly extending projections, a tough abrasion-resisting outer tread layer of rubber composition integrally united to said soft layer



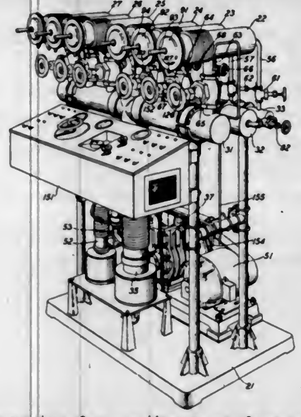
and projections, whereby said projections serve as cores to said traction elements.

2,241,228

COATING MACHINE

Howard W. Weinhart, Elizabeth, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 3, 1939, Serial No. 259,623
9 Claims. (Cl. 91—12.2)



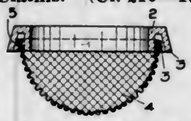
1. Apparatus for coating a surface of an object by thermal evaporation comprising a plurality of evaporation chambers adapted to receive the objects to be coated, a filament in each of said chambers, means for heating said filaments, common means for exhausting the air from all of said chambers, means for changing the air pressure in any of the chambers and means for maintaining the pressure in the other chambers unvaried irrespective of the operation of said pressure changing means.

2,241,229

CULINARY UTENSIL AND METHOD OF MAKING THE SAME

Chester A. Williams, Worcester, Mass., assignor to The Washburn Company, Worcester, Mass., a corporation of Massachusetts

Application May 31, 1939, Serial No. 276,550
10 Claims. (Cl. 210—161)



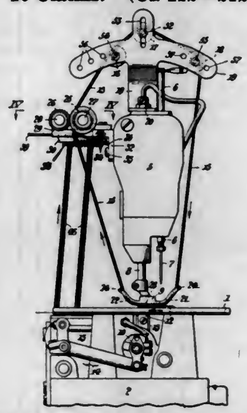
1. An article of the class described, comprising a metallic bowl, and a handle providing a non-metallic ring for receiving the rim of said bowl, and united thereto by the compression of said ring.

2,241,230

SEWING MACHINE

Arthur L. Wilmoth, San Francisco, Calif., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application July 7, 1937, Serial No. 152,381
10 Claims. (Cl. 112—212)



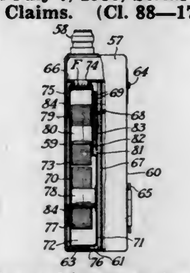
1. A sewing machine comprising a work support; a needle operated from above the work support; feeding means for engaging the fabric from beneath and intermittently advancing it on the work support relative to the needle; a presser foot operative to hold the material down on the work support; and auxiliary feeding means including an endless belt which runs under the presser foot and engages the material from above, a pair of opposing nip rolls respectively engaging the belt from opposite sides, a rotary shaft, and a slip belt of coiled spring wire connecting a circumferentially-grooved pulley on the drive shaft with a similar pulley on the shaft of one of the nip rolls.

2,241,231

FRICTION DRIVE FOR PHOTOGRAPHIC APPARATUS OF THE MAGAZINE TYPE

Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application July 7, 1938, Serial No. 217,942
2 Claims. (Cl. 88—17)



2. In a photographic apparatus provided with a magazine chamber, the combination with an objective assembly mounted on said apparatus and having an optical axis, and a driving member mounted on said apparatus for rotation about an

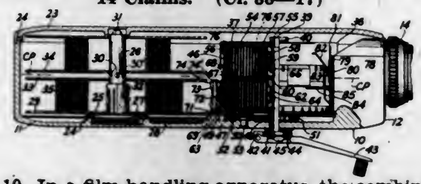
axis in a plane perpendicular to said optical axis, of a pair of flexible resilient disks mounted in spaced relation on the end of said driving member within said magazine chamber to one side thereof, rotating in planes parallel to said optical axis, and adapted to receive into frictional engagement between said pair of disks a single film driving disk which is on a film magazine and which is moved into such engagement by insertion of a film magazine into said magazine chamber.

2,241,232

FILM HANDLING APPARATUS

Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application December 13, 1939, Serial No. 308,972
14 Claims. (Cl. 88—17)



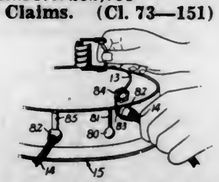
10. In a film handling apparatus, the combination with a shaft, a drum rotatably mounted on said shaft, and teeth on said drum arranged in two rows which are axially displaced for engagement respectively with film portions in edge to edge relationship, of a pair of spring motor members coaxially arranged within said drum and connected between said shaft and said drum.

2,241,233

RECORDING OR INDICATING INSTRUMENT

Claude D. Young, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts

Original application April 21, 1938, Serial No. 203,302. Divided and this application January 25, 1939, Serial No. 252,753
6 Claims. (Cl. 73—151)



5. In an instrument of the character described, in combination, an instrument casing, a measuring element releasably secured in the casing, a capillary tube connected with said element and passing thence through the casing to a point exterior thereof, a protector tube covering portions of said capillary tube outside the casing, said casing having a large area opening through which said element may be inserted and removed from the casing, a smaller area opening, and a slot connecting said two openings to provide a passage through which the capillary tube is moved with the measuring element as the latter is inserted into or removed from the casing, and an anchoring device at one end of said protector tube having a portion of greater diameter than the width of said slot and releasably engaging with said smaller opening to secure said protector tube to the casing and to permit its ready attachment and removal along with insertion and removal of the measuring element and the capillary tube.

2,241,234

POLYVINYL ACETAL RESIN

Gustave Bryant Bachman, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application March 15, 1939, Serial No. 262,057. In Great Britain March 22, 1938
6 Claims. (Cl. 260—73)

1. A process for preparing a polyvinyl acetal resin containing a hydroxyl group content equivalent to not more than about 15% by weight of polyvinyl alcohol and an acetate group content equivalent to not more than about 5% by weight of polyvinyl acetate comprising reacting, in the presence of a hydrochloric acid acetal condensation catalyst, a polyvinyl compound selected from the group consisting of polyvinyl alcohols and partially deacetylated polyvinyl acetates with a plurality of aldehydes, from about 30 to about 60 mol. per cent of said aldehydes being acetaldehyde, from about 9 to about 15 mol. percent of said aldehydes being at least one saturated aliphatic aldehyde containing from three to seven carbon atoms and the remainder of said aldehydes being at least one benzaldehyde.

2,241,235

SULPHOCARBOXYLIC ACID ESTERS OF CELLULOSE

Gustave B. Bachman, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 15, 1939, Serial No. 290,229
5 Claims. (Cl. 260—224)

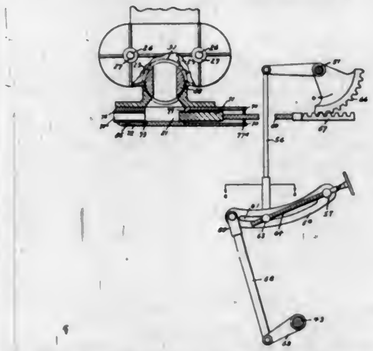
1. A cellulose compound containing sulphobenzoyl groups.

2,241,236

CONFECTIONERY EXTRUDING MACHINE

John T. Berry, Philadelphia, Pa., assignor of one-third to Daniel J. Mullen and one-third to Earl F. Heist, both of Philadelphia, Pa.

Application November 22, 1939, Serial No. 305,609
10 Claims. (Cl. 107—14)



1. A confection extruding machine comprising a supply chamber for material to be formed, a displacement chamber, a valve between said chambers, an extrusion die communicating at all times with said displacement chamber and open at all times at its ejection end, a plunger for extension into the mass of material in said displacement chamber for forcing material through said die, said displacement chamber being substantially larger than the plunger in cross-sectional area and a housing for said plunger comprising means adjacent the displacement chamber for cleansing said plunger and a chamber providing a space around same.

2,241,237

PROCESS FOR THE PREPARATION OF PSEUDO-CYANINE DYES

Leslie G. S. Brooker, Rochester, N. Y., assignor, by mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Original application January 16, 1933, Serial No. 651,870. Divided and this application March 3, 1936, Serial No. 66,860
11 Claims. (Cl. 260—240)

1. In a process for preparing a pseudocyanine dye wherein one molecular proportion of a cyclammonium quaternary salt containing a reactive alkyl group in the alpha position is condensed with one molecular proportion of a cyclammonium alkyl quaternary salt selected from the group consisting of 2-halogeno pyridinium alkyl quaternary salts and 2-halogeno quinolinium alkyl quaternary salts and the elements of acid are eliminated from the condensing cyclammonium alkyl quaternary salts, the step which comprises employing a tertiary organic base having a dissociation constant substantially greater than that of pyridine, in quantity sufficient to bind the elements of acid eliminated.

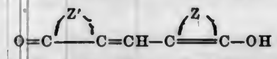
2,241,238

SENSITIZING METHINE DYES AND PROCESS FOR PREPARING THEM

Leslie G. S. Brooker and Grafton H. Keyes, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application April 29, 1939, Serial No. 270,916
17 Claims. (Cl. 260—240)

1. A dye selected from the group consisting of dyes characterized by the following formula:



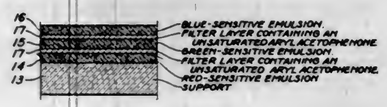
wherein Z and Z' each represent the non-metallic atoms necessary to complete a five-membered organic heterocyclic nucleus containing a nuclear nitrogen atom and a nuclear thiocarbonyl group, and the salts of said dyes.

2,241,239

ULTRAVIOLET LIGHT FILTER

Burt H. Carroll and Cyril J. Staud, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 19, 1940, Serial No. 314,667
In Great Britain January 23, 1939
10 Claims. (Cl. 95—2)



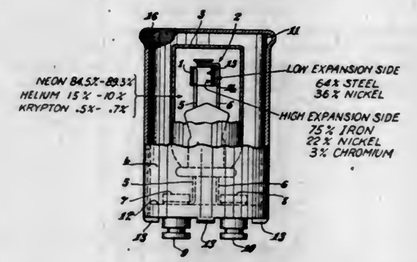
1. A film affected by ultraviolet light having thereon a layer of a colloidal material containing an unsaturated aryl acetophenone containing a chain having a conjugated system of double bonds, one of the terminal atoms of the chain being the oxygen atom of the acetophenone, uniformly dispersed therein.

2,241,240

STARTING SWITCH FOR GASEOUS DISCHARGE DEVICES

Charles Chireistein, Newark, N. J.

Application August 17, 1940, Serial No. 352,986
7 Claims. (Cl. 250—27.5)



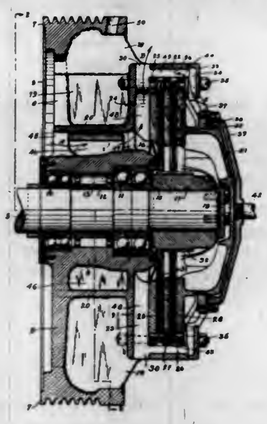
1. A starting switch for gaseous discharge devices, comprising a sealed envelope, relatively movable switch contacts sealed in said envelope and comprising unlike metals, a filling of a mixture of rare gases sealed in said envelope and including from about 84 to 89% neon, about 15 to 10% helium and about .5 to .7% krypton.

2,241,241

AIR COOLED CLUTCH

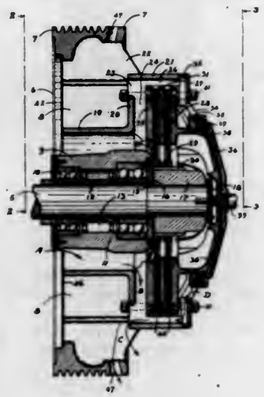
William L. Clouse, deceased, late of Tiffin, Ohio, by the Commercial National Bank, executor, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio, a corporation of Ohio

Application November 18, 1938, Serial No. 241,224
13 Claims. (Cl. 192—113)



8. In combination, a shaft, a wheel rotatably mounted on said shaft, a radially disposed thrust wall carried by said wheel, interengaging friction clutch discs keyed to said wheel and said shaft including a disc keyed to said wheel adjacent said thrust wall, a plurality of radially disposed ribs between said thrust wall and the adjacent disc, the spaces between said ribs being open to atmosphere adjacent their inner and outer ends, said spaces being closed from the inner edges of said clutch disc.

2,241,242
AIR COOLED CLUTCH
John H. Friedman, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio, a corporation of Ohio
Application December 5, 1938, Serial No. 243,940
12 Claims. (Cl. 192—113)



2. In combination, a driven shaft, a wheel having a hub portion bearing on said shaft, interengaging friction clutch elements carried by said wheel and said shaft, said wheel having separated compartments open to atmosphere adjacent the periphery of said wheel and closed to atmosphere at their radially inner portions, whereby rotation of said wheel tends to reduce the pressure in said compartments, and means defining air passages adjacent said clutch elements opening into said compartments and opening to atmosphere.

2,241,243
LUBRICATING OIL
Robert E. Conary and Harry V. Ashburn, Beacon, and Paul S. Stutsman, Fishkill, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application March 25, 1939, Serial No. 264,118
12 Claims. (Cl. 252—53)

1. A lubricating oil comprising a mineral lubricating oil containing 0.01–2.0% by weight of a phosphite ester of an alkyl ether of an alkylene glycol of the formula



where X_1 is an alkyl-alkylene oxide group of the type

$$R_3(OR_4)_{n1}(OR_5)_{n2}$$

where R_3 is an alkyl radical selected from the group consisting of methyl, ethyl, propyl, butyl, amyl, hexyl, heptyl and octyl, where R_4 and R_5 are alkylene radicals (C_nH_{2n}) selected from the group consisting of ethylene and propylene, where n_1 is 0 or 1, and where n_2 is 1 or 2, and where X_2 and X_3 represent substances selected from the group consisting of hydrogen and alkyl-alkylene oxide radicals of the type of X_1 above.

2,241,244
ORGANIC PHOSPHITE COMPOUND AND METHOD OF MANUFACTURING SAME
Robert E. Conary and Harry V. Ashburn, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application March 25, 1939, Serial No. 264.119
14 Claims. (Cl. 260—461)

1. As a new compound, a phosphite ester of an alkyl ether of an alkylene glycol having the formula

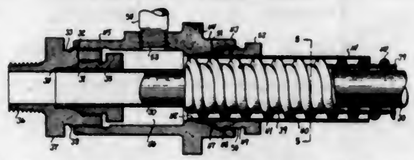


where X_1 is an alkyl-alkylene oxide group of the type

$$R_1(OR_2)_{n1}(OR_3)_{n2}$$

where R_1 is an alkyl radical containing from one to eight carbon atoms, where R_2 and R_3 represent alkylene radicals (C_nH_{2n}) selected from the group consisting of ethylene and propylene, where $n1$ is zero to 5, $n2$ is one to five, and where X_2 and X_3 represent a chemical constituent selected from the class consisting of hydrogen and an alkyl-alkylene oxide group of the type set forth for X_1 above.

2,241,245
COMPOSITE FLUID-CONDUCTING TUBE
Harold C. Daniels, Woodbury, Conn., assignor to Chase Brass & Copper Co., Incorporated, Waterbury, Conn., a corporation
Application March 3, 1939, Serial No. 259,570
3 Claims. (Cl. 138—57)



1. A composite fluid-conducting tube-structure, including in combination: an imperforate wrought-metal body-tube having substantially-smooth interior and exterior surfaces; a wrought-metal guard-tube substantially concentrically arranged with respect to the said body-tube and surrounding the same; and a vibration-dampening ribbon or tape of reinforcing metal having its convolutions mutually interlocked and helically extending around the exterior of the said body-tube and located within the interior of the said guard-tube, and having a natural period of vibration differing from the natural period of vibration of both the said body-tube and the said guard-tube.

2,241,246
TREATING CELLULOSE DERIVATIVE MATERIALS
Joseph B. Dickey and James B. Normington, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 8, 1939, Serial No. 278.141
9 Claims. (Cl. 28—1)

1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning and the like which comprises applying thereto a lubricating and softening composition containing as its essential

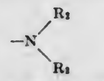
lubricating and softening component an ester selected from the group consisting of the nitroalkane and nitroalkene esters of mono- and polycarboxylic, aliphatic, aromatic and heterocyclic acids.

2,241,247
AZO COMPOUNDS AND MATERIAL COLORED THEREWITH
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 30, 1940, Serial No. 332,581
17 Claims. (Cl. 260—206)

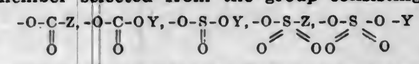
1. The azo dye compounds having the general formula:

$$R—N=N—R_1$$

wherein R represents the residue of an aromatic nucleus and R_1 represents the residue of a benzene nucleus having but one benzene ring containing a

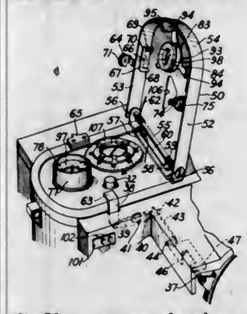


group, wherein R_2 and R_3 each represents a member selected from the group consisting of an aliphatic group, a cycloalkyl group, a phenyl group and a furyl group and wherein R_3 may be in addition hydrogen, attached thereto in para position to the azo bond shown and a member selected from the group consisting of



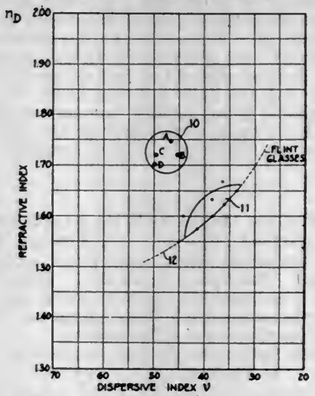
and an acid ester of an acid of phosphorus group, wherein Y and Z each represents a member selected from the group consisting of hydrogen, an aliphatic group, a cycloalkyl group, a phenyl group and a furyl group and wherein Y may be in addition an alkali-forming metal, attached thereto in ortho or meta position to the azo bond shown.

2,241,248
PHOTOGRAPHIC CAMERA
Henry O. Drotning, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 15, 1939, Serial No. 295,076
10 Claims. (Cl. 95—31)



1. In a roll film camera having a body portion, the combination with separate shutter and film releasing triggers mounted on and protruding from said body portion adjacent one end thereof, of a manually controlled body release pad pivotally mounted on said body portion adjacent said triggers, said pad being movable in one direction to engage said triggers to actuate the triggers in timed relation, and means engaging said pad to move the latter in the opposite direction about its pivot to normally retain said pad out of engagement with both of said triggers.

2,241,249
OPTICAL GLASS
Leon W. Eberlin and Paul F. De Paolis, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 12, 1939, Serial No. 284,041
4 Claims. (Cl. 106—36.1)



1. A glass having an index of refraction for the D line about 1.72 and a dispersive index about 47 and resulting fusion of a batch containing between 15 and 35% of lanthanum oxide, between 5 and 15% thorium oxide, between 28 and 37% boric oxide, between 10 and 20% of oxides from the group consisting of tantalum oxide and tungsten oxide and between 5 and 25% of oxides from the group consisting of barium, calcium, strontium, and magnesium oxides.

2,241,250
SADDLE CONSTRUCTION
Roland W. Faulhaber, Monroeville, Ohio, assignor to The Faulhaber Company, Monroeville, Ohio, a corporation of Ohio
Application October 4, 1937, Serial No. 167,129
Renewed May 23, 1940
2 Claims. (Cl. 155—5.23)

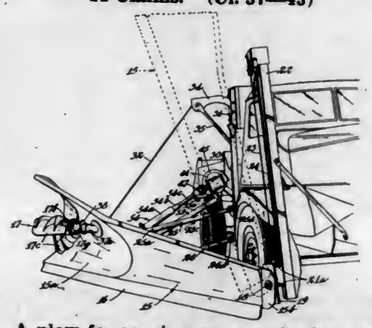


1. A saddle construction comprising a sheet metal base portion shaped to provide a relatively narrow forward saddle part and a rearwardly diverging rear saddle part, a flexible covering for said base portion proportioned to cover said narrow forward part and a part of said rear saddle portion, the rear edge of said covering member secured to the top of the base and the remainder of said covering member arranged to encompass the side walls of the base, means to secure the edges of said remainder to the base comprising an inwardly turned flange along the lower edge of the base to receive the edges of the covering member and a resilient member fitted within said flange and secured to the base in a manner to bind the edges of the covering member within the flange.

2,241,251
PROCESS FOR COLORING PLASTIC MATERIALS
Ernest M. Franklin, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 3, 1937, Serial No. 146,290
1 Claim. (Cl. 106—40)

The method of forming a volatile solvent-free colored thermoplastic molding composition which comprises hot rolling on milling rolls an agglutinized mixture of a volatile solvent-free cellulose organic acid ester with a plasticizer and colored pigment materials to form a color concentrate composition whereby the color particles are broken down into discrete particles, thoroughly mixing a desired amount of this composition in a plasticizer for the base material from which the molded article is made and homogeneously dispersing the colored plasticizer in the base material until a uniformly colored product is obtained.

2,241,252
SNOWPLOW WITH POWER DISCHARGE
Mather Garland, Mound, and Edward Russell Greer, Wayzata, Minn.; said Greer assignor to Imperial Machine Company, Minneapolis, Minn., a corporation of Minnesota; said Garland assignor to Roto Wing Company, Mound, Minn., a corporation of Minnesota
Application December 13, 1939, Serial No. 308,976
11 Claims. (Cl. 37—43)



1. A plow for moving snow and other material from the side of a road having in combination with a propelling vehicle, a mold board mounted outwardly at one side of said vehicle and supported at an angle to the longitudinal center line of said vehicle to cause material to be moved outwardly and longitudinally thereof, said mold board having a funnel-shaped, outwardly flaring rear portion, a discharge rotor mounted in said rear portion, means for driving said rotor, the lower portion and cutting edge of said mold board having a variable pitch within the length thereof, said pitch being relatively steep at the forward portion and being relatively slight in pitch at the rear portion to cause said material to move backwardly and upwardly into said funnel-shaped portion.

2,241,253
METHOD OF TREATING OIL WELLS
Allen D. Garrison, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application June 10, 1938, Serial No. 212,974
11 Claims. (Cl. 166—21)

1. The method of treating an oil well to convert a water wet producing sand to one which is preferentially wettable by oil, which comprises introducing into the said sand an oil miscible solution of a water and oil insoluble material which is preferentially wettable by oil as opposed to water, which material is precipitated upon contact by and dilution with oil in the pore space of the sand to form a strongly adherent film coating upon the sand grains of a character which renders them preferentially wettable by oil.

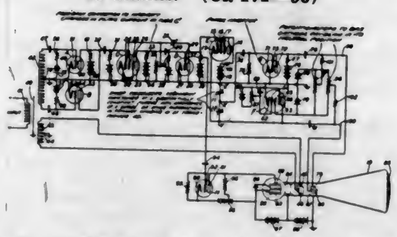
2,241,254
METHOD OF TREATING OIL WELLS
Allen D. Garrison, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application July 6, 1938, Serial No. 217,733
9 Claims. (Cl. 166—21)

1. In the method of treating an oil well to convert a water-wet producing sand to one which is preferentially wettable by oil, the steps which comprise coating the sand grains of the said producing sand adjacent the bore of the well with a film coating which is preferentially wettable by oil without blocking the said sand, and then dehydrating the coated sand to substantially completely remove water from the pore space of the treated sand adjacent the well bore.

2,241,255
OIL BASE DRILLING FLUID
Allen D. Garrison, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application August 17, 1939, Serial No. 290,632
16 Claims. (Cl. 255—1)

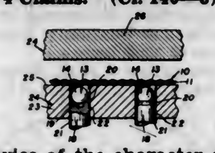
11. An oil base drilling fluid comprising a petroleum hydrocarbon oil and dispersed solid which is insoluble in the petroleum hydrocarbon oil but readily soluble in a solvent selected from the group consisting of aromatic, chlorinated aromatic, nitrated aromatic and chlorinated aliphatic solvents, said drilling fluid having the property of forming during drilling operations a filter cake on a well bore which is substantially impermeable to the outward flow of oil of the drilling fluid from the well bore into the surrounding formation, the said filter cake being rendered readily permeable to the inward flow of oil from the formation into the well bore by treatment with said solvent.

2,241,256
CIRCUIT FOR CATHODE RAY TUBES
King E. Gould, Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1937, Serial No. 182,673
13 Claims. (Cl. 171—95)



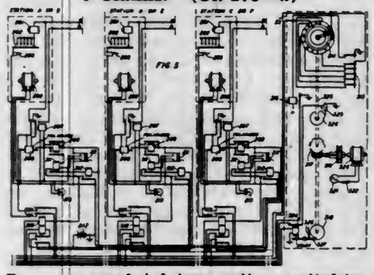
9. In combination, a condenser, a circuit in parallel with said condenser for providing a continuous discharge path therefor, means for charging said condenser, means for blocking said charging means to allow said condenser to discharge through said parallel circuit, and means including an electron discharge device for inverting the phase of a portion only of the difference in potential across said condenser.

2,241,257
SCREEN REPAIR DEVICE
Clarence Gronberg, Elgin, Ill., assignor to Arnold B. Carlson, Aurora, Ill.
Application October 16, 1939, Serial No. 299,645
4 Claims. (Cl. 140—3)



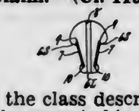
1. In a device of the character described, the combination with a wire screen strip, of spaced ductile pellet fastener means partially imbedded in said screen strip proximate to the edge and intermediate the ends thereof for engagement with a similar confronting wire screen.

2,241,258
TELETYPEWRITER SWITCHING SYSTEM
Leland A. Gardner, Maplewood, N. J., and Fred J. Singer, Rockville Centre, and Edward F. Watson, Larchmont, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 15, 1938, Serial No. 229,984
9 Claims. (Cl. 178—2)



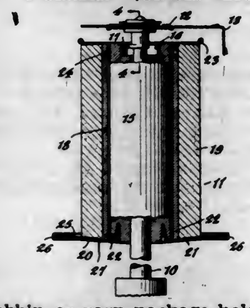
1. In a manual teletypewriter switching system, a telegraph line and station circuit, a teletypewriter motor, a remote control device for starting said motor, a called station identifying device, and a call metering device all in said circuit and means whereby said devices are made responsive automatically to the connection of said circuit through a cord circuit to another line and station circuit.

2,241,259
BIRD PERCH
John E. Hanson, St. Paul, Minn.
Application October 31, 1938, Serial No. 237,844
1 Claim. (Cl. 119—26)



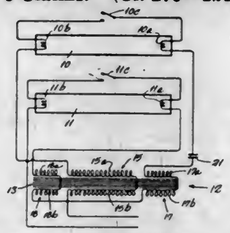
In a perch of the class described, an elongated bar arranged to be mounted in a horizontal plane, the upper part of said bar being of semi-circular form throughout its entire length, said bar being recessed inwardly at its diametrically opposite sides, thence formed with two opposite faces tapering downwardly, a strip of abrasive material removably retained on each said face and said strips being adapted to be slidably inserted and retained each in a pair of grooves in the bar with its abrasive area exposed outwardly.

2,241,260
BOBBIN OR YARN PACKAGE HOLDER
Harvey E. Herr, Buffalo, N. Y., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y., a corporation of New York
Application January 20, 1939, Serial No. 251,984
5 Claims. (Cl. 242—130)



1. A bobbin or yarn package holder, comprising a barrel having a head-plate fixed at one end thereof, said head-plate having an inwardly-facing annular groove at its outer edge and being substantially of conical shape, and a flat resilient metallic diaphragm-like member freely supported at its periphery in said plate groove for bearing engagement with the opposing end of the package.

2,241,261
TRANSFORMER
George B. Horn, Fairfield, Conn., assignor to Wheeler Insulated Wire Company, Bridgeport, Conn., a corporation of Connecticut
Application May 29, 1940, Serial No. 337,873
8 Claims. (Cl. 176—124)



1. A transformer for operating a plurality of separately operable fluorescent tube lights comprising an elongate core; a primary coil positioned on said core intermediate the ends thereof; and a pair of secondary coils positioned on the core, one at each end thereof, each of said secondaries being connected to the primary to form an autotransformer and having means whereby each secondary is connected to one of the fluorescent tube lights, the spacing between the secondaries being sufficient to prevent leakage flux of one secondary from acting on the other secondary to affect the operation of the tube connected thereto.

2,241,262
ELECTRICAL CONTACT
Christian William Keitel, East Orange, N. J., assignor to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey
Application October 26, 1939, Serial No. 301,314
7 Claims. (Cl. 200—166)



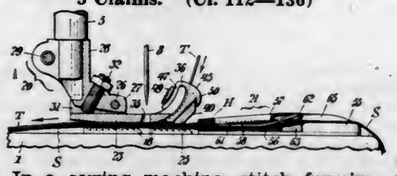
1. An electrical contact element formed of a metal taken from the group comprising silver and palladium, combined with at least one metal taken from the group comprising ruthenium, rhodium, iridium and osmium.

2,241,263
CHARACTER PLATE FOR PHOTOGRAPHIC LETTERING MACHINES
Alexander T. Koppe, Chicago, Ill., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware
Original application August 14, 1936, Serial No. 96,105. Divided and this application December 16, 1939, Serial No. 309,678
4 Claims. (Cl. 95—85)



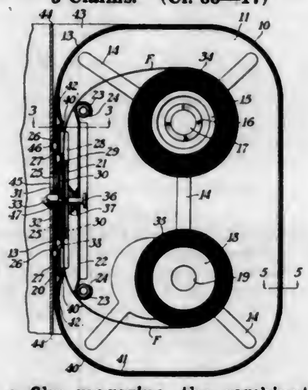
4. An alphabet and character plate for a photographic lettering machine, comprising a substantially flat four-sided, glass plate having translucent characters thereon, a frame, U-shaped in cross section surrounding and enclosing all four sides of the plate, said U-shaped frame providing bearing surfaces against which clamping devices may engage, the frame further being provided on the outside thereof with positioning blocks of micrometer accuracy, for use in accurately positioning the plate in the holder of the lettering machine.

2,241,264
SEWING MACHINE
Frank A. Kucera, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application March 28, 1938, Serial No. 198,343
5 Claims. (Cl. 112—136)



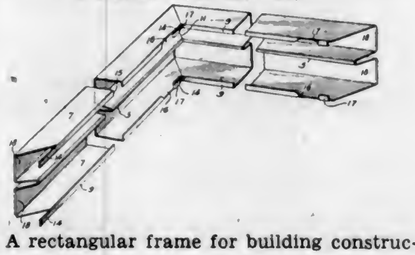
1. In a sewing machine, stitch forming and feeding instrumentalities; a controller for manipulating the curled edge of knitted stocking fabric or the like, in the form of a tapering half-turn scroll having a flat inturned portion intermediate its top and bottom walls and a tongue in continuation of said flat portions extending in advance of the scroll in the direction of feeding, said tongue having a rounded edge which laterally under-reaches the curl of the fabric as the fabric edge is advanced through the attenuating passage within the scroll to open up the curl without reversing it and to assist in converting said curl into a narrow flat hem of uniform width; and a tensioning guide which delivers elastic tape under definite tension in marginally overlapping relation upon the flat hem of the fabric as said hem emerges from the controller, for presentation of the overlap area of the fabric and the strip to the stitch forming instrumentalities of the machine.

2,241,265
PHOTOGRAPHIC FILM MAGAZINE
Aloysius E. Lechleitner, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 4, 1939, Serial No. 302,909
5 Claims. (Cl. 88—17)



1. In a film magazine, the combination with a casing having a lateral wall provided with an exposure aperture, and a film gate adjacent said lateral wall and including a film guide movable toward and away from said wall and for guiding a film past said exposure aperture in parallel relation to said lateral wall, of a resilient member encircling said casing adjacent said lateral wall, having film engaging portions for engaging only the margins of a film to prevent abrasion of the central area thereof and engaging said film guide to urge the same toward said lateral wall.

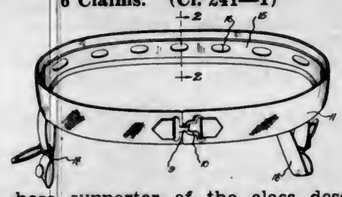
2,241,266
METAL FRAME FOR BUILDING CONSTRUCTION UNITS
Lyle K. Mayne and Alexander Callander, Linden, N. J., assignors to American Cyanamid & Chemical Corporation, New York, N. Y., a corporation of Delaware
Application July 15, 1939, Serial No. 284,626
5 Claims. (Cl. 189—36)



1. A rectangular frame for building construc-

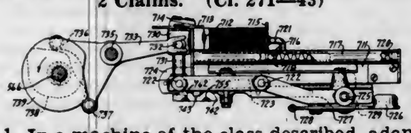
tion units including a metal shape having a web, a flange at each side edge of the web, each flange having a side edge terminal portion at an angle to the flange, the terminal portion on one side of the frame being interlocked with a like terminal portion on an adjacent side of the frame the second terminal portion being partially embraced by the first terminal portion.

2,241,267
HOSE SUPPORTER
Thomas E. Near and Ethel Sherlock, Detroit, Mich.
Application August 21, 1939, Serial No. 291,194
6 Claims. (Cl. 241—1)



6. A hose supporter of the class described, comprising: a leg encircling band of elastic webbing; an outer layer of crepe rubber mounted on and covering the inner surface of said band; an intermediate layer of crepe rubber mounted on the inner surface of said outer layer; an inner layer of crepe rubber mounted on the inner surface of said intermediate layer; and elastic cords positioned between some of said layers and extending substantially parallel to the edges thereof.

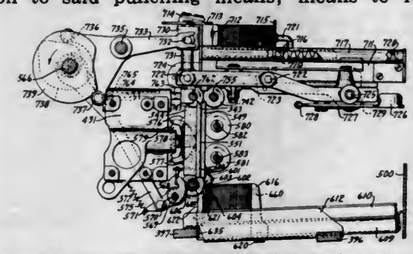
2,241,268
REMOVABLE CARD TRAY AND PICKER MECHANISM
Gunnar Nelson, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application April 16, 1937, Serial No. 137,223. Divided and this application April 19, 1940, Serial No. 330,569
2 Claims. (Cl. 271—43)



1. In a machine of the class described, adapted to issue punched record cards, the combination of a supply magazine for the cards, said magazine movable from card feeding position to a more accessible position for inserting new record cards and also removable from the machine; a card picker device to remove the cards from the magazine one at a time, said device mounted on the magazine and removable therewith; a spring pressure means to advance cards into position to be engaged by the picker device; and driving means to operate the picker device, said means engageable by said picker device when the magazine is moved to feeding position.

2,241,269
INTERLOCKING MECHANISM
Gunnar Nelson, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application April 16, 1937, Serial No. 137,223. Divided and this application May 3, 1940, Serial No. 333,175
13 Claims. (Cl. 164—113)

1. In an electrically-operated combined cash register and card-punching machine, adapted to issue punched record cards, the combination of means to release the machine for operation; a switch operated by the releasing means whenever the machine is to be set in motion; means to punch records in the card; a throat in the punching means to position the cards in relation to said punching means; means to feed



the cards into the throat; a feeler device adapted to feel the throat for the presence of a card; means whereby the feeler device obstructs operation of the switch when no card is in the throat; and a manipulative device to return the feeler and the obstructing means to ineffective positions to enable the switch to close and the machine to be operable even though no card is in the throat.

2,241,270
PROCESS FOR WORKING IRON CARBON ALLOYS
Heinrich Nipper, Aachen, Germany, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio; Gunite Foundries Corporation, Rockford, Ill., a corporation of Illinois, and Stelium, Inc., Cleveland, Ohio, a corporation of Ohio
Original application November 8, 1933, Serial No. 697,138. Divided and this application August 6, 1938, Serial No. 223,465. In Germany November 8, 1932
4 Claims. (Cl. 29—148)

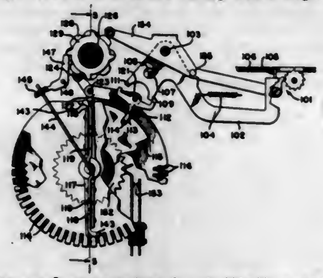


1. Improvements in the process for working gray cast iron containing more than 1.5% carbon, comprising heating the alloy to 950° to 1150° C. and above, and hot rolling the said alloy in this state.

2,241,271
TELEGRAPH TRANSMITTER
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application September 26, 1936, Serial No. 102,771
Renewed October 18, 1939
21 Claims. (Cl. 178—17)

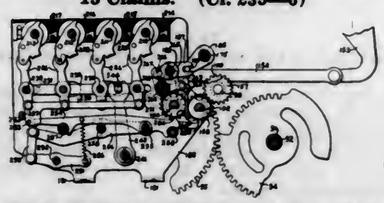
1. A telegraph transmitter comprising a rotary member, a plurality of actuators for conditioning said member, a line switch actuable in accordance with the angular rotation of said rotary member, a stop means associated with said rotary member and controlled by said actuators for determining the angular rotation thereof, said plurality of actuators individually conditioned to block said stop means, a set of selecting discs for conditioning said plurality of actuators, a tape

sensing mechanism for positioning said discs in accordance with the control markings of a tape including means for advancing said tape inter-



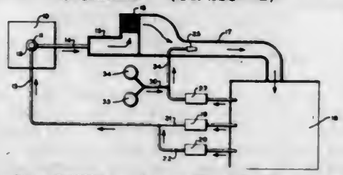
mittently, and apparatus for initiating said tape advancing means under the control of said rotary member.

2,241,272
CASH REGISTER
William H. Robertson and John P. Frank, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application June 22, 1938, Serial No. 215,131
15 Claims. (Cl. 235—6)



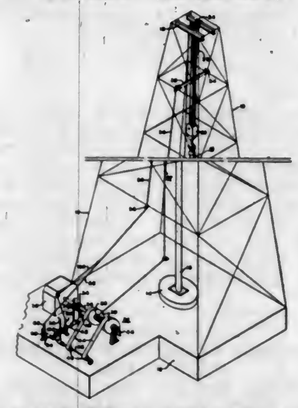
1. In a machine of the class described, the combination of a plurality of counters; actuating means for said counters; manipulative means; a plurality of rotatable elements; means operable to be differentially positioned under control of said manipulative means and to rotate said elements; mechanism controlled by said elements to control the effectiveness of said actuating means to select various ones of said counters for actuation; and means operable to shift one of said rotatable elements laterally to effect a different cooperation between said disks and mechanism and a different selection of said counters for actuation.

2,241,273
METHOD OF AND APPARATUS FOR TREATMENT OF DRILLING MUD
William W. Robinson and Robert R. Crippen, Long Beach, Calif., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application July 1, 1939, Serial No. 282,390
6 Claims. (Cl. 255—1)



1. In the drilling of a well with the circulation of a drilling mud, the method of conditioning the drilling mud with carbon dioxide which comprises circulating the drilling mud through a confined passage under pressure, subliming and gasifying at least two confined portions of carbon dioxide ice, and alternately injecting carbon dioxide gas from first one and then another of said portions into said circulating mud stream within said confined passage when the pressure of gas formed from each of said confined portions substantially exceeds the pressure of the mud stream passing through said confined passage.

2,241,274
SAFETY DEVICE
George A. Severson, Tulsa, Okla., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application September 27, 1938, Serial No. 231,871
2 Claims. (Cl. 254—173)



1. In a well drilling apparatus, a derrick, a draw-works having a winch, an engine, a driving connection between said engine and said draw-works, a clutch in said connection, a pulley suspended in said derrick, a cable connecting said winch and pulley so that as said draw-works is operated the pulley will be raised or lowered in the derrick, means for braking said draw-works, means for automatically disconnecting said engine from and applying said braking means to said draw-works in an emergency, comprising manual operating mechanisms for said clutch and said braking means, resilient means connected to said operating mechanisms so as to bias said mechanisms toward clutch-disengaging and brake-applying positions, trip means for normally holding said resilient means in inoperative position and means for actuating said trip means to render said resilient means operative comprising an arm pivotally mounted in the path of upward movement of said pulley and means connecting said arm with said trip means.

2,241,275
HOISTING APPARATUS
Edward Shinn, North Arlington, and Edward Shinn, Jr., West Orange, N. J.
Application March 13, 1940, Serial No. 323,646
8 Claims. (Cl. 187—11)

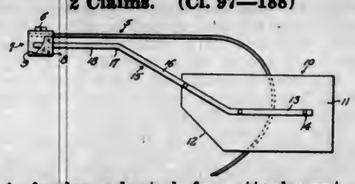
1. A portable hoisting apparatus comprising a portable base, a rectangular shaped frame on said base, an elevator tower of U-shaped cross section pivoted intermediate its ends to the top of and at one end of said frame and mounted to telescope over and lie against the top of said frame when in a collapsed position, a hoisting

engine near the other end of said frame from the pivoted mounting of said tower, a roof member for said hoisting engine pivotally mounted to said frame and movable toward a horizontal position away from said frame when said tower



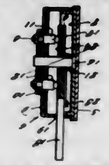
is in upright position but foldable against said frame when said tower is in collapsed non-operating position so that said tower, frame and roofing member occupy substantially the same space when in telescope position.

2,241,276
TOOTH FENDER FOR HARROWS AND CULTIVATORS
Garland Smith, Bassfield, Miss., assignor of one-half to Lacy Lott, Purvis, Miss., and one-half to Wilmer J. Morris, Hattiesburg, Miss.
Application October 19, 1938, Serial No. 235,895
2 Claims. (Cl. 97—188)



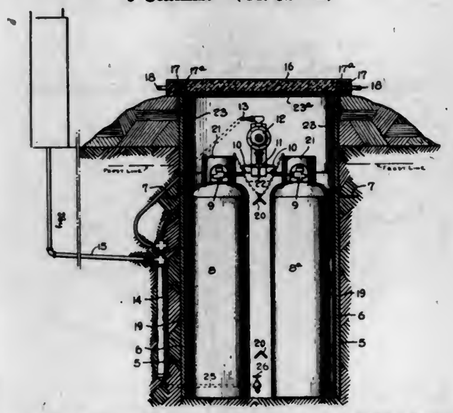
1. A fender adapted for attachment to the horizontal shank of a cultivator tooth, said fender comprising a cuff consisting of a substantially U-shaped member having its bight portion secured to said shank and having its legs extending in vertical positions, said legs being formed with transversely aligned holes, a lateral extension on one of said legs, said extension comprising a vertical wall and a connecting portion connecting said vertical wall in laterally spaced relation to said one leg, a fender comprising a normally horizontal fender bar having a laterally directed pintle on one end extending through and journalled in said holes in the legs, with said fender bar resting on said connecting portion and retained between the said one leg and said vertical wall, said vertical wall being discontinuous at a point substantially in alignment with said holes to permit said fender bar to be moved laterally beyond said vertical wall to effect withdrawal of said pintle from the said holes while said fender bar is elevated sufficiently to clear said vertical wall.

2,241,277
HAND BRAKE SIGNAL
William J. Snover, Spencer, Ind., assignor of one-half to Leason Taylor, Spencer, Ind.
Application November 7, 1939, Serial No. 303,305
1 Claim. (Cl. 200—59)



A hand brake signal comprising a bracket, a housing including a stationary section mounted on said bracket, a shaft including a head on one end countersunk in the stationary section, said head abutting the bracket and being retained thereby in the stationary section of the housing, said housing further including a removable substantially cup-shaped section adapted to be slipped on the stationary section and on the other end portion of the shaft, said removable section having a circumferential slot therein, a rotor of insulating material journaled on the shaft in the housing, an actuating arm projecting radially from said rotor and operable in the slot, a segmental contact mounted on the rotor, a disc of insulating material mounted on the exterior of the removable housing section and slidable on said other end portion of the shaft, and brushes mounted on said disc and extending therefrom into the housing through the removable section and engageable with the contact on the rotor.

2,241,278
STORAGE AND DISPENSING SYSTEM FOR LIQUEFIED HYDROCARBONS
Wilmer Bennett Spivey, Lake City, S. C.
Application April 12, 1940, Serial No. 329,395
9 Claims. (Cl. 62—1)

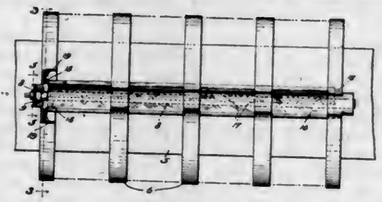


1. In a liquefied gas system, a portable bottle containing liquefied butane, a casing about said bottle and in spaced relation thereto relative to the majority of the area of said bottle, said casing being substantially buried in the earth, said casing being provided with an opening adjacent the ground line of the earth to provide access to said bottle, a distributing line leading from said bottle to the exterior of said casing, a reducing valve in said line, and means for readily removably connecting said bottle to said line, whereby the bottle may be periodically removed for inspection, replacement or refilling, and the danger of leakage of liquid through weakened portions due to corrosion is minimized.

2,241,279
EMERGENCY AIRPLANE LANDING DEVICE
Charles J. D. Strohecker, Zellenople, Pa.
Application April 1, 1939, Serial No. 265,571
3 Claims. (Cl. 244—139)

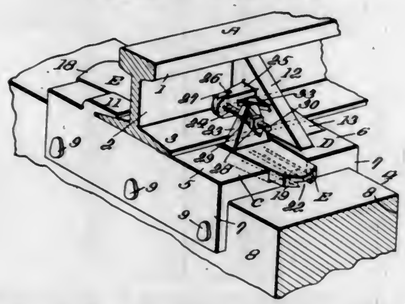
1. A safety landing device for aircraft, comprising a frame mounted on the fuselage of an aircraft and spaced therefrom, said frame embodying a plurality of pairs of spaced ribs, each end pair having flanges, the pairs of ribs being spaced longitudinally of the fuselage, a roll extending longitudinally of the frame, bear-

ings formed at the ends of the frame and in which the roll is mounted, a flexible sheet wound on said roll, contractile springs disposed between the pair of flanges at one end of the frame and being secured to the free ends of said flexible sheet, said springs being placed under tension when the flexible sheet is wound on the



roll, means for normally holding the flexible sheet in a rolled condition and operable by the pilot to release the flexible sheet, means for holding the flexible sheet extended, and the free ends of said flexible sheet adapted to move laterally over the sides of the aircraft with which the device is used.

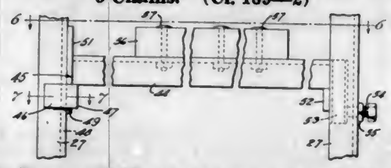
2,241,280
RAIL FASTENER
Fred L. Swartz, Toledo, Ohio
Application July 3, 1940, Serial No. 343,855
9 Claims. (Cl. 238—291)



1. In combination with a track rail and tie, a pair of plates resting upon the upper face of said tie and having side portions paralleling the side walls of the tie, a wedge member engaging and slidable over means on said plates cooperating with said wedge member for moving the side portions of the plates into clamping engagement with the side walls of the tie, means on the upper faces of said plates engaging and securing the base of the rail to the plates, and spikes or the like passing through the side portions of the plates into the side walls of the tie and locking the plates against movement on or from said tie.

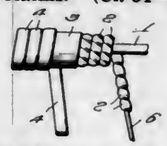
2. In combination with a track rail and tie, a pair of plates provided with means engaging and securing the rail to the plates, each plate provided with side portions adapted to abut the side wall of the tie, each of said plates provided with a channelway, said channelways extending in a direction transverse the rail and diverging from one another, a wedge member having means fitting and slidable in said channelways for moving the plates transverse the tie and clamping the side portions of the plate against the side walls of the tie, and spikes or the like substantially horizontally disposed and passing through the side portions of the plates into the side walls of the tie.

2,241,281
PORTABLE BLEACHER
Donald E. Vance and Harold C. Vance, Champaign, Ill.
Application September 3, 1938, Serial No. 228,423
5 Claims. (Cl. 189—2)



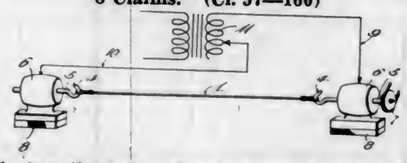
1. In a portable stand structure of that type including parallel spaced sets of spaced parallel uprights carrying seat board supports, the combination of sets of horizontally disposed spaced yokes integral with and extending rearwardly from each of the said uprights other than the rearmost uprights, a support secured to the forward face of each of the said uprights other than the foremost uprights, foot board supporting members arranged between the uprights of each set and removably mounted on said yokes and supports, said members having vertically extending means at their forward ends bearing against the rear faces of the uprights other than the rearmost uprights and extending downwardly through said yokes, said members having vertically extending means at their rear ends arranged in the uprights having connected thereto said supports and disposed rearwardly of the latter, and forwardly and rearwardly adjustable clamping structures connected to the uprights other than the foremost uprights, correlating with the vertically extending means at the rear ends of said members to provide when adjusted forwardly for detachably clamping said members to the uprights.

2,241,282
MUSICAL STRING
Lewis Edward Wackerle, Chicago, Ill.
Application February 18, 1939, Serial No. 257,256
3 Claims. (Cl. 84—297)



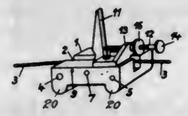
1. A musical string comprising a metallic core, a heat-curing phenolic plastic encasing and connected directly to said core, a metal wrapping wound upon and connected to said plastic and said plastic electrically insulating said metal wrapping from said metal core.

2,241,283
METHOD FOR FORMING MUSICAL STRINGS
Lewis Edward Wackerle, Chicago, Ill.
Application April 20, 1940, Serial No. 330,804
8 Claims. (Cl. 57—160)



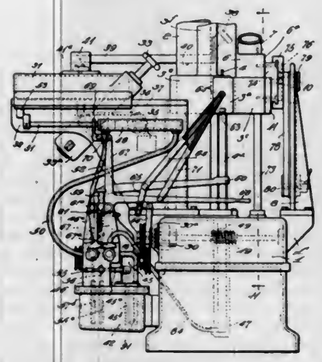
1. A method of producing a musical string consisting of heating a metallic wire by passing electrical current therethrough and applying a coating of a thermo-setting material to said heated wire.

2,241,284
TUNING DEVICE
Gobi Walder, Zurich, Switzerland
Application October 18, 1939, Serial No. 300,080
3 Claims. (Cl. 84—312)



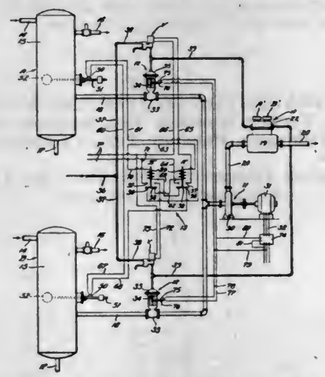
1. A tuning device comprising a body having a slot in which the string to be tuned may lie, two cross bolts carried by said body in said slot and over which the string lies, an eccentric pivotally mounted in said slot at a place intermediate the location of said cross bolts and under which the string lies in cooperative proximity to the eccentric, a lever extending from said eccentric, and a fine adjustment screw mounted on said body and engaging said lever to adjust the position of said eccentric.

2,241,285
COPYING LATHE
Willy Wenzig, Leipzig, Germany
Application March 24, 1937, Serial No. 132,835
In Germany March 31, 1936
3 Claims. (Cl. 142—13)



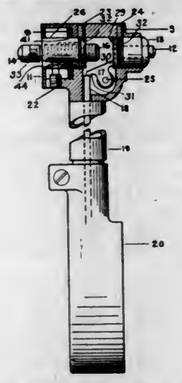
1. A copying lathe for making non-circular forms, particlarly lasts, after a given pattern, comprising a frame, a carriage for the vertical displacement of the work and pattern, means for rotating the work and the pattern, an additional carriage in the frame mounted for horizontal displacement towards and away from said work and pattern, tools on said last named carriage, a profiling roller on said last named carriage for controlling the movement of the carriage toward the work in accordance with the diameter of the pattern and thereby controlling the depth of cut of the tools, means for gradually regulating the speed of rotation of the work and pattern, and means operable by the movement of the second mentioned carriage for actuating said regulating means to vary the speed of rotation of the work and pattern in accordance with the diameter of the pattern.

2,241,286
FLUID METERING APPARATUS
Richard A. Werts, Los Angeles, Calif., assignor of one-fourth to Arthur L. Armentrout, one-fourth to Elwin B. Hall, and one-fourth to Virgil P. Baker, all of Los Angeles, Calif.
Application August 5, 1940, Serial No. 351,449
12 Claims. (Cl. 73—200)



1. Apparatus for metering fluid from a plurality of fluid sources comprising a separate means for each of said sources for controlling the discharge of fluid therefrom, a meter connected to the several sources through a common conduit and operated by the fluid discharged by the several sources, a plurality of register units adapted to be individually operated by the meter, there being a register unit for each of said sources for registering the amount of fluid discharged therefrom, and a control responsive to conditions at the fluid sources operable to open any one of the separate means and to condition any one of the register units for operation by the meter.

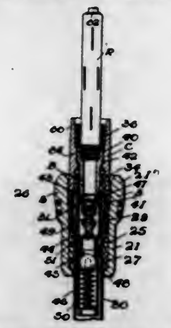
2,241,287
BORE GAUGE
Valorus S. Westcott, Pawtucket, R. I., assignor to Jenckes Knitting Machine Company, Pawtucket, R. I., a corporation of Rhode Island
Application July 25, 1939, Serial No. 286,467
2 Claims. (Cl. 33—178)



1. In a bore measuring device including a dial indicator mechanism actuating plunger, a head provided with grooves and bores, locating studs slidable in said bores, a plate having right angular bars slidably disposed in said grooves, with

each of the locating studs independently spring-pressed against said plate, springs exerting pressure on said plate for holding the latter in engagement with said locating studs against the tension of the forces of the spring-pressed studs, a normally fixed measuring stud carried by said head, a slidable measuring stud axially aligned with said fixed measuring stud, and an operating connection between said slidable measuring stud and said actuating plunger.

2,241,288
APPARATUS FOR COMPLETING WELLS
John R. Yancey, Houston, Tex., assignor to Gray Tool Company, Houston, Tex., a corporation of Texas
Application January 26, 1940, Serial No. 315,834
3 Claims. (Cl. 166—15)



1. In completion apparatus for use on a well which is produced through flow tubing lowered into a casing, a casing head having a bore therethrough including a seat, said casing head having means to support a Christmas tree thereon, a tubing collar having means for connection with the Christmas tree to depend therefrom, said collar having means for rigid attachment with the tubing to support the same from the Christmas tree and in the casing of the well, a back pressure valve in said collar providing for passage of fluid downwardly therethrough but providing against passage of fluid upwardly therethrough, and a tubular bushing in the seat of said casing head and forming a seal therewith, said bushing having a bore therethrough to receive the tubing, and having means in said bore to form a seal with the tubing while permitting the latter to be elevated and lowered therethrough.

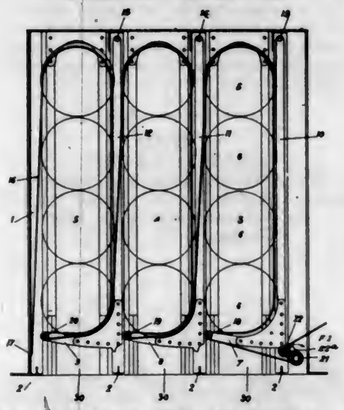
2,241,289
SEAMLESS TUBULAR WOVEN FABRIC
Fritz Blatter, Zofingen, Switzerland, assignor to Fritz Blatter and Max Aeschbach, both of Zofingen, Switzerland, copartners in a joint-stock company, trading under name Jhco Aktiengesellschaft vormals J. Hollenweger & Company, Zofingen, Switzerland, a firm of Canton Aargau
Application July 27, 1939, Serial No. 286,908
In Switzerland October 24, 1938
3 Claims. (Cl. 139—387)

1. A seamless tubular woven fabric comprising longitudinally extending warps interwoven with circumferentially extending wefts formed of a rubber strand which within a certain number of picks included in a certain area less than one half the circumference of the fabric is doubled back upon itself at least twice to increase the length of said rubber strand contained in said area as compared to other areas of the fabric of equal dimensions, whereby the fabric portion



having the doubled-back rubber weft will have greater resistance to circumferential stretch.

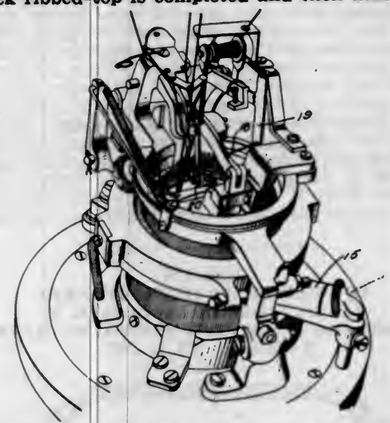
2,241,290
APPARATUS FOR DISCHARGING OBJECTS
Edgar William Brandt, Paris, France, assignor to Sageb, Société Anonyme de Gestion et d'Exploitation de Brevets, Fribourg, Switzerland, a corporation of Switzerland
Application June 22, 1938, Serial No. 215,283
In France June 25, 1937
9 Claims. (Cl. 89—1.5)



1. An apparatus for discharging objects, formed with successive compartments and comprising a fixed frame, doors in said fixed frame for the respective compartments, means to pivotally mount said doors to said fixed frame, the objects to be discharged being stacked in rows and resting on said doors, means to open said doors when the objects are to be discharged, a flexible band member having one end attached to the fixed frame and passing successively about each row of objects, first encircling said objects at the end of the row remote from the door, then passing about a succeeding row, thereby forming loops open near said doors, and the other end of said flexible band being free for pulling engagement whereby a pull on said free end will exert a pressure on the encircled end of the rows to discharge the objects from the compartments.

2,241,291
METHOD FOR KNITTING HOSIERY
Rheubin L. Bunton, Hickory, N. C., assignor to George W. Grove, Hickory, N. C.
Application June 21, 1937, Serial No. 149,539
3 Claims. (Cl. 66—41)

1. The method of knitting an anti-ravel mock ribbed-top stocking on a circular knitting machine which consists in laying the yarn of the first course in the hooks of every fourth needle, feeding the yarn of succeeding courses to the hooks of the second and fourth needles until the mock ribbed-top is completed and then knitting



in succession on all needles to complete the stocking.

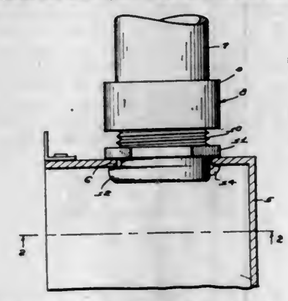
2,241,292
SWIMMING APPLIANCE
Anthony A. Burke, Norfolk, Va.
Application May 13, 1939, Serial No. 273,565
2 Claims. (Cl. 128—132)



1. In a swimming appliance for the purpose referred to an elongated elastic strap adapted for removably attaching to and for encompassing the head of the wearer, said strap having a portion for extending across the lower open ends of the nostrils of and for bearing against the lower end of the nose of the wearer and constituting a carrier, a pair of rearwardly extending, spaced, readily deformable plugs for disposing in the nostrils of the wearer to close them and having their forward ends secured to the inner face of said carrier, said plugs arranged adjacent opposite sides of the transverse median of said carrier and disposed in forwardly convergent relation, and a resilient holding strap for bridging the nose of the wearer and having the inner face of its terminal portions disposed transversely of and secured to the outer faces of spaced, horizontally aligned portions of said strap in proximity to said carrier, and said elongated strap having correlated means at its ends for detachably connecting them together.

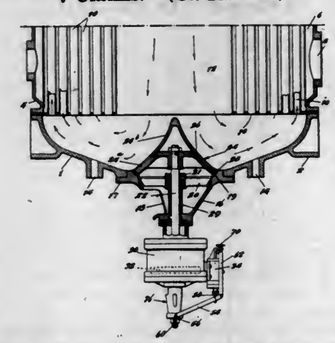
2,241,293
CONNECTOR
Ransom D. Campbell, Asheville, N. C.
Application June 24, 1940, Serial No. 342,151
3 Claims. (Cl. 285—6.5)

1. In a conductor connector of the class described, a fitting including male and female portions having screw threads, said female portion adapted to be threaded onto an electric conduit, said male portion having a groove, a semi-cylindrical key to enter said groove to secure the male portion in an opening of an outlet box, and



adjustable means on the male member to engage the key to retain the latter in the groove against the outlet box.

2,241,294
DISCHARGE VALVE FOR VACUUM PANS
José R. Carreras and Leoner A. Lugo, San Juan, Puerto Rico, assignors to Sucesores de Abarca, San Juan, Puerto Rico, a partnership consisting of Angel Abarca Portilla, Juan Abarca Portilla, and Felipe F. Vidal
Application May 16, 1939, Serial No. 274,058
7 Claims. (Cl. 159—44)

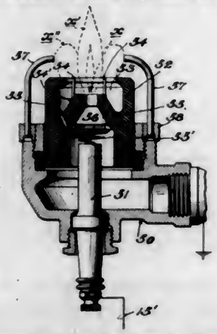


1. In a vacuum pan, a dished bottom having a discharge opening at the lowest point thereof, a plurality of inlet openings arranged about said discharge opening and a discharge valve in said discharge opening, said valve projecting into said pan and having a downwardly and outwardly extending surface curved to merge into the surface of the bottom and serving to deflect liquid currents outwardly from said valve on said pan bottom.

2,241,295
SAFETY PILOT BURNER
James K. Clark, New Hartford, N. Y., assignor to The Partlow Corporation, New Hartford, N. Y.
Application May 29, 1939, Serial No. 276,475
4 Claims. (Cl. 158—115)

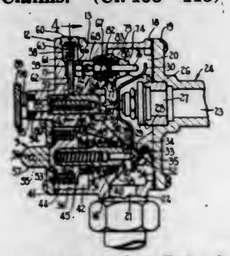
1. A pilot burner, including a body having an insulated electrode therein, said body having an insulator member therein formed with a gas chamber disposed above the electrode and having a burner, and further having gas passages for conducting gas into the chamber, a series of inner electrodes in the chamber surrounding the burner, means to electrically connect the first named electrode to the inner series of electrodes, and an outer series of electrodes surrounding the

first named series and having free ends confronting each other and disposed above the first



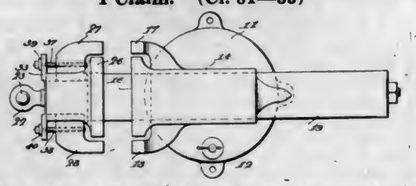
named series with their free ends forming a ring-like arrangement.

2,241,296
FUEL SUPPLY CONTROL MEANS
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Original application September 25, 1935, Serial No. 41,975. Divided and this application September 19, 1938, Serial No. 230,565
3 Claims. (Cl. 158—115)



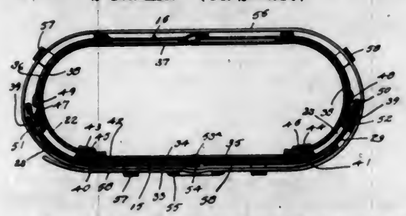
1. In a control device for fluid fuel, a main burner, a main valve member operable to supply fuel to said burner, a pilot burner, valve means controlling flow of fuel to said pilot burner and having a stem portion, a manually operable reciprocal member operable to move said main valve member to stop flow of fuel to said main burner, said reciprocal member having a cam surface engageable with said valve means stem portion, and means urging said stem portion into engagement with said cam surface and operable on said valve means to cut-off flow of fuel to said pilot burner upon movement of said reciprocal member to cut-off flow to said main burner.

2,241,297
VISE
Carl Harry Ekstam, Bloomington, Ill.
Application May 31, 1940, Serial No. 338,203
1 Claim. (Cl. 81—33)



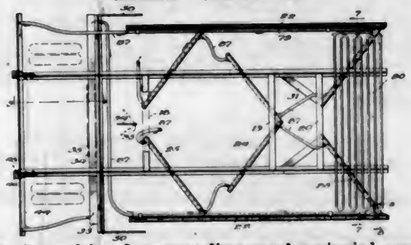
In a vise, a female part having an upper jaw and side jaws formed integral therewith, a male part having an upper jaw and side jaws for cooperating with the jaws of the female part, the side jaws of the male part being mounted on the male part through the medium of dovetail ribs carried by the jaws fitting in corresponding grooves formed in the male part, a bar secured to the front side of the male part and projecting beyond the lateral sides thereof, screws carried by the bar engaging the side jaws of the male part, and ratchet handles connected to the screws to permit the screws to be turned when it is desired to move the side jaws of the male part into or out of operative position.

2,241,298
ARTICLE OF WEARING APPAREL
Edward Friedman, Lawrence, N. Y.
Application January 2, 1940, Serial No. 312,103
2 Claims. (Cl. 2—237)



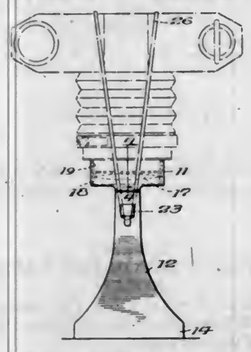
1. In an article of wearing apparel, a body part, a waistband extended from said body part and formed of front and back sections, each of said sections having terminal portions, the terminal portions of the front section overlapping the terminal portions of the back section, a pair of elastic means anchored to, arranged within and extended outwardly from said back section at points rearwardly of the ends of the back section, said front section and elastic means having correlated parts for connecting the front section to the back section inwardly adjacent the ends of the latter, elastic means anchored to, arranged within and extended from the front section at spaced points of the latter inwardly adjacent the ends of such section, and said second mentioned elastic means and said back section having correlated means for connecting the ends of the back section to the front section inwardly adjacent the ends of the latter, each of said elastic means being in the form of a length of elastic tape.

2,241,299
ROAD BUILDING APPARATUS
Sam E. Finley, Atlanta, Ga.
Application October 30, 1937, Serial No. 171,979
5 Claims. (Cl. 94—44)



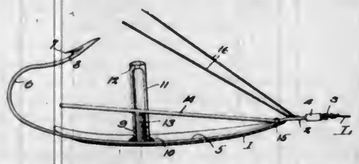
2. A machine for spreading road material, comprising a cover plate having depending side walls, hollow, laterally-inclined blades beneath said plate and carried thereby, a hollow screed extending transversely of said plate, a fluid circulating system including said hollow plates and screed and having a portion associated with said side walls, and means associated with a portion of said circulating system for heating the fluid therein.

2,241,300
PHOTOGRAPHIC ACCESSORY
John C. Gale, Omaha, Nebr.
Application September 3, 1940, Serial No. 355,241
3 Claims. (Cl. 88—24)



1. A supporting device for use with a camera for taking enlarged photographs, comprising a tubular head portion the upper surface of which defines a plane, depending leg portions each secured at one end to said head portion, the edges of one of said leg portions being spaced from the edges of the other of said leg portions to define opposed openings, the free ends of said leg portions defining a plane parallel to that defined by the upper surface of said head portion, and a convex lens fixedly mounted in said head portion with its axis perpendicular to said planes.

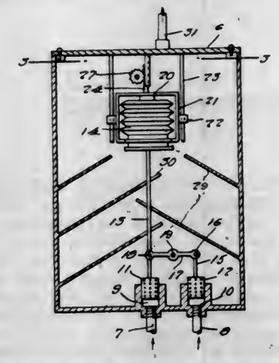
2,241,301
FISHHOOK
Jacob Jay Gall, Punta Gorda, Fla.
Application November 12, 1940, Serial No. 365,360
5 Claims. (Cl. 43—27)



1. The combination with a lure having a hook fixed relative thereto, of a latch carried by the lure and normally supported yieldingly close to the point of the hook, and a guide post fixedly mounted on the lure, said latch being slidable along and limited in its movement by the post.

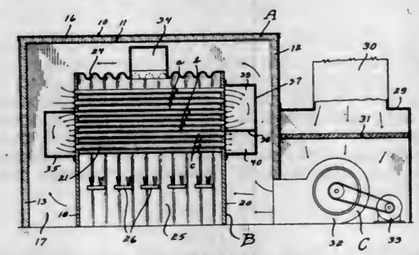
2,241,302
AUTOMATIC TEMPERATURE CONTROL FOR WATER LINES
Martin T. Gaskill, Toms River, N. J.
Application August 6, 1938, Serial No. 223,537
1 Claim. (Cl. 236—12)

An automatic temperature regulator for water lines comprising a tank having hot and cold water pipes connected to the bottom of the tank, a discharge pipe leading from the top of tank, valve chambers within the tank communicating with the respective hot and cold water pipes, said chambers being in the form of cylinders, cylindrical valves having a working fit in said cylinders, said valves being open at their bottom and having perforated side walls and closed at their top, rods rising from the top of the valves, a link pivotally mounted intermediate its ends and having its end portions pivoted to each of said rods for oppositely actuating the valves, a thermostat



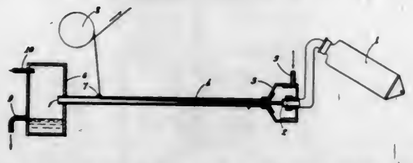
attached at one end to one of said rods, a frame secured to the other end of the thermostat guide means on opposite sides of the frame, a pair of guide rods extending downwardly from the top of the tank with which the guide means are engaged for vertical sliding movement, a rack rising from the top of the frame, a guide for the rack also extending downwardly from the top of the tank and a manually operated pinion engaging the rack for slidably actuating the frame.

2,241,303
HOT-AIR FURNACE
Roland E. Grebe, Avalon, Pa.
Application January 17, 1939, Serial No. 251,424
5 Claims. (Cl. 126—109)



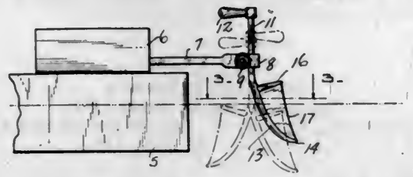
1. In a hot air furnace, an outer jacket, a heating unit in spaced relation within the jacket having a combustion chamber and forming an air space about the unit, superposed groups of horizontal air pass tubes in the upper portion of the combustion chamber and with the uppermost group of tubes opening at one end into said air space, air transfer ducts connecting the ends of the groups of tubes for causing the air to travel downwardly thru successive underlying groups of tubes, a heated air outlet communicating with the lowermost group of tubes, a flue pass outlet for the upper portion of the combustion chamber, and means for introducing air under forced circulation into the lower portion of the outer jacket.

2,241,304
APPARATUS FOR THE PRODUCTION OF ARTIFICIAL THREADS
Alfred Douglas Heywood, Wolverhampton, and John Harrison Givens and Eric Andrew Morton, Coventry, England, assignors to Courtaulds, Limited, London, England, a British company
Application October 20, 1938, Serial No. 236,104
In Great Britain October 25, 1937
3 Claims. (Cl. 18—8)



1. Apparatus of the character described comprising in combination a jet for extruding viscose, a tube having an end surrounding said jet, means for supplying coagulating liquid to said surrounding end, means for removing the thread from said tube at a point remote from said jet, an inclosed container receiving the other end of said tube, means at a lower level for taking off from said container coagulating liquid from said tube, and means at a higher level for taking off from said container gases evolved in said tube.

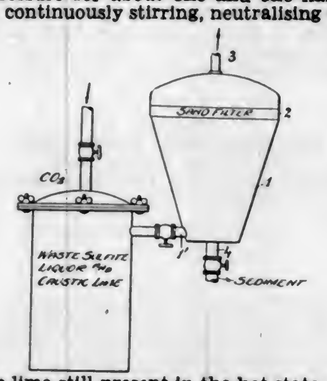
2,241,305
PROPELLING DEVICE
Arthur Dempsey Hill, Jr., Los Angeles, Calif.
Application February 27, 1939, Serial No. 258,827
4 Claims. (Cl. 115—28)



1. An impelling device comprising a horizontally disposed arm, means for vibrating said arm in a horizontal direction, a clamp secured to the free end of said arm, a rod vertically adjustable in said clamp, means for rotating said rod with relation to said clamp, and a vertically disposed membrane secured to said rod and extending laterally therefrom to produce a vibrating flexible vane.

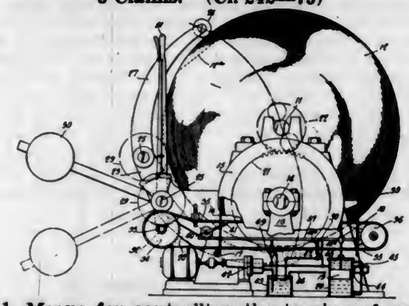
2,241,306
PROCESS FOR OBTAINING A TANNING AGENT FROM WASTE SULPHITE LIQUOR
Max Hönig, deceased, by Heinrich Hönig, legal representative, Brunn, Czechoslovakia, assignor of thirty per cent to Wilhelm Feith, Brunn, Czechoslovakia
Application February 23, 1939, Serial No. 258,106
In Czechoslovakia July 9, 1936
2 Claims. (Cl. 260—124)

1. A process for obtaining genuine tanning substances from sulphite waste liquors consisting in adjusting the waste liquor, freed from mechanical impurities, to a pH value of 9 by means of lime, heating the liquor in a confined space whilst continuously stirring until a pressure of about 15 atm. is set up, maintaining the mixture at the boiling temperature under this pressure for about one and one-half hours whilst continuously stirring, neutralising the free



caustic lime still present in the hot state, and removing the sediment from the tanning liquor.

2,241,307
TENSION REGULATOR FOR PAPER FEED ROLLS
Conrad J. Kern, Drexel Park, Pa., assignor to The Moore & White Co., Philadelphia, Pa., a corporation of Pennsylvania
Application April 28, 1939, Serial No. 270,617
5 Claims. (Cl. 242—75)

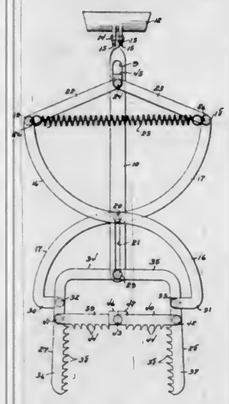


1. Means for controlling the tension of paper drawn from a roll rotating about a fixed axis comprising a brake for the roll and means to vary the tension of the brake in accordance with variation in diameter of the roll, said means including a shiftable member shifting of which varies the braking resistance of the brake, a plurality of roll-engaging elements adapted to engage the periphery of the roll at circumferentially spaced points, means tending to maintain said elements in engagement with the roll, connections between said elements whereby their roll-engaging portions are maintained at points equidistant from the axis of said roll and a connection between said elements and said shiftable member constructed and arranged to position said member in accordance with the position of said elements.

2,241,308
GAFF HOOK
Arvo I. Koivu, Intola, Ontario, Canada
Application July 10, 1940, Serial No. 344,820
1 Claim. (Cl. 43—5)

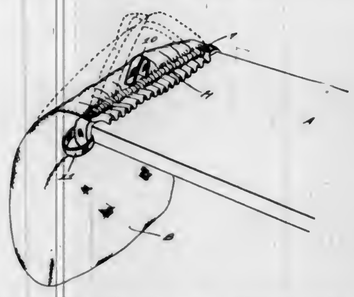
A gaff hook comprising a frame bar provided at its lower end with a longitudinally extending slot, a transverse handle secured to the upper end of the frame bar, levers in the form of compound curves crossed between their ends on said

frame bar, a pivot pin passed through the levers at their crossing and through said slot of the frame bar, spreader links pivotally connected to the frame bar near the upper end of the latter, a helical coil spring secured at the end to the spreader links, jaws of angular formation in side elevation pivoted to the lower ends of the said levers, said jaws having horizontal arms, a pivot pin connecting the horizontal arms together passing through said slot of the frame bar, said jaws having parallel arms provided with teeth on the



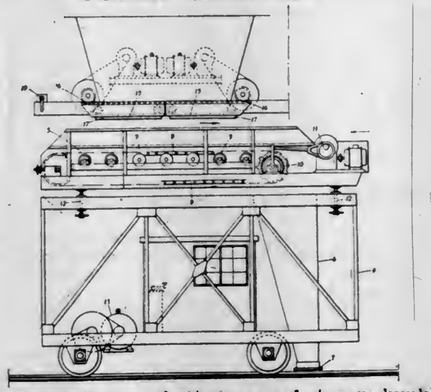
inner sides, alined trigger links pivotally connected at their outer ends to the parallel arms of the jaws and pivotally connected together at their inner ends, the lower edges of the said links being provided with teeth, and stop members on the inner ends of the links abutting each other when the links are alined, said pivoted inner ends of the trigger links being adapted to be dislodged upwardly by impact with a fish to permit said spring to actuate said crossed levers to swing the jaws to impale the fish between them.

2,241,309
IRONING BOARD BAG
Anthony Kovalik, Homestead, Pa.
Application August 26, 1940, Serial No. 354,286
3 Claims. (Cl. 38—141)



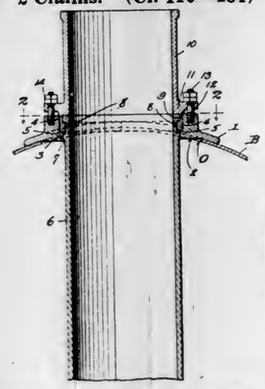
1. A bag for use with an ironing board comprising a bag having one end open, a hem formed around the open end, a spring in a part of the hem, hooks in other portions of the hem and having their ends connected with the ends of the spring and an elastic strap in another part of the hem and connected with the opposite ends of the hooks.

2,241,310
CHARGING DEVICE FOR COKING CHAMBERS
Reginald Frank Krall and Frank Sutcliffe Townend, London, England, assignors to Woodall-Duckham (1920) Limited, London, England, a British company
Application July 18, 1939, Serial No. 285,188
In Great Britain July 19, 1938
5 Claims. (Cl. 214—18)



1. In a coke-oven battery, a coal storage bunker associated with the coke-oven battery, outlets on the said storage bunker, horizontal sliding closure means for said outlets on the storage bunker, a charging car movable above the coke-ovens comprising the battery, at least two horizontally-arranged band-conveyors on said charging car which conveyors are adapted to receive while stationary a measured quantity of coal from the outlets of said storage bunker, the outlets of the storage bunker being commensurable in size with the length and breadth of the associated band-conveyors on the charging car and spaced correspondingly to said conveyors, a charging chute having steeply-inclined sides at the same end of each of said conveyors on the charging car, with means to operate each of said conveyors independently of the others to discharge the coal carried by each conveyor-band over the end into the associated charging chute and so into the oven.

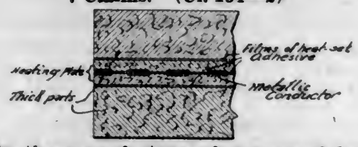
2,241,311
LOCOMOTIVE SMOKESTACK
Ernest R. Lewis, Richmond, Va.
Application June 25, 1940, Serial No. 342,375
2 Claims. (Cl. 110—184)



1. The combination with a boiler smoke box

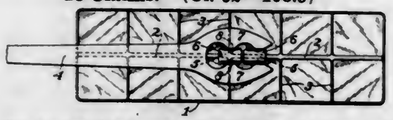
having an opening, of a base secured to the smoke box and projecting into the opening, said base having an opening therethrough and an annular seat within the opening, a ring comprising opposed arcuate members supported by and extending inwardly from the seat, a stack extension having a collar at its upper end within the opening in the base, said collar being provided with an annular groove in which the ring is removably seated, said ring, collar and seat cooperating to support the extension detachably within the base, a stack above the base and fitted snugly at its lower end upon the upper end of the stack extension, and means for detachably connecting the stack to the base and holding said stack and extension in intimate contact at their meeting ends.

2,241,312
MANUFACTURE OF LAMINATED FIBROUS ARTICLES
Willy Lüty, Essen-Bredeney, Germany, assignor, by mesne assignments, to Th. Goldschmidt Corporation, New York, N. Y., a corporation of Delaware
Application January 14, 1939, Serial No. 251,003
In Germany January 17, 1938
7 Claims. (Cl. 154—2)



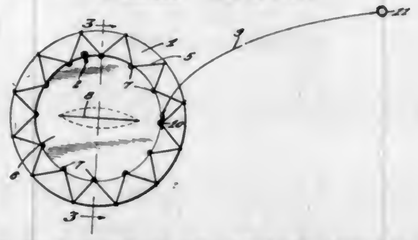
1. In the manufacture of compound lumber, the process which comprises assembling a thin foraminous metallic conductor between thin plies of fibrous material, a heat-setting adhesive being introduced between said conductor and said plies, heating said adhesive to temperatures sufficiently high to produce substantial setting of said adhesive while subjecting the assembly to pressures sufficiently high to force the material of said plies through the openings of said conductor into substantial contact, then placing the resulting heating plate between plies of material to be united, at least one of said plies being too thick to permit the conduction of sufficient heat therethrough to cause the setting of a heat-setting adhesive, a heat-setting adhesive being present in the joints between said heating plate and said thick plies, and applying pressure to the resulting assembly while heating said adhesive to setting temperatures by passing an electric current through said metallic conductor, said thin plies of said heating plate being sufficiently thin to permit the ready passage therethrough of the electrically generated heat sufficient to produce the setting of said adhesive introduced into the joints between said heating plate and said thick plies.

2,241,313
ICE TRAY FOR REFRIGERATORS
James H. Miner, Meridian, Miss.
Application February 28, 1938, Serial No. 193,166
15 Claims. (Cl. 62—108.5)



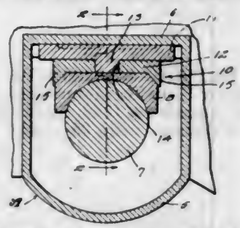
1. In an ice tray organization for refrigerators, a tray proper of resilient material, a grid in two sections adjoining each other at an intermediate point lengthwise of the tray, each section being independently removable from the tray and having a longitudinally extending central partition member with fins extending from its opposite sides to provide ice cube pockets, said central partition members being arranged end to end, and a lever for engaging the meeting ends of said partitions for moving them crosswise of the tray in opposite directions relative to each other.

2,241,314
FISH BAG
Paul Mohler, East Chicago, Ind.
Application August 12, 1940, Serial No. 352,307
4 Claims. (Cl. 43—55)



1. In a device of the character described, a circular pneumatic float of resilient material, a sack of netting depending from the bottom of the float, and having a mouth extending around the bottom of the float and detachably secured to the latter, and a tethering line attached to said float for anchoring the same, said float having a diametrical slit therein forming an inlet into said sack.

2,241,315
WEDGE
James B. Nelson, Pensacola, Fla.
Application September 18, 1939, Serial No. 295,522
4 Claims. (Cl. 308—38)

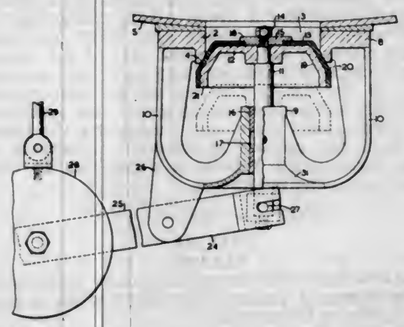


1. In combination with a journal box having an adjustable axle extending therethrough, a pair of wedge members maintaining the axle in the box in fixed position, one of said wedge members having a slot and the other wedge member having a lug disposed within said slot to maintain said members against lateral movement on each other, one of said wedge members removable for replacement of another member with a differently arranged slot for adjusting said axle relative to said box.

2,241,316
VALVE FOR DISCHARGING CONTAINERS
James Porteous, Johannesburg, Transvaal, Union of South Africa
Application November 18, 1938, Serial No. 241,285
In the Union of South Africa May 4, 1938
1 Claim. (Cl. 137—21)

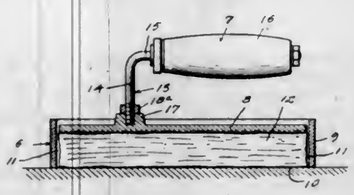
A valve for discharging containers, consisting

of a body comprising a ring defining a discharge orifice and providing a valve seat, means for attaching the ring to a container, a valve stem guide co-axial with and spaced from the ring, and an open-sided spider rigidly connecting said stem guide to the ring, and in combination with said body a closure member comprising a head and a stem movable axially in the stem guide, the head



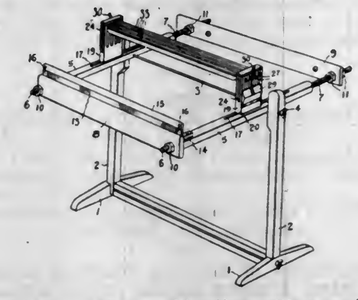
being hollow and comprising a substantially cylindrical peripheral skirt extending beyond the point of junction of the stem with the head, the head seating on the stem guide when the valve is open, the upper end of the stem guide bore being then above the lower edge of the skirt so that the latter protects the stem guide, and retractable means for forcibly holding the closure member to the seat.

2,241,317
BROILER
John L. Pringle, West Monroe, La.
Application December 18, 1939, Serial No. 309,906
1 Claim. (Cl. 53—5)



In a broiler, a horizontally disposed rectangular frame for seating its bottom edge in superimposed relation with respect to a heating surface and providing an open top and bottom chamber for confining the article being broiled and the extracts from such article, a rectangular plate removably arranged in the upper portion of said chamber for disposing its lower face in superimposed relation with respect to the article to apply pressure on the latter, the side and end edges of said plate being disposed in close proximity to the inner faces of the sides and ends of said frame for substantially closing the upper portion of said chamber, said plate having its lower face formed throughout with oppositely disposed sets of spaced parallel intersecting diagonal grooves, the grooves of each set opening at side and end edges and at diagonally opposed corners of the plate, and a handle means connected with the upper face of said plate.

2,241,318
MACHINE FOR WEAVING
Frederick E. Robson, Toronto, Ontario, Canada, assignor to Scarborough Guild Limited, Scarborough, York, Ontario, Canada
Application November 13, 1936, Serial No. 110,738
In Canada November 13, 1935
9 Claims. (Cl. 139—33)



1. In a loom the combination with a rectangular frame having adjustable end bars and a stand pivotally supporting said frame, of blocks mounted on the sides of said frame each having a plurality of vertical slots therein, heddle rods, members slidable in each of said slots having notches to hold the ends of said heddle rods and having projections for lifting said slidable members, spring means for engaging and holding said slidable members in a raised position, and means for operating said spring holding means to release all of said slidable members simultaneously.

2,241,319
ILLUMINATED MUSIC LYRES
Curtis W. Roseberry, Leesville, La., assignor of forty-nine per cent to Jay Gethren Palmer, Leesville, La.
Application August 8, 1940, Serial No. 351,832
3 Claims. (Cl. 240—6.4)



1. In combination with a lyre light, a hollow casing lying along the rear of said lyre, means for holding said casing on said lyre, batteries in said casing, a housing projecting at substantially right angles forwardly from the upper portion of said casing, a light reflector removably carried by said housing, said light reflector having an opening in its lower portion, light shields at opposite sides of said opening, a lamp socket in said housing, a lamp in the reflector removably mounted in said socket, and electrical and switch connections between said lamp and said batteries.

2,241,320
WEEDLESS FISHHOOK
Austin O. Sarff, Walker, Minn.
Application April 3, 1939, Serial No. 265,837
5 Claims. (Cl. 43—38)



1. A fishhook of the class described comprising a shank, a spring locking device carried by the hook, the hook having a point, said locking device having a cupped-portion in which said point is adapted to fit, said cup-like portion having backwardly inclined points projecting outwardly and toward the forward end of the hook to provide pressure points to engage an object caught by the point of the hook, said locking device being adapted to flex inwardly toward the shank of the hook and away from the point of the hook when the point of the hook engages an object, and said pressure points being formed upon opposite sides of the cupped-portion.

2,241,321
PREPARATION OF POLYAMIDES
Paul Schlack, Berlin-Treptow, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application July 20, 1938, Serial No. 220,266. In Germany June 10, 1938
10 Claims. (Cl. 260—2)

1. A process which comprises heating as an initial reactant a monomeric lactam of a monoaminomonocarboxylic acid having a chain of at least 5 carbon atoms between the carboxyl and the amino group, and continuing the heating above the melting point of the lactam and above 180° C. until a substantial amount of said lactam has polymerized to the stage where the resulting polymerization product can be continuously spun from melt into uniform threads.

2,241,322
PROCESS FOR PREPARING POLYAMIDES FROM CYCLIC AMIDES
William E. Hanford, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 9, 1939, Serial No. 255,507
10 Claims. (Cl. 260—2)

1. A process for preparing polyamides which comprises heating a cyclic amide as an initial polyamide-forming reactant under superatmospheric pressure with water in amount of at least 0.1 mol of water per mol of the cyclic amide, and continuing said heating under superatmospheric pressure with retention of said amount of water until the cyclic amide has been converted mostly to polyamide, said cyclic amide containing more than 6 annular atoms in which the nitrogen is amido nitrogen and is an integral part of the ring.

2,241,323
PROCESS FOR PREPARING POLYAMIDES
Crawford H. Greenewalt, Wilmington, Del., assignor to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 30, 1938, Serial No. 232,680
6 Claims. (Cl. 260—2)

1. A process for preparing polyamides which comprises heating a cyclic amide which has at least seven annular atoms and which contains amido nitrogen as an integral part of the annular structure to a temperature above the melting point of the amide and below the temperature at which substantial pyrolysis of the resultant polyamide takes place, and continuing the heating until the polyamide obtained is capable of being formed into filaments which can be cold drawn into oriented fibers.

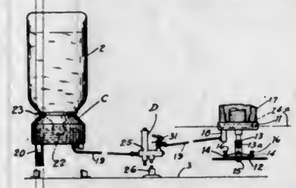
2,241,324
VALVE
Lynn Otis Selby, Wethersfield, Conn., assignor to The Sparmal Engineering Corporation, a corporation of Connecticut
Application December 26, 1934, Serial No. 759,196
8 Claims. (Cl. 236—99)



1. In a valve, a support, temperature responsive expansible means suspended at one end thereof, a rod movable in said support and adjustably connected to said means, a valve plunger movable in said support and operated by said rod, said support having a cylinder in which said plunger moves, a communicating chamber in which said rod moves, and a controlled passage intersecting said cylinder and having the cross section of said passage controlled by said plunger, a plunger abutment means including a pin in the bottom of said cylinder normally inoperative on said plunger and engageable with the lower end of the latter to establish a minimum flow position of said plunger, and carrying means for said pin including threaded means carried by said support and threaded in said support, and means for adjusting said pin adjustably threaded in said threaded means.

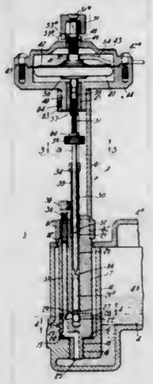
2,241,325
OIL BURNER INSTALLATION
Lynn O. Selby, Cromwell, Conn., assignor to The Sparmal Engineering Corporation, a corporation of Connecticut
Application May 23, 1940, Serial No. 336,791
5 Claims. (Cl. 236—6)

2. In combination, a liquid fuel burner of the distillate type having a base and radially communicating annular grooves therein and combustion chambers above said grooves and upwardly delivering air passages in said base between said grooves and delivering between said combustion chambers, and also having a vaporizer heated by said base for supplying vaporized fuel to said grooves during normal operation, means for supplying liquid fuel to said vaporizer during said normal operation while maintaining a low pressure constant level supply including a manually adjustable valve means for limiting the flow of fuel supplied to an amount within the maxi-



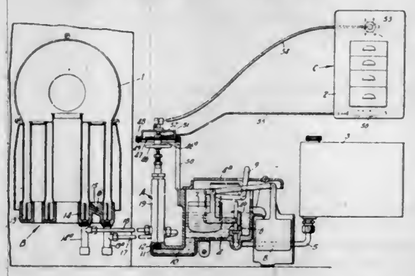
mum vaporizing capacity of said vaporizer when the burner is at maximum operating temperature, and expansible fluid operated temperature responsive valve means operative gradually as temperature changes affect the expansible fluid in said valve means for gradually varying the supply of fuel to said vaporizer during said normal operation while maintaining said supply within the limits of vaporization by said vaporizer at different operating temperatures and maintaining said base and vaporizer at a sufficient temperature during said normal operation to vaporize the fuel being fed to said vaporizer.

2,241,326
THERMOSTATICALLY CONTROLLED OIL BURNER
Lynn Otis Selby, Hartford, Conn., assignor to The Sparmal Engineering Corporation, a corporation of Connecticut
Application October 9, 1936, Serial No. 104,808
20 Claims. (Cl. 236—99)



1. In a thermostatically controlled valve, an axially elongated valve casing insertable longitudinally in a substantially corresponding longitudinal socket and having an exposed upper end, said casing having a lower fuel inlet and a communicating transverse fuel supply passage extending transversely therein, means for controlling the supply of fuel through said passage including a valve member extending inside said casing and adjustable longitudinally thereof to vary the effective cross section of said transverse supply passage, temperature responsive means for operating said valve member, and manually operative valve means disposed longitudinally of said casing having a control portion inside said casing also controlling the amount of fuel which can be supplied through said transverse supply passage, said valve member and valve means each having adjusting means extending above the exposed upper end of said casing and adjustable following insertion of the latter in said socket.

2,241,327
THERMOSTATICALLY CONTROLLED OIL BURNER INSTALLATION
Lynn Otis Selby, Hartford, Conn., assignor to The Sparmal Engineering Corporation, a corporation of Connecticut
Application October 17, 1936, Serial No. 106,203
15 Claims. (Cl. 158—86)

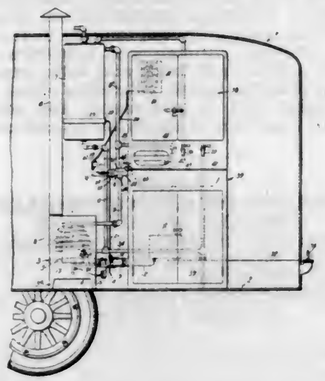


6. In combination, an oil burner having adjacent high and low heat burner grooves, an oil reservoir common to both of said grooves, and means for supplying oil progressively to said grooves from a minimum amount required to maintain a low flame in said low heat groove to the maximum amount of oil both grooves can consume without smoking including a thermostatically controlled valve having an oil inlet passage connected with said reservoir and vertically spaced oil outlet passages separately connected with said burner grooves, said valve also having a vertical plunger passage intersecting said outlet passages, a plunger movable therein to vary the cross section of said outlet passages, means for limiting the movement of said plunger in one direction whereby to maintain a minimum flow of fluid to one of said burner grooves, and temperature responsive means for actuating said plunger in the reverse direction to first uncover said minimum flow passage and to subsequently uncover said other outlet passage.

2,241,328
REFRIGERATING SYSTEM
Lynn Otis Selby, Hartford, Conn., assignor to The Sparmal Engineering Corporation, a corporation of Connecticut
Application October 21, 1936, Serial No. 106,833
7 Claims. (Cl. 62—5)

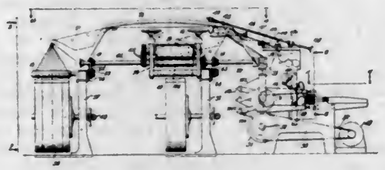
1. A heating and refrigerating system including a closed fluid circulating path and having a fluid for circulation therein when heated, a refrigerator of the absorption type having a generator and having the refrigerant therein heated by said fluid and also having means adapted to circulate the refrigerant when heated, a burner for heating said fluid having its flame controlled by the temperature of said fluid and having means for maintaining at least a predetermined mini-

mum flame therein, and means controlled by the temperature of the refrigerator and control-



ling the circulation of said heated fluid for variably supplying heat to said refrigerant.

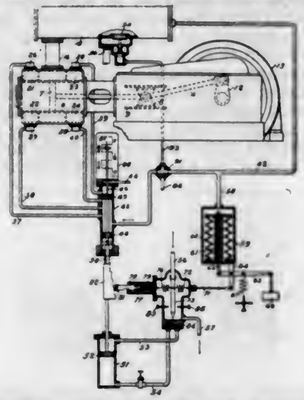
2,241,329
PAPER FOLDING MACHINE
Glenn A. Shaffer, De Pere, Wis., assignor to Fort Howard Paper Company, Green Bay, Wis., a corporation of Wisconsin
Application February 7, 1939, Serial No. 255,144
23 Claims. (Cl. 270—66)



1. A paper folding and interfolding machine comprising, in combination: means to support a plurality of parent rolls of strips of paper to be folded; means to fold the respective strips into bands; means individual to each strip to cut the respective bands into lengths to be interfolded; individual means respectively to feed the lengths to interfolding means; common means to interfold the lengths cut from each band into individual package columns; and common drive means for the individual cutting and interfolding means.

2,241,330
COMPRESSOR CONTROL SYSTEM
Melvin C. Shaw, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application November 1, 1939, Serial No. 302,294
5 Claims. (Cl. 230—21)

1. In a system for controlling the output of a reciprocating compressor, a plurality of pockets for varying the volume of the compressor, fluid pressure actuated valves for severally opening and shutting said pockets, a pivot valve for controlling the supply to and the discharge of fluid pressure from said valves, a fluid pressure operated servomotor for operating said pilot valve, a movable nozzle for applying pressure to said servomotor, and a flexible diaphragm responsive



to the output pressure from the compressor for controlling said servomotor.

2,241,331
SUPPOSITORY
Robert S. Shelton, Mariemont, and Louis Magid, Reading, Ohio, assignors to The Wm. S. Merrell Company, Reading, Ohio, a corporation of Delaware
No Drawing. Application January 27, 1939, Serial No. 253,224
16 Claims. (Cl. 167—64)

1. Suppositories which have the properties of absorbing substantial quantities of water, and swelling on contact with aqueous fluids, said suppositories having a base containing as a principal ingredient an unctuous fatty acid ester of a fatty acid having at least twelve carbon atoms with a compound of the class consisting of polyhydric alcohols having an unbroken carbon-linked chain and having four to six hydroxyl groups and their anhydrides.

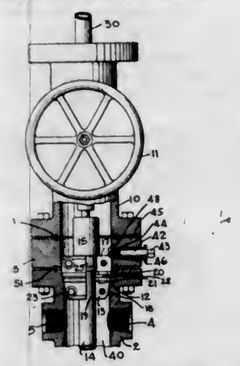
2,241,332
PACKAGE FOR CHEWING GUM UNITS
Aurelio J. Simeone, Corona, N. Y., assignor to American Chicle Company, Long Island City, N. Y., a corporation of New Jersey
Application March 3, 1939, Serial No. 259,514



A package for chewing gum units such as a slab of chewing gum, comprising a rectangular sheet receiving centrally thereof one major face of the slab and having a first and a second sheet area initially projecting beyond said slab face transversely thereof, the first sheet projecting area being folded over upon the second major face of the slab, the sheet projecting at each end of the slab and the ends of that area of the sheet joining the first sheet projecting area with the area of the sheet underlying the slab being moved at right angles into parallelism with the ends of the slab, and substantially in abutment therewith, to form at each end of the slab superposed two double-walled end fold lips, triangular in formation, and each triangular end fold lip extending substantially from the one to the other

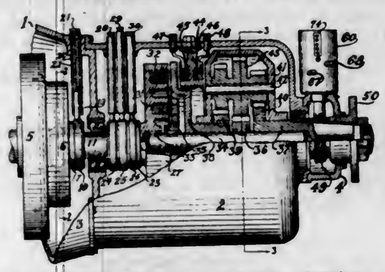
longitudinal edge of the slab, the said lips being folded over upon the slab and covered by a folding over thereupon of the second projecting area of the sheet.

2,241,333
WELL HEAD
Roger Smith, Houston, Tex., assignor to Gray Tool Company, Houston, Tex., a corporation
Application July 24, 1934, Serial No. 736,635
Renewed March 13, 1939
9 Claims. (Cl. 255—1.8)



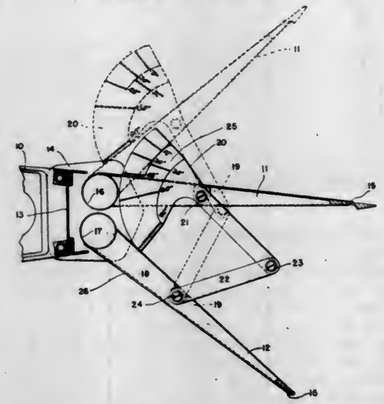
1. A tapered tubing hanger and well head closure including a metallic body divided longitudinally into a pair of complementary body parts, means passing transversely through said body to bolt said parts together about a tubing, and strips of packing carried by said parts along the inner, outer and meeting faces to form a complete seal with the tubing, tubing seat, and with each other.

2,241,334
AUTOMATIC TRANSMISSION
Matthew Stucatur, Philadelphia, Pa.; Fannie E. Stucatur, administratrix of said Matthew Stucatur, deceased, assignor to Fannie E. Stucatur
Application March 14, 1938, Serial No. 195,811
12 Claims. (Cl. 74—260)



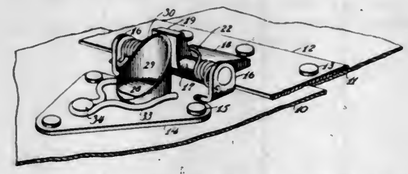
1. A transmission comprising driving and driven members; a plurality of trains of transmission gears for operatively connecting said driving and driven members at any one of a plurality of gear ratios; and an electrical governor for selectively engaging any one of said trains of gears with said driving and driven members, said electrical governor comprising a damped dynamometer coupling operatively connected to said driving member, a dashpot operatively connected to said damped dynamometer coupling, a speed responsive member operatively connected to said driven member, and means electrically connecting said dynamometer coupling with said speed responsive member.

2,241,335
WING FLAP POSITION INDICATOR
Frank A. Wedberg, Kenmore, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application October 18, 1939, Serial No. 299,938
7 Claims. (Cl. 244—1)



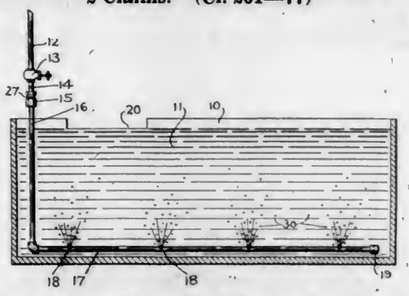
4. In a flap installation for aircraft, complementary upper and lower flap sections, spaced pivots about which said sections are adapted to be rotated for independent and joint separating movements, indicating means carried entirely by said sections comprising at least two members separately pivoted to each flap section and to each other, sets of indicia associated with one of said members adapted to be rotated oppositely to and to be projected beyond the surface of one of said sections upon said independent and joint separating movements respectively.

2,241,336
COWL FASTENER
Omer L. Woodson, Eggertsville, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application September 14, 1939, Serial No. 294,865
7 Claims. (Cl. 292—229)



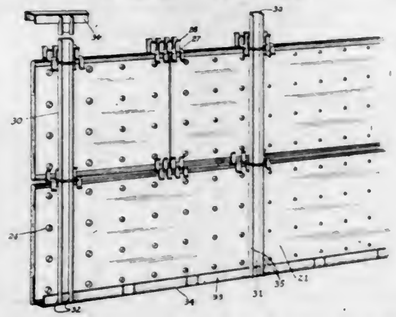
1. A lock for overlapping flat elements comprising a tab pivoted to the underside of the overlapping element on an axis substantially parallel to the edge of the overlapped element, said tab being swingable over and toward the overlapped element to secure same between the tab and the overlapping element, and cam means mounted on the overlapping element for swinging said tab between the securing position and a position wherein the tab is wholly clear of the overlapped element in a direction normal to their planes.

2,241,337
LIQUID AGITATING AND SIPHON BREAK APPARATUS
Ernest W. Work, New Britain, Conn., assignor to The Beaton & Cadwell Manufacturing Company, New Britain, Conn., a corperation of Connecticut
Application March 4, 1939, Serial No. 259,877
2 Claims. (Cl. 261—77)



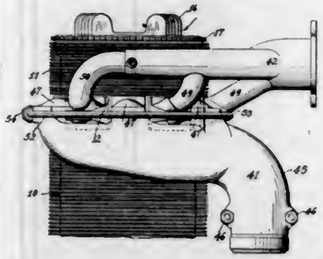
1. In an apparatus for agitating an aqueous cleaning liquid provided with a tank having an overflow at the top thereof for containing said liquid, and a pipe connected with a water supply line for feeding water to said tank, characterized by having an apertured Venturi aspirator in said pipe above said overflow for drawing air from the atmosphere and commingling it with the water flowing in said feed pipe, and means to deliver the air and water mixture from said feed pipe into said cleaning liquid adjacent the bottom of said tank to thoroughly agitate the liquid and cause solid particles to become suspended therein and be drawn off at said overflow and thus prevent said particles from accumulating in the bottom of said tank, said aspirator preventing the possibility of accidental back-siphonage of the cleaning liquid from said tank to said water supply line, said aspirator comprising a union internally threaded at both ends for connection with adjoining externally threaded sections of said pipe in which it is included, and having a restricted double-conical bore provided with a plurality of upwardly inclined air-inlet passages connected to said bore below said restricted section.

2,241,338
PARTITION STRUCTURE
Bruno E. Balduf, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application December 15, 1937, Serial No. 179,967
2 Claims. (Cl. 72—46)



2. In a partition structure, a pair of channel strips attached to the floor and ceiling of a room, said strips having a web and a pair of outstanding flanges, one flange of each channel being provided with spaced slots, channel studs having webs engaging in said slots, lathing boards supported by said studs, the upper and lower edges of the partition boards engaging in said channel strips between the unslotted flange of said strip and said studs, clips having outstanding fingers engaging abutting edges of said boards, wires connecting said clips to said studs, and plaster covering both faces of said partition.

2,241,339
CYLINDER CONSTRUCTION
Kenneth A. Browne, Westwood, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Original application May 15, 1937, Serial No. 142,754. Divided and this application September 2, 1939, Serial No. 293,260
14 Claims. (Cl. 123—193)



1. In a sleeve valve engine comprising a cylinder having a plurality of circumferentially disposed ports therearound, a continuous circumferential seat around said cylinder and embracing the several ports, intake and exhaust manifolds each embracing more than half of the cylinder circumference and having conduits registering with respective ports, the conduit ends engaging said seat, and a hoop embracing said conduits for holding same against said seat.

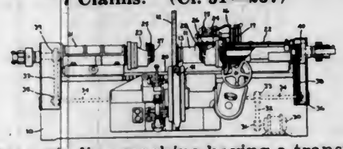
2,241,340
PLASTICIZED COUMARONE-INDENE RESIN
William H. Carmody, Pittsburgh, Pa., assignor to The Neville Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 21, 1938, Serial No. 209,368
4 Claims. (Cl. 260—42)

1. As a new composition of matter, a composition of hydrogenated coumarone-indene resin, from about 1 to 40 per cent of a rubber-like isobutylene polymer, and a solvent, said composition being productive of clear films.

2,241,341
METHOD OF ESTERIFYING ROSIN
Clarence D. Ender, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 30, 1940, Serial No. 326,955
8 Claims. (Cl. 260—104)

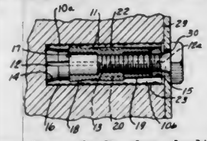
1. The method of producing a polyhydric alcohol ester of a wood rosin which includes heating a polyhydric alcohol with a wood rosin in contact with a terpene-maleic anhydride condensation product as an esterification accelerator, the said accelerator being present in an amount not in excess of about 10% by weight of the said rosin.

2,241,342
CRANKSHAFT GRINDING MACHINE
Carl G. Flygare, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application November 22, 1940, Serial No. 366,681
7 Claims. (Cl. 51—237)



1. In a grinding machine having a transversely movable rotatable grinding wheel and a longitudinally movable rotatable work support including a pair of spaced aligned work heads, a rotatable hollow spindle supported in each head, bearings in said heads for said spindle, at least one of said spindles being arranged to float axially in either direction, a work supporting pot chuck on each of said spindles, a driving shaft extending through said hollow spindles, a universal joint drivingly connecting one end of said shaft with the chuck end of said spindles, and means including driving connections adjacent to the other end of said driving shaft synchronously to rotate said pot chucks.

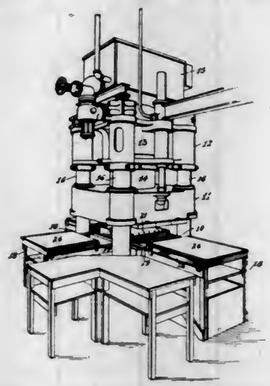
2,241,343
EXPANSION SHELL FOR MACHINE BOLTS
John Fleaca, Cleveland, Ohio
Application April 4, 1940, Serial No. 327,823
2 Claims. (Cl. 85—2.4)



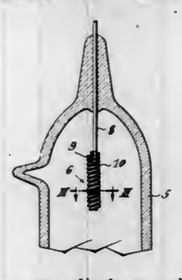
1. An expansion shell for bolts, comprising segmental shell sections each having an inner inclined surface near each end, said surfaces being inclined in the same direction but at different degrees of inclination, and a nut adapted to receive a bolt, within said sections, said nut having at each end a tubular extension the outer surfaces of which are inclined in the same direction but at different degrees of inclination and work against the inclined surfaces of the shell sections, the said segmental sections being slotted lengthwise.

2,241,344
PRESS LOADING PLATFORM
Clarence R. Graham, North Tonawanda, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application July 21, 1938, Serial No. 220,452
5 Claims. (Cl. 113—38)

1. In combination with a multi-sided press comprising a bed and a ram vertically disposed thereabove, a platen on the press having a plurality of spring-pressed ball casters projecting upwardly beyond the platen surface, rails extending laterally beyond and from a plurality of sides of the bed, carriages rollable along said rails, casters projecting upwardly from the several carriages, and platen plates, one for each carriage, adapted to be supported on said carriage for loading and unloading operations, and to be rolled from the carriage to the press platen on said casters prior to pressing operations.



2,241,345
ELECTRON EMISSIVE CATHODE
Daniel S. Gustin, Bloomfield, and George A. Freeman, East Orange, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 24, 1938, Serial No. 215,578
10 Claims. (Cl. 176—126)

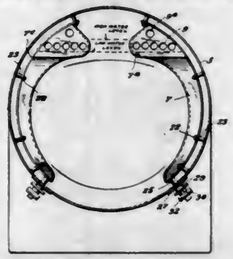


1. A high pressure discharge device comprising an enclosing envelope, an ionizable medium therein, and a pair of electrodes in said envelope between which an arc discharge occurs during operation of said device, at least one of said electrodes comprising a metal having a high melting and vaporization point, together with high electron-emissive properties when heated to initiate an arc discharge at low applied voltage, and a refractory metal of higher work function shielding said electron-emissive metal from positive ion bombardment to prevent sputtering of the latter during operation of said device.

2,241,346
WATER CLARIFIER
Charles Graham, Oroville, Calif., assignor of one-fourth to Harold E. Sullivan and one-fourth to Tom Smith, both of Portola, Calif.
Application March 5, 1940, Serial No. 322,395
4 Claims. (Cl. 122—389)

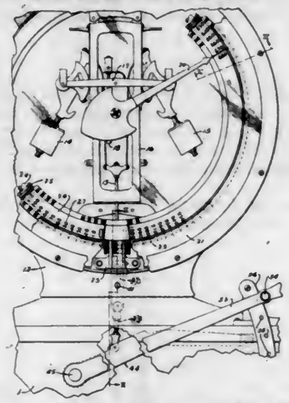
1. A water clarifier for locomotive type boilers, comprising a casing supported on the inside of the boiler shell, said casing having an inlet open-

ing at one side and an outlet opening at the opposite side, and an extension baffle plate project-



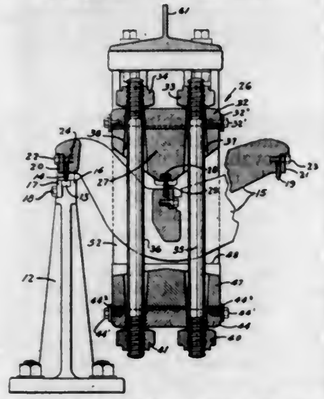
ing from the side of the casing adjacent the inlet opening.

2,241,347
WEIGHING SCALE
Halvor W. Hem, Toledo, Ohio, assignor to Toledo Scale Company, a corporation of New Jersey
Application April 25, 1938, Serial No. 204,008
2 Claims. (Cl. 265—48)



1. In a weighing scale, in combination, automatic load-counterbalancing mechanism, an indicator hand connected to said automatic load-counterbalancing mechanism to be moved thereby, a fixed chart the surface of which lies in a plane back of said indicator and bears marks adapted to cooperate with said indicator in indicating weights of loads, a flexible member, having flat surfaces, formed into a nearly complete annulus and lying with one of its flat surfaces substantially in the plane of the surface of said fixed chart, said flexible member being turnable about its annular axis to move another of its flat surfaces substantially into the plane of the surface of said fixed chart, said flexible member bearing a plurality of continuous series of evaluating figures, the figures of the several series succeeding in an arithmetical progression, a plurality of unit load-counterbalancing weights adapted to be successively connected to said automatic load-counterbalancing mechanism to augment the load-counterbalancing effect thereof, manually operable means for connecting said unit weights to said automatic load-counterbalancing mechanism, and means connecting said manually operable means to said flexible member to turn the same about its annular axis and thereby selectively locate substantially in the plane of the surface of said fixed chart one of the flat surfaces of said flexible member bearing evaluating figures indicative of loads corresponding to the counterbalancing effect of the unit weights then connected to said automatic load-counterbalancing mechanism plus a portion of the counterbalancing effect of said automatic load-counterbalancing mechanism.

2,241,348
WEIGHING SCALE
Halvor O. Hem, Toledo, Ohio, assignor to Toledo Scale Company, a corporation of New Jersey
Application August 18, 1938, Serial No. 225,606
3 Claims. (Cl. 265—71)

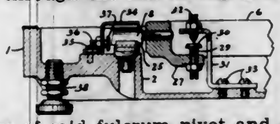


1. In a weighing scale, in combination, a lever having a bifurcated portion, a load pivot extending laterally across said bifurcated portion, a saddle block arranged to engage said pivot and having a transversely arranged bearing groove on its upper face, a rocker member having a pivot ridge engaging said bearing groove substantially along its entire length, spaced parallel bearing grooves in the upper face of said rocker member and extending transversely to said pivot ridge and a pair of rocker members having pivot ridges for engaging said spaced parallel grooves formed upon said first mentioned rocker member, aligned holes in said rocker members and said saddle block, rods threaded into the uppermost of said rocker members and extending downwardly through said aligned holes and through said furcation of said lever, a rocker member secured to the lower end of each of said rods and having pivotal ridges, a transversely extending rocker member having bearing grooves engaged by said pivotal ridges and provided with a pivotal ridge on its opposite face, a bracket having a bearing groove for engaging substantially the entire length of said pivotal ridge mounted upon said last mentioned rocker member and a load supporting yoke mounted upon said bracket and adapted to support a load supporting frame, said rocker members engaging said saddle block and said bracket having thrust means to prevent disengagement of said rocker members and said members engaged by them.

2,241,349
WEIGHING SCALE
Halvor W. Hem, Toledo, Ohio, assignor to Toledo Scale Company, a corporation of New Jersey
Application August 9, 1939, Serial No. 289,195
2 Claims. (Cl. 308—2)

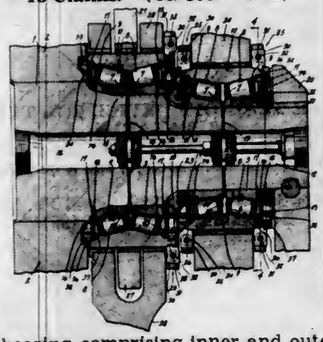
1. In a device of the class described, a base, an upwardly directed bearing mounted on said base, a lever, a knife-edged fulcrum pivot fixed

in said lever and engaging said bearing on said base, a shelf-like projection extending laterally from said lever, a flat faced bearing adjustably threaded in said shelf-like projection so that the center of its flat face lies substantially in the intersection of planes passing vertically and horizontally through the line of engagement of the



knife edge of said fulcrum pivot and said bearing on said base, a bracket secured to said base having a portion overhanging said flat faced bearing and a threaded member having a conical point threaded through said overhanging portion so that its conical point engages such flat face of said bearing in the intersection of such aforementioned planes.

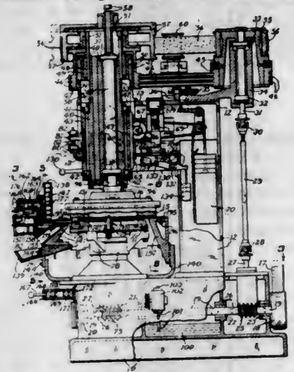
2,241,350
LOCOMOTIVE ROD BEARING
Ralph E. Horger, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application March 20, 1939, Serial No. 262,863
13 Claims. (Cl. 308—187.1)



6. A bearing comprising inner and outer raceway members, an annular end closure for the annular space between said members, said outer raceway member having an internal annular groove and a beveled annular seat for said end closure inwardly of said groove, a split ring in said groove, means for expanding said ring, said ring and said groove having cooperating portions thereof shaped to press said ring against the outer face of said closure when said ring is expanded into said groove, said outer raceway member being provided adjacent to said closure and said ring with an external annular groove, a split ring seated in said groove, and means for clamping said last mentioned ring in said external annular groove.

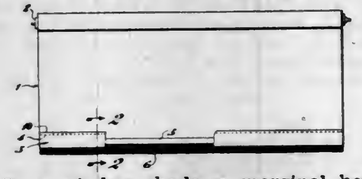
2,241,351
LAPPING MACHINE
Herbert S. Indge, Westboro, and Franklin E. Johnson, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application April 15, 1940, Serial No. 329,592
14 Claims. (Cl. 51—120)

1. In a lapping machine having a base, a pair of opposed relatively rotatable lapping wheels, means relatively to rotate said wheels, means to cause a relative approaching and receding movement between said lapping wheels, an adjustable stop to limit the approaching movement of said wheels, and a plurality of work loading devices, each comprising a work magazine, a



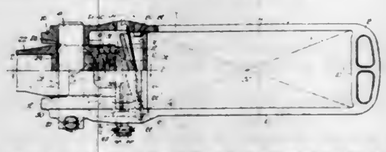
reciprocable work transfer slide to convey work pieces from the magazine into an operative position for a lapping operation and to convey work pieces therefrom after a lapping operation.

2,241,352
FRINGED WINDOW SHADE
Samuel J. Johnson, West Chester, Ohio, assignor to Clopay Corporation, Cincinnati, Ohio, a corporation of Maryland
Application September 27, 1939, Serial No. 296,840
2 Claims. (Cl. 156—10)



2. In a window shade, a marginal hem for receiving a reinforcing slat, said hem being formed from at least two thicknesses of shade material, and a decorative fringe depending from said hem, said decorative fringe being formed from a plurality of individual U-shaped tufts threaded through and supported by the double thickness of the hem.

2,241,353
DRAFT CONNECTION
Edmund P. Kinne and Frank H. Kayler, Alliance, Ohio, assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application March 23, 1939, Serial No. 263,616
23 Claims. (Cl. 213—72)



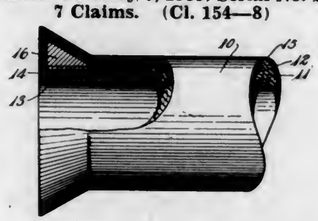
1. In a draft rigging for a railway car, a coupler, a yoke having a gear pocket, a pivotal connection between said coupler and yoke, and adjustable means mounted in said yoke between said pivot point and said pocket, said adjustable means being operable to tighten said pivotal

connection and to vary the length of said pocket and comprising a follower bearing block movable longitudinally of said yoke and having a plurality of wedge faces, an adjusting wedge received between said coupler and said block and having wedge faces in engagement with said first mentioned wedge faces, and means for moving said wedge longitudinally along said wedge faces.

2,241,354
METHOD FOR MAKING HIGH TEMPERATURE REFRACTORIES
Russell E. Lowe, East Orange, and Allen G. Griswold, Westfield, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application February 8, 1938, Serial No. 189,358
2 Claims. (Cl. 106—9)

1. The method of making a high temperature resistant refractory article which comprises, heating a metal containing substantial amounts of silicon in finely divided state in the presence of oxygen for several hours at a temperature above 2000° F. at which partial oxidation takes place forming oxide coated particles, mixing about 75–85 parts by weight of said oxide coated metal particles with about 9–19 parts of finely ground zircon and 2–4 parts each of colloidal clay and glass, wetting the mixture to a plastic state, shaping the article, and firing the article to a temperature sufficient to intimately bond the ingredients thereof.

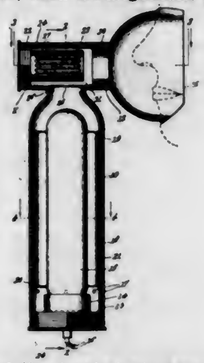
2,241,355
HOSE AND METHOD OF MAKING THE SAME
Andrew D. Maclachlan, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 7, 1939, Serial No. 249,768
7 Claims. (Cl. 154—8)



1. Hose comprising a tubular wall, an annular body of metal of low fusing point within the wall at an end of the hose and spaced from the bore of the hose by non-metallic material, and flexible reinforcing members of metal extending along the hose within said wall and having a portion thereof at least partially embedded in said body of metal.

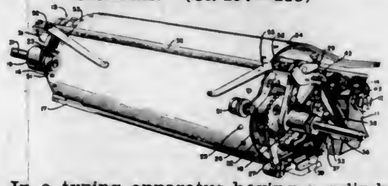
2,241,356
THERMOINHALER
Charles L. Magee, Washington, D. C., assignor of one-half to Chester Le Roy Thomas, Denver, Colo.
Application July 6, 1940, Serial No. 344,275
8 Claims. (Cl. 128—192)

4. In an inhaler, a casing provided with air admitting means, a heating source disposed within said casing in spaced relation thereto, a tube having a port connecting the interior of the tube with the interior of the casing, said port being disposed between and spaced from the ends of the tube, a medicament holding container disposed in one end of the tube in spaced relation thereto and having an open portion in its side wall, said container extending across the port and terminating in spaced relation to one edge of the port to provide a by-pass between the port and the end of the container, said arrangement permitting a



large portion of the heated air issuing from the port to pass around the container in contact with the open portion of the container side wall and a small portion of the heated air being by-passed around the end of the container without coming into contact with the open portion of the container side wall.

2,241,357
PAPER TEAR-OFF DEVICE FOR TYPING APPARATUS
Harold W. Paschke, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application July 17, 1939, Serial No. 284,825
6 Claims. (Cl. 197—133)

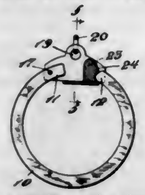


1. In a typing apparatus having a cylindrical platen for supporting paper in type receiving position, a paper tear-off blade extending longitudinally of said platen, pivotally mounted means for supporting said blade, adjustable means for determining several effective positions of said blade longitudinally of the paper and for maintaining said blade while in said several positions in parallelism but out of engagement with said platen, and yieldable means for urging said blade into the several effective positions.

2,241,358
KEY HOLDER
Rene M. Schupbach, Cranston, R. I., assignor to Freeman-Daughaday Company, a corporation of Massachusetts
Application February 24, 1941, Serial No. 380,105
4 Claims. (Cl. 70—459)

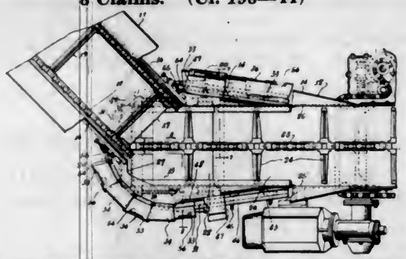
1. A key holder comprising a loop-shaped resilient body with its ends spaced, a channel member having side walls hinged to one of said ends and of a length to receive the other end between its side walls when swung on its hinge toward said other end, a catch between the walls of said

member provided with a recess to receive the end of said body, the location and shaping of said catch and end of the body being such as to



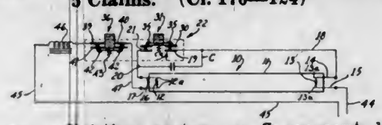
hold the parts together in interfitting engagement, said holding in such position being assisted by spreading the ends of said body when the member is swung on its hinge to closed position.

2,241,359
CONVEYER
Frank Cartlidge, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 31, 1939, Serial No. 265,103
8 Claims. (Cl. 198—44)



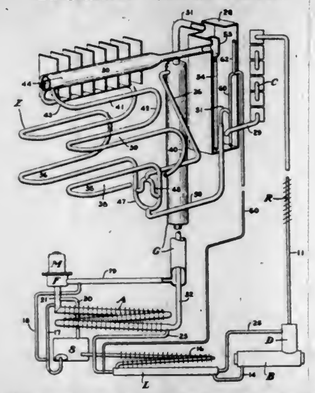
1. In a conveying mechanism, two conveyers, one of which is horizontally swingable with respect to the other and arranged to discharge into the other, a guide extending around the forward end of and along the sides of the receiving conveyer, and a plurality of flexible side walls for closing the gaps between the side walls of said conveyers including a plurality of wall sections pivotally connected together and guided for movement in said guide, said wall sections having pivotal connection with opposite sides of said movable conveyer and each including an upright side terminating into an outwardly and upwardly flared portion, the flared portions of one of said sections overlapping and having wiping engagement with the flared portions of the next adjacent sections.

2,241,360
LIGHTING APPARATUS
Edwin G. Gaynor, Fairfield, Conn., assignor to The Wheeler Insulated Wire Company, Bridgeport, Conn., a corporation of Connecticut
Application June 22, 1939, Serial No. 280,483
5 Claims. (Cl. 176—124)



1. In a lighting system, a fluorescent lamp comprising a tube having filaments spaced therein to form a gap therebetween; means for connecting the filaments to a source of energy capable of maintaining a flow of electrons in said tube across said gap between said filaments upon the tube being rendered conductive; means, including a manually operable switch normally urged to open-circuit position, for connecting the filaments to close the gap between said filaments upon momentary operation of said switch to cause current to flow through said filaments and heat the same to render said tube conductive; and means operable independently of said first-named means, including a manually operable switch normally urged to closed-circuit position, for momentarily disconnecting said filaments from said source of energy to stop the flow of electrons in said tube until said tube has again been rendered conductive by said first named switch.

2,241,361
REFRIGERATION
Alfred G. Gross, Chicago, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 22, 1939, Serial No. 274,869
14 Claims. (Cl. 62—119.5)



1. Refrigerating apparatus comprising a cooling unit including a pair of individual sections, each of said sections being connected to each other and to a common source of supply of cooling medium, and common means for introducing an inert gas into the cooling medium supplied to each of said sections to circulate the cooling medium therethrough by twin gas lift action.

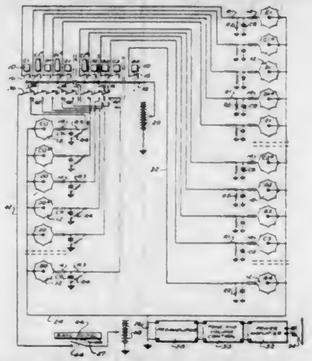
2,241,362
ELECTRON EMISSIVE CATHODE
Daniel S. Gustin, Bloomfield, and George A. Freeman, East Orange, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 1, 1940, Serial No. 321,640
7 Claims. (Cl. 176—126)



4. A high pressure discharge device comprising an enclosing envelope, a pair of electrodes

in said envelope and spaced apart a distance sufficient to initiate and sustain an arc discharge therebetween with a voltage drop during normal operation of approximately 130 volts, at least one of said electrodes comprising a non-activated metal having a high melting and vaporization point and high constant electron-emitting properties sufficient to produce a copious flow of electrons when heated to initiate and sustain an arc discharge at low applied voltage, and a refractory metal of higher work function than said non-activated metal shielding said electron-emissive metal from positive ion bombardment to prevent sputtering of the latter during operation of said device.

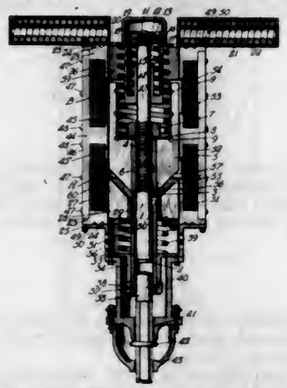
2,241,363
ELECTRICAL MUSICAL INSTRUMENT
Laurens Hammond, Chicago, Ill.
Application July 24, 1940, Serial No. 347,265
14 Claims. (Cl. 84—1.17)



1. In an electrically controlled musical instrument, the combination of a manual having a plurality of depressible keys, a musical tone generating system controlled by said keys, an accompaniment tone generating system, means controlled by the endmost of a plurality of simultaneously depressed keys of said manual to select the pitch of the tone to be produced by said accompaniment tone generating system, a single normally ineffective control element, and means operated by said control element to render said accompaniment tone generating system effective to produce the tone of selected pitch.

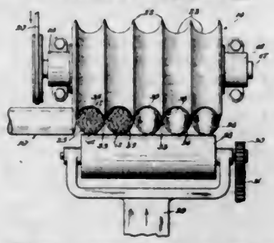
2,241,364
ELECTROMAGNETIC HAMMER
Clinton Horace Hulbert, Venice, Calif.
Application January 22, 1938, Serial No. 186,406
4 Claims. (Cl. 172—126)

1. An electrically operated unit for imparting intermittent reciprocating movements, comprising an outer longitudinal frame member, solenoid and field members mounted within said frame, said solenoid being mounted longitudinally of the frame intermediate the field members, a handle at the upper end, a shaft in the frame coaxial therewith, an armature mounted on said shaft so as to reciprocate therewith, bearing brackets having bearing surfaces therein secured to said frame at each end thereof, a tube slidably supported in the lower bearing bracket coaxial with the frame, a buffer armature secured to said tube adjacent the lower field member so as to form therewith a continuation of the magnetic circuit and having a recess therein for engagement with the armature, a spring means positioned between said buffer armature and lower bearing bracket urging said baffle armature upwardly towards the limit of its movement, whereby the buffer armature may regulate the length of the stroke of the



reciprocating member, aid in absorbing the impact between armature members, and present a large surface area between the cooperating magnetic parts to provide an increased attractive force.

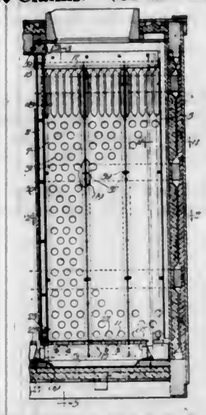
2,241,365
CURVED SURFACE LIGHT REFLECTING ORNAMENT
Maximilian C. Meyer, Brooklyn, N. Y.
Application June 12, 1940, Serial No. 340,157
21 Claims. (Cl. 18—48)



1. An object comprising a colored plastic having a relatively high light transmitting characteristic, said object having light reflecting lamellae distributed therein, said light reflecting lamellae being aligned in said plastic in a predetermined direction and uniform manner, said object having an exposed curved surface that is generally convex, said exposed surface comprising a first curved surface portion and a second curved surface portion, said first surface portion extending generally parallel to the direction of alignment of said light reflecting lamellae so that light is reflected from said light reflecting lamellae through said first surface portion, the curvature of said first surface portion being such that upon viewing said first curved surface portion light appears to be reflected therethrough from said light reflecting lamellae more strongly from one area thereof than from the remaining areas thereof so as to produce a cat's eye effect, said second curved surface portion being inclined with respect to the direction of alignment of said light reflecting lamellae so that the light reflected therethrough is negligible relative to the light reflected through said first surface portion, said first surface portion and said second surface portion being contiguous and merging in the form of a continuous curvature.

15. A plastic object having a predetermined degree of light transmitting quality and having faceted light reflecting particles distributed therein, said light reflecting particles being aligned in a predetermined direction therein, said plastic object having an exterior surface curved with respect to at least two different axial directions, said exterior surface having at least one curved exposed surface portion extending generally parallel to the direction of alignment of said particles so that light is strongly reflected therethrough and at least one curved exposed surface portion inclined to the direction of alignment of said particles so that light reflected therethrough is negligible relative to the light reflected through said first surface portion, said first mentioned curved surface portion merging gradually into said second curved surface portion.

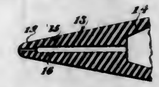
2,241,366
REFRIGERATOR CAR CONSTRUCTION
Arthur F. O'Connor, Chicago, and George A. Hull, Highland Park, Ill., assignors to Union Asbestos and Rubber Company, Chicago, Ill., a corporation of Illinois
Application January 25, 1940, Serial No. 315,466
10 Claims. (Cl. 62—19)



1. In a refrigerator car having a side wall, an end wall, an ice bunker adjacent the end wall, a lading compartment adjacent the bunker, a vertical bulkhead extending transversely of the car and separating said bunker from said compartment, the inner surface of said side wall being outwardly offset intermediate said bulkhead and said end wall, a metallic sheet in parallel spaced relationship with the offset portion of the side wall and extending in a substantially common plane with the inner surface of the lading compartment side wall, a member intermediate said offset portion and said sheet having engagement with said sheet and having backing engagement with said offset portion adapted to maintain a predetermined spacing between said offset portion and said sheet.

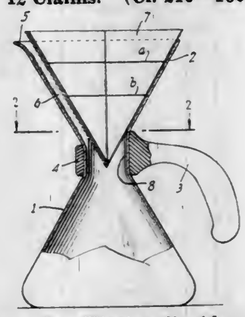
2,241,367
WEED GUARD
Austin O. Sarff, Walker, Minn.
Application May 24, 1939, Serial No. 275,515
1 Claim. (Cl. 43—38)

A guard of the class described comprising a cone-like body formed of flexible material and having a rearward skirt portion adapted to overhang and shield the knots, eyes and the like of sinkers, hooks and the like carried by a fishing line, said body having a longitudinally extending line-receiving aperture, the outer end of the aperture being reduced in diameter at the apex



of the cone-like body to provide an expansible apex to permit a fishing line to be threaded therethrough, the expansible apex being automatically contractible to snugly grip a fishing line as the line passes through the apex with an elastic-like grip for holding the guard in a set position upon the line.

2,241,368
FILTERING DEVICE
Peter Schlumbohm, New York, N. Y., assignor of one-half to Isaac Harter, Akron, Ohio
Application April 13, 1939, Serial No. 267,561
In Germany April 13, 1938
12 Claims. (Cl. 210—160)

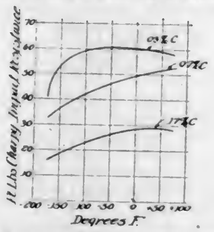


1. A device for filtering liquids under hydrostatic pressure through a paper filter cone, comprising a vessel including a generally conical bottom compartment communicating with a generally conical top compartment, said two compartments being integral with each other with their small ends adjacent each other and the axes of said compartments in substantially vertical alignment, the opening between said two compartments being large enough to permit passage therethrough of a cleaning instrument, the wall of said top compartment having an inside groove extending from the top thereof to the bottom thereof so as to maintain communication between the bottom compartment and the atmosphere to permit the escape of air displaced by filtrate falling into the bottom compartment, said groove also functioning as a pouring spout when the device is tilted, the walls of said bottom compartment adjacent the said opening between the two compartments extending regularly outwardly and downwardly.

2,241,369
LOW TEMPERATURE IMPACT RESISTANT STEEL
Nicholas A. Ziegler and Homer W. Northrup, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois
Application March 7, 1940, Serial No. 322,658
2 Claims. (Cl. 148—31)

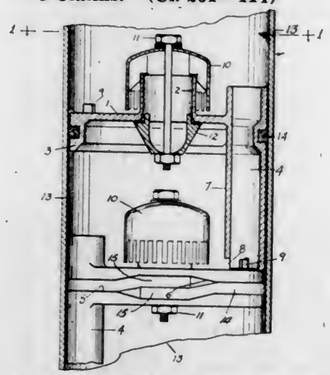
1. A cast low alloy steel which is characterized by low temperature impact resistance comprising substantially the components nickel 3.5 to 4.0%,

silicon 0.2 to 0.4%, manganese 0.5 to 0.8%, carbon from a trace to 0.07%, sulphur up to 0.03%, phosphorus up to 0.02% and commercially pure iron the remainder, the said alloy steel being produced in a highly deoxidized state and thereafter given a first normalizing treatment at about



1750° F. and cooled to room temperature, a second normalizing treatment at about 1750° F. and cooled to room temperature, an air quenching treatment at about 1550° F. and cooled to room temperature and a drawing treatment at about 1200 F. and cooled to room temperature.

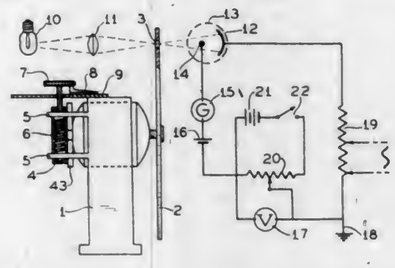
2,241,370
BUBBLE TRAY
Benjamin F. Armstrong, Kew Gardens, N. Y.
Application August 12, 1937, Serial No. 158,681
5 Claims. (Cl. 261—114)



1. In a bubble tower, a plurality of interchangeable and replaceable bubble trays, each tray comprising a cylindrical surface of a diameter to substantially fit into the bubble tower, packing between said surface and the wall of the tower, a liquid down-spout, means to rigidly secure the down-spout to the tray, said down-spout being formed with a curvilinear surface conforming to the inner surface of the tower and coacting means carried, respectively, by the end of the down-spout and the tray whereby relative movement of successive trays is prevented and the spacing of the trays is assured.

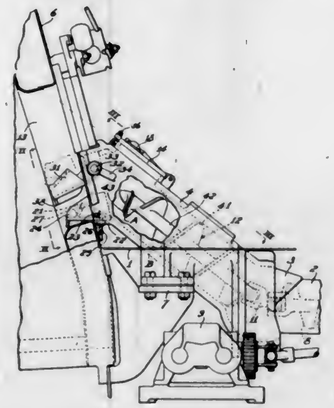
2,241,371
METHOD AND APPARATUS FOR DETERMINING THE WAVE FORM OF A PERIODIC ELECTRICAL IMPULSE
Walter S. Huxford, Evanston, Ill., assignor, by mesne assignments, to Standard Oil Development Company, Linden, N. J., a corporation of Delaware
Application March 25, 1938, Serial No. 198,153
6 Claims. (Cl. 175—183)

1. A method for determining the wave form of a periodic electrical impulse which comprises exposing an element capable of emitting electrons under the influence of light to a flash of light at a selected point on the wave of the impulse, simultaneously impressing on the light sensitive element a potential corresponding to that of the impulse at the point on its wave at which the



light flash occurs, exhibiting the current resulting from the impression of said potential on said light sensitive element, and repeating the aforesaid series of steps, while selecting a different point on the wave of the impulse for the light flash each time, until enough points have been determined to identify the wave form.

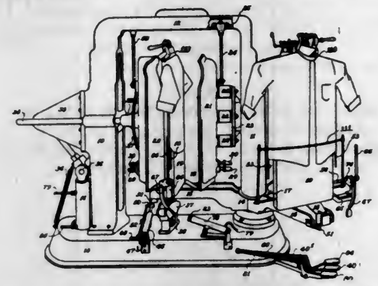
2,241,372
LOCOMOTIVE STOKER
Samuel G. Jones, Princess Anne County, Va., assignor to Berkley Machine Works and Foundry Company, Inc., Norfolk, Va., a corporation of Virginia
Application October 2, 1939, Serial No. 297,428
8 Claims. (Cl. 110—105.5)



1. A locomotive stoker riser conveyor screw for use in an inclined riser conduit having an enlarged upper portion, said screw being adapted to raise coal through the conduit to a jet member at its upper end, the screw comprising a hub, a conveyor thread encircling the hub for the major portion of its length and terminating short of its delivery end, and a reverse thread mounted on the hub at its tip portion between its delivery end and the adjacent end of said conveyor thread, said reverse thread being adapted to be disposed in the enlarged upper portion of the riser conduit, whereby the screw is adapted to deliver coal substantially uniformly on both sides of the screw.

2,241,373
GARMENT PRESSING MACHINE
George H. Rawlinson and Richard A. Rawlinson, Portland, Oreg.
Application August 5, 1938, Serial No. 223,257
16 Claims. (Cl. 223—57)

1. In a garment pressing machine, a carriage rotatable on a vertical axis, a plurality of upright bucks mounted on said rotatable carriage, a pair of upright pressing jaws supported above said carriage and located, respectively, inside of and outside of the circular path of said bucks, whereby, upon the rotation of said carriage, said bucks will be brought serially into position between said pressing jaws, means for locking said carriage against further rotation when one of said bucks has been brought into said position,

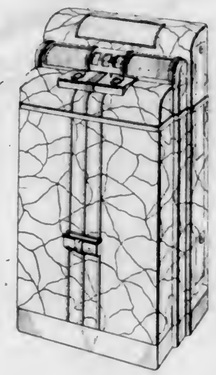


and means for bringing said jaws and said positioned buck into pressing relationship.

DESIGNS

MAY 6, 1941

126,962
DESIGN FOR A VENDING MACHINE
Ardon A. Bradt, Niagara Falls, N. Y.
Application August 12, 1940, Serial No. 94,376
Term of patent 7 years



The ornamental design for a vending machine, as shown and described.

126,963
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application February 20, 1941, Serial No. 99,130
Term of patent 7 years



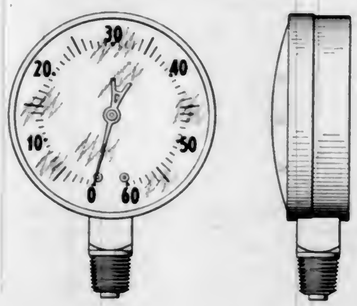
The ornamental design for a textile fabric, substantially as shown.

126,964
DESIGN FOR A COMBINED GAS STORAGE TANK AND INSTRUMENT HOUSING
Edward H. Gill, Memphis, Tenn., assignor to J. T. Gregory, Little Rock, Ark.
Application January 20, 1940, Serial No. 89,609
Term of patent 3½ years



The ornamental design for a combined gas storage tank and instrument housing, as shown.

126,965
DESIGN FOR A GAUGE OR SIMILAR ARTICLE
Carl H. Graesser, Southport, and Joseph V. Tracy, Fairfield, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application June 6, 1940, Serial No. 92,852
Term of patent 14 years



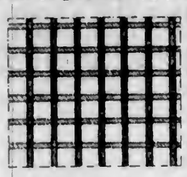
The ornamental design for a gauge or similar article, substantially as shown.

126,966
DESIGN FOR A COMBINED HYDROMETER AND SLEEVE SCALE
John Z. Hoyer, Conshohocken, Pa., assignor to Kimble Glass Company, Vineland, N. J., a corporation of Illinois
Application February 7, 1940, Serial No. 90,103
Term of patent 14 years



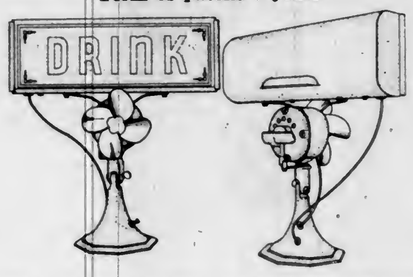
The ornamental design for a combined hydrometer and sleeve scale, substantially as shown and described.

126,967
DESIGN FOR A TEXTILE FABRIC
Gilbert J. Rhodes, New York, N. Y.
Application October 25, 1940, Serial No. 96,079
Term of patent 3½ years



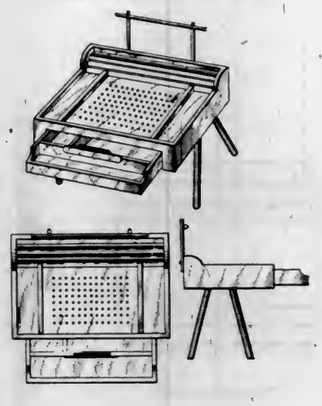
The ornamental design for a textile fabric, substantially as shown.

126,968
DESIGN FOR AN ADVERTISING SIGN
Gertrude I. Shepherd, Portland, Oreg.
Application January 6, 1941, Serial No. 97,831
Term of patent 7 years



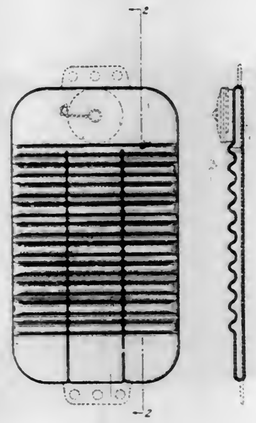
The ornamental design for an advertising sign, as shown.

126,969
DESIGN FOR AN EDUCATIONAL DESK
Henry S. Wilson, Brooklyn, N. Y.
Application January 24, 1941, Serial No. 98,357
Term of patent 14 years



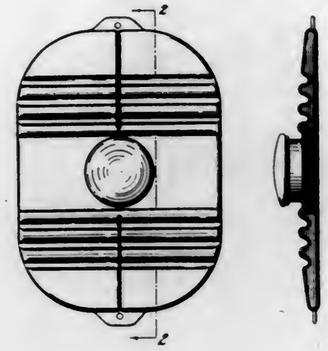
The ornamental design for an educational desk, as shown.

126,970
DESIGN FOR A COMBINATION WATER BOTTLE AND ICE BAG OR SIMILAR ARTICLE
Raymond W. Albright, Akron, Ohio, assignor to American Anode Inc., Akron, Ohio, a corporation of Delaware
Application October 31, 1940, Serial No. 96,241
Term of patent 14 years



The ornamental design for a combination water bottle and ice bag or similar article, as shown and described.

126,971
DESIGN FOR A COMBINATION WATER AND ICE BAG OR SIMILAR ARTICLE
Raymond W. Albright, Akron, Ohio, assignor to American Anode Inc., Akron, Ohio, a corporation of Delaware
Application October 31, 1940, Serial No. 96,242
Term of patent 14 years



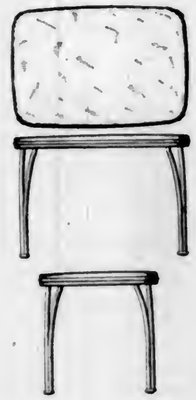
The ornamental design for a combination water and ice bag or similar article, as shown and described.

126,972
DESIGN FOR A SOCK
Favorina Avandoglio, New York, N. Y.
Application March 8, 1941, Serial No. 99,438
Term of patent 7 years



The ornamental design for a sock, substantially as shown and described.

126,973
DESIGN FOR A TABLE
Earl C. Booth, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application March 27, 1941, Serial No. 99,922
Term of patent 7 years



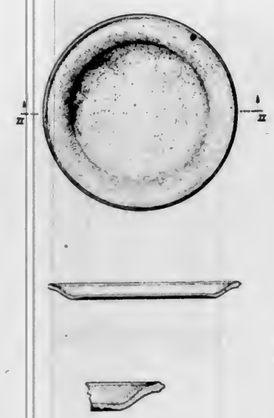
The ornamental design for a table, as shown.

126,974
DESIGN FOR A BOTTLE
Irving W. Crull, Geneva, Ill.
Application January 24, 1941, Serial No. 98,372
Term of patent 14 years



The ornamental design for a bottle, substantially as shown.

126,975
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Isobel Darrow, Los Angeles, Calif., assignor to Pacific Clay Products, Los Angeles, Calif., a corporation of California
Application May 1, 1940, Serial No. 92,072
Term of patent 14 years



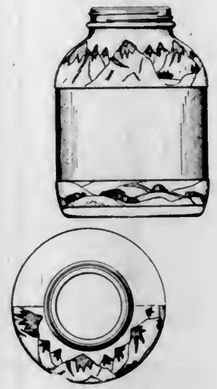
The ornamental design for a plate or similar article, substantially as shown.

126,976
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Isobel Darrow, Los Angeles, Calif., assignor to Pacific Clay Products, Los Angeles, Calif., a corporation of California
Application May 1, 1940, Serial No. 92,073
Term of patent 14 years



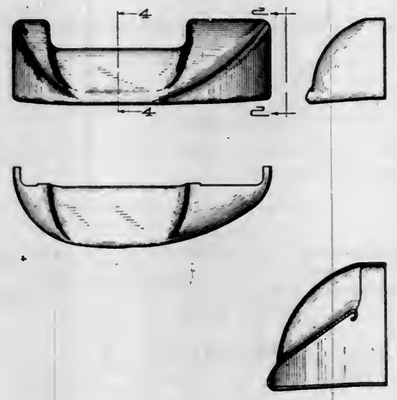
The ornamental design for a plate or similar article, substantially as shown.

126,977
DESIGN FOR A JAR
Harold M. Gehm, Alton, Ill.
Application March 24, 1941, Serial No. 99,815
Term of patent 3½ years



The ornamental design for a jar, substantially as shown and described.

126,978
DESIGN FOR A WRINGER FEEDBOARD
Andrew H. Gerhardt, Niles Center, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application January 27, 1941, Serial No. 98,406
Term of patent 14 years



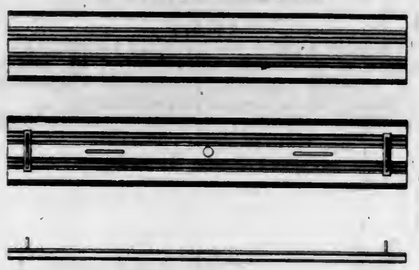
The ornamental design for a wringer feedboard, substantially as shown.

126,979
DESIGN FOR A BOTTLE STOPPER
George Grunberg, New York, N. Y., assignor to The G. G. Patent Company, Cincinnati, Ohio, a corporation of Ohio
Application December 4, 1940, Serial No. 97,071
Term of patent 7 years



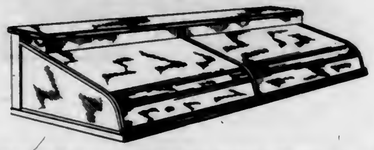
The ornamental design for a bottle stopper, substantially as shown.

126,980
DESIGN FOR A LIGHT DIFFUSER
Edwin F. Guth, St. Louis, Mo.
Application February 4, 1941, Serial No. 98,716
Term of patent 14 years



The ornamental design for a light diffuser, substantially as shown.

126,981
DESIGN FOR A DISPLAY CASE OR THE LIKE
Parker H. James, Indianapolis, Ind.
Application February 6, 1941, Serial No. 98,792
Term of patent 14 years



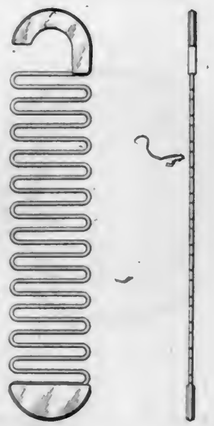
The ornamental design for a display case or the like, substantially as shown and described.

126,982
DESIGN FOR A BROOCH PIN
Florence N. Lewis, New York, N. Y.
Application March 15, 1941, Serial No. 99,624
Term of patent 7 years



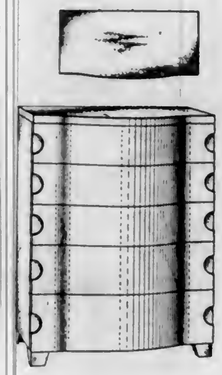
The ornamental design for a brooch pin, as shown.

126,983
DESIGN FOR A TIE RACK
Frank A. Lisi, Philadelphia, Pa.
Application February 15, 1941, Serial No. 99,018
Term of patent 14 years



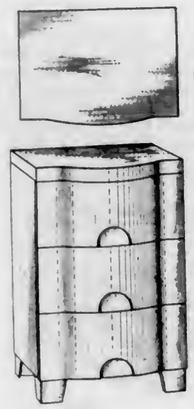
The ornamental design for a tie rack, substantially as shown.

126,984
DESIGN FOR A CHEST OF DRAWERS OR SIMILAR ARTICLE
Edwill B. Miller, Red Lion, Pa.
Application March 20, 1941, Serial No. 99,749
Term of patent 7 years



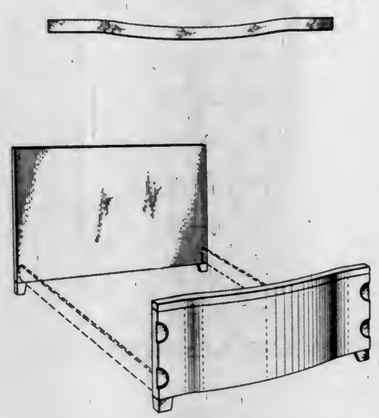
The ornamental design for a chest of drawers or similar article, substantially as shown.

126,985
DESIGN FOR A CHEST OF DRAWERS OR SIMILAR ARTICLE
Edwill B. Miller, Red Lion, Pa.
Application March 20, 1941, Serial No. 99,750
Term of patent 7 years



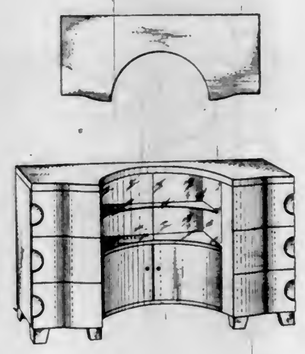
The ornamental design for a chest of drawers or similar article, substantially as shown.

126,986
DESIGN FOR A BEDSTEAD OR SIMILAR ARTICLE
Edwill B. Miller, Red Lion, Pa.
Application March 20, 1941, Serial No. 99,751
Term of patent 7 years



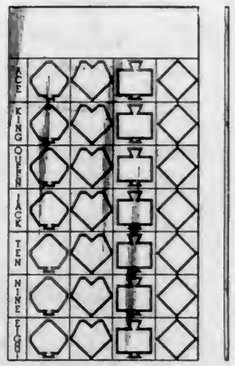
The ornamental design for a bedstead or similar article, substantially as shown.

126,987
DESIGN FOR A VANITY BODY OR SIMILAR ARTICLE
Edwill B. Miller, Red Lion, Pa.
Application March 20, 1941, Serial No. 99,752
Term of patent 7 years



The ornamental design for a vanity body of similar article, substantially as shown.

126,988
DESIGN FOR A GAME BOARD
Frank Emil Olson, Roselle Park, N. J.
Application December 19, 1940, Serial No. 97,467
Term of patent 3½ years



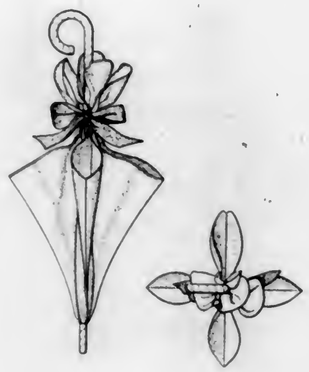
The ornamental design for a game board, as shown.

126,989
DESIGN FOR A CONVEYER
Gerald C. Paxton, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application March 4, 1940, Serial No. 90,649
Term of patent 14 years



The ornamental design for a conveyer, as shown.

126,990
DESIGN FOR A FAVOR
Nell Roberts, Cuyahoga Falls, Ohio
Application September 18, 1940, Serial No. 95,183
Term of patent 14 years



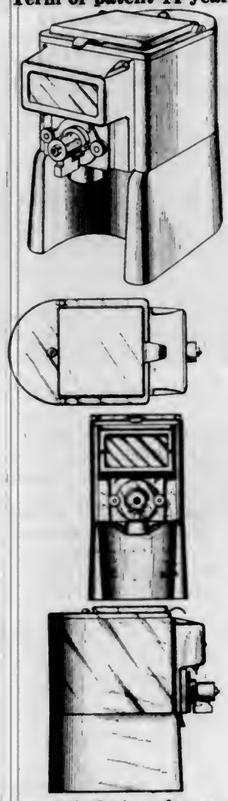
The ornamental design for a favor, substantially as shown.

126,991
DESIGN FOR A BOTTLE
Herbert Rubin, Brooklyn, N. Y.
Application January 23, 1941, Serial No. 98,310
Term of patent 3½ years



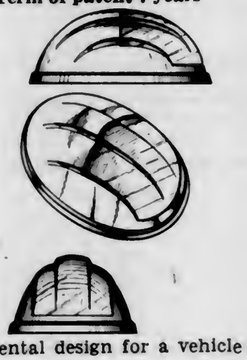
The ornamental design for a bottle, substantially as shown.

126,992
DESIGN FOR A COFFEE GRINDER
Richard L. Schuhmann, Louisville, Ky.
Application March 7, 1941, Serial No. 99,400
Term of patent 14 years



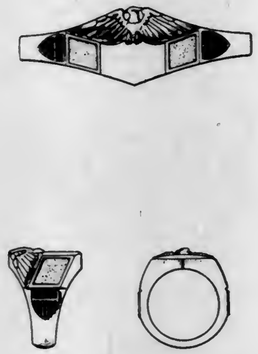
The ornamental design for a coffee grinder, substantially as shown.

126,993
DESIGN FOR A VEHICLE LAMP
Wagn Trautner, Springdale, Ohio, assignor to The K-D Lamp Company, Cincinnati, Ohio, a corporation of Ohio
Application April 15, 1940, Serial No. 91,691
Term of patent 7 years



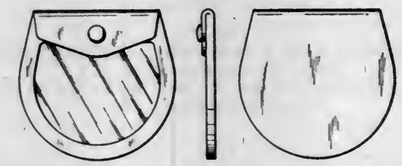
The ornamental design for a vehicle lamp, as shown.

126,994
DESIGN FOR A FINGER RING
Charles Clark Weston, South Gate, Calif., assignor to Fred Markman, Los Angeles, Calif.
Application November 20, 1940, Serial No. 96,713
Term of patent 3½ years



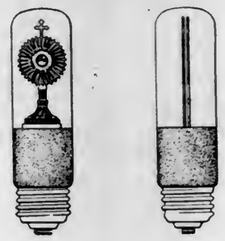
The ornamental design for a finger ring, as shown.

126,995
DESIGN FOR A COIN PURSE
Denver M. Wright, Brentwood, Mo.
Application August 22, 1940, Serial No. 94,556
Term of patent 3½ years



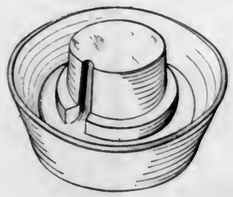
The ornamental design for a coin purse, substantially as shown.

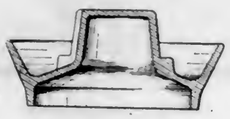
126,996
DESIGN FOR AN ELECTRIC GLOW LAMP
Harry C. Zaun, Atlantic Beach, N. Y.
Application August 2, 1940, Serial No. 94,147
Term of patent 14 years



The ornamental design for an electric glow lamp, as shown and described.

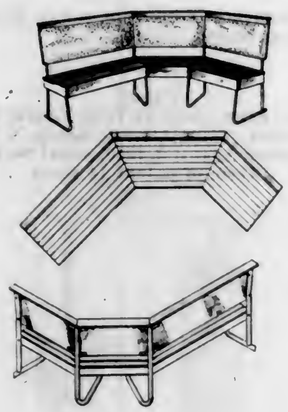
126,997
DESIGN FOR A BASE FOR POULTRY FOUNT AND FEEDER
Max T. Bentzen and Jacob F. Niggeler, Minneapolis, Minn.
Application February 7, 1941, Serial No. 98,810
Term of patent 14 years





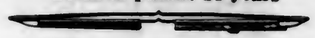
The ornamental design for a base for poultry fount and feeder, as shown.

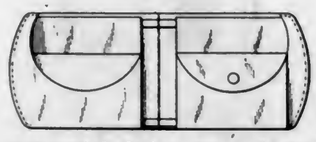
126,998
DESIGN FOR A BOWLING ALLEY BENCH
Albert Bersin, Brooklyn, N. Y.
Application October 29, 1940, Serial No. 96,163
Term of patent 7 years



The ornamental design for a bowling alley bench, as shown.

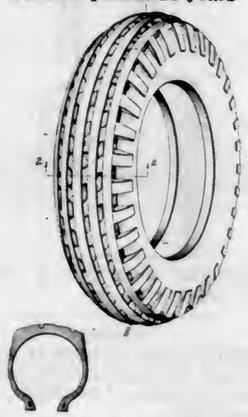
126,999
DESIGN FOR A FLEXIBLE POCKET RECEPTACLE
Douglas J. Broughton, Springfield, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a corporation of Massachusetts
Application September 21, 1940, Serial No. 95,259
Term of patent 14 years





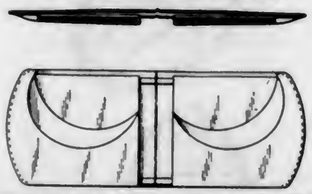
The ornamental design for a flexible pocket receptacle, substantially as shown and described.

127,000
DESIGN FOR A TIRE
Elmer F. Brunner, Silver Lake, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application January 29, 1941, Serial No. 98,496
Term of patent 14 years



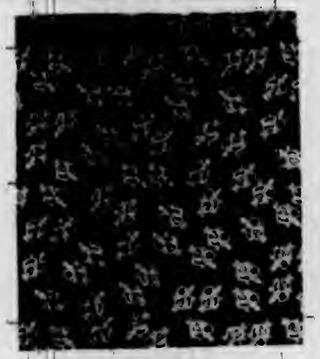
The ornamental design for a tire, as shown.

127,001
DESIGN FOR A FLEXIBLE POCKET RECEPTACLE
Warner R. Buxton, Longmeadow, Mass.
Application September 21, 1940, Serial No. 95,258
Term of patent 14 years



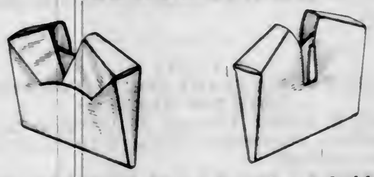
The ornamental design for a flexible pocket receptacle, substantially as shown and described.

127,002
DESIGN FOR A TEXTILE FABRIC
Rose Faller, New York, N. Y.
Application March 20, 1941, Serial No. 99,725
Term of patent 3½ years



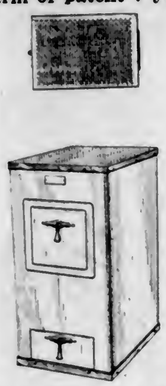
The ornamental design for a textile fabric, as shown and described.

127,003
DESIGN FOR A BRUSH HOLDER
Rene Xavier Gibo, Frederick, Md., assignor to Ox Fibre Brush Company, Inc., New York, N. Y., a corporation of Delaware
Application February 21, 1941, Serial No. 99,154
Term of patent 14 years



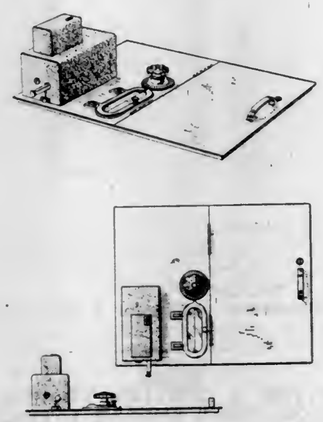
The ornamental design for a brush holder, as shown.

127,004
DESIGN FOR AN INCINERATOR
John W. Hebert, Bay City, Mich.
Application June 3, 1940, Serial No. 92,790
Term of patent 7 years



The ornamental design for an incinerator, as shown and desired.

127,005
DESIGN FOR A VENDING MACHINE COVER
Charles A. Melchert, Kansas City, Mo., assignor to General Vender Mfg. Co., Kansas City, Mo., a corporation of Missouri
Application January 11, 1941, Serial No. 97,987
Term of patent 14 years



The ornamental design for a vending machine cover, as shown.

127,006
DESIGN FOR A PIN OR SIMILAR ARTICLE
Jack Ruderman, New York, N. Y.
Application February 15, 1941, Serial No. 99,021
Term of patent 3½ years



The ornamental design for a pin or similar article substantially as shown.

127,007
DESIGN FOR A WINE BOTTLE
Ronald H. Dallas, South Gate, Calif., assignor to Glass Containers, Inc., Los Angeles, Calif., a corporation of California
Application December 16, 1940, Serial No. 97,358
Term of patent 7 years



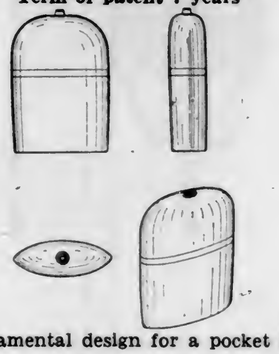
The ornamental design for a wine bottle, as shown.

127,008
DESIGN FOR A JEWELRY FINDING FOR CLIPS OR OTHER SIMILAR ARTICLES OF JEWELRY
Albert Freedman, Brooklyn, N. Y.
Application March 3, 1941, Serial No. 99,317
Term of patent 14 years



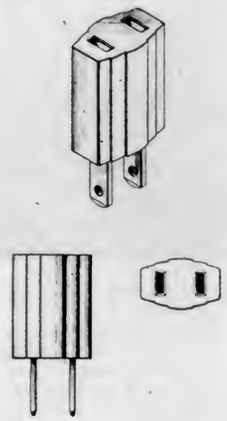
The ornamental design for a jewelry finding for clips or other similar articles of jewelry, as shown.

127,009
DESIGN FOR A POCKET FLASK
Lee Gebhart, Coral Gables, Fla., and Howard L. Ross, New York, N. Y.
Application March 3, 1941, Serial No. 99,336
Term of patent 7 years



The ornamental design for a pocket flask, as shown.

127,010
DESIGN FOR A CONNECTOR PLUG
Carl H. Judisch, New Haven, Conn., assignor to The Whitney Blake Company, New Haven, Conn., a corporation of Connecticut
Application December 23, 1940, Serial No. 97,566
Term of patent 14 years



The ornamental design for a connector plug, as shown.

127,011
DESIGN FOR A FLAME SHIELD FOR COOK STOVE TOP BURNERS
Claude E. Parker, Chicago, Ill., assignor to Gas Products Corporation, Chicago, Ill., a corporation of Illinois
Application August 3, 1940, Serial No. 94,204
Term of patent 7 years



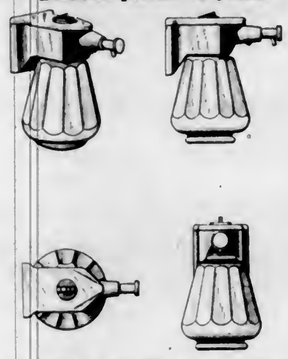
The ornamental design for a flame shield for cook stove top burners, substantially as shown.

127,012
DESIGN FOR A BUTTON BACK
Jack Schneck, New York, N. Y., assignor to National Button Works, New York, N. Y., a partnership composed of Jack Schneck and Paul Herber
Application October 2, 1940, Serial No. 95,555
Term of patent 3½ years



The ornamental design for a button back, as shown.

127,013
DESIGN FOR A LIQUID SOAP DISPENSER
Arthur L. Bobrick, Los Angeles, Calif.
Application September 16, 1940, Serial No. 95,092
Term of patent 14 years



The ornamental design for a liquid soap dispenser, as shown.

127,014
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application April 8, 1941, Serial No. 100,247
Term of patent 3½ years



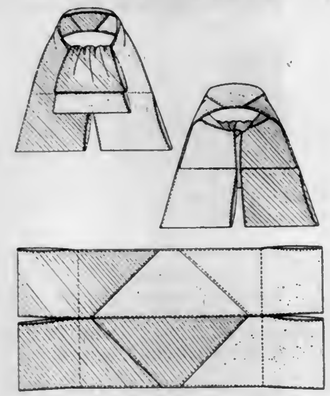
The ornamental design for a pin or similar article, substantially as shown.

127,015
DESIGN FOR A PIN OR SIMILAR ARTICLE
Marcel Boucher, New York, N. Y.
Application April 8, 1941, Serial No. 100,248
Term of patent 3½ years



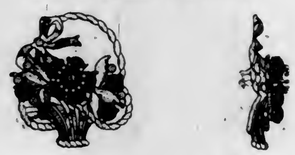
The ornamental design for a pin or similar article, substantially as shown.

127,016
DESIGN FOR A SCARF OR SIMILAR ARTICLE
Katharine E. Boyd, New York, N. Y.
Application February 27, 1941, Serial No. 99,241
Term of patent 7 years



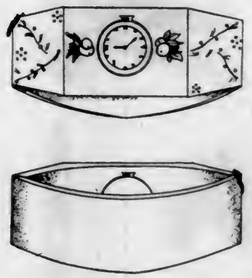
The ornamental design for a scarf or similar article, substantially as shown.

127,017
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gildo Capellazzi, Brooklyn, N. Y.
Application April 5, 1941, Serial No. 100,165
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

127,018
DESIGN FOR A COMBINATION BRACELET AND WATCH OR SIMILAR ARTICLE
Abraham Fingerhut, New York, N. Y.
Application April 3, 1941, Serial No. 100,108
Term of patent 3½ years



The ornamental design for a combination bracelet and watch or similar article, substantially as shown.

127,019
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Max Forman, Atlantic City, N. J.
Application March 31, 1941, Serial No. 100,013
Term of patent 3½ years



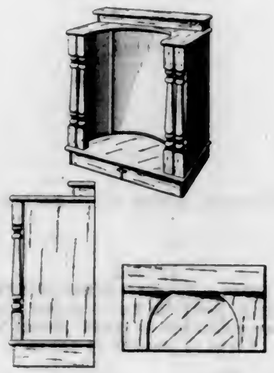
The ornamental design for a brooch or similar article, as shown.

127,020
DESIGN FOR A DRESS
Eleanor Hill, New York, N. Y.
Application April 2, 1941, Serial No. 100,089
Term of patent 3½ years



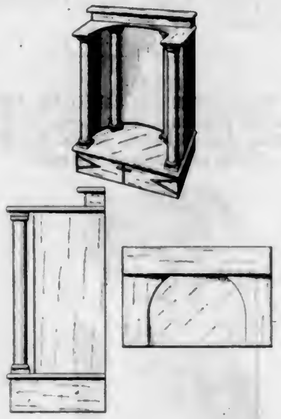
The ornamental design for a dress, as shown.

127,021
DESIGN FOR A PRAYER DESK OR SIMILAR ARTICLE
Blanche E. Krecker, Philadelphia, Pa.
Application September 23, 1940, Serial No. 95,283
Term of patent 14 years



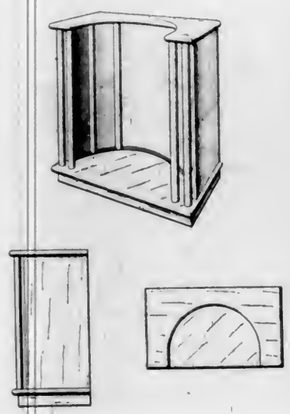
The ornamental design for a prayer desk or similar article, as shown.

127,022
DESIGN FOR A PRAYER DESK OR SIMILAR ARTICLE
Blanche E. Krecker, Philadelphia, Pa.
Application September 23, 1940, Serial No. 95,284
Term of patent 14 years



The ornamental design for a prayer desk or similar article, as shown.

127,023
DESIGN FOR A PRAYER DESK OR SIMILAR ARTICLE
Blanche E. Krecker, Philadelphia, Pa.
Application September 23, 1940, Serial No. 95,285
Term of patent 14 years



The ornamental design for a prayer desk or similar article, as shown.

127,024
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application April 1, 1941, Serial No. 100,053
Term of patent 3½ years



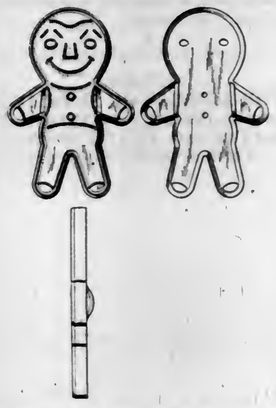
The ornamental design for a dress, substantially as shown.

127,025
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application April 1, 1941, Serial No. 100,054
Term of patent 3½ years



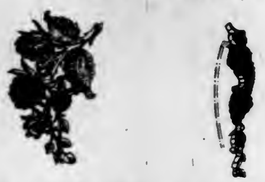
The ornamental design for a dress, substantially as shown.

127,026
DESIGN FOR A COOKY CUTTER
Fred E. Miller and Mollie Miller, Enid, Okla.
Application December 7, 1940, Serial No. 97,153
Term of patent 14 years



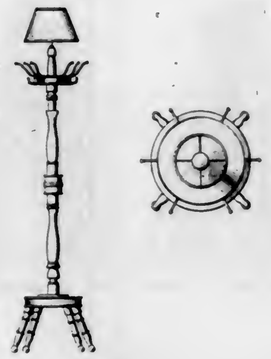
The ornamental design for a cooky cutter, as shown.

127,027
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application April 1, 1941, Serial No. 100,067
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

127,028
DESIGN FOR A COMBINED CLOTHES STAND AND LAMP
Max Warren, Anna, Ill.
Application February 15, 1941, Serial No. 99,024
Term of patent 7 years



The ornamental design for a combined clothes stand and lamp, as shown.

127,029
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application February 10, 1941, Serial No. 98,881
Term of patent 3½ years



The ornamental design for a dress or similar article, as shown and described.

127,030
DESIGN FOR A COMBINED MAGNIFYING AND ILLUMINATING DEVICE
Carl W. Bettcher, New Haven, Conn., assignor to The Eastern Machine Screw Corporation, New Haven, Conn., a corporation of Connecticut
Application March 10, 1941, Serial No. 99,486
Term of patent 7 years



The ornamental design for a combined magnifying and illuminating device, as shown and described.

127,031
DESIGN FOR A SHOE
George H. Bingham, Jr., Cambridge, Mass., assignor to Cambridge Rubber Co., Cambridge, Mass., a corporation of Massachusetts
Application October 19, 1940, Serial No. 95,930
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown and described.

127,032
DESIGN FOR A DRESS
Adelé Brody, Dorchester, Mass., assignor to Murray White Company, Boston, Mass., a corporation of Massachusetts
Application October 31, 1939, Serial No. 87,950
Term of patent 3½ years



The ornamental design for a dress, as shown and described.

127,033
DESIGN FOR A DRESS
Harry Finer, Wilmington, Mass.
Application March 20, 1941, Serial No. 99,729
Term of patent 3½ years



The ornamental design for a dress, as shown, and described.

127,034
DESIGN FOR A DRESS
Sylvia Fisher, New York, N. Y.
Application March 28, 1941, Serial No. 99,958
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,035
DESIGN FOR A DRESS
Herbert M. Harris, New York, N. Y.
Application March 19, 1941, Serial No. 99,682
Term of patent 3½ years



The ornamental design for a dress, as shown and described.

127,036
DESIGN FOR A DRESS
Concetta Jaccarino, Brooklyn, N. Y.
Application April 1, 1941, Serial No. 100,049
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,037
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application April 1, 1941, Serial No. 100,050
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,038
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application April 1, 1941, Serial No. 100,052
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,039
DESIGN FOR A NEEDLEPOINT TAPESTRY FABRIC OR SIMILAR ARTICLE
Hazel M. O'Brien, Darien, Conn., assignor to Bernhard Ulmann Co. Inc., New York, N. Y., a corporation of New York
Application March 5, 1941, Serial No. 99,355
Term of patent 7 years



The ornamental design for a needlepoint tapestry fabric or similar article, substantially as shown.

127,040
DESIGN FOR A NEEDLEPOINT TAPESTRY FABRIC OR SIMILAR ARTICLE
Hazel M. O'Brien, Darien, Conn., assignor to Bernhard Ulmann Co. Inc., New York, N. Y., a corporation of New York
Application March 5, 1941, Serial No. 99,356
Term of patent 7 years



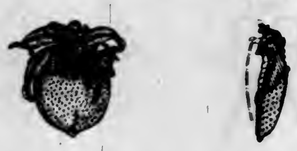
The ornamental design for a needlepoint tapestry fabric or similar article, substantially as shown.

127,041
DESIGN FOR A NEEDLEPOINT TAPESTRY FABRIC OR SIMILAR ARTICLE
Hazel M. O'Brien, Darien, Conn., assignor to Bernhard Ulmann Co. Inc., New York, N. Y., a corporation of New York
Application March 5, 1941, Serial No. 99,357
Term of patent 7 years



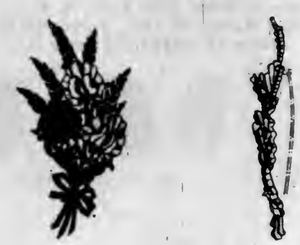
The ornamental design for a needlepoint tapestry fabric or similar article, substantially as shown.

127,042
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application April 1, 1941, Serial No. 100,065
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

127,043
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application April 1, 1941, Serial No. 100,068
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

127,044
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application January 21, 1941, Serial No. 98,221
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

127,045
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application March 18, 1941, Serial No. 99,661
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,046
DESIGN FOR A DRESS
Henry Wein, New York, N. Y.
Application March 28, 1941, Serial No. 99,957
Term of patent 3½ years



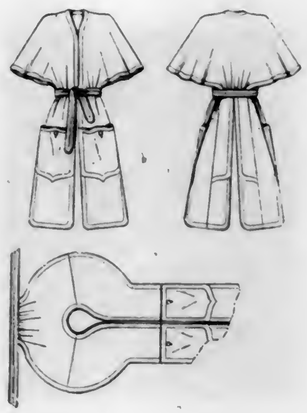
The ornamental design for a dress, as shown.

127,047
DESIGN FOR A SLIP
Semon Wolf, New York, N. Y.
Application January 16, 1941, Serial No. 98,114
Term of patent 3½ years



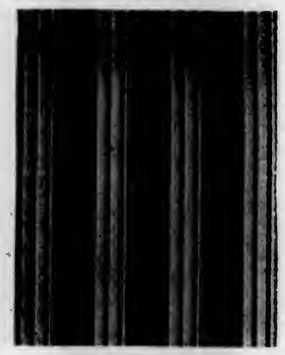
The ornamental design for a slip, substantially as shown and described.

127,048
DESIGN FOR A CAPE
Bonnie Cashin, New York, N. Y.
Application March 31, 1941, Serial No. 100,024
Term of patent 3½ years



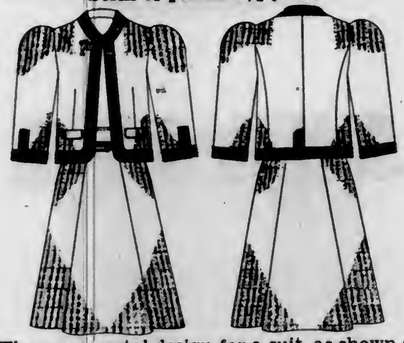
The ornamental design for a cape, substantially as shown.

127,049
DESIGN FOR A TEXTILE FABRIC
Arthur Eichler, New York, N. Y.
Application March 12, 1941, Serial No. 99,518
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

127,050
DESIGN FOR A SUIT
Virginia Gray, St. Louis, Mo.
Application February 19, 1941, Serial No. 99,109
Term of patent 3½ years



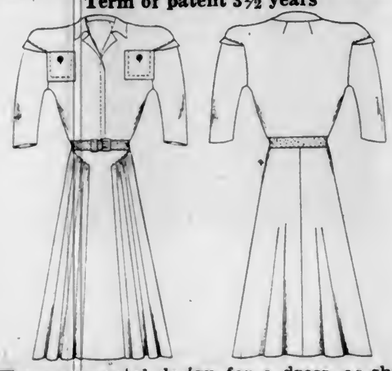
The ornamental design for a suit, as shown and described.

127,051
DESIGN FOR A DRESS
Eleanor Hill, New York, N. Y.
Application April 2, 1941, Serial No. 100,084
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,052
DESIGN FOR A DRESS
Eleanor Hill, New York, N. Y.
Application April 2, 1941, Serial No. 100,085
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,053
DESIGN FOR A DRESS
Eleanor Hill, New York, N. Y.
Application April 2, 1941, Serial No. 100,086
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,054
DESIGN FOR A DRESS
Eleanor Hill, New York, N. Y.
Application April 2, 1941, Serial No. 100,087
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,055
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Albert Maisch, New York, N. Y.
Application April 4, 1941, Serial No. 100,142
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

127,056
DESIGN FOR A DRESS ENSEMBLE
Marion McCoy, St. Louis, Mo.
Application April 2, 1941, Serial No. 100,083
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

127,057
DESIGN FOR A DRESS
Mollie Parnis, New York, N. Y.
Application April 3, 1941, Serial No. 100,122
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,058
DESIGN FOR A DRESS
Mollie Parnis, New York, N. Y.
Application April 3, 1941, Serial No. 100,123
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,059
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Charles Rosenstein, Paterson, N. J.
Application April 4, 1941, Serial No. 100,133
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

127,060
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Charles Rosenstein, Paterson, N. J.
Application April 4, 1941, Serial No. 100,134
Term of patent 3½ years



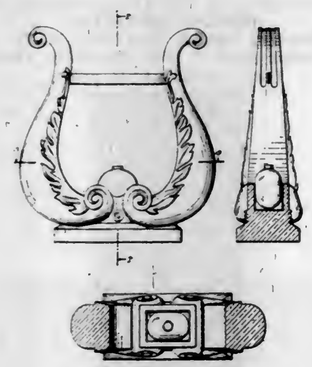
The ornamental design for a textile fabric or similar article as shown.

127,061
DESIGN FOR A DRESS
Mary E. Tetreault, New York, N. Y.
Application April 4, 1941, Serial No. 100,147
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,062
DESIGN FOR A FLOWER VASE
Lewis P. Weil, Cynwyd, Pa.
Application February 27, 1941, Serial No. 99,251
Term of patent 7 years



The ornamental design for a flower vase, as shown.

127,063
DESIGN FOR A DRESS
Henry Weisberg, New York, N. Y.
Application April 5, 1941, Serial No. 100,162
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,064
DESIGN FOR A COAT
Abraham Wolf, New York, N. Y.
Application March 27, 1941, Serial No. 99,927
Term of patent 3½ years



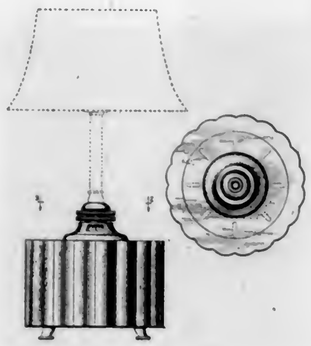
The ornamental design for a coat, substantially as shown.

127,065
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application April 4, 1941, Serial No. 100,144
Term of patent 3½ years



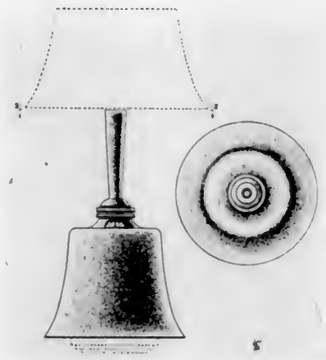
The ornamental design for a textile fabric or similar article, as shown.

127,066
DESIGN FOR A COMBINED LAMP AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, Mich.
Application February 3, 1941, Serial No. 98,705
Term of patent 14 years



The ornamental design for a combined lamp and radio receiving set, substantially as shown and described.

127,067
DESIGN FOR A COMBINED LAMP AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, Mich.
Application February 3, 1941, Serial No. 98,708
Term of patent 14 years



The ornamental design for a combined lamp and radio receiving set, substantially as shown and described.

127,068
DESIGN FOR A DRESS ENSEMBLE
Eleanor Hill, New York, N. Y.
Application April 2, 1941, Serial No. 100,088
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

127,069
DESIGN FOR A DRESS
Eleanor Hill, New York, N. Y.
Application April 2, 1941, Serial No. 100,090
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,070
DESIGN FOR A DRESS
Judith Woursell Holsten, New York, N. Y.
Application April 4, 1941, Serial No. 100,145
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,071
DESIGN FOR A DRESS
Natalie Jones, New York, N. Y.
Application January 29, 1941, Serial No. 98,491
Term of patent 3½ years



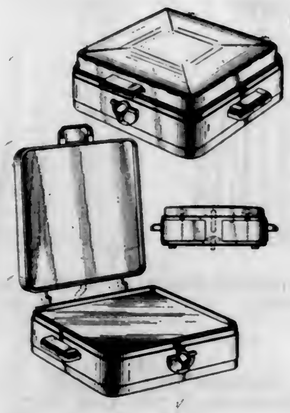
The ornamental design for a dress, substantially as shown.

127,072
DESIGN FOR A FUR JACKET
Omar Kiam, New York, N. Y.
Application January 27, 1941, Serial No. 98,443
Term of patent 3½ years



The ornamental design for a fur jacket, as shown and described.

127,073
DESIGN FOR A CASING FOR AN ELECTRIC COOKER
George T. Scharfenberg, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application October 21, 1940, Serial No. 95,953
Term of patent 14 years



The ornamental design for a casing for an electric cooker, substantially as shown.

127,074
DESIGN FOR A SUIT
Mollie Parnis, New York, N. Y.
Application April 3, 1941, Serial No. 100,124
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

127,075
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Mabel Cumbow Ruskin, Abingdon, Va.
Application October 28, 1940, Serial No. 97,142
Term of patent 7 years



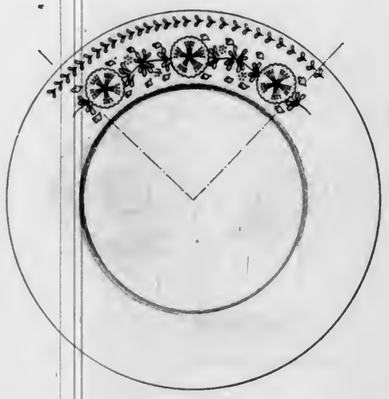
The ornamental design for a plate or similar article, as shown and described.

127,076
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Mabel Cumbow Ruskin, Abingdon, Va.
Application October 28, 1940, Serial No. 97,143
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

127,077
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Mabel Cumbow Ruskin, Abingdon, Va.
Application October 28, 1940, Serial No. 97,144
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

127,078
DESIGN FOR A DRESS
Harry Snowise, New York, N. Y.
Application April 5, 1941, Serial No. 100,153
Term of patent 3½ years



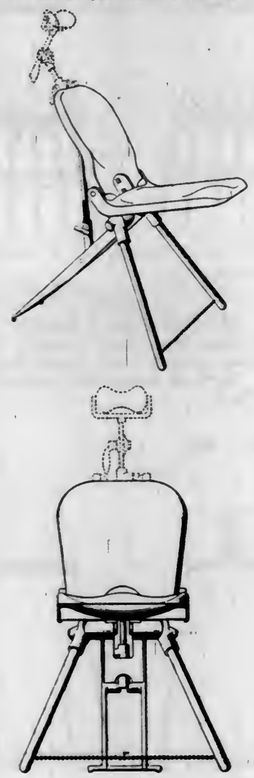
The ornamental design for a dress, substantially as shown.

127,079
DESIGN FOR A DRESS
Harry Snowise, New York, N. Y.
Application April 5, 1941, Serial No. 100,154
Term of patent 3½ years

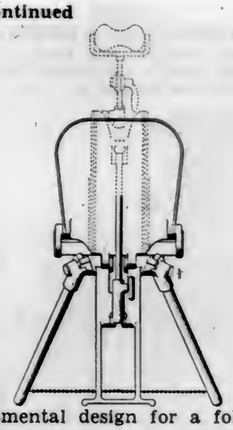


The ornamental design for a dress, substantially as shown.

127,080
DESIGN FOR A FOLDING DENTAL CHAIR
Robert C. Angell, Prince Bay, N. Y., assignor to The S. S. White Dental Manufacturing Company, a corporation of Pennsylvania
Application September 21, 1939, Serial No. 87,321
Term of patent 14 years



127,080—Continued



The ornamental design for a folding dental chair, as shown.

127,081
DESIGN FOR A DRESS
William Bass, New York, N. Y.
Application April 1, 1941, Serial No. 100,057
Term of patent 3½ years



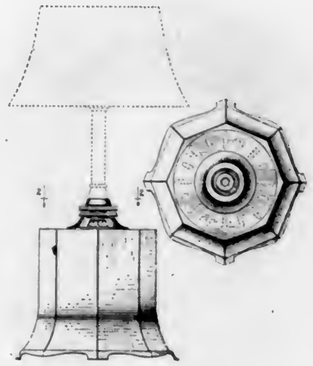
The ornamental design for a dress, substantially as shown.

127,082
DESIGN FOR A DRESS
William Bass, New York, N. Y.
Application April 1, 1941, Serial No. 100,059
Term of patent 3½ years



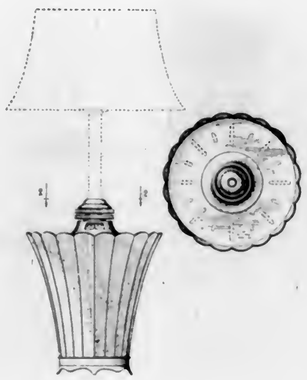
The ornamental design for a dress, substantially as shown.

127,083
DESIGN FOR A COMBINED LAMP AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, Mich.
Application February 3, 1941, Serial No. 98,701
Term of patent 14 years



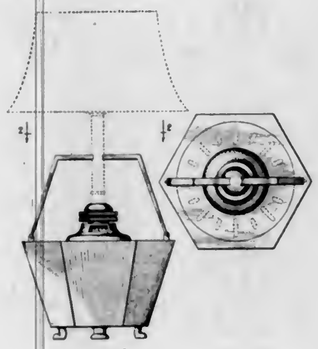
The ornamental design for a combined lamp and radio receiving set, substantially as shown and described.

127,084
DESIGN FOR A COMBINED LAMP AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, Mich.
Application February 3, 1941, Serial No. 98,702
Term of patent 14 years



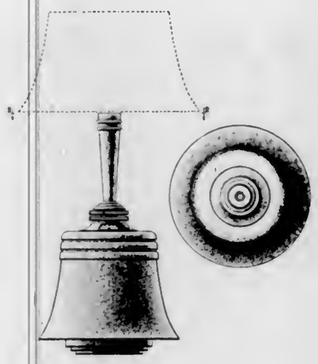
The ornamental design for a combined lamp and radio receiving set, substantially as shown and described.

127,085
DESIGN FOR A COMBINED LAMP AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, Mich.
Application February 3, 1941, Serial No. 98,704
Term of patent 14 years



The ornamental design for a combined lamp and radio receiving set, substantially as shown and described.

127,086
DESIGN FOR A COMBINED LAMP AND RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, Mich.
Application February 3, 1941, Serial No. 98,707
Term of patent 14 years



The ornamental design for a combined lamp and radio receiving set, substantially as shown and described.

127,087
DESIGN FOR A DRESS ENSEMBLE
Edith R. Dalton, New York, N. Y.
Application March 26, 1941, Serial No. 99,890
Term of patent 3½ years



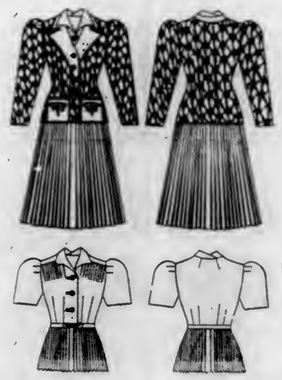
The ornamental design for a dress ensemble, as shown.

127,088
DESIGN FOR A DRESS ENSEMBLE
Edith R. Dalton, New York, N. Y.
Application March 26, 1941, Serial No. 99,891
Term of patent 3½ years



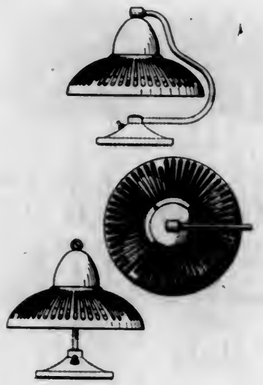
The ornamental design for a dress ensemble, as shown.

127,089
DESIGN FOR A DRESS ENSEMBLE
Edith R. Dalton, New York, N. Y.
Application March 26, 1941, Serial No. 99,892
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown.

127,090
DESIGN FOR A TABLE FAN
Aaron A. Goldstein, Buffalo, N. Y., assignor to The Gomco Surgical Manufacturing Corporation, Buffalo, N. Y., a corporation of New York
Application April 29, 1940, Serial No. 92,025
Term of patent 7 years



The ornamental design for a table fan, as shown and described.

127,091
DESIGN FOR A DRESS ENSEMBLE
Judith Woursell Holsten, New York, N. Y.
Application April 4, 1941, Serial No. 100,146
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

127,092
DESIGN FOR A DRESS
Lucy Hoshafian, Forest Hills, N. Y.
Application April 4, 1941, Serial No. 100,139
Term of patent 3½ years



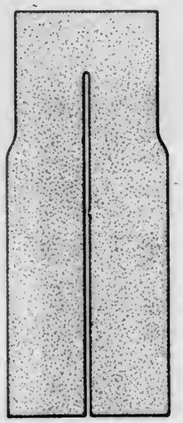
The ornamental design for a dress, as shown.

127,093
DESIGN FOR A DRESS
Lucy Hoshafian, Forest Hills, N. Y.
Application April 4, 1941, Serial No. 100,140
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,094
DESIGN FOR A LADY'S SCARF
Toby Katzman, née Masstab, and Abraham M. Katzman, Long Beach, N. Y.
Application January 4, 1941, Serial No. 97,801
Term of patent 3½ years



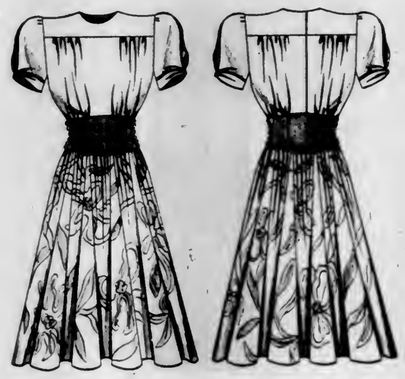
The ornamental design for a lady's scarf, substantially as shown.

127,095
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application April 1, 1941, Serial No. 100,055
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,096
DESIGN FOR A DRESS
Marion McCoy, St. Louis, Mo.
Application April 1, 1941, Serial No. 100,056
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,097
DESIGN FOR A CARPET OR SIMILAR ARTICLE
George V. Uihlein, Worcester, Mass.
Application March 19, 1941, Serial No. 99,709
Term of patent 7 years



The ornamental design for a carpet or similar article, substantially as shown and described.

127,098
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application April 4, 1941, Serial No. 100,143
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

127,099
DESIGN FOR A TABLECLOTH OR SIMILAR ARTICLE
Max E. Kruger, New York, N. Y.
Application March 26, 1941, Serial No. 99,894
Term of patent 3½ years



The ornamental design for a tablecloth or similar article, as shown and described.

127,100
DESIGN FOR A TABLE SCARF OR SIMILAR ARTICLE
Stanley J. Oppenheim, New York, N. Y.
Application April 7, 1941, Serial No. 100,201
Term of patent 3½ years



The ornamental design for a table scarf or similar article, substantially as shown.

127,101
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Charles Rosenstein, Paterson, N. J.
Application April 4, 1941, Serial No. 100,132
Term of patent 3½ years



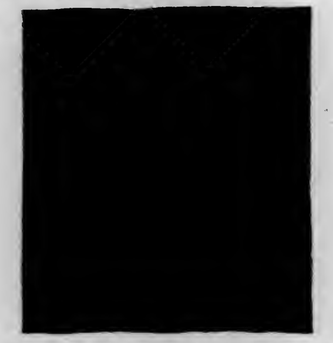
The ornamental design for a textile fabric or similar article, as shown.

127,102
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Charles Rosenstein, Paterson, N. J.
Application April 4, 1941, Serial No. 100,136
Term of patent 3½ years



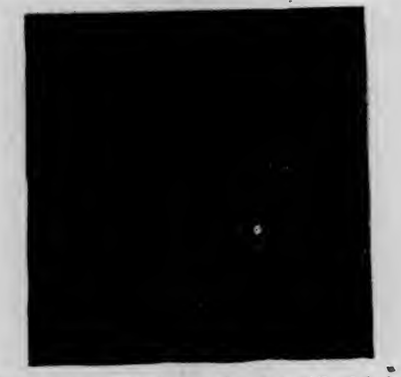
The ornamental design for a textile fabric or similar article, as shown.

127,103
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Charles Rosenstein, Paterson, N. J.
Application April 4, 1941, Serial No. 100,137
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

127,104
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Charles Rosenstein, Paterson, N. J.
Application April 4, 1941, Serial No. 100,138
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

THE

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United States Patent Office

Vol. 526—No. 2 TUESDAY, MAY 13, 1941 Price—$16 per year

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
ISSUE OF MAY 13, 1941	291
INTERFERENCE NOTICE	291
ADVERSE DECISIONS IN INTERFERENCE	291
TRADE-MARK REGISTRATIONS CANCELED	291
DISCLAIMER	291
APPLICATIONS UNDER EXAMINATION	292
DECISION OF THE U. S. COURTS—	
Kear v. Roder	293
PATENT SUITS	298
TRADE-MARKS PUBLISHED (149 APPLICATIONS)	301
TRADE-MARK REGISTRATIONS GRANTED	323
TRADE-MARK REGISTRATIONS RENEWED	333
REISSUES	335
PATENTS GRANTED	337
DESIGNS	534

May 13, 1941

Trade-Marks	193—No.	387,274 to No.	387,466, inclusive.
T. M. Renewals	50		
Reissues	8—No.	21,796 to No.	21,803, inclusive.
Patents	831—No.	2,241,374 to No.	2,242,204, inclusive.
Designs	161—No.	127,105 to No.	127,265, inclusive.
Total	1,243		

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Apr. 25, 1941.*

Armand A. Probeck, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Patent No. 2,172,806, granted September 12, 1939, to Armand A. Probeck, 12943 Clifton Blvd., Cleveland, Ohio, and the reissue application for patent of Gerald G. Greulich, 778 Osage Road, Mount Lebanon, Pittsburgh, Pa., and a notice of such declaration sent by registered mail to said Probeck at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Probeck, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,096,718, O. A. Hokanson, Automatic phonograph, decided April 23, 1941, claim 20.

Pat 2,100,279, R. H. George and H. J. Heim, Television system, decided January 28, 1941, claims 7, 8, 9, 10, and 11.

Pat. 2,170,962, Gerhard Clamann, Means for photoelectrically scanning balanced sound records, decided March 6, 1941, claims 1 and 2.

Trade-Mark Registrations Canceled

158,256. Nail-polish. Magic Nail Polish Co., New York, N. Y. Registered August 29, 1922. Canceled April 4, 1941.

234,705. Certain named heating apparatus. Arthur O. Rosenlund, doing business as American Heating Company, Philadelphia, Pa. Registered November 1, 1927. Canceled April 21, 1941.

237,302. Certain named clothing. Phil Klein, New York, N. Y. Registered January 3, 1928. Canceled April 21, 1941.

335,935. Certain named articles of clothing. Steinberger Bros. Glove Corporation, New York, N. Y. Registered June 16, 1936. Canceled April 21, 1941.

340,755. Medicinal preparation. Zeno Schoolcraft, doing business as Rochester Specialty Mfg. Company, Rochester, Mich. Registered November 17, 1936. Canceled April 4, 1941.

364,532. Fresh citrus fruits. W. F. Austin, doing business as The Orange Car, Harrisburg, Pa., etc. Registered February 7, 1939. Canceled April 21, 1941.

370,494. Medical tablets. Robert Wm. Johnson, Baltimore, Md. Registered August 29, 1939. Canceled April 21, 1941.

378,624. Prepared liquid wax. The Davies-Young Soap Company, Dayton, Ohio. Registered June 11, 1940. Canceled April 21, 1941.

379,205. Beverages. Stephen Janik, Niagara Falls, N. Y. Registered July 2, 1940. Canceled April 21, 1941.

379,441. Candy. Sunrise Candy, Newark and Montclair, N. J. Registered July 9, 1940. Canceled April 4, 1941.

379,987. Welding electrodes. A. O. Smith Corporation, Milwaukee, Wis. Registered August 6, 1940. Canceled April 21, 1941.

Disclaimer

2,205,204.—*George E. King*, Wilkinsburg, Pa. VARIABLE VOLTAGE MOTOR CONTROL. Patent dated June 18, 1940. Disclaimer filed April 18, 1941, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters this disclaimer to claim 11 of the patent.

Condition of Applications Under Examination at Close of Business April 26, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 41,722; Trade-Mark Division, 1,279. Oldest new case, July 30, 1940; oldest amended, July 31, 1940.)
(The dates given are 1940 except where † indicates 1941)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action: New	Oldest amended application awaiting office action: Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Nov. 30	Dec. 5	469
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Nov. 9	Oct. 4	549
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Feb. 26	†Mar. 1	402
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	†Jan. 2	†Jan. 4	525
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Nov. 20	Dec. 2	452
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Oct. 11	Sept. 23	1073
5725	7. JARBOE, C. G., Optics; Photography	Oct. 17	Oct. 29	938
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Oct. 5	Oct. 2	866
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Nov. 23	Nov. 15	592
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Nov. 28	Nov. 28	335
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggins; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	†Jan. 7	†Jan. 7	420
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Nov. 1	Nov. 8	540
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planting; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Oct. 18	Oct. 15	527
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	†Jan. 2	†Jan. 2	539
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Oct. 24	Oct. 21	1060
5716	16. SPENCER, C. J., Telegraphy; Telephony	Dec. 20	Dec. 20	526
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 10	Dec. 7	565
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 28	Dec. 5	431
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Dec. 23	Dec. 16	619
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Nov. 12	Nov. 12	378
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	†Jan. 23	†Jan. 30	298
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	July 30	July 31	1411
7624	23. BUTTNER, W. J., Registers (part)	Aug. 7	Aug. 30	239
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 6	Sept. 13	927
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Nov. 23	Nov. 18	541
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Dec. 23	Dec. 11	416
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Nov. 12	Nov. 9	676
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Nov. 28	Sept. 18	301
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Nov. 8	Dec. 6	676
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	†Jan. 6	†Jan. 4	547
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Nov. 15	Nov. 15	1386
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Dec. 5	†Jan. 4	911
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Dec. 20	Dec. 14	857
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Oct. 19	Oct. 25	386
3870	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Oct. 31	Nov. 1	359
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Oct. 26	Nov. 2	577
5896 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Oct. 31	Oct. 25	546
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Aug. 1	Aug. 27	856
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Dec. 26	Dec. 31	550
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Oct. 4	Oct. 4	1660
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Nov. 26	Nov. 27	461
5882	42. CUTTING, H. O., Electric Signaling	Dec. 12	Dec. 17	363
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Oct. 14	Sept. 28	328
4087 B	44. HARVEY, L. P., Refrigeration	Oct. 17	Oct. 8	598
7096	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	†Jan. 25	Nov. 2	370
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Dec. 7	Dec. 7	549
6082	47. KANOF, W. J., Clutches; Brakes	Dec. 30	Dec. 16	365
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Nov. 28	Nov. 30	530
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Oct. 30	Oct. 28	792
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Oct. 30	Oct. 30	1229
5628	51. BACKUS, C. D., Radiant Energy (part)	†Feb. 19	†Feb. 12	423
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Dec. 28	†Jan. 17	509
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Oct. 18	Oct. 5	845
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 25	Nov. 22	350
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Dec. 18	Dec. 19	316
4726	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Sept. 30	Sept. 25	1199
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Sept. 14	Dec. 23	187
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Nov. 20	Nov. 12	538
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substa paration; Heterocyclic Compounds.	Oct. 23	Nov. 6	1016
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Nov. 12	Oct. 23	316
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Dec. 17	Oct 28	331
5621	62. PUGH, E. C., Games; Geometrical Instruments	†Feb. 27	†Feb. 4	422
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Oct. 4	Oct. 1	1032
4208	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	†Jan. 13	†Jan. 13	716
3612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Jan. 28	†Jan. 29	269
2099 B	Trade-Marks: F. A. RICHMOND	†Mar. 19	†Mar. 31	1279
2605	Designs: H. H. KALUPY	†Mar. 12	†Mar. 21	1001

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

KEAR *v.* RODER

No. 4,375. Decided December 9, 1940

[115 F.(2d) 810]

1. INTERFERENCE—REDUCTION TO PRACTICE—CORROBORATING EVIDENCE.

Record reviewed and *Held* the evidence relied upon by K, the junior party, for corroboration of his testimony respecting actual reduction to practice of the invention in issue before the filing date of the senior party R, did not justify a holding that the tests made by K were satisfactory.

2. SAME—SAME—PRINTED PUBLICATION.

"The mere publication of an invention by an inventor in a bulletin or magazine is not in law a constructive reduction to practice of the invention thus disclosed."

3. SAME—REDUCTION TO PRACTICE—DILIGENCE—PRIORITY.

Record reviewed and *Held* devoid of evidence of diligence by the junior party K in reducing the invention to practice at and immediately before the entry of the senior party R into the field, nor for several months thereafter, and *Held* that priority was properly awarded to R.

APPEAL from Patent Office. Affirmed.

Mr. J. E. Mothershead (*Mr. Paul P. Stoutenburgh* and *Mr. Samuel Schrivener, Jr.*, of counsel) for Kear.

Mr. Harry E. Dunham (*Mr. Merton D. Morse* and *Mr. A. D. Salinger* of counsel) for Roder.

LENROOT, *J.*:

This appeal brings before us for review a decision of the Board of Appeals of the United States Patent Office in an interference proceeding awarding to appellee Roder priority of invention with respect to all of the counts forming the issue of the interference. This decision of the Board reversed the decision of the Examiner of Interferences, who had awarded priority as to all counts to the party Kear.

The issue consists of four counts, of which count 1 is illustrative and reads as follows:

1. The combination, in a directive radiation system, comprising a plurality of spaced radiators, of means to maintain constant the field pattern produced by said radiators, said means comprising a common source of oscillations, transmission lines extending from said common source to each of said radiators, and means continuously effective to maintain the current in each radiator in constant phase relation with respect to the voltage produced by said source.

The interference arises between an application of appellant Kear, Serial No. 696,209, filed November 1, 1933, and an application of appellee Roder, Serial No. 668,595, filed April 29, 1933. The party Kear, being the junior party, has the burden of proving priority of invention by a preponderance of the evidence.

As originally declared the interference contained five counts. Subsequently each of the parties hereto filed motions to dissolve the interference, and in addition appellant Kear filed a motion to add four new proposed counts under rule 109. In proceedings dealing with these motions all of the original counts except count 2 were eliminated from the interference, and Kear's proposed seventh, eighth, and ninth counts were added thereto. These four counts were renumbered 1, 2, 3, and 4 and are the counts before us.

Appellant took testimony to establish priority of invention, while appellee relied upon his filing date, April 29, 1933.

The invention in issue relates principally to radio beacons as used for the guidance of airplanes, and specifically to the type using four antennae, one at each of the four corners of a square. Each pair of diagonally opposite antennae are connected to the same transmitter, but the antennae constituting such pair are energized in opposite phase relation. The space pattern resulting from such a condition is in the form of a figure 8, and the axis of the figure 8 pattern resulting from one pair of diagonally opposite antennae intersects the axis of the pattern resulting from the remaining pair of diagonally opposite antennae at right angles. There thus result four separate courses from such a system of radiators or antennae, such courses bisecting the angles between adjacent antennae. In order for these courses to remain fixed geographically, it is essential that the phase relation and amplitude of the currents energizing the separate antennae be maintained in a fixed relation to the voltage impressed, and accordingly the phase relation of the various antennae currents with respect to each other is maintained. It appears that there are a number of variables, such as weather conditions, which operate to disturb this relation, and the object of the invention here in issue is to provide means whereby to counteract the effect of such variables so that the desired phase conditions may be maintained in the antennae regardless of such influences.

Appellant seeks to accomplish this by using transmission lines between each of his antennae and the source of supply which are 90° or 180° in electrical length, it appearing that the current in the end of such a transmission line is automatically maintained in constant phase and amplitude.

Appellee's approach to the solution of this problem involves the use of transmission lines of no necessarily fixed electrical length; his method is to detune each antenna so that the current in such antenna is displaced from the voltage induced in the antenna by an amount equal to the electrical length of the transmission line supplying such antenna with energy, it being our understanding that by such a method the phase relation of the current in the various antennae can likewise be maintained constant.

It may be added that in such systems of radio beacons, the radiation produced by one pair of diagonally opposite antennae is modulated to be distinguishable from the radiation emanating from the

other pair of antennae, and that, when the system is properly adjusted, at points along a line midway of the axes of the separate figure 8 patterns the signals from the separate antennae will be received with equal intensity, such line constituting the equi-signal zone.

Apparently both parties filed preliminary statements, but only the statement of appellant is contained in the record. As hereinbefore stated, appellant took testimony while appellee did not. Appellee, being the senior party, relies upon his filing date, April 29, 1933, for conception and constructive reduction to practice of the invention.

The Examiner awarded priority to appellant, holding that he had established conception of the invention at least as early as July 1, 1932, and actual reduction to practice as early as October, 1932.

Upon review of this decision the Board of Appeals reversed the decision of the Examiner of Interferences and awarded priority of invention to appellee. In arriving at this decision the Board did not question the finding of the Examiner of Interferences that appellant was entitled to a date as early as July, 1932, for conception of the invention, but held that appellant had not established reduction to practice prior to appellee's filing date, and had not established diligence in reducing the invention to practice.

From this decision appellant took the appeal before us.

At the outset we would observe that before the Patent Office tribunals it was claimed that appellee derived the invention from appellant. Both the Examiner of Interferences and the Board of Appeals decided this question adversely to appellant, and as this question is not raised by appellant's reasons of appeal, nor argued in his brief before us, it will not be considered by us.

In appellant's brief it is stated:

> The only ground upon which the Board of Appeals reversed the Examiner of Interferences is contained in the following quotation from their decision of August 9, 1939, (r. p. 259) as follows:
>
> The party Kear and perhaps the witness Diamond may have been fully convinced that the system would necessarily function properly in actual operation and it may be that the information that they possessed justified this belief. We are of the opinion, however, that the record does not clearly show what would occur in actual use. It is believed, in a system of the type here under consideration, conditions may be such in actual operation as to render substantially useless a system which may have been found entirely satisfactory under test conditions which were of a somewhat different nature.

This statement of appellant is inaccurate in that the Board also reversed the decision of the Examiner upon another ground, viz., that the testimony of appellant respecting certain tests relied upon for reduction to practice was not sufficiently corroborated.

It appears from the evidence that appellant is an electrical engineer of high standing, and that in 1932 he was employed in the National Bureau of Standards, Aeronautics Research Division; that under the direction of one Harry Diamond, who was in charge of a group working on the development of radio aids to air navigation, appellant in 1932 undertook a study of the subject matter of the involved invention, much of which consisted of preliminary mathematical investigations; that he conducted many experiments at a laboratory maintained by the Bureau of Standards at College Park, Md.; that by the latter part of June, 1932, he had conceived the involved invention and had disclosed it to said Diamond. Appellant's testimony in this regard was clearly corroborated by Diamond. Immediately thereafter, construction of certain equipment to test the invention was begun, and one Harold Horsman, a mechanic employed at said laboratory, was assigned to do the mechanical work of securing the desired apparatus, under the direction of appellant.

Appellant testified that apparatus embodying the invention was installed in June, 1932, and that between that time and the following October many tests were made; that in October equipment installed and operated in accordance with appellant's original conception and disclosure was repeatedly tested with satisfactory results.

It is these October tests that appellant relies upon for actual reduction to practice of the invention.

It appears from the testimony that appellant kept a note-book in which he entered, from time to time as tests were made, data concerning his work upon the invention; weekly time cards were also filed by appellant with the Bureau of Standards upon which was noted the work done by appellant on each working day of the week. Photostats of the entries in the note-book and the original time cards filed by appellant were introduced in evidence.

There were also introduced in evidence photostats and printed copies of official reports made by appellant concerning the invention. One of these, Kear's Exhibit 17, is a publication entitled "Air Commerce Bulletin," issued on December 1, 1932, by the United States Department of Commerce. This exhibit contains a copy of a report made by appellant, Exhibit 14B, which discloses the involved invention and sets forth in detail its successful testing at College Park, Md.

We would here observe that appellant in his testimony went into great detail with regard to the testing of the invention at College Park.

Appellee sharply challenges the contention that said tests, as testified to by appellant, satisfactorily demonstrated the utility of the invention. For the purposes of this case we shall assume that appellant's evidence with respect to such tests, if sufficiently corroborated, establishes actual reduction to practice of the invention by him as early as October, 1932. Without such corroboration appellant cannot prevail, however credible his testimony may be.

Upon this point of corroboration appellant relies upon the testimony of Diamond, Horsman, and one Wm. E. Jackson. Mr. Jackson, who at the time of the taking of his testimony was chief of the Radio Development Section of the Bureau of Air Commerce, testified that in 1932 and 1933 he was employed in the Airways Division of the Department of Commerce, and that between June 1 and July 1, 1932, appellant disclosed to him the involved invention; that he witnessed the operation of certain apparatus set up by appellant at College Park during the period from June, 1932, to January, 1933. He, however, did not testify that he personally made such detailed observations of operations of the apparatus as would qualify him to corroborate appellant's testimony that the tests demonstrated the utility of the invention.

Appellant, however, particularly relies upon Jackson's testimony that he, Jackson, had personal knowledge of eight installations of appellant's invention, incorporated in airway beacons in eight cities between January 1, 1933, and January 1, 1935, and his (Jackson's) successful operation of the same. Jackson's testimony with reference to such operation is as follows:

> I have personally inspected all of them, and as a matter of fact, tuned each of the equipments up, that is so that phase stabilization was in effect when using the Kear method of phase stabilization.

The witness, however, did not testify as to the dates of such installations or inspections, other than that they were between January 1, 1933, and January 1, 1935.

Of course this testimony could have no weight with respect to reduction to practice of the invention upon which an award of priority could be based unless the inspections took place before April 29, 1933 (appellee's filing date), or between immediately prior to that date and November 1, 1933 (appellant's filing date), said last named period being accompanied by diligence by appellant in reducing the invention to practice.

Such dates not being established, it cannot be held that the testimony of Jackson corroborates appellant's testimony as to reduction to practice, or constitutes in itself evidence of reduction to practice of the invention within the dates above mentioned.

In the case of *Schneider* v. *Driggs*, 36 App. D. C. 116, 162 O. G. 1000, relied upon by appellant, the firing one hundred times of the gun embodying the invention of Driggs took place prior to the date of conception and reduction to practice awarded to Schneider. Therefore this case has no application to the case at bar.

The witness Horsman, as hereinbefore stated, was a mechanic, and while he had a general understanding of the problem which appellant was trying to solve, he did not pretend to be acquainted with the solution reached by appellant; and as to whether or not the tests conducted by appellant (in which the witness participated) were satisfactory, this witness relied wholly upon appellant's reactions to such tests and formed no judgment of his own with respect thereto.

The only witness whose testimony tends to corroborate appellant's testimony as to reduction to practice of the invention is Diamond; but the difficulty with that testimony is that it is not clear whether his corroborating testimony is based wholly upon his personal knowledge or in part upon conversations with appellant and upon reports, entries in appellant's note-book, and the time cards of appellant.

Upon this point the Board of Appeals in its decision stated:

> Taking up now the question of corroboration as to the October, 1932, tests, we do not find in the testimony of the witness Horsman, anything that convinces us that the tests were satisfactory. The record appears to indicate that the party Kear was an exceptionally able scientist and that his superior, the witness Diamond, had the greatest confidence in him. It is believed that the question of corroboration must primarily depend upon the testimony of this witness. It is not unlikely, we think, in view of the information which apparently was imparted to him by the party Kear, that he was convinced the system was fully operative. When his evidence is critically considered, however, it is found that he has given very little first-hand information as to details. As to this important question, i. e., the satisfactory nature of the October, 1932, test, it appears that most of the evidence offered by the witness Diamond is in the nature of hearsay testimony, depending either upon statements made to him by the party Kear or upon reports prepared by that party. It is our judgment that the corroborative evidence cannot be relied upon to justify a holding that the tests were satisfactory.

Upon this question of corroboration the Examiner of Interferences in his decision stated:

> The party Roder vigorously attacks the testimony relative to these tests contending that they are not sufficiently corroborated and therefore not proven and that the results even if proven do not indicate that the system was shown to be satisfactory.
>
> It is true that Horsman signed but one data sheet in the Kear notebook, Exhibit 1, namely, page 0103 dated October 3, 1932, and that Horsman did not testify that he was present at each and every test. Horsman did state, however, that he spent his full time while at the Bureau of Standards working for Kear (Q. 14, page 146).
>
> Diamond also testifies that he was very interested in Kear's work and that he witnessed tests at College Park around the middle of October. Diamond also avers that he obtained his knowledge for the monthly reports on the project not only from conferences, time sheets, and reports but also through personal contact with the work (X Q. 118, page 142).
>
> This testimony together with the entries in Kear's note-book, Exhibit 1, is believed to constitute sufficient corroboration of the tests.
>
> * * * * * * *
>
> Likewise, Diamond's report for the month of October, 1932, which as before stated he made from knowledge obtained from personal contact as well as reports and which was made after Diamond's visit around the middle of October, 1932, states:
>
> "Equipment was constructed and installed for practical tests of the quarter-wave length and half-wave length synchronizing arrangements as applied to the TL-antenna set-ups at College Park. Both gave satisfactory results. With the quarter-wave lines, a change in antenna reactance (in percent of antenna resistance) of ±33% resulted in a phase displacement between the two antenna currents of ±2 degrees, which is within the desired limits of satisfactory operation. With the half-wave length lines, a change of ±25% was possible without exceeding the prescribed phase displacement of ±2 degrees. Without synchronization, i. e., with the transmission lines as previously used, the permissible change in antenna reactance (in percent of antenna resistance) in order to stay within the ±2 degree limit was only ±1.5%."
>
> From this evidence it appears therefore that Kear's system was proven satisfactory to all concerned at least as early as October, 1932, and Kear is accorded a reduction to practice as of this date.

The witness Diamond testified in part as follows:

> 75. Q. I hand you Kear Exhibit 8 and ask you what this exhibit represents to you?
>
> A. This exhibit shows a radio frequency source feeding two 90 degree transmission lines in parallel, each transmission line being made up of a 43 degree length of parallel conductor lines and a 47 degree building out section, and each transmission line is terminated at its far end with an antenna load.
>
> 76. Q. Did you ever see such a construction at College Park, and if so, when?
>
> A. This constituted the proof of the pudding, and I did see such a set-up at College Park around the middle of October or possibly slightly before the middle of October.
>
> Mr. Morse. What is the number of that exhibit?
>
> The Witness. That is Kear Exhibit 8.
>
> By Mr. Stoutenburgh:
>
> 77. Q. What was the electrical length of the transmission lines—the effective length?
>
> A. 90 degrees.
>
> 78. Q. How would you describe the operation of this device with respect to the stability of the space pattern?
>
> A. The way of testing it utilizes the scheme that we employed in connection with the development or with the tuning of the TL antennas; since these were two antennas of a pair, a third antenna, constituting one of the elements of the second pair, crossing at right angles to the first, would be equi-distant from the two elements of the first

pair, so that if the phases in the two elements of the first pair were 180 degrees out of phase, the induced current in that third one would be zero.

Now, then, the way this experiment was run, was to adjust the two antennas of the pair under test, having these 90 degree transmission lines run into them from the common source, adjust them so that the currents in them were in exact opposition as evidenced by a meter connected into that third antenna equi-distant from each of the two antennas of the pair.

Then, the next step was to de-tune one of these two antennas, and if phase synchronization held then the other antenna should—or the strength and phase of the current through it should—vary by the same amount, and therefore they should remain in 180 degree phase difference, and the current in that third antenna should remain at zero, and the test was to see how much the power factor in one of these antennas could be varied, before that milliammeter would read some current.

Appellant relies in part upon this testimony for corroboration of his testimony respecting reduction to practice; but it will be observed that nothing was said by the witness concerning the result of the test. True, he said that the test he observed was the "proof of the pudding," but it does not follow from this statement that the test was successful. The test could be the "proof of the pudding" either by a demonstration that the operation of the particular installation was successful, or by a demonstration that it was unsuccessful.

Upon cross-examination the witness Diamond testified in part:

133. X Q. You stated that around the middle of October you were at College Park, and that you saw some tests there in which as you de-tuned one antenna the other antenna was also de-tuned?

A. Yes.

134. X Q. That means that they had series connecting lines at that time; is that right?

A. No.

135. X Q. Would that occur if the two lines were in parallel?

A. Yes.

135. X Q. You mean that if you have the source connected directly in parallel, with two transmission lines leading to two antenna and then you de-tune one of those, that the current in the other antenna will follow the phase of the current in the one?

A. Yes.

136. X Q. Will you explain that?

A. That forms the subject matter of this invention. In other words, the object was to devise a circuit arrangement for synchronising the phase of the currents in the two elements of a pair or more radiators, and Dr. Kear devised two methods for doing it, one which utilized a parallel connection of two 90 degree lines, and the other a series connection of 180 degree lines, both of which achieved the desired result.

It will be observed that in the last answer of the witness reference is made to two transmission lines—one 90 electrical degrees in length and the other 180 electrical degrees in length. The only tests testified to by the witness on his direct examination was of a line 90 electrical degrees in length. We gather from this fact that when the witness stated on cross-examination that both lines achieved the desired result he was not referring to any test that came under his personal observation, but was stating his general conclusion as to the successful operation of appellant's invention, not based upon personal observation alone.

We find nothing else in the testimony of this witness tending to corroborate, from personal knowledge of the witness, the successful testing of appellant's invention.

It appears that Mr. Diamond made monthly reports of the progress of the work under his supervision, parts of which reports were introduced in evidence as Kear's Exhibit 10. The report for the month of October, 1932 contains the following:

Transmission-Line Antenna System.—The work on the third stage of the research on the TL-antenna system was continued. The quarter-wave length phase synchronizing arrangement was reexamined in the laboratory and found to give much improved results after adjustment of the artificial line sections to make the transmission lines more nearly 90 degrees long. Equipment was constructed and installed for practical tests of the quarter-wave length and half-wave length synchronizing arrangements as applied to the TL-antenna set-up at College Park. Both gave satisfactory results. With the quarter-wave lines, a change in antenna reactance (in percent of antenna resistance) of ±33% resulted in a phase displacement between the two antenna currents of ±2 degrees, which is within the desired limits of satisfactory operation. With the half-wave length lines, a change of ±25% was possible without exceeding the prescribed phase displacement of ±2 degrees. Without synchronization, i. e., with the transmission lines as previously used, the permissible change in antenna reactance (in percent of antenna resistance) in order to stay within the ±2 degrees limits was only ±1.5%.

Upon direct examination the witness stated:

Referring to Kear Exhibit 10, will you state whether or not the pages of the reports to which you have referred accurately set forth facts within your personal knowledge as of the dates of those reports?

The Witness. These pages accurately set forth knowledge as of the date, and my personal knowledge as of the dates of those reports.

In answer to another question the witness clearly indicated that he did not use the word "knowledge" in its restricted legal sense, for in testifying with respect to the December report he stated:

* * * There is an item dealing with the use of artificial lines, namely building-out sections, in the production of cardioid pattern. The cardioid pattern was to be of use in another project, and some test flights were made on the cardioid pattern, and also on the figure of eight patterns, produced as the device would normally be employed, which I had knowledge of, *by conference with the men making the tests.* [Italics ours.]

Also, upon cross-examination the witness testified as follows:

116. X Q. In connection with the report for August of 1932, page 3, I have reference to the number at the bottom of page, the top paragraph, you stated that that was prepared from conferences, time cards, and so forth, which were submitted to you as head of your division.

A. Yes.

117. X Q. *Isn't that the general way in which all of these reports were prepared?*

A. Yes; from my own knowledge of the progress of the work, from conferences with the men involved, from reference to their weekly report cards, and other records.

118. X Q. And when you stated that all of the facts recorded in this exhibit were of your own knowledge, you mean that you acquired that knowledge through conferences and through time sheets and reports made to you, as well as through some personal contact with the work?

A. Yes. [Italics ours.]

After most careful consideration of the testimony of the witness Diamond, we are compelled to conclude, as did the Board of Appeals, that it cannot be relied upon to justify a holding that the tests were satisfactory.

It is interesting to observe, in this connection, that the Examiner of Interferences apparently was not satisfied that Diamond's testimony alone was sufficiently corroborative of appellant's claimed reduction to practice, for in his decision he stated that Diamond's testimony, together with the entries in Kear's note-book, Exhibit 1, is sufficient corroboration of the tests.

We have no doubt that the witness Diamond was fully convinced that appellant's invention was fully operative. Here there is no question of lack of credibility of appellant or of any of his witnesses. The only question is whether, fairly construing the testimony of Diamond and Horsman, and the other relevant evidence in the case, the testimony of appellant as to reduction to practice prior to appellee's filing date has been sufficiently corroborated.

That such corroboration of reduction to practice by an inventor is necessary in interference proceedings is well settled. In the case of *George* v. *Karsel*, 27 C. C. P. A. (Patents) 1063, 111 F.(2d) 148, 518 O. G. 776, we said:

This is one of those cases where the testimony of the inventor himself is persuasive; but the rule requiring corroboration of the testimony of an inventor in cases like that at bar is firmly established in patent law and upon the whole is a very salutary rule.

A like observation is applicable to the case at bar. All of the witnesses appear to be men of high character, and the testimony of appellant, together with his note-book and time cards, is very persuasive; but unless there be independent corroboration of his testimony respecting actual reduction to practice, no award of priority based upon such actual reduction may be made.

Appellant's counsel contend, however, that appellant's note-book entries and official reports, together with Diamond's official report, Kear Exhibit 10, from which we have hereinbefore quoted, corroborate appellant's testimony pertaining to successful reduction to practice in October, 1932.

All of these documents, however, except the Diamond report, are merely self-serving declarations of appellant, they having been made by him.

With respect to Diamond's report, it is clear to us, as hereinbefore indicated, that the statements therein contained were not wholly within the personal knowledge of Diamond, but were based in part upon statements and reports made by appellant, and therefore such report may not be relied upon for corroboration of appellant's testimony so far as actual reduction to practice is concerned.

With respect to reports made by appellant, we call attention to our decision in the case of *Collins* v. *Olsen*, 26 C. C. P. A. (Patents) 1017, 102 F.(2d) 828, 503 O. G. 3, where a very similar question was presented. In that case Olsen had made reports to his superior officer of successful tests of the invention conceived by him, and such reports were relied upon as corroborative of Olsen's testimony. In our opinion we stated:

We must conclude that statements in reports by Olsen, no matter how clear, as to what he used, what he did and what the results were, cannot be accepted as proof of reduction to practice, unless fully corroborated, even though such reports were made to an official who had such confidence in their accuracy that he was willing to act upon them without complete and independent investigation. While they constitute good evidence of conception, they are self-serving on the question of reduction to practice. [Citing cases.]

In the case of *Petrie* v. *De Schweinitz*, 19 App. D. C. 386, 99 O. G. 1387, cited in the above case, the Court of Appeals for the District of Columbia stated:

* * * The evidence of self-serving declarations concerning an invention, whilst admissible as disclosures tending to establish the fact of conception, are clearly incompetent to prove the independent fact of reduction of that conception to practice.

[1] For the reasons hereinbefore stated, we must agree with the Board of Appeals that the evidence relied upon by appellant for corroboration of his testimony respecting actual reduction to practice in 1932 does not justify a holding that the tests made by appellant were satisfactory.

Appellant next makes the contention that the publication of his invention in the December 1, 1932, issue of the Air Commerce Bulletin was a constructive reduction to practice of the invention. In support of this contention he cites the case of *Marconi* v. *Shoemaker*, 1907 C. D. 392, 131 O. G. 1939, wherein the then Commissioner of Patents, after citing certain publications disclosing the invention there involved, stated:

Under section 4886 of the Revised Statutes the disclosure of an invention in any prior printed publication in this or in any foreign country is an absolute bar to the granting of a patent to one who subsequently makes that invention. It is well settled, however, that in order to constitute such a bar the earlier printed and published description must exhibit the invention in such full and intelligible manner as to enable persons skilled in the art to which the invention relates to understand the operation of the invention and to carry it into practical use. [Citing cases.] When, therefore, a publication is sufficient to constitute a bar against all later inventors, it should manifestly be accepted as establishing the rights of the one who made that disclosure and who with reasonable promptness filed his application for patent in the United States.

The holding embraced in the last sentence of the quotation has never, so far as we have been able to ascertain, been followed by Patent Office tribunals or by any court.

We have had this question of constructive reduction to practice before us many times, and have consistently held that in interference cases a disclosure of an invention in an issued patent, the invention not being claimed therein, does not constitute a constructive reduction to practice of the invention if there be a hiatus between the time of issue of such patent and the filing of a new application disclosing and claiming the invention disclosed in the patent.

The first of these cases decided by us is that of *Conover* v. *Downs*, 17 C. C. P. A. (Patents) 587, 35 F.(2d) 59, 389 O. G. 4, where the question was fully discussed, and it was held that a patent issued upon an application disclosing but not claiming the invention involved in the interference did not constitute a constructive reduction to practice of the invention, where there was a hiatus in the Patent Office between the issued patent and the application in interference.

We have repeatedly affirmed this holding, the latest case coming before us being that of *McBride* v. *Teeple, Jr.*, 27 C. C. P. A. (Patents) 961, 109 F.(2d) 789, 518 O. G. 3. In that case one of the questions was whether a patent issued to appellant McBride prior to the filing date of his application in interference, which patent disclosed but did not claim the involved invention, could be availed of by the appellant not only for conception but for constructive reduction to practice of the invention. In our opinion in that case we reviewed our decision in *Conover* v. *Downs*, supra, stating:

* * * In the latter case the very question before us was directly involved, and after reviewing a number of precedents upon the question we held that where an application involved in an interference was not filed until after the grant of a patent disclosing but not claiming the invention, the filing of the application which matured into a patent was not a constructive reduction to practice of the invention in issue. The situation before us is exactly that which existed in the Conover case, and it is clear that we could not agree with appellant's contention without overruling our holding in said case. We adhere to the views there expressed and would observe that we have expressly affirmed this holding in the following cases: *Fessenden* v. *Wilson et al.*, 18 C. C. P. A.

(Patents) 1171, 48 F.(2d) 422; *Writer* v. *Kiwad*, 20 C. C. P. A. (Patents) 869, 63 F.(2d) 259; and *Euth* v. *Oliver*, 21 C. C. P. A. (Patents) 1027, 70 F.(2d) 110.

This question has been so thoroughly considered by us in the cited cases that we do not consider it open to further discussion.

[2] It should require no argument to demonstrate that if an issued patent, standing alone, disclosing but not claiming an invention, without any copending applications disclosing and claiming it, is not a constructive reduction to practice of the invention, the mere publication of an invention by an inventor in a bulletin or magazine is not in law a constructive reduction to practice of the invention thus disclosed.

The doctrine of constructive reduction to practice of inventions is fully reviewed in the case of *Automatic Weighing Machine Co.* v. *Pneumatic Scale Corp.*, 166 Fed. 288, 139 O. G. 991, and it is so well established that we deem no further discussion is here required. We hold that the publication in the Air Commerce Bulletin, relied upon by appellant, while evidence of conception of the invention by him, is not a constructive reduction to practice of the invention.

Whether this publication is a statutory bar to appellee receiving a patent is a matter for later ex parte consideration by the Patent Office tribunals, but may not be raised in this proceeding. *Hendrickson et al.* v. *Ronning et al.*, 22 C. C. P. A. 1040, 76 F.(2d) 137, 458 O. G. 4.

It may seem anomalous to hold that a publication of an invention by an inventor may be a bar to the granting of a patent to another, while the same publication in an interference proceeding between the same parties may not, standing alone, be made the basis of an award of priority of invention to him who first published the same.

This seeming anomaly is due, however, to statutory provisions.

Congress in its wisdom saw fit to provide, in section 4886 R. S., that the mere disclosure of an invention in a printed publication should, under certain circumstances, constitute a bar to the granting of a patent to another on a later application. No such provision, however, is found in section 4904 relating to interferences. In this section it is made the duty of the tribunals of the Patent Office to determine priority of invention between the parties, and in these proceedings reduction to practice of the invention, either actual or constructive, is essential, not because of any specific statutory provision, but because of the application of general principles of law, and rules of practice which have obtained for many years.

The practical necessity for the application of this statutory bar in ex parte proceedings is apparent. To require evidence of actual reduction to practice of an invention disclosed in a printed publication would be wholly impracticable, and if required many invalid patents would be issued, while in interference proceedings the parties have full opportunity to establish the facts with respect to the completion of an invention by reduction to practice. If a junior party fails to do this in accordance with well settled principles of law, he has failed to sustain the burden upon him and priority must be awarded to the senior party, even though such senior party may not be entitled to a patent if, under the law and rules of the Patent Office, he is subject to the application of a statutory bar.

[3] There remains the question of diligence of appellant in reducing the invention to practice. We agree with the Patent Office tribunals that appellant has established that he was the first to conceive the involved invention, and we agree with the Board of Appeals that, upon the record before us, appellant was the last to reduce the invention to practice, his filing date being subsequent to the filing date of appellee. Therefore, in order for appellant to succeed, he must have established diligence on his part in reducing the invention to practice from immediately prior to appellee's filing date, April 29, 1933, to appellant's filing date, November 1, 1933.

We find no evidence in the record of diligence by appellant in reducing the invention to practice at and immediately before appellee's entry into the field, nor for several months thereafter.

For the reasons stated the decision appealed from is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,262,860, S. B. Smith, Incubator, D. C. Minn., 3d Div., Doc. E 2836, *S. B. Smith* v. *R. P. Nelson.* Dismissed Nov. 2, 1937.

1,396,906, Winkler & Dunnebier, Envelope roller folding machine in combination with a closing flap gumming machine, C. C. A., 4th Cir., Doc. 4773, *Oles Envelope Corp.* v. *Baltimore Paper Co. et al.* Dismissed Feb. 25, 1941.

1,659,890, J. Nelson, Signal system, D. C., N. D. Ill., E. Div., Doc. 208, *E. Neerup* v. *Butler Motors, Inc.* Dismissed on consent Jan. 7, 1941.

1,668,974, A. J. Mottlau, Snap switch, filed Mar. 6, 1941, D. C. Mass., Doc. 1158, *Westinghouse Electric & Mfg. Co.* v. *Mu-Switch Corp.* Doc. 1159, *Westinghouse Electric & Mfg. Co.* v. *Electrical Laboratories, Inc.*

1,709,477, W. D. Kyle, Insulator, D. C., S. D. N. Y., Doc. 8/38, *Line Material Co.* v. *Fairway Electrical Supplies Co., Inc.* Consent judgment (notice Feb. 25, 1941).

1,731,967, L. J. Antonsen, Paper excelsior machine, D. C., N. D. Ill., E. Div., Doc. 725, *L. J. Antonsen* v. *Mandel Bros., Inc.* Claim 7 held invalid because of prior use, bill dismissed Feb. 25, 1941.

1,812,768, C. E. Berggren, Trailer coupling, filed Feb. 14, 1941, D. C., N. D. Ill., E. Div., Doc. 2627, *C. E. Berggren et al.* v. *Sterling Automotive Mfg. Co., Inc.*

1,846,368, C. R. Smith, Method of making pipe, D. C., W. D. Wash., N. Div., Doc. 66, *H. E. Gere* v. *Hydraulic Supply Co., Inc., et al.* Dismissed with prejudice Mar. 6, 1941.

1,903,760, J. B. Girand, Dam and method of making same, D. C., S. D. Calif. (Los Angeles), Doc. 930–Y, *J. B. Girand* v. *Los Angeles County Flood Control District.* Dismissed Feb. 25, 1941.

1,903,811, L. A. Gebhard, Antenna system, filed (notice Feb. 19, 1941), D. C. District of Columbia, Doc. 10340, *L. A. Gebhard et al.* v. *General Motors Sales Corp. et al.*

1,905,442, F. Coors, Jr., Method of producing motion picture film, D. C., S. D. N. Y., Doc. 5/46, *Eastman Kodak Co.* v. *Agfa Ansco Corp.* Stipulation of dismissal (notice Feb. 28, 1941).

1,907,906, S. B. Van Ripper, Mail chute, C. C. A., 2d Cir., Doc.—, *Cutler Mail Chute Co.* v. *Capitol Mail Chute Corp.* Decree reversed (notice Mar. 10, 1941).

1,909,537, R. M. Hollingshead, Jr., Drive-In theatre, D. C., S. D. Calif., C. Div., Doc. 793–H, *Park-In Theatres, Inc.*, v. *M. A. Rogers et al.* Claims 1, 2, 5, 9 to 15 inclusive held invalid Feb. 27, 1941.

1,929,315, Johnson & Johnson, Lamp shade, filed Feb. 11, 1941, D. C., N. D. Ill., E. Div., Doc. 2613, *Fleet-O-Lite Corp.* v. *Sher Bros. Mfg. Co.*

1,948,121, H. D. Matthews, Bimetallic element, D. C., E. D. Mich., S. Div., Doc. 492, *W. M. Chace Co.* v. *Dole Valve Co. et al.* Stipulation dismissing bill (notice Feb. 24, 1941).

1,948,180, W. C. Dickson, Weatherproof nail, filed Feb. 14, 1941, D. C., N. D. Ill., E. Div., Doc. 2630, *Dickson Weatherproof Nail Co.* v. *The Deniston Co.*

2,006,930, Newell & Drylie, Thermostatic structure, filed Mar. 7, 1941, D. C., N. D. Ohio, E. Div., Doc. 20716, *Robertshaw Thermostat Co.* v. *The Ajax Thermostatic Controls Co.*

2,065,659, A. V. Cullen, Fastening method and means, D. C., N. D. Ill., E. Div., Doc. 1512, *The Dodge Chemical Co., Inc., et al.* v. *R. J. Hansen.* Consent judgment holding claim 6 valid and infringed, injunction Jan. 29, 1941.

2,090,874, H. C. Myers, Trailer, D. C. Oreg. (Portland), Doc. 169, *H. C. Myers* v. *Beall Pipe & Tank Corp.* Judgment for plaintiff Jan. 27, 1941.

2,108,702, H. T. Backhouse, Automatic sheet feeding machinery, filed Mar. 6, 1941, D. C., S. D. N. Y., Doc. 13/166, *Dexter Folder Co. et al.* v. *Strawberry Hill Press, Inc.*

2,134,048, J. B. Kessel, Washing machine, filed Mar. 3, 1941, D. C., N. D. Ill., E. Div., Doc. 2677, *L. Hoffberg* v. *Chicago Electric Mfg. Co.*

2,136,196, M. W. Pitner, Spacer for hair curlers, D. C., N. D. Ill., E. Div., Doc. 1723, *Products Development, Inc., et al.* v. *Gibbs & Co. et al.* Consent decree holding claims 1, 2, 3, 4, 11, 12, 13, 14, and 15 valid and infringed Mar. 6, 1941.

2,143,194, G. L. Holzapfel, Carburetion apparatus for internal combustion engines, filed Jan. 30, 1941, D. C., S. D. Calif., C. Div., Doc. 1385, *G. L. Holzapfel et al.* v. *R. E. Hanson.*

2,158,991, A. H. Stenersen, Mechanical pencil, D. C., N. D. Ill., E. Div., Doc. 1593, *The Wahl Co.* v. *Dur-O-Lite Pencil Co.* Consent holding patent valid and infringed, injunction Mar. 3, 1941.

2,186,143, E. A. Neugass, Illuminator, D. C., S. D. N. Y., Doc. 8/275, *Curvlite Products, Inc., et al.* v. *Micro-Lite Co., Inc., et al.* Consent judgment (notice Mar. 4, 1941).

2,192,650, J. D. Russell, Shuttle car, filed Mar. 3, 1941, D. C., W. D. Pa., Doc. 1269, *Joy Mfg. Co.* v. *Lee-Norse Co.*

2,206,243, D. Turano, Method of shearing furs, filed Mar. 10, 1941, D. C., S. D. N. Y., Doc 13/206, *Fur Grooving & Shearing Co., Inc.*, v. *The World Fur Cleaning & Shearing Co.*

2,214,794, M. W. Le Coq, Dress pattern, D. C., E. D. N. Y., Doc. 1520, *M. W. Le Coq* v. *Abraham & Straus, Inc.* Consent decree dismissing bill (notice Mar. 11, 1941).

2,219,974, E. A. Bellow, Smokers' ash tray and other articles adapted to rest on chair arms, filed Feb. 12, 1941, D. C., N. D. Ill., E. Div., Doc. 2619, *E. A. Bellow et al.* v. *Park Sherman Co., Inc., et al.*

Re. 17,852, O. C. Willis, Dust bag for suction cleaning apparatus, C. C. A., 6th Cir., Doc. 8722, *Electric Vacuum Cleaner Co., Inc.*, v. *The P. A. Geier Co.* Claims 2, 3, and 4 held invalid Mar. 6, 1941.

Re. 19,929, G. Slayter, Method of heat insulating, D. C., N. D. Ill., E. Div., Doc. 287, *Slayter & Co.* v. *Standard Lime & Stone Co.* Dismissed with prejudice Mar. 6, 1941.

Re. 20,370, T. E. Lefort, Process for the production of ethylene oxide, appeal filed Feb. 26, 1941, C. C. A., 4th Cir., Doc. 4774, *U. S. Industrial Chemicals, Inc.*, v. *Carbide & Carbon Chemicals Corp.*

Des. 104,094, B. A. Dickerson, Portable lamp, D. C., N. D. Ill., E. Div., Doc. 333, *Faries Mfg. Co.* v. *Park Sherman Co. et al.* Patent held invalid; dismissed on merits Feb. 20, 1941.

Des. 104,557, A. S. Campbell, Vertical bumper, D. C., S. D. N. Y., Doc. 3/259, *A. S. Campbell Co., Inc.*, v. *Rosy's Accessories, Inc.* Consent order (notice Mar. 1, 1941).

Des. 114,395, L. W. Goodkind, Lady's suit, filed Mar. 3, 1941, D. C., S. D. N. Y., Doc. 13/143, *Londonderry, Inc.*, v. *Joselli, Inc.*

Des. 116,279, H. Berman, Evening gown, D. C., S. D. N. Y., Doc. 9/10, *Harlene Frocks, Inc.*, v. *S. & M. Litt, Inc.* Consent judgment (notice Feb. 25, 1941).

Des. 116,426, M. N. Bryan, Hat, D. C., S. D. N. Y., Doc. 6/31, *Betmar Hats, Inc.*, v. *Young America Hats, Inc., et al.* Consent order of discontinuance as to Park Avenue Hats, Inc. Consent judgment as to remaining defendants (notice Feb. 24, 1941).

Des. 118,525, S. Zimmerman, Suit, D. C., S. D. N. Y., Doc. 7/303, *M. W. Haft & Bros., Inc.*, v. *Kessler, Schwartz & Co., Inc.* Consent judgment (notice Feb. 25, 1941). Doc. 7/305, *M. W. Haft & Bros., Inc.*, v. *Zimray, Inc.* Decree as above.

Des. 118,788, F. Sussman, Dress, D. C., S. D. N. Y., Doc. 7311, *Bretter & Sussman, Inc.*, v. *Feinberg-Wiesen, Inc.* Consent judgment (notice Mar. 8, 1941).

Des. 119,128, E. Kay, Dress ensemble, filed Mar. 7, 1941, D. C., S. D. N. Y., Doc. 13/178, *Roseweb Frocks, Inc.*, v. *Pomette Dress Corp.*

Des. 119,129, E. Kay, Dress ensemble, D. C., S. D. N. Y., Doc. 8/246, *Roseweb Frocks, Inc.*, v. *Louis Kalika, Inc.* Judgment (notice Mar. 10, 1941).

Des. 119,318, P. Helt, Dress, D. C., S. D. N. Y., Doc. 8/14, *Weinberg, Weinberg & Alpern* v. *Elgin Dress Co., Inc., et al.* Consent judgment as to L. Mayer & Co., Inc., Feb. 27, 1941. Consent order of discontinuance as to Elgin Dress Co., Inc., Mar. 5, 1941. Same, filed Mar. 7, 1941, D. C., S. D. N. Y., Doc. 13/177, *Weinberg, Weinberg & Alpern* v. *S. Schwartz & Bro.*

Des. 119,579, A. Ruchman, Dress, filed Mar. 3, 1941, D. C., S. D. N. Y., Doc. 13/144, *Apex Dress Co., Inc.*, v. *H. H. Greenberg, Inc.* Same, filed Mar. 6, 1941, D. C., S. D. N. Y., Doc. 13/162, *Apex Dress Co., Inc.*, v. *Stylefit Dress Co., Inc.*

Des. 120,080, S. Novak, Dress, D. C., S. D. N. Y., Doc. 9/64, *Flora Dress Co.* v. *Lamour Frocks, Inc.* Consent judgment (notice Feb. 27, 1941).

Des. 120,597, L. Beilinson, Dress, D. C., S. D. N. Y., Doc. 9/170, *L. & D. Beilinson, Inc.*, v. *Wald & Waltzer, Inc.* Consent order of discontinuance (notice Mar. 7, 1941).

Des. 121,016, B. A. Mitchell, Bed lamp, filed Feb. 25, 1941, D. C., N. D. Ill., E. Div., Doc. 2655, *Mitchell Mfg. Co. et al.* v. *March King, Inc., et al.*

Des. 121,745, L. Freidman, Handbag frame, filed Feb. 21, 1941, D. C., S. D. N. Y., Doc. 13/71, *Gold Seal Importers, Inc.*, v. *J. Jolles Studios, Inc.*

Des. 124,006, S. Novak, Dress ensemble, filed Feb. 25, 1941, D. C., S. D. N. Y., Doc. 13/82, *Flora Dress Co.* v. *Lombardy Dresses, Inc.*

Des. 124,839, S. Holstein, Button, filed Mar. 6, 1941, D. C., S. D. N. Y., Doc. 13/175, *Sterling Button Co., Inc.*, v. *Warsaw Button Co., Inc.*

Des. 125,236, I. Grobstein, Dress ensemble, filed Mar. 6, 1941, D. C., S. D. N. Y., Doc. 13/173, *Skytop Frocks, Inc.*, v. *Camel Dress Mfg. Co., Inc., et al.*

Des. 125,248, D. W. Price, Dress, filed Mar. 10, 1941, D. C., S. D. N. Y., Doc. 13/200, *Price-Schlesinger, Inc.*, v. *B. Fox.*

Des. 125,397, A. Glass, Dress ensemble, filed Feb. 25, 1941, D. C., S. D. N. Y., Doc. 13/81, *Kenwood Modes, Inc., v. Alps Fashions, Inc.*

Des. 125,399, M. Haon, Dress, filed Mar. 7, 1941, D. C., S. D. N. Y., Doc. 13/190, *Sheila-Lynn, Inc., v. R. H. Macy & Co., Inc.*

Des. 125,535, S. Ruchman, Dress, filed Mar. 10, 1941, D. C., S. D. N. Y., Doc. 13/207, *Apex Dress Co., Inc., v. Al-Jean Frocks, Co., Inc.* Same, filed Mar. 13, 1941, D. C., S. D. N. Y., Doc. 13/223, *Apex Dress Co., Inc., v. Fromberg Frocks, Inc.*

Des. 125,538, M. Fields, Dress ensemble, filed Feb. 25, 1941, D. C., S. D. N. Y., Doc. 13/85, *Parisian Mfg. Co., Inc., v. Casanova Frocks, Inc.* Same, filed Feb. 26, 1941, D. C., S. D. N. Y., Doc. 13/97, *Parisian Mfg. Co., Inc.*, v. *Herlee Frocks, Inc.*

Des. 125,540, L. Freidman, Handbag, filed Mar. 3, 1941, D. C., S. D. N. Y., Doc. 13/145, *Gold Seal Importers, Inc., v. Kruger-Ressner, Inc., et al.*

T. M. 373,764, G. F. Heublein & Bro., Whiskey, filed Feb. 26, 1941, D. C., M. D. Pa., Doc. 595, *G. F. Heublein & Bro. v. Bushmill Wine & Products Co., et al.*

TRADE-MARKS

OFFICIAL GAZETTE, MAY 13, 1941

[VOL. 526. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 439,860. JOHN R. EVANS & COMPANY, Camden, N. J. Filed Jan. 22, 1941.



Applicant disclaims the words "Evans Goat" apart from the mark.

FOR GOAT AND KID LEATHER IN GLAZED, MATT, GRAIN, AND SUEDE FINISHES.

Claims use since Dec. 21, 1940.

CLASS 2

RECEPTACLES

Ser. No. 424,982. ACME VENEER PACKAGE CO., INC., Orchard Park, N. Y. Filed Oct. 28, 1939.



The words "Ful-Pak" are claimed only in the association shown. No claim is made to the term "Orchard Park New York."

FOR BOXES, CRATES, AND BASKETS, AND PARTS THEREOF MADE OF WOOD AND/OR WOOD VENEER.

Claims use since July 8, 1938.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 440,042. THE COLEMAN & BELL COMPANY, Norwood, Ohio. Filed Jan. 28, 1941.

LITHO-KLEEN

No claim is made to the word "Kleen" apart from the mark.

FOR LIQUID SOLVENT USED TO CLEAN RUBBER BLANKETS AND ROLLERS USED ON LITHOGRAPHIC PRESSES.

Claims use since Jan. 8, 1941.

Ser. No. 441,074. THE ANDERSON COMPANY, Gary, Ind. Filed Feb. 28, 1941.

STAINEX

FOR SKIN CLEANSER AND STAIN REMOVER.

Claims use since Jan. 30, 1941.

Ser. No. 441,157. CLYDE COLLINS, INC., doing business as King Cotton Laboratories, Memphis, Tenn. Filed Mar. 3, 1941.

KING COTTON



FOR BRUSHLESS SHAVING CREAM.

Claims use since Aug. 16, 1940.

Ser. No. 441,291. SANDOZ CHEMICAL WORKS, INC., New York, N. Y. Filed Mar. 6, 1941.

SANDOZOL

FOR LEATHER SOFTENING PREPARATIONS AND DETERGENTS FOR USE IN THE TEXTILE INDUSTRY, IN THE PAPER INDUSTRY, AND IN THE LEATHER INDUSTRY.

Claims use since May, 1933.

Ser. No. 441,696. CLARK-CLEVELAND, INCORPORATED, Binghamton, N. Y. Filed Mar. 19, 1941.

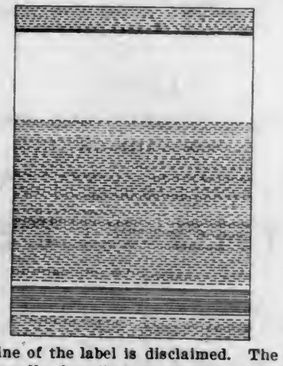
PLAXOL

FOR POWDER FOR CLEANING DENTAL PLATES. Claims use since Jan. 7, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 423,007. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Aug. 25, 1939.



The outline of the label is disclaimed. The trade-mark may be generally described as showing a series of horizontal colored bands including a narrow gray band at the top with a contiguous thin band of blue immediately below it and then starting from the bottom with a narrow band of gray about the same or slightly lesser height than the gray band at the top of the trade-mark and immediately above and contiguous to the bottom gray band a thin light or white band immediately above which is a blue band of about the same thickness as the gray band at the top of the trade-mark and immediately above that blue band is another light or white thin band similar to the lower light or white band. Thus, there have been described the general appearance of the trade-mark at the top and at the bottom portion, both of which enclose the balance of the trade-mark which may be referred to as the intermediate or body portion of the trade-mark, which intermediate portion consists of two bands the lower one of which may be referred to as the major (lower) intermediate band consisting of gray and the upper one may be referred to as the minor intermediate band appearing in light or white color.

FOR WARES ORDINARILY AND COMMERCIALLY DESCRIBED AS ALL KINDS OF PHARMACEUTICAL AND MEDICINAL GOODS, WARES, PRODUCTS, AND PREPARATIONS, FOR INTERNAL AND ALSO FOR EXTERNAL USE, WHETHER IN THE FORM OF AMPULES, POWDERS, GRANULES, TABLETS, PILLS, CAPSULES, SALTS, ELIXIRS, EXTRACTS, EMULSIONS, SOLUTIONS, LIQUIDS, OR ANY OTHER SUITABLE FORM IN WHICH SUCH PREPARATIONS MAY BE MARKETED, AND WITHOUT RESTRICTION AS TO FORM OR TO THE INDIVIDUAL, SPECIFIC PRODUCTS, AND EXEMPLIFIED BY ACIDIFIERS, ALKALINIZERS, ALTERATIVES, ANALGESICS, ANESTHETICS, ANODYNES, ANTACIDS, ANTHELMINTICS, ANTIASTHMATICS, ANTIEMETICS, ANTILUETICS, ANTIMALARIALS, ANTINEURITIC AGENTS, ANTIPELLAGRIC AGENTS, ANTIPERIODICS, ANTIPRURITICS, ANTIPYRETICS, ANTIRACHITIC AGENTS, ANTIRHEUMATICS, ANTISCABIOUS AGENTS, ANTISCORBUTIC AGENTS, ANTISEPTICS, ANTISPASMODICS, ANTISYPHILITICS, ASTRINGENTS, CARDIAC STIMULANTS, CATHARTICS, CHEMOTHERAPEUTIC AGENTS, CHOLAGOGUES, CIRCULATORY DEPRESSANTS, COUNTER-IRRITANTS, DENTIFRICES, DEODORANTS, DIAPHORETICS, DIETARY SUPPLEMENTS, DIGESTANTS, DISINFECTANTS, DIURETICS, DRESSINGS SURGICAL, ECBOLICS, EMMENAGOGUES, EMOLLIENTS, ENDOCRINE PRODUCTS, EXPECTORANTS, FUNGICIDES, GERMICIDES, GLANDULAR STIMULANTS, GONOCOCCIDES, HEMATINICS, HEMATOPOIETICS, HEMORRHOIDAL AGENTS, HEMOSTATICS, HEPATIC STIMULANTS, HYPNOTICS, INCONTINENCE AGENTS, INHALANTS, INTESTINAL ANTISEPTICS, KERATOLYTIC AGENTS, LAXATIVES, LUBRICANTS, MILK MODIFIERS, NASAL MEDICAMENTS, NUTRIENTS, OPOTHERAPICS, OPHTHALMIC AGENTS, ORGANOTHERAPEUTICS, OXYTOCICS, PARASITICIDES, RUBIFACIENTS, SCLEROSING AGENTS, SEDATIVES, SPRAYS (NASAL), SPRAYS (THROAT), STOMACHICS, SURGICAL LUBRICANTS, TONICS, URINARY ANTISEPTICS, URINARY ACIDIFIERS, URINARY ALKALINIZERS, UTERINE SEDATIVES, VASOCONSTRICTORS, VASODILATORS, AND VITAMIN PREPARATIONS; AND ALSO INDICATED BY CRUDE DRUGS SUCH AS ROOTS, HERBS, LEAVES, FLOWERS, SEEDS, BARKS, GUMS AND THE LIKE, AND EXTRACTS AND OTHER PREPARATIONS DERIVED FROM SUCH CRUDE DRUGS, AND FURTHER ILLUSTRATED BY THE FOLLOWING PREPARATIONS, FOR EXAMPLE, IN AMPULE FORM: BISMUTH SUBSALICYLATE, CAFFEINE WITH SODIUM BENZOATE, CALCIUM CACODYLATE, CALCIUM CHLORIDE, CALCIUM LACTATE, CAMPHOR IN OIL, CORPUS LUTEUM EXTRACT, DEXTROSE (D-GLUCOSE), EMETINE HYDROCHLORIDE, EPHEDRINE SULFATE, GLYCEROPHOSPHATES COMP., INTERSTITIAL SALT SOLUTION, IRON ARSENITE, IRON ARSENITE WITH STRYCHNINE, IRON CACODYLATE, IRON CACODYLATE AND SODIUM GLYCEROPHOSPHATE, IRON CITRATE GREEN, MAGNESIUM SULFATE, METHENAMINE, METHYLENE BLUE, OVARIAN EXTRACT, OVARIAN RESIDUE EXTRACT, PHENOLSULFONPHTHALEIN, PITUITARY EXTRACT (OBSTETRICAL), PITUITARY EXTRACT (SURGICAL), QUININE DIHYDROCHLORIDE, QUININE AND UREA HYDROCHLORIDE, RINGER'S SOLUTION (CONCENTRATED), SODIUM CACODYLATE, SODIUM CITRATE, SODIUM IODIDE, SODIUM IODIDE AND SODIUM SALICYLATE, SODIUM SALICYLATE, SODIUM SALICYLATE AND IODIDE WITH COLCHICINE, SODIUM THIOSULFATE, WATER (DOUBLE DISTILLED), AND WATER (TRIPLE DISTILLED); AND ALSO BY THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF DRY-FILLED CAPSULES: ACETYLSALICYLIC ACID, BLAUD'S PILL MASS; BLAUD, ARSENIC AND NUX VOMICA; CALOMEL, RHUBARB AND COLOCYNTH COMP.; CATHARTIC COMP., CORPUS LUTEUM, EPHEDRINE HYDROCHLORIDE, EPHEDRINE SULFATE, IRON AND AMMONIUM CITRATE, OVARIAN SUBSTANCE, PHENYL-PROPANOL-AMINE HYDROCHLORIDE, QUININE BISULFATE, QUININE SULFATE; AND ALSO BY THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF SOLUBLE ELASTIC CAPSULES: APIOL AND ERGOTIN COMP., CASTOR OIL, COD LIVER OIL, COD LIVER OIL AND CREOSOTE; COPAIBA, CUBEB AND SANTAL; COPAIBA AND SANTAL, METHYLENE BLUE AND SANTAL COMP., SALOL AND CASTOR OIL; SALOL, CUBEB AND COPAIBA; SALOL, CUBEB AND SANTAL; SANTAL OIL, SANTAL AND SALOL COMP., WHEAT GERM OIL; AND ALSO BY THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF CERATES: ROSIN, ROSIN COMP.; AND ALSO BY THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF CONCENTRATIONS: ALOIN, LUPULIN, PODOPHYLLIN; ALSO BY THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF CORDIALS: BEEF AND WHEAT PEPTONIZED; CASTOR OIL WITH PHENOLPHTHALEIN, NEUTRALIZING, RHUBARB AND HYDRASTIS COMP.; ALSO BY THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF EFFERVESCENT SALTS: STRONTIUM AND AMMONIUM SALICYLATES, SODIUM PHOSPHATE; ALSO BY THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF ELIXIRS: ACETANILID, BROMIDE AND PHENACETIN COMP.; ALETRIS AND VIBURNUM COMP., ALOE AND RUE COMP., AMMONIUM VALERATE; AROMATIC (NON-ALCOHOLIC), AROMATIC, BASIC FOR MAKING BASHAM'S MIXTURE, BROMIDES (NON-ALCOHOLIC), BROMIDES NO. 1, BROMIDES AND HYOSCYAMUS COMP.; BUCHU, JUNIPER AND POTASSIUM ACETATE; CAFFEINE, POTASSIUM AND SODIUM BROMIDES; CALCIUM AND SODIUM GYLCEROPHOSPHATES, CALISAYA BARK, CATNEP AND FENNEL, CINCHONA ALKALOIDS; DIOSCOREA, ALETRIS AND VIBURNUM COMP.; DIURETIC, EUPHORBIA COMP., GENTIAN, GENTIAN GLYCERINATED, GENTIAN AND IRON, GLYCEROPHOSPHATES COMP., GLYCEROPHOSPHATES WITH NUX VOMICA AND DAMIANA, GUARANA AND CELERY, HELONIAS AND SQUAW VINE COMP., HYDRANGEA AND LITHIUM, HYDRASTIS COMP.; IRON, QUININE AND STRYCHNINE; IRON, QUININE AND STRYCHNINE PHOSPHATES; IRON AND QUININE WITH STRYCHNINE PHOSPHATE, LACTICATED PEPSIN; LACTICATED PEPSIN WITH IRON, QUININE AND STRYCHNINE PHOSPHATES; LUPULIN AND BROMIDES COMP., PASSIFLORA AND BROMIDE COMP., PEPSIN COMP., PEPSIN AND BISMUTH; PEPSIN, BISMUTH AND STRYCHNINE; PEPSIN AND RENNIN; PHENOBARBITAL; PHOSPHORUS, NUX VOMICA AND DAMIANA, POTASSIUM BROMIDE, QUINIDINE AND ASARUM COMP., RHUBARB AND PANCREATIN COMP. ALKALINE, SALICYLIC ACID AND GELSEMIUM COMP. #1, SALICYLIC ACID AND GELSEMIUM COMP. #2, SAW PALMETTO AND CORN SILK COMP., SAW PALMETTO AND CORN SILK COMP. #2, SAW PALMETTO AND SANTAL COMP., SIX GLYCEROPHOSPHATES, SODIUM BROMIDE, TERPIN HYDRATE, TERPIN HYDRATE AND GELSEMIUM COMP., WITH CODEINE, TERPIN HYDRATE AND CODEINE, TERPIN HYDRATE AND CREOSOTE COMP., THREE BROMIDES, TONGA AND SALICYLATE COMP., VIBURNUM AND HYDRASTIS COMP., VIBURNUM AND SCUTTELLARIA COMP.; ALSO BY THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF EMULSIONS: COD LIVER OIL WITH HYPOPHOSPHITES, PETROLEUM COMPOUND WITH HYPOPHOSPHITES; ALSO BY THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF FLUID EXTRACTS: ACONITE, ALETRIS, ALOE FOR TINCTURE, ARNICA, ASAFETIDA FOR TINCTURE, ASARUM, ASCLEPIAS, ASPIDOSPERMA, AVENA, BAMBOO BRIER COMP., BAPTISIA, BAY LAUREL CONCENTRATED, BELLADONNA LEAF, BELLADONNA ROOT, BENZOIN FOR TINCTURE, BENZOIN COMP. FOR TINCTURE, BERBERIS, BLUE FLAG, BOLDO, BRYONIA, BUCHU, CACTUS GRANDIFLORUS, CALENDULA, CALUMBA, CAPSICUM, CARDAMON, CARDAMON COMP. FOR TINCTURE, CASCARA AROMATIC, CASCARA SAGRADA, CASCARA SAGRADA AROMATIC, CASCARA SAGRADA FREE FROM BITTERNESS, CASTANEA, CATECHU COMP. FOR TINCTURE, CATNEP, CAULOPHYLLUM, CELERY FRUIT, CHAPARRO AMARGOSO, CHIMAPHILA, CHIONANTHUS, CIMICIFUGA, CINCHONA DETANNATED, CINCHONA COMP. FOR TINCTURE, CINCHONA (RED), CINNAMON, CINNAMON SOLUBLE FOR FLAVORING, COLCHICUM CORM, COLCHICUM SEED, COLOCYNTH, CONDURANGO, CORN SILK, COTTON ROOT BARK, CUBEB, CYPRIPEDIUM, DAMIANA, DIOSCOREA, ECHINACEA, EPHEDRA, ERGOT, ERIODICTYON, EUCALYPTUS, EUONYMUS, EUPATORIUM, EUPHORBIA, PILULIFERA, FRANGULA, GAMBIR COMP. FOR TINCTURE, GARDEN CELANDINE, GELSEMIUM, GENTIAN, GENTIAN COMP. FOR TINCTURE, GINGER, GINGER SOLUBLE FOR SYRUP, GLYCYRRHIZA, GLYCYRRHIZA FOR QUININE MIXTURE, GOLDEN SEAL AQUEOUS, GRINDELIA, GRINDELIA SOLUBLE FOR SYRUP, GUAIAC FOR TINCTURE, GUARANA, HAMAMELIS LEAF, HAWTHORN BERRIES, HEMLOCK COMP. COLORLESS, HOPS, HYDRANGEA, HYDRASTIS, HYOSCYAMUS, IPECAC, JALAP, JAMAICA DOGWOOD, JUNIPER BERRIES, KAVA, KOLA, KRAMERIA, LAPPA, LARKSPUR SEED, LARKSPUR ACETIC FOR TINCTURE, LAVENDER COMP. FOR TINCTURE, LEMON SOLUBLE FOR FLAVORING, LEPTANDRA, LOBELIA, MANACA, MARRUBIUM, MYRRH, NUX VOMICA, OPIUM CAMPHORATED, OPIUM CONCENTRATED, ORANGE AROMATIC, ORANGE PEEL (BITTER), ORANGE PEEL (SWEET), ORANGE PEEL SOLUBLE FOR SYRUP, PAREIRA, PASSIFLORA, PEPPERMINT SOLUBLE FOR FLAVORING, PHYTOLACCA, PILOCARPUS, PODOPHYLLUM, PULSATILLA, QUASSIA, QUEEN OF THE MEADOW, RED CLOVER COMP. FOR SYRUP, RHAMNUS CATHARTICA, RHUBARB, RHUBARB AROMATIC FOR TINCTURE AND SYRUP, RHUS AROMATICA, RHUS GLABRA, RHUS TOXICODENDRON, ROSE, ROSE SOLUBLE FOR FLAVORING, RUBUS, RUMEX, SABAL, SANDALWOOD, SANGUINARIA, SARSAPARILLA, SARSAPARILLA COMP. FOR SYRUP, SARSAPARILLA COMP., SCOPARIUS, SCUTELLARIA, SENEGA, SENNA, SENNA U.S.P., SERPENTARIA, SKUNK CABBAGE, SOLANUM, SPIGELIA, SPIGELIA AND SENNA, SQUILL, SQUILL COMP., STILLINGIA, STILLINGIA COMP., STRAMONIUM, SUMBUL, TAR SOLUBLE FOR SYRUP, TARAXACUM, THYME, TOLU SOLUBLE FOR SYRUP, TONGA, TRIFOLIUM, TRIFOLIUM COMP., TRITICUM, UVA URSI, VALERIAN, VERATRUM VIRIDE, VIBURNUM OPULUS, VIBURNUM PRUNIFOLIUM, WHITE PINE BARK, WHITE PINE COMP. FOR SYRUP, WILD CHERRY, WILD CHERRY BARK FOR SYRUP, ZANTHOXYLUM, YERBA SANTA AROMATIC FOR SYRUP; ALSO BY THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF POWDERED EXTRACTS: ALOE, BELLADONNA LEAF, CASCARA SAGRADA, CINCHONA, COLOCYNTH, COLOCYNTH COMP., COTTON ROOT BARK, DAMIANA, ERGOT, GELSEMIUM, GENTIAN, HAMAMELIS LEAF, HYDRASTIS, HYOSCYAMUS, IPECAC, JALAP, LEPTANDRA, NUX VOMICA, PHYTOLACCA, PODOPHYLLUM, RHUBARB, STRAMONIUM, SUMBUL, TARAXACUM, VALERIAN, VIBURNUM PRUNIFOLIUM; ALSO BY THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF SOLID EXTRACTS: BELLADONNA, GENTIAN, GLYCYRRHIZA, STRAMONIUM, TARAXACUM; ALSO BY THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF GLOBULES (ALSO KNOWN AS PEARLS): BENZYL BENZOATE, COLCHICINE AND METHYL SALICYLATE, COPAIBA, CREOSOTE WITH COD LIVER OIL, CREOSOTE CARBONATE, METHYLENE BLUE COMP., METHYLENE BLUE COMP. (HORWITZ), SANTAL OIL, SANTAL OIL COMP. #2, AND TURPENTINE OIL; ALSO THE FOLLOWING, FOR EXAMPLE IN THE FORM OF LINIMENTS: CAMPHOR, CAMPHOR AND SOAP, CAMPHORATED WHITE, CHLOROFORM, TURPENTINE ACETIC, AND WHITE LINIMENT; ALSO THE FOLLOWING FOR EXAMPLE, IN THE FORM OF MEDICATED LOZENGES: BROWN MIXTURE, BROWN MIXTURE MODIFIED (WITHOUT OPIUM), BROWN MIXTURE WITH AMMONIUM CHLORIDE; BROWN MIXTURE WITH AMMONIUM CHLORIDE, MODIFIED, (WITHOUT OPIUM); CHLOROFORM THROAT, EXPECTORANT, EXPECTORANT MENTHOLATED, PEPSIN BISMUTH AND CHARCOAL, PEPSIN BISMUTH MAGNESIA AND GINGER, PEPSIN CHARCOAL MAGNESIA AND GINGER, SULFUR AND CREAM OF TARTAR; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF MIXTURES: BISMUTH AND SALOL COMP. MIXTURE WITH PAREGORIC, BROWN MIXTURE (MIXTURE OPIUM AND GLYCHRRHIZA COMP.), COPAIBA MIXTURE, MIXTURE OPIUM AND CHLOROFORM COMPOUND (SQUIBB'S MIXTURE), RHUBARB COMP., SALOL AND COPAIBA COMP., AND STOKE'S EXPECTORANT (MISTURA PECTORALIS); ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF NARCOTIC ELIXIRS: MORPHINE AROMATIC; ALSO THE FOLLOW-

ING, FOR EXAMPLE, IN THE FORM OF NARCOTIC FLUID EXTRACTS: OPIUM CAMPHORATED FOR MAKING TINCT. OPIUM CAMPHORATED (PAREGORIC), OPIUM CONCENTRATED FOR MAKING TINCT. OPIUM (LAUDANUM); ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF NARCOTIC POWDERED EXTRACTS: OPIUM; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF NARCOTIC PILLS AND GRANULES: OPIUM AND LEAD; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF NARCOTIC POWDERS: IPECAC AND OPIUM; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF NARCOTIC SUPPOSITORIES: CACAO BUTTER; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF NARCOTIC SYRUPS: IPECAC AND OPIUM (DOVER'S POWDER); ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF NARCOTIC TABLETS: ACETANILID COMP. WITH CODEINE, BISMUTH-CERIUM COMPOUND, BROWN MIXTURE, CHLORODYNE, CHLORODYNE (HALF STRENGTH), COCAINE HYDROCHLORIDE, CODEINE SULFATE, CORYZA, DOVER'S POWDER, LEAD-OPIUM COMP., MORPHINE SULFATE, MORPHINE AND ATROPINE, OPIUM POWDERED, OPIUM AND LEAD, SUN MIXTURE; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF NARCOTIC DISPENSARY TABLETS: COCAINE HYDROCHLORIDE, CODEINE SULFATE, MORPHINE SULPHATE; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF NARCOTIC HYPODERMIC TABLETS: APOMORPHINE HYDROCHLORIDE, COCAINE HYDROCHLORIDE, CODEINE PHOSPHATE, CODEINE SULFATE, MORPHINE SULFATE, MORPHINE AND ATROPINE, MORPHINE AND SCOPOLAMINE, MORPHINE AND SCOPOLAMINE COMP.; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF NARCOTIC TINCTURES: IPECAC AND OPIUM, OPIUM, OPIUM COMP.; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF OINTMENTS: ACID CARBOLIC AND ZINC OXIDE COMP., ALUM COMP., AMMONIATED MERCURY, ASTRINGENT COMP., BASILICON (CERATE ROSIN), BELLADONNA, BENZOIC ACID COMP. (WHITFIELD'S OINTMENT), BISMUTH-FORMIC-IODIDE COMP., BLUE (MERCURIAL), BORIC ACID, CALOMEL, CAPSICUM AND CAMPHOR COMPOUND, CARRON OIL, CITRINE, COLD CREAM, DIACHYLON, EPHEDRINE, ESKAR, GELATIN COMPOUND PHENOLIZED, GLYKOL, PROPHYLACTIC, ICHTHYOL, KAROL, LANOLIN, LEAD OLEATE, LIP SALVE, NASAL EMOLLIENT, MERCURIAL, MERCURIC NITRATE, METHYL SALICYLATE WITH MENTHOL, NUTGALL, PHENOL, PINE TAR, PHENYL-PROPANOL-AMINE HYDROCHLORIDE, RESORCINOL COMPOUND, CAPSICUM AND CAMPHOR COMPOUND, SILVER PROTEIN MILD, SIMPLE, STRAMONIUM, SULFUR, SULFUR AND ICHTHYOL COMPOUND, SULFUR COMPOUND, TANNIC ACID, UNGUENTUM TERRALIS, WHITE PRECIPITATE, ZINC OXIDE, ZINC OXIDE COMPOUND, ZINC OXIDE PASTE, ZINC OXIDE PASTE WITH SALICYCLIC ACID; ALSO THE FOLLOWING FOR EXAMPLE, IN THE FORM OF OPHTHALMIC OINTMENTS: AMMONIATED MERCURY, ATROPINE SULFATE, BORIC ACID, SILVER PROTEIN MILD, CONJUNCTIVITIS, COPPER CITRATE, ICHTHYOL, MERCURIC OXIDE YELLOW, MERCURY BICHLORIDE; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF OLEATES: MERCURY; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF OLEORESINS: ASPIDIUM, CAPSICUM, AND CUBEB; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF PILLS AND GRANULES: ALOE, ALOE COMPOUND, ALOE AND MASTIC, ALOE AND PODOPHYLLIN COMPOUND, ALOIN, ALOIN STRYCHNINE AND BELLADONNA, ALOIN STRYCHNINE BELLADONNA AND CASCARA, ARSENIC TRIOXIDE, ASAFETIDA, BLAUD MASS, BLAUD'S (FERROUS CARBONATE), BLAUD ARSENIC AND NUX VOMICA, BLAUD ARSENIC AND STRYCHNINE, BLAUD ARSENIC STRYCHNINE AND CORROSIVE SUBLIMATE COMPOUND, BLAUD ARSENIC AND NUX VOMICA COMPOUND, BLAUD WITH ARSENIC, BLAUD WITH STRYCHNINE, BLUE MASS, BLUE MASS COMPOUND, BLUE MASS AND COLOCYNTH COMPOUND, CACTUS NITROGLYCERIN AND STRYCHNINE COMPOUND, CALCIUM SULFIDE, CALOMEL DIGITALIS AND SQUILL, CASCARA COMPOUND WITH STRYCHNINE, CASCARA COMPOUND WITH STRYCHNINE (MODIFIED), CASCARA COMPOUND WITHOUT STRYCHNINE, CASCARA SAGRADA EXTRACT, CATHARTIC COMPOUND, CATHARTIC GRANULES, CATHARTIC VEGETABLE, COLOCYNTH AND JALAP COMPOUND, COLOCYNTH BLUE MASS AND STRYCHNINE COMPOUND, DIGITALIS SQUILL AND MERCURY, DINNER (LADY WEBSTER), DIURETIC SPECIAL, ERGOTIN, ERGOTIN AND ALOE COMPOUND, FERROUS IODIDE, GLONOIN, HEXYLRESORCINOL, ICHTHYOL, IRON IODIDE, IRON QUININE AND STRYCHNINE, IRON QUININE AND ZINC VALERATES, IRON QUININE STRYCHNINE AND ARSENIC (AITKEN), LAPACTICAE, MERCURIC OXIDE RED, MERCURIC OXIDE YELLOW, METHYLENE BLUE, METHYLENE BLUE AND KAVA KAVA COMPOUND, NITROGLYCERIN, PHENOLPHTHALEIN ALOIN AND STRYCHNINE COMPOUND, PHOSPHORUS AMORPHOUS, PHOSPHOROUS NUX VOMICA AND DAMIANA, PODOPHYLLIN, PODOPHYLLIN COMPOUND, POSTPARTUM, QUININE ARSENIC AND STRYCHNINE COMPOUND, QUININE SULFATE, RHUBARB COMPOUND, SILVER NITRATE, STRYCHNINE SULFATE, SUMBUL AND ARSENIC COMPOUND, THREE VALERIANATES, TONIC (AITKEN), WARBURG'S (ANTIPERIODIC); ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF SOLUTIONS: ACID PHOSPHATES, ALKALINE AROMATIC, ANTISEPTIC, ARSENOUS AND MERCURIC IODIDE, BOROGLYCERIDE, HEXYLRESORCINOL IN OIL, CRESOL SAPONATED, HEPTYLRESORCINOL IN OIL, EPHEDRINE, FERRI-MANGAN COMPOUND, FERROUS IODIDE CONCENTRATED, FOWLER'S (POTASSIUM ARSENITE), GOLD BROMIDE AND ARSENIC, HEXYLRESORCINOL IN GLYCERIN, HYDRASTINE AND BISMUTH, HYDRASTINE COLORLESS, HYDRIODIC ACID, HYPOPHOSPHITES COMPOUND, INTERSTITIAL SALT SOLUTION, IRON CHLORIDE, IRON SUBSULFATE, LEAD SUBACETATE, NITROGLYCERIN, PHENYL-PROPANOL-AMINE HYDROCHLORIDE, RINGER'S SOLUTION CONCENTRATED, SILVER NITRATE, AND TANNIC ACID; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF SPIRITS: AMMONIA AROMATIC, CAMPHOR, CHLOROFORM, ETHER COMPOUND, HOFFMAN'S ANODYNE, LEMON ESSENCE, NITROGLYCERIN, PEPPERMINT ESSENCE; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF SUPPOSITORIES: CACAO BUTTER (RECTAL) AND VARIOUS OTHER FORMS AND COMPOSITIONS OF SUPPOSITORIES, TANNIC ACID AND ICHTHYLOL COMPOUND, BOROGLYCERIDE (VAGINAL), ICHTHYOL COMPOUND, AND GLYCERIN (RECTAL); ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF SYRUPS: AMMONIUM CHLORIDE IPECAC AND SQUILL COMPOUND, AMMONIUM HYPOPHOSPHITE, BROMIDES, CALCIUM LACTO-PHOSPHATE, CHERRY, CINCHONA ALKALOIDS, CODEINE AND EUCALYPTUS COMPOUND, DOVER'S POWDER, FERROUS IODIDE, HYDRIODIC ACID, HYPOPHOSPHITES, HYPOPHOSPHITES COMPOUND, HYPOPHOSPHITES COMPOUND CLEAR, HYPOPHOSPHITES COMPOUND CLOUDY (SIX HYPOPHOSPHITES), IPECAC, IPECAC AND PHOSPHORIC ACID COMPOUND WITH CODEINE, PINE TAR, PINUS ALBA COMPOUND WITH EUCALYPTOL AND HONEY, TRIFOLIUM AND IODINE COMPOUND, RHUBARB, RHUBARB AROMATIC, SARSAPARILLA COMPOUND, SQUILL, SQUILL COMPOUND, TAR, TOLU, BALSAM, TOLU AND CODEINE COMPOUND, TONIC HYPOPHOSPHITES, WHITE PINE COMPOUND, WHITE PINE COMPOUND WITH MORPHINE, WHITE PINE COMPOUND WITH CODEINE, WHITE PINE COMPOUND WITH MORPHINE AND TAR, WHITE PINE COMPOUND WITHOUT MORPHINE, WHITE PINE COMPOUND WITHOUT MORPHINE WITH TAR, WILD CHERRY, WILD CHERRY AND GUAIACOL WITH MALT AND TAR, YERBA SANTA AROMATIC; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF POWDERS: BORIC ACID, BORIC ACID AND PROCAINE, CHALK COMPOUND, JALAP COMPOUND, PHENOLATED BORIC ACID AND ALUM COMPOUND, SENNA COMPOUND, SODIUM PHOSPHATE GRANULAR, ZINC OXIDE, ZINC SULFATE COMPOUND; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF TABLETS (INCLUDING TABLET TRITURATES, COMPRESSED TABLETS, SUGAR-COATED TABLETS AND CHOCOLATED-COATED TABLETS): ACETANILID, ACETANILID CAFFEINE AND SODA, ACETANILID COMPOUND, ACETANILID AND CAFFEINE COMPOUND, ACETANILID AND CAFFEINE COMPOUND WITH CODEINE, ACETANILID CAFFEINE AND SODA COMPOUND, ACETANILID AND HYOSCYAMUS COMPOUND, ACETYLSALICYLIC ACID COMPOUND, ACETYLSALICYLIC ACID COMPOUND WITH CODEINE PHOSPHATE, ACETYLSALICYLIC ACID, ACETYLSALICYLIC ACID FLAVORED WITH WINTERGREEN, ACONITE-BICHROMATE COMPOUND, ACONITE-BINIODIDE COMPOUND, ALKALINE AROMATIC, ALOIN BELLADONNA PODOPHYLLIN AND NUX VOMICA, ALOIN BELLADONNA STRYCHNINE AND CASCARA, ALOIN CASCARIN AND PODOPHYLLIN COMPOUND, ALOIN STRYCHNINE AND BELLADONNA, ALOIN STRYCHNINE BELLADONNA AND IPECAC, AMINOPYRINE, AMMONIUM CHLORIDE, AMMONIUM CHLORIDE AND CUBEB COMPOUND, AMMONIUM SALICYLATE, AMMONIUM SALICYLATE AND PHENACETIN, ANALGINE (ACETANILID AND SODIUM SALICYLATE COMPOUND), ANODYNE INFANTS (WAUGH), ANODYNE COMPOUND (ACETANILID COMPOUND POWDER), ANTACID, ANTIASTHMATIC (EUPHORBIA COMPOUND), ANTI-CONSTIPATION (CASCARA NUX VOMICA AND PODOPHYLLIN COMPOUND), ARSENIC-SULFUR COMPOUND, ARSENIC TRIOXIDE, ASAFETIDA, ASAFETIDA NUX VOMICA AND ZINC PHOSPHIDE COMPOUND Rx A, ATROPINE SULFATE, BARBITAL, BELLADONNA EXTRACT, BELLADONNA CUBEB AND NUX VOMICA COMPOUND, BISMUTH BETANAPHTHOL AND ZINC PHENOLSULFONATE COMPOUND, BISMUTH SUBCARBONATE, BISMUTH SUBGALLATE, BISMUTH SUBNITRATE, BISMUTH AND MAGNESIA, BISMUTH AND PAREGORIC COMPOUND, BISMUTH AND PEPSIN COMPOUND, BISMUTH-SALOL COMPOUND, BISMUTH MAGNESIA AND SODA, BITTER TONIC, BLANK (NOT MEDICATED), BLAUD (BLAUD'S MASS), BLAUD ARSENIC AND STRYCHNINE COMPOUND, BLAUD ARSENIC STRYCHNINE AND CORROSIVE SUBLIMATE COMPOUND, BLAUD ARSENIC STRYCHNINE AND MANGANESE COMPOUND, BLAUD LAXATIVE COMPOUND WITH ARSENIC AND STRYCHNINE, BLAUD WITH ARSENIC, BLAUD NUX VOMICA AND CASCARA, BLAUD NUX VOMICA CASCARA AND ARSENIC, BORIC ACID, BORIC ACID AND ZINC SULFOCARBOLATE, BROWN MIXTURE MODIFIED (WITHOUT OPIUM), BROWN MIXTURE COMPOUND WITH AMMONIUM CHLORIDE, BUCHU AND HYOSCYAMUS COMPOUND, BUCHU AND ATROPINE COMPOUND ACID, BUCHU AND ATROPINE COMPOUND ALKALINE, CACTUS AND STRYCHNINE COMPOUND, CAFFEINE CITRATED, CALCIUM CARBONATE AROMATIC, CALCIUM GLUCONATE, CALCIUM HYDROXIDE, CALCIUM IODIDE, CALCIUM LACTATE, CALCIUM LACTATA COMPOUND, CALCIUM SULFIDE, CALOMEL (MERCUROUS CHLORIDE MILD), CALOMEL COMPOUND, CALOMEL IPECAC AND SODA, CALOMEL AND PHENOLPHTHALEIN, CALOMEL AND RHUBARB, CALOMEL AND RHUBARB COMPOUND, CALOMEL RHUBARB AND COLOCYNTH COMPOUND, CALOMEL AND SODA, CALOMEL SODA AND PODOPHYLLIN, CAMPHOR HYOSCYAMUS AND VALERIAN, CASCARA COMPOUND, CASCARA COMPOUND WITH STRYCHNINE, CASCARA COMPOUND WITH STRYCHNINE MODIFIED, CASCARA COMPOUND WITHOUT STRYCHNINE, CASCARA AND PODOPHYLLIN COMPOUND, CASCARA NUX VOMICA AND PODOPHYLLIN COMPOUND, CASCARA SAGRADA EXTRACT, CASCARIN ALOIN AND PODOPHYLLIN COMPOUND, CATHARTIC "ACTIVE," CATHARTIC VEGETABLE, CATHARTIC COMPOUND, CATHARTIC COMPOUND IMPROVED, CERIUM OXALATE, CHARCOAL, CHARCOAL AND PEPSIN, CHARCOAL AND PEPSIN COMPOUND, CHLORAL HYDRATE, CHROMIUM SULFATE, CINCHOPHEN, COLCHICINE, COLD LAXATIVE, COLD LAXATIVE FOR CHILDREN, COLOCYNTH IPECAC AND BLUE MASS, CONJUNCTIVITIS (LOCAL USE), COPAIBA AND CUBEB COMPOUND, COPPER ARSENITE, CORYZA, CREOSOTE, CUBEB AND COPAIBA COMPOUND, CYSTITIS, DAMIANA NUX VOMICA AND ZINC PHOSPHIDE COMPOUND, DERMATITIS, DIARRHEA, DIASTASE AND PEPSIN COMPOUND, DIETHYLBARBITURIC ACID, DIGESTIVE AROMATIC, DIGITALIN PURE, DIGITALIS AND STROPHANTHUS, DIURETIC, DOBELL SOLUTION, DOVER'S POWDER, ENDOMETRITIS, ENZYME COMPOUND AROMATIC, ERGOTIN, ERGOTIN AND ALOE COMPOUND, EUPHORBIA IODIDE AND BROMIDE COMPOUND, EXPECTORANT, FEVER, FLATULENCE, FOLLICULAR TONSILLITIS, FORMIN, GALLIC ACID AND HYDRASTIN COMPOUND, GALITHOS, GARGLE, GENTIAN STRYCHNINE AND RHUBARB COMPOUND, GOLD AND SODIUM CHLORIDE, GUAIAC COLICHICINE AND IODIDE COMPOUND, HEART STIMULANT, HEPATIC, HEXAMETHYLENAMINE, HEXAMETHYLENAMINE WITH SODIUM ACID PHOSPHATE, HYOSCINE HYDROBROMIDE, INCONTINENCE, INFANT (IVES), IODO-CASEIN, IODO-CASEIN WITH CHOCOLATE, IPECAC AND ANTIMONY, IPECAC AND OPIUM, IRON ARSENIC AND STRYCHNINE, IRON OXIDE SACCHARATED, IRON QUININE AND STRYCHNINE, IRON QUININE STRYCHNINE AND ARSENIC, IRON REDUCED, KISSINGEN ARTIFICIAL EFFERVESCENT, LEAD-OPIUM COMPOUND, LIME WATER, LITHIUM CITRATE EFFERVESCENT, LITHIUM SALICYLATE AND COLCHICINE COMPOUND, LITHIUM AND SODIUM SALICYLATE, LITHOS EFFERVESCENT, MAGNESIA AND SODA, MAGNESIUM SALICYLATE, MAGNESIUM TRISILICATE, MANGANESE DIOXIDE, MENORRHAGIC, MERCURIC IODIDE RED, MERCUROUS CHLORIDE MILD, MERCUROUS IODIDE YELLOW, MERCURY WITH CHALK, METHENAMINE (HEXAMETHYLENAMINE), METHENAMINE WITH SODIUM ACID PHOSPHATE, METHYLENAMINE BLUE, METHYLENE BLUE COMPOUND, METHYLENAMINE BLUE AND KAVA KAVA COMPOUND, MIGRAINE, MIXED TREATMENT, NEOCINCHOPHEN, NEPHRITIC, NITROGLYCERIN, NITROGLYCERIN AND DIGITALIS COMPOUND, NITROGLYCERINE DIGITALIS AND STRYCHNINE COMPOUND, NITROGLYCERIN DIGITALIN AND STRYCHNINE, NORMAL SALT, NUX VOMICA EXTRACT, NUX VOMICA AND PEPSIN, OXGALL AND NUX VOMICA COMPOUND, PAPAIN AND SODA COMPOUND, PAPOYDIN AND PANCREATIN COMPOUND, PEPSIN SACCHARATED, PEPSIN WITH AROMATICS, PEPSIN BISMUTH AND CHARCOAL, PEPSIN AND CHARCOAL, PEPSIN AND NUX VOMICA, PEPSIN PANCREATIN AND NUX VOMICA COMPOUND, PHENACETIN (ACETOPHENETIDIN) PHENACETIN AND QUININE, PHENACETIN AND SALOL, PHENOLPHTHALEIN AND ALOIN COMPOUND, PHENOBARBITAL, PHENOBARBITAL SOLUBLE (PHENOBARBITAL SODIUM), PHENOLPHTHALEIN, PHENOLPHTHALEIN AND CHOCOLATE, PHENYLCINCHONINIC ACID, PHOSPHORUS NUX VOMICA AND DAMIANA, PLACEBO (BLANK), PODOPHYLLIN, PODOPHYLLIN AND ALOIN

COMPOUND, POTASSIUM BICARBONATE, POTASSIUM BROMIDE, POTASSIUM CHLORATE, POTASSIUM IODIDE, POTASSIUM PERMANGANATE, PROCAINE HYDROCHLORIDE SOLUBLE (MAKING EXTEMPORANEOUS SOLUTIONS), QUININE ARSENIC STRYCHNINE AND CORROSIVE SUBLIMATE COMPOUND, QUININE BISULFATE, QUININE LAXATIVE COMPOUND WITH ACETANILID AND PODOPHYLLIN, QUININE SULFATE, RHEUMATIC (LITHIUM SALICYLATE AND COLCHICINE COMPOUND), RHEUMATIC THROAT (SALICYLATE COMPOUND, QUINLAN), RHINITIS FULL STRENGTH, RHINITIS HALF STRENGTH, RHUBARB AND ALOE COMPOUND, RHUBARB POWDERED, RHUBARB IPECAC AND NUX VOMICA COMPOUND, RHUBARB IPECAC AND SODA COMPOUND, RHUBARB AND SODA, RHUBARB AND SODA COMPOUND, RINGER SOLUTION, SACCHARIN SOLUBLE, SALICIN, SALICYLATE AND COLCHICUM COMPOUND, SALICYLIC ACID AND COLCHICUM COMPOUND, SALOL, SANTONIN, SANTONIN AND CALOMEL, SCOPOLAMINE HYDROBROMIDE, SEDATIVE, SEDATIVE MODIFIED, SODA MINT, SODA MINT AND CHARCOAL, SODA MINT AND PEPSIN, SODIUM ACID PHOSPHATE, SODIUM BENZOATE, SODIUM BICARBONATE, SODIUM BROMIDE, SODIUM CHLORIDE, SODIUM NITRITE, SODIUM OLEATE COMPOUND, SODIUM OXYMERCURY-ORTHO-PHENOLATE, SODIUM PHENOBARBITRAL, SODIUM SALICYLATE, SODIUM SUCCINATE, SPARTEINE SULFATE, STRONTIUM BROMIDE, STRONTIUM SALICYLATE, STROPHANTHUS AND DIGITALIS, STRYCHNINE NITRATE, STRYCHNINE SULFATE, SULFANILAMIDE, SULFOCARBOLATES COMBINED, SULFONAL (SULFONMETHANE), SULFONETHYLMETHANE (TRIONAL), SULFUR AND ARSENIC COMPOUND, SULFUR AND CREAM OF TARTAR, SUMBUL AND ARSENIC COMPOUND, SUN CHOLERA, SUN MIXTURE WITHOUT OPIUM, TANNIN CASEINATE, TARTAR EMETIC AND IPECAC, TERPIN HYDRATE, TERPIN HYDRATE COMPOUND PREFERRED, TERPIN HYDRATE AND STRYCHNINE COMPOUND, THEOBROMINE AND PHENOBARBITAL, THEOBROMINE WITH SODIUM SALICYLATE, SODIUM CHLORIDE AND DEXTROSE, THREE IODIDES, THROAT MENTHOLATED MODIFIED, TONIC (AITKEN), TONIC FOR CHILDREN, TONSILLITIS, TONSILLITIS GARGLE, TONSILLITIS IMPROVED, TRIONAL, TRIPLE BROMIDES, VAGINAL DOUCHE ASTRINGENT, VIBURNUM AND HELONIAS COMPOUND, VIBURNUM AND NUX VOMICA COMPOUND, VICHY ARTIFICIAL EFFERVESCENT, WARBURG'S TINCTURE, ZINC SULFOCARBOLATE; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF DISPENSARY TABLETS: ARSENIC TRIOXIDE, ATROPINE SULFATE, MERCURY BICHLORIDE (CORROSIVE SUBLIMATE), STRYCHNINE SULFATE; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF SOLUBLE HYPODERMIC TABLETS: ACONITINE, ATROPINE SULFATE, BLANK (PLACEBO) NOT MEDICATED, BORIC ACID AND PROCAINE, CAFFEINE WITH SODIUM BENZOATE, CARDIAC, DIGITALIN PURE, DIGITALIN AND STRYCHNINE, EMETINE HYDROCHLORIDE, ESERINE SALICYLATE, ESERINE SULFATE, GLONOIN, HYOSCINE HYDROBROMIDE, HYOSCINE AND MORPHINE, MERCURY SUCCINIMIDE, NITROGLYCERIN, NITROGLYCERIN DIGITALIN AND STRYCHNINE, NORMAL SALT (PHYSIOLOGICAL SALT), PHYSOSTIGMINE SALICYLATE, PHYSOSTIGMINE SULFATE, PILOCARPINE HYDROCHLORIDE, PLACEBO (BLANK), PROCAINE HYDROCHLORIDE, QUININE AND UREA HYDROCHLORIDE, RINGER SOLUTION, SCOPOLAMINE HYDROBROMIDE, SPARTEINE SULFATE, STRYCHNINE NITRATE, STRYCHNINE SULFATE; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF TINCTURES: ACONITE, ALOE, ALOE AND MYRRH, ARNICA, ASAFETIDA, BELLADONNA, BENZOIN, BENZOIN COMPOUND, BRYONIA, CALUMBA, CANTHARIDES, CAPSICUM, CAPSICUM AND MYRRH, CARDAMON COMPOUND, CIMICIFUGA, CINCHONA, CINCHONA COMPOUND, COLCHICUM SEED, DIGITALIS, FERRIC CHLORIDE, FERRIC CITROCHLORIDE, GAMBIR COMPOUND, GELSEMIUM, GENTIAN, GENTIAN COMPOUND, GUAIAC, GUAIAC AMMONIATED, HYDRASTIS, HYOSCYAMUS, IODIDES, IODINE, IPECAC AND OPIUM, KINO, KRAMERIA (RHATANY), LAVENDER COMPOUND, LOBELIA, MYRRH, NUX VOMICA, OPIUM CAMPHORATED, PHYSOSTIGMA, QUASSIA, RHUBARB COMPOUND, RHUBARB AROMATIC, RHUS TOXICODENDRON (POISON IVY), SANGUINARIA, STRAMONIUM, STROPHANTHUS, TOLU BALSAM, VALERIAN, VALERIAN AMMONIATED, VIBURNUM OPULUS COMPOUND (WARBURG) AND WARBURG WITHOUT ALOE; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF WATERS: CAMPHOR, CHERRY LAUREL, CINNAMON, ORANGE FLOWER, PEPPERMINT, AND ROSE; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF WINES: ANTIMONIAL, BEEF WINE AND IRON, BITTER WINE OF IRON, COLCHICUM CORM, COLCHICUM SEED, IPECAC; ALSO THE FOLLOWING, FOR EXAMPLE, IN THE FORM OF MISCELLANEOUS PRODUCTS: ANTISEPTIC TABLETS MERCURY BICHLORIDE (BERNAY'S), ANTISEPTIC TABLETS MERCURY BICHLORIDE U. S. P. WILSON'S FORMULA, ANTISEPTIC TABLETS MERCURY CYANIDE, ASTRINGENT GARGLE, BISMUTH SUBSALICYLATE IN OIL, BROWN MIXTURE, CAPSULES EMPTY, CASTOR OIL AROMATIC, CATAPLASM OF KAOLIN, COD LIVER OIL PURE NORWEGIAN U. S. P.; COLORING AND FLAVORING SOLUTIONS INCLUDING LIQUOR AURANTII DULC, LIQUOR FUSCUS DULC, LIQUOR ROSAE DULC; EPHEDRINE PREPARATIONS INCLUDING AMPOULES EPHEDRINE SULFATE, DRY-FILLED CAPSULES EPHEDRINE HYDROCHLORIDE, DRY-FILLED CAPSULES EPHEDRINE SULFATE, OINTMENT EPHEDRINE NASAL CREAM, EPHEDRINE HYDROCHLORIDE SOLUTION, EPHEDRINE INHALANT PLAIN, EPHEDRINE INHALANT COMPOUND, EPHEDRINE SULFATE 3%; ERGOTIN BONJEAN, ETHYL CHLORIDE U. S. P., GELATIN COMPOUND PHENOLIZED; GLANDULAR PRODUCTS, FOR EXAMPLE, THE FOLLOWING: ADRENAL COMP. RECTAL SUPPOSITORIES, ADRIN SOLUTION; CORPUS LUTEUM DESICCATED POWDER, AMPOULES OF CORPUS LUTEUM EXTRACT, DRY-FILLED CAPSULES, COMPRESSED TABLETS, CHOCOLATE-COATED TABLETS; EPINEPHRINE HYDROCHLORIDE SOLUTION, INSULIN, LIVER EXTRACT; OVARIAN SUBSTANCE DESICCATED (WHOLE OVARY) POWDER, OVARIAN EXTRACT AMPOULES, DRY-FILLED CAPSULES, COMPRESSED TABLETS, CHOCOLATE-COATED TABLETS; OVARIAN RESIDUE DESICCATED POWDER, OVARIAN RESIDUE EXTRACT AMPOULES; PARATHYROID GLAND DESICCATED COMPRESSED TABLETS; PITUITARY EXTRACT AMPOULES, AMPOULES SURGICAL; PITUITARY BODY, WHOLE GLAND, DESICCATED; PITUITARY BODY, ANTERIOR LOBE, DESICCATED POWDER, AMPOULES, TABLETS; THYROID GLANDS DESICCATED POWDER, TABLETS; INSULIN-FREE EXTRACT OF PANCREAS; IMITATION VIOLET FLAVOR LOZENGES; MENTHYMOL CRYSTAL PASTILLES: SOFT SOAP LINIMENT; MILK OF MAGNESIA, MINERAL OIL; OXGALL INSPISSATED; OXGALL POWDERED EXTRACT; PANCREATIN; PEPSIN POWDERED AND SPONGY GRANULES; PEPSIN ESSENCE 1:4000; PEPSIN LACTICATED POWDERED; PEPSIN SACCHARATED; PETROLATUM LIQUID, PETROLATUM WHITE, PETROLATUM YELLOW; RENNIN, SANTAL OIL, SILVER NITRATE SOLUTION (WAX AMPOULES); SODA WATER REQUISITES INCLUDING COFFEE SOLUBLE CONCENTRATED EXTRACT, GINGER COMPOUND AROMATIC SOLUBLE, LEMON SOLUBLE TERPENELESS, ORANGE SOLUBLE EXTRACT, RED FRUIT COLORING CONCENTRATED, ROOT BEER FLAVOR, SODA FOAM, AND VANILLA PRODUCTS; SODIUM PHOSPHATE GRANULAR; EXTRACT OF VANILLA, IMITATION EXTRACT OF VANILLA, TINCTURE VANILLA; ZINC OXIDE U. S. P. POWDERED.

Claims use since Oct. 15, 1938.

Ser. No. 429,080. LES PARFUMS BEAUREGARD, INC., Cleveland, Ohio. Filed Feb. 29, 1940.

'Twill

FOR FACE POWDER, CREAM, ROUGE, AND LIPSTICK.

Claims use since February, 1934.

Ser. No. 430,479. THE BERGREN CO. INC., Clearwater, Fla. Filed Apr. 8, 1940.

G-NUT

No claim is made to the word "Nut" apart from the mark.

FOR TUNG OIL FOR EXTERNAL APPLICATION FOR THE ALLEVIATION OF CUTS, WOUNDS, AND BURNS, AND FOR INTERNAL USE AS A LAXATIVE; AND TUNG TEA FOR EXTERNAL APPLICATION FOR THE ALLEVIATION OF CUTS, WOUNDS, AND BURNS, AND FOR INTERNAL USE AS A STIMULANT AND REGULATOR.

Claims use since Mar. 27, 1940.

Ser. No. 438,522. P. C. PRODUCT COMPANY, St. Louis, Mo. Filed Sept. 30, 1940.



FOR COMPOSITION FOR KILLING RODENTS.

Claims use since Sept. 26, 1940.

Ser. No. 438,672. THOMPSON-HAYWARD CHEMICAL COMPANY, Kansas City, Mo. Filed Dec. 9, 1940.

VALOSA

FOR PHOSPHATES, SODA COMPOUNDS, PINE OIL, PHOSPHORIC ACID, STARCH, SODIUM METACYLICATE FOR TECHNICAL, NOT FOOD PURPOSES.

Claims use since August, 1939.

Ser. No. 440,342. HELENA RUBINSTEIN, INC., New York, N. Y. Filed Feb. 5, 1941.

REGI-MENTAL RED

The word "Red" is disclaimed apart from the mark.

FOR LIPSTICKS.

Claims use since Jan. 21, 1941.

Ser. No. 440,601. LUCIEN LELONG, INC., Chicago, Ill. Filed Feb. 12, 1941.

Indiscret

FOR PERFUME, COLOGNE, TOILET WATER, FACE POWDER, DUSTING POWDER, SACHET POWDER, TALCUM POWDER, AND LIPSTICK.

Claims use since Dec. 26, 1935.

Ser. No. 440,747. RUSSELL A. HOOD, doing business as Highland Electro-Chemical Manufacturing Company, Connellsville, Pa. Filed Feb. 18, 1941.



The phrases "Insulating Soldering Paste" and "Standard the World Over" are disclaimed apart from the mark.

FOR SOLDERING PASTE.

Claims use since Dec. 18, 1896.

Ser. No. 440,806. PETE DE NARDO & SONS, Midland, Pa. Filed Feb. 20, 1941.

Mother Nature's
DANDRUFF
REMOVER



No claim is made to the words "Dandruff Remover" apart from the mark.
FOR PREPARATION FOR USE ON THE HAIR IN TREATING AND REMOVING DANDRUFF.
Claims use since July, 1940.

Ser. No. 441,037. HELENA RUBINSTEIN, INC., New York, N. Y. Filed Feb. 26, 1941.

NYLEG MAKE-UP

The words "Make-Up" are disclaimed apart from the mark.
FOR LEG MAKE-UP.
Claims use since Jan. 31, 1941.

Ser. No. 441,071. ARTHUR V. ALLEN, Oak Park, Ill. Filed Feb. 28, 1941.

SOLAC

FOR MEDICINAL COMPOUND FOR THE TREATMENT OF COLDS.
Claims use since Nov. 10, 1940.

Ser. No. 441,115. TRUNDLE-BED PILLOWS, Larchmont, N. Y. Filed Feb. 28, 1941.

TRUNDLE-BED PILLOWS

FOR SACHETS.
Claims use since Dec. 18, 1940.

Ser. No. 441,212. NATIONAL INSTITUTE OF NUTRITION, Los Angeles, Calif., and Buffalo, N. Y., now by change of name Nion Corporation, a corporation of California. Filed Mar. 4, 1941.

TRI-NUTRON

FOR YEAST CONTAINING VITAMIN D IN POWDER AND TABLET FORM.
Claims use since Feb. 19, 1941.

Ser. No. 441,216. SHARPE & DOHME, INCORPORATED, Philadelphia, Pa. Filed Mar. 4, 1941.

MULSAVITE

FOR PREPARATIONS FOR THE TREATMENT AND/OR PREVENTION OF DIETARY DEFICIENCIES, IN ANY FORM, INCLUDING SUSPENSIONS OF METABOLIC AGENTS, INCLUDING SUCH PREPARATIONS CONTAINING VITAMINS, PHOSPHATES, OR BOTH, INCLUDING PREPARATIONS CONTAINING VITAMINS A AND D AND DICALCIUM PHOSPHATE.
Claims use since Sept. 26, 1940.

Ser. No. 441,257. SALES AFFILIATES, INC., New York, N. Y. Filed Mar. 5, 1941.

SVELT

FOR MULTI-PURPOSE LIQUID CREAM FOR CONDITIONING THE SKIN.
Claims use since 1941.

Ser. No. 441,582. MONA MANET INC., New York, N. Y. Filed Mar. 15, 1941.

MONA MANET

FOR FACE POWDERS, FACE AND SKIN CREAMS, ROUGES, AND LIPSTICKS.
Claims use since Dec. 28, 1940.

Ser. No. 441,746. POOR & COMPANY, Chicago, Ill. Filed Mar. 20, 1941.

Porcenell

FOR CHEMICAL MATERIALS AND COMPOSITIONS FOR COATING METAL SURFACES FOR RUST-PROOFING AND ANALOGOUS PURPOSES.
Claims use since Feb. 26, 1941.

Ser. No. 441,748. THE RUBY CHEMICAL COMPANY, Columbus, Ohio. Filed Mar. 20, 1941.



The word "Flux" is disclaimed apart from the mark. The drawing is lined for blue and yellow.
FOR SOLDERING AND TINNING FLUX.
Claims use since June 1, 1940.

Ser. No. 441,934. EDWARD R. ADLER, doing business as Fidelity Products Co., Canton, Ohio. Filed Mar. 26, 1941.

dunk

FOR LIQUID FLY LINE DRESSING.
Claims use since Mar. 3, 1941.

Ser. No. 442,053. STUART PRODUCTS, INC., St. Paul, Minn. Filed Mar. 28, 1941.

BED OF ROSES

FOR PERFUME AND SACHET.
Claims use since Sept. 1, 1940.

Ser. No. 442,080. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Mar. 29, 1941.

DELAC

FOR CHEMICALS USED AS ACCELERATORS IN THE VULCANIZATION OF RUBBER.
Claims use since May 27, 1939.

Ser. No. 442,088. ABBOTT LABORATORIES, North Chicago, Ill. Filed Mar. 31, 1941.

SYNTOPHEROL

FOR VITAMIN PREPARATION.
Claims use since Mar. 21, 1941.

Ser. No. 442,089. ABBOTT LABORATORIES, North Chicago, Ill. Filed Mar. 31, 1941.

VICOMPLIN

FOR VITAMIN PREPARATION.
Claims use since Mar. 21, 1941.

Ser. No. 442,304. CARTER PRODUCTS, INC., New York, N. Y. Filed Apr. 5, 1941.

STENCIL

FOR LIPSTICKS, FACE CREAM, AND ROUGE.
Claims use since Mar. 24, 1941.

CLASS 7

CORDAGE

Ser. No. 441,984. WICKWIRE SPENCER STEEL COMPANY, New York, N. Y. Filed Mar. 26, 1941.

★AIROPE★

FOR WIRE ROPE.
Claims use since Feb. 25, 1941.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 437,761. RAY O. DOROW, Wauwatosa, Wis. Filed Nov. 12, 1940.



The mark comprises the colors red and blue applied obliquely in spaced relationship to form stripes on the white match stock. No claim is made to the representation of the book of matches, per se.
FOR BOOK MATCHES.
Claims use since Sept. 15, 1940.

CLASS 10

FERTILIZERS

Ser. No. 441,416. SHELL CHEMICAL COMPANY, San Francisco, Calif. Filed Mar. 10, 1941.



No claim is made to the word "Ammonia" apart from the mark.
FOR AMMONIA FOR SOIL FERTILIZING.
Claims use since Jan. 19, 1941.

Ser. No. 441,754. WALKER-GORDON LABORATORY COMPANY, INC., Plainsboro, N. J. Filed Mar. 20, 1941.



FOR CHEMICAL FERTILIZER COMBINED WITH DEHYDRATED COW MANURE.
Claims use since Dec. 27, 1940.

Ser. No. 441,992. H. J. BAKER & BRO., New York, N. Y. Filed Mar. 27, 1941.

NITROGANIC

FOR FERTILIZER.
Claims use since June 14, 1940.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 441,399. HYDRIL COMPANY, Los Angeles, Calif. Filed Mar. 10, 1941.

HYTORQUE

FOR WELL-PIPE JOINTS.
Claims use since Feb. 14, 1941.

Ser. No. 441,463. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Mar. 12, 1941.

TEM-CLIPS

The word "Clips" is disclaimed apart from the mark.
FOR METAL CLIPS FOR THE ERECTION OF INSULATING FIBREBOARD.
Claims use since June 21, 1939.

CLASS 15

OILS AND GREASES

Ser. No. 439,717. THE GLOBE OIL & REFINING COMPANY, Wichita, Kans. Filed Jan. 16, 1941.

HIGHWAY

FOR GASOLINE, LUBRICATING OILS AND GREASES.
Claims use since Jan. 2, 1941.

Ser. No. 440,986. GULF OIL CORPORATION, Pittsburgh, Pa. Filed Feb. 25, 1941

POLYFORM

FOR GASOLINE AND GASOLINE-LIKE MOTOR FUELS.
Claims use since Feb. 4, 1941.

Ser. No. 441,310. CONTINENTAL OIL COMPANY, Ponca City, Okla. Filed Mar. 7, 1941.

METLBOND

FOR LUBRICATING OILS.
Claims use since Feb. 19, 1941.

Ser. No. 441,630. THE PURE OIL COMPANY, Chicago, Ill. Filed Mar. 17, 1941.

BUCKEYE

FOR LUBRICATING OIL.
Claims use since July 1, 1930.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 438,168. CONTINENTAL CAR-NA-VAR CORPORATION, Brazil, Ind. Filed Nov. 22, 1940.

NU-SHEEN

FOR LIQUID POLISH FOR FURNITURE AND AUTOMOBILES.
Claims use since July 23, 1928.

Ser. No. 440,711. ATLAS PUTTY PRODUCTS CO., Chicago, Ill. Filed Feb. 17, 1941.

"WONDER PUTTY"

No claim is made to the word "Putty" apart from the mark.
FOR PLASTIC SEALING COMPOUND IN THE NATURE OF A PUTTY.
Claims use since Jan. 7, 1941.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 435,789. CONSTANTINO GONZALEZ Y CIA., S. EN C., Habana, Cuba. Filed Sept. 9, 1940.



FOR TOBACCO PRODUCTS.
Claims use since Oct. 19, 1938.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 428,623. PERRINE QUALITY PRODUCTS CORPORATION, Waltham, Mass. Filed Feb. 16, 1940.

Delta

FOR STORAGE BATTERIES.
Claims use since September, 1939.

Ser. No. 433,418. HICKINBOTHAM BROS., LTD., Stockton, Calif. Filed June 24, 1940.

DIALARC

FOR ELECTRIC WELDING APPARATUS INCLUDING PARTS AND ACCESSORIES THEREFOR.
Claims use since Apr. 4, 1940.

Ser. No. 437,868. HUNTER-HARTMAN CORPORATION, St. Louis, Mo. Filed Nov. 14, 1940.



FOR BATTERY CHARGERS.
Claims use since Sept. 1, 1940.

Ser. No. 438,301. FINCH TELECOMMUNICATIONS, INC., Passaic, N. J. Filed Nov. 28, 1940.

finch

FOR APPARATUS USED IN FACSIMILE AND TELEGRAPH APPARATUS FOR THE TRANSMISSION OF PICTURES AND MESSAGES BY ELECTRIC SIGNALS OVER COMMUNICATION CHANNELS TO REMOTE POINTS.
Claims use since Oct. 23, 1940.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 427,245. DON HEYER, Inglewood, Calif. Filed Jan. 8, 1940.



FOR DOLLS, CHECKER-BOARDS AND MOVABLE PIECES, TOY BUILDING BLOCKS, AND CARTOON CUT-OUT TOYS.
Claims use since Dec. 6, 1939.

Ser. No. 441,245. JAMES HEDDON'S SONS, Dowagiac, Mich. Filed Mar. 5, 1941.

MIDGIT-DIGIT

FOR FISH LURES.
Claims use since Jan. 2, 1941.

Ser. No. 441,247. JAMES HEDDON'S SONS, Dowagiac, Mich. Filed Mar. 5, 1941.

Torpedo

FOR FISH LURES.
Claims use since Aug. 1, 1925.

Ser. No. 441,594. TYKIE TOY COMPANY, Piqua, Ohio. Filed Mar. 15, 1941.

TYKIE TOY

The word "Toy" is disclaimed.
FOR BABY TOYS—NAMELY, BABY RATTLES, AND BABY TEETHING TOYS.
Claims use since July 15, 1940.

Ser. No. 441,719. X. L. COIN MACHINE CO., INC., Boston, Mass. Filed Mar. 19, 1941.

FALLY-BOWL

No claim is made to the word "Bowl" apart from the mark.
FOR PORTABLE BOWLING ALLEYS.
Claims use since Mar. 10, 1941.

Ser. No. 442,272. NANCY ANN DRESSED DOLLS, INC., San Francisco, Calif. Filed Apr. 4, 1941.

STORYBOOK

FOR DOLLS, DOLL CLOTHES, AND DOLL FURNITURE.
Claims use since July 6, 1938.

Ser. No. 442,273. NANCY ANN DRESSED DOLLS, INC., San Francisco, Calif. Filed Apr. 4, 1941.

Gerda and Kay

FOR DOLLS AND DOLL CLOTHES.
Claims use since Jan. 1, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

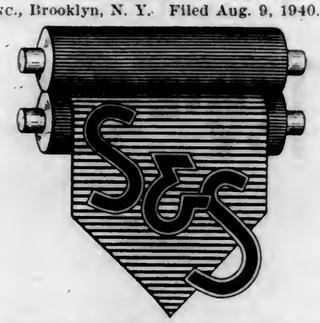
Ser. No. 428,947. AMERICAN TIRE MACHINERY CO., Los Angeles, Calif. Filed Feb. 27, 1940.



Applicant disclaims the wording "American System," "Recapping," and "Retreading" apart from the mark.
FOR MACHINERY FOR BUILDING, TREATING, AND RETREADING TIRES—NAMELY, MOLDS, SEC-

TION MOLDS, SIDE WALL MOLDS, STEAM PRODUCING BOILERS FOR SUCH MOLDS, MATRICES, BUFFERS, SPREADERS, TUBE PLATES, FLEXIBLE SHAFT BUFFERS, AND TIRE SUPPORTING RIMS FOR USE WITH SUCH MOLDS AND BUFFERS.
Claims use since Nov. 1, 1939.

Ser. No. 434,843. S. & S. CORRUGATED PAPER MACHINERY CO., INC., Brooklyn, N. Y. Filed Aug. 9, 1940.



The representation of a set of rolls is disclaimed apart from the mark.
FOR MACHINES FOR CORRUGATING PAPER MATERIAL, MACHINES FOR TAPING BOX BLANKS, MACHINES FOR FOLDING PAPER BLANKS, MACHINES FOR ASSEMBLING PAPER PARTITIONS, MACHINES FOR PRINTING AND SLOTTING PAPER MATERIAL, MACHINES FOR CUTTING CORRUGATED OR OTHER PAPER MATERIAL, AND OTHER MACHINERY FOR OPERATING UPON CORRUGATED OR OTHER PAPER MATERIALS OR FOR MANUFACTURING PRODUCTS FROM PAPER MATERIALS.
Claims use since 1936.

Ser. No. 441,608. THE GLEASON WORKS, Rochester, N. Y. Filed Mar. 17, 1941.

ACRUF

FOR GEAR CUTTING TOOLS.
Claims use since Mar. 7, 1941.

Ser. No. 441,609. THE GLEASON WORKS, Rochester, N. Y. Filed Mar. 17, 1941.

TANRUF

FOR GEAR CUTTING TOOLS.
Claims use since Mar. 6, 1941.

Ser. No. 441,621. NATIONAL RING TRAVELER CO., Providence, R. I. Filed Mar. 17, 1941.

STRIPTEASE

FOR TRAVELERS FOR USE ON SPINNING AND TWISTING RINGS.
Claims use since Jan. 10, 1941.

Ser. No. 441,659. GENERAL VENDER MANUFACTURING COMPANY, Kansas City, Mo. Filed Mar. 17, 1941.

GENERAL

FOR VENDING MACHINES.
Claims use since Dec. 14, 1940.

Ser. No. 441,691. AIRCRAFT & DIESEL EQUIPMENT CORPORATION, Chicago, Ill. Filed Mar. 19, 1941.



FOR DIESEL ENGINE EQUIPMENT—NAMELY, FUEL PUMPS AND INJECTORS.
Claims use since Aug. 15, 1940.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 429,718. ROBERTSHAW THERMOSTAT COMPANY, Youngwood, Pa. Filed Mar. 18, 1940.

DIASTAT

FOR HYDRAULIC THERMAL UNITS FOR USE IN THERMOSTATIC TEMPERATURE CONTROL DEVICES.
Claims use since Mar. 7, 1940.

Ser. No. 440,374. LOWE PAPER COMPANY, Ridgefield, N. J. Filed Feb. 6, 1941.

NEUTROWE GREY

Applicant disclaims the word "Grey" apart from the mark.
FOR EXPOSURE AIDS IN PHOTOGRAPHY.
Claims use since Feb. 1, 1940.

Ser. No. 440,395. UNITED OPTICAL MANUFACTURING CORPORATION, New York, N. Y. Filed Feb. 6, 1941.



FOR OPHTHALMIC LENSES, SPECTACLE FRAMES.
Claims use since Jan. 13, 1941.

Ser. No. 441,440. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio. Filed Mar. 11, 1941.

National

FOR CASH REGISTERS, CREDIT REGISTERS, AUTOGRAPHIC REGISTERS, ACCOUNTING MACHINES, CALCULATING AND COMPUTING MACHINES; COMBINED TYPE-PRINTING AND CALCULATING MACHINES; REGISTERING DEVICES OF FLEXIBLE DESIGN HAVING ONE OR MORE POSSIBLE FUNCTIONS OF INDICATING, TICKET PRINTING, TICKET ISSUING, COMPUTING, CALCULATING, ACCOUNTING, DATA CLASSIFYING, TYPE PRINTING, AND DATA RECORDING; AND PARTS OF SAID MACHINES, REGISTERS, AND DEVICES; ALL OF WHICH MAY BE WITH OR WITHOUT INDICATING MECHANISM, TICKET PRINTING MECHANISM, TICKET ISSUING MECHANISM, CALCULATING MECHANISM, ACCOUNTING MECHANISM, DATA CLASSIFYING MECHANISM, TYPE PRINTING MECHANISM, REGISTERING MECHANISM, OR CASH DRAWERS.
Claims use since Feb. 11, 1941.

Ser. No. 441,661. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed Mar. 18, 1941.

EXPO-MATIC

FOR OBJECT CARRIERS FOR PERIMETERS.
Claims use since Feb. 13, 1941.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 440,993. JOHN HUDSON MOORE, INC., New York, N. Y. Filed Feb. 25, 1941.

Emlite

FOR TOILET BRUSHES—NAMELY, HAIR BRUSHES, TOOTH BRUSHES, NAIL BRUSHES, BATH BRUSHES, COMPLEXION BRUSHES, HAND BRUSHES, AND HAT BRUSHES.
Claims use since Jan. 30, 1941.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 442,145. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Mar. 31, 1941.

Gold Seal

FOR ELECTRIC REFRIGERATORS.
Claims use since Jan. 3, 1939.

Ser. No. 442,229. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 5, 1941.

Firestone

FOR REFRIGERATORS.
Claims use since Mar. 15, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 410,243. THE WEIMAN COMPANY, Rockford, Ill. Filed Sept. 2, 1938.



Heirloom Quality

No claim is made to the words "Heirloom" and "Quality" apart from the mark.
FOR HOUSEHOLD FURNITURE—NAMELY, CHAIR SIDE TABLES, COFFEE TABLES, TILT TOP TABLES, COCKTAIL TABLES, PEMBROKE TABLES, TIER TABLES, OCCASIONAL TABLES, NEST TABLES, CONSOLES, WALL RACKS, WALL TABLES, LAMP TABLES, CURIO CABINETS, DESKS, BOOK CASES, PLANT STANDS, PLANT TABLES, CIGARETTE TABLES, PIER CONSOLES, TEA TABLES, COMMODES, TELEPHONE TABLE AND CHAIR SETS, DRUM TABLES, MAGAZINE TABLES, CANTERBURYS, PLEASURE TABLES, RADIO TABLES, END TABLES, EXTENSION TABLES, TIER CABINETS, CREDENCE TABLES, AND MIRRORS.
Claims use since July 15, 1938.

CLASS 33

GLASSWARE

Ser. No. 438,916. THE WHISTLING OYSTER, Ogunquit, Maine. Filed Dec. 16, 1940.



FOR GLASS VASES, TABLE GLASSWARE, GLASS BOXES.
Claims use since June 20, 1932.

Ser. No. 441,094. L. I. C. CRYSTAL CORPORATION, New York, N. Y. Filed Feb. 28, 1941.

KD
MADE IN U.S.A

Applicant disclaims the outline of the label and the notation "Made in U. S. A." apart from the mark.
FOR WATCH CRYSTALS.
Claims use since Oct. 30, 1939.

Ser. No. 441,316. THE FEDERAL GLASS COMPANY, Columbus, Ohio. Filed Mar. 7, 1941.

BETSY ROSS

FOR GLASS TABLEWARE.
Claims use since Feb. 19, 1941.

Ser. No. 441,622. NEWLAND, SCHNEELOCH & PIEK, INC., New York, N. Y. Filed Mar. 17, 1941.

ORCHARD WARE

No claim is made to the word "Ware" apart from the mark.
FOR GLASS DISHES.
Claims use since Jan. 27, 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 439,680. WINDSOR LLOYD PRODUCTS, INC., Philadelphia, Pa. Filed Jan. 14, 1941.

GRIPTEX

FOR BRAKE SHOE LININGS.
Claims use since Sept. 1, 1940.

Ser. No. 441,773. KOPPERS COMPANY, Pittsburgh, Pa., and Baltimore, Md. Filed Mar. 21, 1941.

Aerolap

Trade-Mark consists of the word "Aerolap."
FOR PISTON RINGS.
Claims use since Dec. 10, 1940.

CLASS 37

PAPER AND STATIONERY

Ser. No. 434,414. THE MCBEE COMPANY, Athens, Ohio. Filed July 27, 1940.

RESORT

FOR INDEX CARDS.
Claims use since May 15, 1940.

Ser. No. 440,200. KELLOGG COMPANY, Battle Creek, Mich. Filed Feb. 1, 1941.

Kel-wrap

Applicant is the owner of certificates of registration Nos. 375,400 and 380,776. The word "Wrap" is disclaimed apart from the mark.
FOR WAXED, OILED, IMPREGNATED, HEAT-SEALING, SELF-SEALING, OPAQUE, WATERPROOF, MOISTUREPROOF, VERMIN-PROOF, DUST-PROOF, OR AIRPROOF PAPER, OR OTHER PAPER USED IN HEAT-SEALED OR SELF-SEALED WRAPPING OF CASES, BOXES OR CARTONS, OR OTHER PAPER SO USED TO FORM A HEAT-SEALED OR SELF-SEALED OUTSIDE WRAP TO PROTECT THE GOODS IN THE CASE, BOX, OR CARTON FROM AIR, MOISTURE, VERMIN, ETC., SOLD SEPARATELY AND APART FROM ANY SUCH CASES, BOXES, OR CARTONS.
Claims use since June 5, 1939.

Ser. No. 440,201. KELLOGG COMPANY, Battle Creek, Mich. Filed Feb. 1, 1941.

CONTENTS
Kel-wrap
PROTECTED

Applicant is the owner of certificates of registration Nos. 375,400 and 380,776. The words "Contents," "Wrap," and "Protected" are disclaimed apart from the mark.
FOR WAXED, OILED, IMPREGNATED, HEAT-SEALING, SELF-SEALING, OPAQUE, WATERPROOF, MOISTUREPROOF, VERMINPROOF, DUST-PROOF, OR

AIRPROOF PAPER, OR OTHER PAPER USED IN HEAT-SEALED OR SELF-SEALED WRAPPING OF CASES, BOXES OR CARTONS, OR OTHER PAPER SO USED TO FORM A HEAT-SEALED OR SELF-SEALED OUTSIDE WRAP TO PROTECT THE GOODS IN THE CASE, BOX, OR CARTON FROM AIR, MOISTURE, VERMIN, ETC., SOLD SEPARATELY AND APART FROM ANY SUCH CASES, BOXES, OR CARTONS.
Claims use since June 5, 1939.

Ser. No. 441,096. BENJAMIN LAPPER, Brooklyn, N. Y., assignor to National Pad & Tablet Corp., New York, N. Y. Filed Feb. 28, 1941.

PHOTO SNAPS

The words "Photo Snaps" are disclaimed apart from the mark.
FOR PHOTOGRAPHIC ALBUMS AND HOLDERS.
Claims use since Jan. 1, 1941.

Ser. No. 441,371. REMINGTON RAND INC., Buffalo,, N. Y. Filed Mar. 8, 1941.

REMKOTE

FOR BLANK AND PARTIALLY PRINTED INDEX CARDS.
Claims use since Aug. 14, 1939.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 439,861. FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Jan. 22, 1941.

Life CONFESSIONS

FOR PERIODICAL PUBLICATION.
Claims use since Jan. 16, 1941.

CLASS 39

CLOTHING

Ser. No. 422,155. FIRMA PAUL SCHÖNFELD, Chemnitz, Germany. Filed July 31, 1939.

RIPPKETTA

FOR HOSIERY, DRESSES FOR WOMEN AND CHILDREN; COATS FOR MEN, WOMEN AND CHILDREN; BLOUSES; DRESS, NEGLIGEE, WORK, AND SPORT SHIRTS; SUITS FOR MEN, WOMEN AND CHILDREN; JACKETS FOR MEN, WOMEN AND CHILDREN; OUTER SKIRTS; GOWNS FOR WOMEN FOR OUTER WEAR; CAPS FOR MEN, WOMEN AND CHILDREN; HATS FOR MEN, WOMEN AND CHILDREN; UNDERWEAR FOR MEN, WOMEN AND CHILDREN; GLOVES OF LEATHER OR FABRIC OR COMBINATIONS THEREOF; SPIRAL PUTTEES AND CUMMERBUNDS; KNEE AND EAR MUFFS; CORSETS, FOUNDATIONS AND GIRDLES.
Claims use since 1938.

Ser. No. 431,130. RAAB CUSTOM TAILORS, INC., Cincinnati, Ohio. Filed Apr. 23, 1940.

RAAB

The drawing is lined for red. The picture is fanciful. Applicant disclaims the surname "Raab" except as shown.
FOR SUITS, WAISTCOATS, TROUSERS, AND COATS FOR THE USE OF MEN, YOUNG MEN, AND BOYS.
Claims use since Mar. 1, 1936.

Ser. No. 435,248. KORBY SPORTSWEAR, INC., New York, N. Y. Filed Aug. 22, 1940.

American Bowler by KORBY

The word "American" is disclaimed except as shown.
FOR LADIES' DRESSES.
Claims use since July 1, 1940.

Ser. No. 439,934. LANSBURGH & BRO., Washington, D. C. Filed Jan. 24, 1941.

Lady Lanco

FOR WOMEN'S SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF; DRESSES, COATS, RAINCOATS, FUR COATS, SUITS, HOSE, SLIPS, UNION SUITS, VESTS, PANTIES, BLOOMERS, PAJAMAS, NIGHTGOWNS, CORSETS, HATS MADE OF STRAW AND FELT, HOUSECOATS, HOUSE DRESSES, BATH AND LOUNGING ROBES, SMOCKS, UNIFORMS AND APRONS.
Claims use since Feb. 1, 1940.

Ser. No. 440,205. JOE LEVINE DRESS CO. INC., New York, N. Y. Filed Feb. 1, 1941.

Miss Future

FOR WOMEN'S, MISSES', AND GIRLS' DRESSES, GOWNS, SUITS, AND COATS.
Claims use since Jan. 14, 1941.

Ser. No. 440,206. MIRACLE GIRL COAT HOUSE, INC., New York, N. Y. Filed Feb. 1, 1941.

AMERICOAT

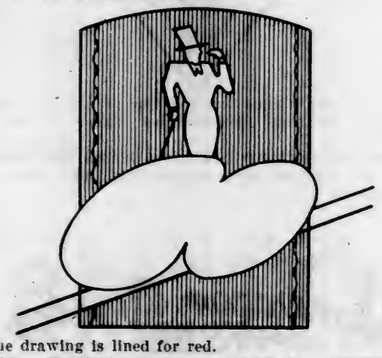
FOR GIRLS' COATS.
Claims use since Jan. 13, 1941.

Ser. No. 440,324. AUGUST V. ETTELBRICK, Casey, Ill. Filed Feb. 5, 1941.

WINDOW-FIT

No claim is made to the word "Fit" apart from the mark.
FOR SHOES MADE OF LEATHER, FABRIC, RUBBER, AND/OR COMBINATIONS OF SAID MATERIALS, AND CHARACTERIZED BY HAVING THE FORE OR TOE PART THEREOF MADE OF TRANSPARENT FLEXIBLE MATERIAL.
Claims use since Oct. 11, 1940.

Ser. No. 440,566. THE U. S. NECKWEAR CORP., New York, N. Y. Filed Feb. 11, 1941.



The drawing is lined for red.
FOR HABERDASHERY—NAMELY, NECKTIES, CRAVATS, AND SCARFS.
Claims use since September, 1937.

Ser. No. 440,582. R. H. COMEY COMPANY, INC., Brooklyn, N. Y. Filed Feb. 12, 1941.

NANLAC

FOR HATS AND HAT BODIES FOR MEN, WOMEN, AND CHILDREN.
Claims use since Oct. 21, 1940.

Ser. No. 441,215. SAKS & COMPANY, New York, N. Y. Filed Mar. 4, 1941.

"WOODCHOPPER"

FOR WOMEN'S AND MISSES' SHOES.
Claims use since Jan. 10, 1941.

Ser. No. 441,282. ETTELBRICK SHOE COMPANY, Greenup, Ill. Filed Mar. 6, 1941.

Step-Master

FOR CHILDREN'S SHOES MADE OF LEATHER, FABRIC, AND RUBBER AND COMBINATIONS OF SUCH MATERIALS.
Claims use since Feb. 11, 1941.

Ser. No. 441,437. EDITH LANCES BRASSIERES, New York, N. Y. Filed Mar. 11, 1941.

Slipalette

FOR LADIES' UNDERGARMENTS, PARTICULARLY SLIPS, CORSETS, AND BRASSIÈRES.
Claims use since Feb. 25, 1941.

Ser. No. 441,507. GENERAL SHOE CORPORATION, Nashville, Tenn. Filed Mar. 13, 1941.

"AUTHENTICALLY YOURS"

FOR MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Feb. 24, 1941.

Ser. No. 441,523. JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed Mar. 13, 1941.

KAMA-LUX

FOR MEN'S FELT HATS.
Claims use since Mar. 11, 1941.

Ser. No. 441,536. GREENSPOON CLOTHING CO., INC., St. Louis, Mo. Filed Mar. 14, 1941.

CRESTKNIT

FOR WOMEN'S AND GIRLS' WEARING APPAREL—NAMELY, COATS AND TOPCOATS.
Claims use since Dec. 19, 1940.

Ser. No. 441,610. SAMUEL J. GOLDFARB, New York, N. Y. Filed Mar. 17, 1941.

RISE 'N SHINE

FOR LADIES' AND CHILDREN'S DRESSES AND COATS.
Claims use since Jan. 10, 1941.

Ser. No. 441,644. EDWIN S. ROSE, doing business as Edwin S. Rose Company, Minneapolis, Minn. Filed Mar. 17, 1941.

ROSEWIN

FOR LADIES' COATS AND SUITS.
Claims use since Jan. 2, 1933.

Ser. No. 441,700. FOWNES BROTHERS & COMPANY, INC., New York, N. Y. Filed Mar. 19, 1941.

HIM and HER

FOR MEN'S AND WOMEN'S GLOVES MADE OF FABRICS, LEATHER, OR COMBINATIONS THEREOF.
Claims use since Jan. 3, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 441,531. COHN-HALL-MARX CO., New York, N. Y. Filed Mar. 14, 1941.

"FEATHERFLEX"

FOR PIECE GOODS OF COTTON, RAYON, AND COMBINATIONS THEREOF.
Claims use since Mar. 11, 1941.

Ser. No. 441,592. J. ROSENHOLZ INC., New York, N. Y. Filed Mar. 15, 1941.

AIRACOBRA

FOR PIECE GOODS MADE WHOLLY OR IN PART OF ACETATE, RAYON, SPUN RAYON, AND SILKS.
Claims use since Feb. 24, 1941.

Ser. No. 441,605. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y. Filed Mar. 17, 1941.

PERMAPRINT

FOR FABRICS MADE OF SILK, RAYON, COTTON, WOOL, AND MIXTURES THEREOF, AND VELVET FABRICS, USED IN THE MAKING OF DRESSES, NECKTIES, SHIRTWAISTS, UNDERWEAR, NEGLIGEES, SHIRTS, UPHOLSTERY, DRAPERIES, AND BEDSPREADS.
Claims use since Dec. 27, 1940.

Ser. No. 441,606. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y. Filed Mar. 17, 1941.

PERMACROME

FOR FABRICS MADE OF SILK, RAYON, COTTON, WOOL, AND MIXTURES THEREOF, AND VELVET FABRICS, USED IN THE MAKING OF DRESSES, NECKTIES, SHIRTWAISTS, UNDERWEAR, NEGLIGEES, SHIRTS, UPHOLSTERY, DRAPERIES, AND BEDSPREADS.
Claims use since Dec. 27, 1940.

Ser. No. 441,643. RIEGEL TEXTILE CORPORATION, New York, N. Y. Filed Mar. 17, 1941.



FOR COTTON, COTTON AND RAYON, AND RAYON PIECE GOODS.
Claims use since Mar. 1, 1941.

Ser. No. 441,847. THE AMERICAN MILLS COMPANY OF NEW YORK, New Haven, Conn. Filed Mar. 24, 1941.

PERMOFLEX

FOR WIDE ELASTIC FABRICS FOR CORSETS, GIRDLES, AND OTHER GARMENTS.
Claims use since May 10, 1940.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 442,260. THE FOREST CITY RUBBER COMPANY, Cleveland, Ohio. Filed Apr. 4, 1941.

plucks

FOR ABSORBENT COTTON.
Claims use since Mar. 12, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 440,424. NATIONAL ORANGE PRODUCTS, INC., Chicago, Ill. Filed Feb. 7, 1941.



No claim is made to the representation of the map apart from the mark.

FOR NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND EXTRACTS USED FOR SOFT DRINKS.

Claims use since Jan. 7, 1941.

Ser. No. 441,086. VIRGINIA DARE EXTRACT COMPANY, INC., Brooklyn, N. Y. Filed Feb. 28, 1941.

SOUTH SEAS

FOR NONALCOHOLIC MALTLESS FRUIT JUICE BEVERAGE SOLD AS A SOFT DRINK.

Claims use since Aug. 1, 1939.

Ser. No. 441,193. MCCLEANE BROWN, Sewickley, Pa. Filed Mar. 4, 1941.

"VITACOKE"

FOR NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.

Claims use since Feb. 22, 1941.

Ser. No. 441,203. T. W. HARDISON, doing business as Petit Jean Springs Company, Morrilton, Ark. Filed Mar. 4, 1941.



The words "Spring Water," "from," and "Spring No. 1" are disclaimed apart from the mark.

FOR NATURAL SPRING WATER.

Claims use since Jan. 1, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 424,931. STANDARD MILLING COMPANY, New York, N. Y. Filed Oct. 26, 1939.



FOR WHEAT FLOUR.

Claims use since Aug. 31, 1939.

Ser. No. 425,929. PANGBURN COMPANY, Fort Worth, Tex. Filed Nov. 24, 1939.

PECAN KRUNCH

No claim is made to the word "Pecan" apart from the mark.

FOR NUT BRITTLES USED ONLY FOR FLAVORING ICE CREAM AND SOLD IN BULK.

Claims use since Sept. 15, 1927.

Ser. No. 430,874. PECHTER BAKING CO., INC., New York, N. Y. Filed Apr. 17, 1940. Under 10-year proviso.

M. PECHTER'S

FOR RYE BREAD AND PUMPERNICKEL.

Claims use since 1888.

Ser. No. 431,148. "CHEBBS," Norman, Okla. Filed Apr. 24, 1940.



The words "Chicken In A Basket" are disclaimed apart from the mark.

FOR PREPARED CHICKEN LUNCHES AND DINNERS, PACKAGED AND SOLD TO THE TRADE AS SUCH.

Claims use since Aug. 21, 1939.

Ser. No. 432,180. CRESCA COMPANY, INCORPORATED, New York, N. Y. Filed May 21, 1940.



No claim is made to the word "American" apart from the mark.

FOR BLUEBERRY AND LEMON MARMALADE, CHERRY AND ORANGE MARMALADE, BITTER SWEET ORANGE MARMALADE, PEAR AND GINGER PRESERVE, DARK SWEET CHERRY PRESERVE, STRAWBERRY PRESERVE, RASPBERRY PRESERVE, DAMSON PLUM PRESERVE, PLUM CONSERVE, PEACH AND PLUM CONSERVE, CHERRY CONSERVE, SPICED GOOSEBERRIES, SPICED CURRANTS, SPICED GRAPES, PORT WINE JELLY, SHERRY WINE JELLY, MUSCATEL WINE JELLY, CAPE COD BEACH PLUM JELLY, SPICED GRAPE JELLY, ELDERBERRY JELLY, RED CURRANT JELLY, BLACK RASPBERRY JELLY, SWEET SPICED WATERMELON RIND, SWEET SPICED CUCUMBER RIND, SWEET SPICED CANTALOUPE RIND, SWEET CHOW CHOW, VIRGINIA HUNT RELISH, CONSISTING OF CUCUMBERS, PEPPERS, SUGAR, DISTILLED VINEGAR, CAULIFLOWER, SALT AND SPICES, PICCALILLI RELISH, SWEET PICKLED SAMPLER, CONSISTING OF CUCUMBERS, SUGAR, VINEGAR, CAULIFLOWER, ONIONS, SALT, PEPPER, SPICES AND TUMERIC, SWEET SPICED SLICED TOMATOES, MUSTARD RELISH SAUCE, RAISIN SAUCE, MINT SAUCE, PURE MAPLE SYRUP, PRESERVED STEM GINGER IN SYRUP, CRYSTALLIZED CANTON GINGER, WINE VINEGAR, DARJEELING TEA, FORMOSA OOLONG TEA, EXTRA FANCY PAN FIRED GREEN TEA, BLACK TEA, ENGLISH BREAKFAST TEA, YOUNG HYSON TEA, MIXED TEA, PEKOE AND ORANGE PEKOE BLEND TEA, MAINE COD FISH CAKES, NEW ORLEANS CREOLE OYSTER SOUP, NEW ORLEANS RED SNAPPER BOUILLON, NEW ORLEANS CREOLE GUMBO, NEW ORLEANS JAMBALAYA, MAINE YELLOW EYE BAKED BEANS WITH PORK, NEW ENGLAND BROWN BREAD, MAINE INDIAN PUDDING, MAINE CLAM CHOWDER, NEW ENGLAND FISH CHOWDER, WHOLE SWEET SPICED YELLOW CLING PEACHES; SWEET SPICED BARTLETT PEARS, HALVES; WHOLE SWEET SPICED APRICOTS, WHOLE YELLOW FREESTONE PEACHES, SLICED CANDIED YAMS, PHILADELPHIA STYLE SCRAPPLE, ALL CONTAINED IN BOXES, JARS, BOTTLES, OR CANS.

Claims use since May 2, 1940.

Ser. No. 432,513. OLIVER R. DUNN, Kent, Wash. Filed May 31, 1940.

Sausageburger

FOR SPECIAL PREPARATION EMBODYING A COMBINATION OF MEATS AND CONDIMENTS FOR USE AS A SANDWICH SPREAD.

Claims use since Jan. 5, 1940.

Ser. No. 433,562. FILICE AND PERRELLI CANNING COMPANY, INCORPORATED, Richmond, Calif. Filed July 1, 1940.

F and P

FOR CANNED FRUITS, CANNED VEGETABLES, CANNED FRUIT AND VEGETABLE JUICES FOR FOOD PURPOSES AND CANNED TOMATO SAUCE.

Claims use since July, 1914.

Ser. No. 435,550. THE LARSEN COMPANY, Green Bay, Wis. Filed Aug. 30, 1940.

foodmaster

FOR CANNED VEGETABLES.

Claims use since Apr. 22, 1940.

Ser. No. 437,558. JOSEPH FINGERHUT, doing business as Havmor Food Products, Brooklyn, N. Y. Filed Nov. 4, 1940.



No claim is made to the words "All American" apart from the mark. The figure is fanciful. The drawing is lined for red and blue.

FOR POTATO CHIPS.

Claims use since Sept. 1, 1938.

Ser. No. 439,474. THE H. ROUW COMPANY, Van Buren, Ark. Filed Jan. 7, 1941.

FAMOUS

Applicant is owner of registration No. 219,898, Oct. 26, 1926.

FOR FRESH FRUITS AND VEGETABLES—NAMELY, STRAWBERRIES, APPLES, ORANGES, TANGERINES, GRAPEFRUIT, LEMONS, PEACHES, GRAPES, TOMATOES, CUCUMBERS, GREEN BEANS, PEPPERS, SWEET POTATOES, SPINACH, CABBAGE, POTATOES, RADISHES, BEETS, CARROTS, TURNIPS, AND CANTALOUPES.

Claims use since June 1, 1925.

Ser. No. 439,589. GIOVANNI DI LULLO, Philadelphia, Pa. Filed Jan. 11, 1941.



The words "Spaghetti Sauce," "Packed By," and "Phila, Penna." are disclaimed apart from the mark.
FOR SPAGHETTI SAUCE.
Claims use since Dec. 1, 1939.

Ser. No. 440,061. SANTA ANA TUSTIN MUTUAL CITRUS ASSOCIATION, Tustin, Calif. Filed Jan. 28, 1941.

TUSTANA

FOR FRESH CITRUS FRUIT.
Claims use since Jan. 23, 1941.

Ser. No. 440,523. SIEMS BROS., INC., St. Paul, Minn. Filed Feb. 10, 1941.



The portrait is fanciful.
FOR MALT AND WHEAT BREAKFAST FOODS.
Claims use since Jan. 9, 1941.

Ser. No. 440,551. STACY B. GANOW, Caldwell, N. J. Filed Feb. 11, 1941.

JAMALADE

FOR FRUIT PRESERVES IN THE NATURE OF JAMS OR JELLIES.
Claims use since Feb. 3, 1941.

Ser. No. 440,705. QUALITY CAKING CO. INC., New York, N. Y. Filed Feb. 15, 1941.



The drawing is lined for red and blue. The words "Quality" and "Cake" are disclaimed apart from the mark.
FOR CAKES.
Claims use since October, 1940.

Ser. No. 440,743. CLARK BROTHERS CHEWING GUM CO., Pittsburgh, Pa. Filed Feb. 18, 1941.

CLOVETS

FOR CHEWING GUM.
Claims use since Jan. 23, 1941.

Ser. No. 440,761. STANDARD SYNTHETICS, INC., New York, N. Y. Filed Feb. 18, 1941.



No claim is made to the word "Brand" apart of the mark.
FOR OILS OF LEMON AND ORANGE FOR FLAVORING CANDIES AND THE LIKE.
Claims use since Dec. 2, 1940.

Ser. No. 440,784. WALTER D. KAHN, New York, N. Y. Filed Feb. 19, 1941.



Applicant disclaims the letters "A," "B," "D," and "G" apart from the mark.
FOR BISCUITS, CRACKERS, AND COOKIES.
Claims use since Feb. 17, 1941.

Ser. No. 440,807. H. DITTLINGER ROLLER MILLS CO., New Braunfels, Tex. Filed Feb. 20, 1941.



The drawing is lined for blue.
FOR WHEAT FLOUR.
Claims use since June, 1905.

Ser. No. 440,908. THE BORDEN COMPANY, doing business as Borden-Wieland, New York, N. Y., and Chicago, Ill. Filed Feb. 24, 1941.



FOR FLUID MILK.
Claims use since Nov. 26, 1940.

Ser. No. 440,952. OELERICH & BERRY COMPANY, Chicago, Ill. Filed Feb. 24, 1941.

BIG 9

FOR CANNED MIXED VEGETABLE JUICES.
Claims use since Feb. 19, 1941.

Ser. No. 440,971. CAROLENE PRODUCTS CO., Litchfield, Ill. Filed Feb. 24, 1941.

Carolene

FOR COMPOUND OF EVAPORATED SKIMMED MILK AND VEGETABLE OIL FOR FOOD PURPOSES.
Claims use since June 1, 1917.

Ser. No. 441,040. THE VIBOSOL COMPANY, Charlottesville, Va. Filed Feb. 26, 1941.



The words "Trade Mark" are disclaimed apart from the mark.
FOR FEED SUPPLEMENT FOR POULTRY AND STOCK FEED, CONTAINING VITAMINS AND MINERALS.
Claims use since Nov. 15, 1940.

Ser. No. 441,184. CARL SCHALLINGER CO., San Francisco, Calif. Filed Mar. 3, 1941.

SCO CASMONT

FOR DRESSED POULTRY.
Claims use since Nov. 4, 1940.

Ser. No. 441,338. WILKINSON BROS., Calipatria, Calif. Filed Mar. 7, 1941.

BAND MASTER

The applicant is the owner of registration No. 379,328, dated July 9, 1940.
FOR FRESH VEGETABLES.
Claims use since Jan. 29, 1941.

Ser. No. 441,346. CHARLESTON MILLING COMPANY, Charleston, W. Va. Filed Mar. 8, 1941.

WHITE PLAID

FOR WHEAT FLOUR.
Claims use since December, 1940.

Ser. No. 441,347. CHARLESTON MILLING COMPANY, Charleston, W. Va. Filed Mar. 8, 1941.



FOR WHEAT FLOUR.
Claims use since December, 1940.

Ser. No. 441,520. NATURAL CHEESE, INC., Chicago, Ill., and Juneau, Wis. Filed Mar. 13, 1941.

PORT-ALIS

FOR CHEESE.
Claims use since Feb. 15, 1941.

Ser. No. 441,613. C. LELAND JORDAN, doing business as A. Servfrend Service, Whittier, Calif. Filed Mar. 17, 1941.

SALUBRIOUS

FOR FRESH CITRUS FRUIT AND SALAD DRESSING.
Claims use since Jan. 7, 1941, on said fruits; since Mar. 3, 1941, on said dressing.

CLASS 47

WINES

Ser. No. 440,758. ROMA WINE COMPANY, INC., Fresno, Calif. Filed Feb. 18, 1941.

ROMA CITY

Applicant is owner of T. M. Reg. No. 318,900 for the word Roma, effected under the 10-year proviso.

FOR WINES.

Claims use since Nov. 22, 1940.

Ser. No. 441,500. COMEX WINE & SPIRITS CO., INC., New York, N. Y. Filed Mar. 13, 1941.

CELEBRATION CREAM

FOR WINES.

Claims use since Apr. 15, 1940.

Ser. No. 441,566. COMEX WINE & SPIRITS, INC., New York, N. Y. Filed Mar. 15, 1941.

DELICIA

FOR WINES.

Claims use since Dec. 21, 1933.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 441,873. MAIER BREWING CO., INC., Los Angeles, Calif. Filed Mar. 24, 1941.

FIRST CALL

FOR BEER.

Claims use since Mar. 13, 1941.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 440,968. WILLIAM J. WARDALL, trustee of the estate of McKesson & Robbins, Inc., debtor, New York, N. Y. Filed Feb. 24, 1941. Under section 5b of the act of 1905 as amended in 1920.

NEWPORT

FOR GIN.

Claims use since Apr. 19, 1939.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 438,837. THE GEVAERT COMPANY OF AMERICA, INC., New York, N. Y. Filed Dec. 14, 1940.

ANTISOL

FOR COLORED ACETATE SHEETS DESIGNED TO ABSORB A PORTION OF THE SUN'S SPECTRUM OR OF THE SPECTRUM OF OTHER ILLUMINANTS.

Claims use since Dec. 3, 1940.

Ser. No. 439,820. PAUL MACALISTER, INC., New York, N. Y. Filed Jan. 21, 1941.

PLAN-A-ROOM

Applicant disclaims the words "Plan-A-Room" apart from the mark.

FOR KIT OR PACKAGE CONTAINING ARTICLES REPRESENTING IN MINIATURE ROOMS AND ARTICLES OF FURNITURE AND FURNISHINGS, TO BE USED IN PLANNING THE INTERIOR DECORATION OF A HOME.

Claims use since Jan. 17, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 13, 1941

387,274. PUNCH BOARDS. RICHARD F. CONWAY, Chicago, Ill.
Filed November 15, 1937. Serial No. 399,747. PUBLISHED MARCH 4, 1941. Class 22.

387,275. PUNCH BOARDS. RICHARD F. CONWAY, Chicago, Ill.
Filed November 15, 1937. Serial No. 399,749. PUBLISHED MARCH 4, 1941. Class 22.

387,276. TREATED TEXTILE FABRICS. COPEMAN LABORATORIES COMPANY, Flint, Mich.
Filed June 6, 1938. Serial No. 407,131. PUBLISHED MARCH 4, 1941. Class 42.

387,277. MEN'S SUITS CONSISTING OF COATS, VESTS, AND TROUSERS. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio.
Filed December 12, 1938. Serial No. 413,715. PUBLISHED JANUARY 9, 1940. Class 39.

387,278. WOMEN'S PAJAMAS, MEN'S PAJAMAS, MEN'S SPORT SHIRTS, NECKTIES, MEN'S WOVEN UNDERWEAR, AND MEN'S HOSIERY. MAISON BLANCHE COMPANY, New Orleans, La.
Filed December 13, 1938. Serial No. 413,766. PUBLISHED MARCH 7, 1939. Class 39.

387,279. PARTS AND EQUIPMENT USED FOR AND IN CONNECTION WITH RADIO RECEIVING APPARATUS. THE RADIART CORPORATION, East Cleveland, Ohio.
Filed April 15, 1939. Serial No. 418,311. PUBLISHED MARCH 4, 1941. Class 21.

387,280. SAUSAGE. JOHN G. RAUSER, doing business as Rauser Sausage Co., Grand Rapids, Mich.
Filed April 17, 1939. Serial No. 418,363. PUBLISHED MARCH 4, 1941. Class 46.

387,281. COPPER ALLOY. J. K. SMIT & SONS, INC., New York, N. Y.
Filed August 25, 1939. Serial No. 423,009. PUBLISHED OCTOBER 31, 1939. Class 14.

387,282. SOAPS, ESPECIALLY ADAPTED FOR THE EMBALMING TRADE. THE EMBALMERS' SUPPLY COMPANY, Westport, Conn.
Filed November 30, 1939. Serial No. 426,088. PUBLISHED MARCH 4, 1941. Class 4.

387,283. PREPARATION USED IN THE BATH HAVING WATER SOFTENING AND SKIN BEAUTIFYING PROPERTIES. HYLO COMPANY, INCORPORATED, Houston, Tex.
Filed December 5, 1939. Serial No. 426,258. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,284. MEN'S, BOYS', AND CHILDREN'S POLO SHIRTS, UNDER-SHIRTS, GLOVES MADE OF LEATHER, RUBBER, FABRIC, ETC. RAYON CORPORATION OF AMERICA, Allentown, Pa.
Filed December 13, 1939. Serial No. 426,541. PUBLISHED MARCH 4, 1941. Class 39.

387,285. INSECTICIDES ADAPTED TO BE APPLIED TO WOOD TO PREVENT INSECT ATTACK THEREOF AND ACTING AS A PRESERVATIVE OF THE WOOD. A. D. CHAPMAN & COMPANY, INC., Chicago, Ill.
Filed January 2, 1940. Serial No. 427,067. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,286. INSECTIDES ADAPTED TO BE APPLIED TO WOOD TO PREVENT INSECT ATTACK THEREOF AND ACTING AS A PRESERVATIVE OF THE WOOD. A. D. CHAPMAN & COMPANY, INC., Chicago, Ill.
Filed January 2, 1940. Serial No. 427,068. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,287. VACUUM HOOKS. MAJESTIC HANDLE COMPANY, Chicago, Ill.
Filede January 2, 1940. Serial No. 427,081. PUBLISHED MARCH 4, 1941. Class 13.

387,288. ELECTRICAL APPLIANCES USED IN THE GRILLING AND ROASTING OF FRANKFURTERS BY ELECTRICITY. FRANK T. WINSTON, doing business as Winston Steeel & Tube Company, Warren, Ohio.
Filed January 18, 1940. Serial No. 427,606. PUBLISHED MARCH 4, 1941. Class 21.

387,289. EMULSIFYING, DISPERSING, WETTING, PENETRATING, AND WATER-BINDING AGENTS FOR GENERAL USE IN THE INDUSTRIAL ARTS OF MAKING CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. AKTIESELSKABET GRINDSTEDVAERKET, Grindsted, Denmark.
Filed February 6, 1940. Serial No. 428,277. PUBLISHED MARCH 4, 1941. Class 6.

387,290. COFFEE. M. M. BOYD, doing business as Boyd Coffee Company, Fort Worth, Tex.
Filed February 7, 1940. Serial No. 428,299. PUBLISHED MARCH 4, 1941. Class 46.

387,291. DISINFECTANTS AND DEORDORANTS NOT FOR USE ON THE PERSON. WESTERN CHEMICAL COMPANY, St. Joseph, Mo.
Filed February 9, 1940. Serial No. 428,410. PUBLISHED APRIL 23, 1940. Class 6.

387,292. BACKGROUND PAPER SHEETS FOR DISPLAY PURPOSES IN VIEWING CUT-OUT PHOTOGRAPHS OF HOUSES, HOMES, DWELLINGS, HOTELS, ETC. KEASBEY & MATTISON COMPANY, Ambler, Pa.
Filed February 19, 1940. Serial No. 428,693. PUBLISHED MARCH 4, 1941. Class 37.

387,293. POPCORN CONFECTION. THE CRACKER JACK Co., Chicago, Ill.
Filed March 1, 1940. Serial No. 429,093. PUBLISHED APRIL 16, 1940. Class 46.

387,294. CANNED SHRIMP. MCPHILLIPS PACKING CORPORATION, Bayou la Batre, Ala.
Filed March 12, 1940. Serial No. 429,483. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,295. SOCKS, DRESS SHIRTS, NEGLIGEE SHIRTS, SPORT SHIRTS, NECKERCHIEFS, COLLARS, MEN'S HATS AND CAPS, ETC. JOHN DAVID, INC., New York, N. Y., assignor to J. Schoeneman, Incorporated, Baltimore, Md., a corporation of Maryland.
Filed March 13, 1940. Serial No. 429,516. PUBLISHED JANUARY 14, 1941. Class 39.

387,296. FACE POWDER AND MAKE-UP LOTION. HELENA RUBINSTEIN, INC., New York, N. Y.
Filed April 11, 1940. Serial No. 430,664. PUBLISHED JUNE 18, 1940. Class 6.

387,297. WOODWORK—TO WIT, WINDOWS, DOORS, SASHES, FRAMES, SCREEN WINDOWS AND DOORS, BLINDS, AND SHUTTERS. HUTTIG MANUFACTURING CO., Muscatine, Iowa.
Filed April 13, 1940. Serial No. 430,736. PUBLISHED JULY 9, 1940. Class 12.

387,298. WOODWORK—TO WIT, WINDOWS, DOORS, SASHES, FRAMES, SCREEN WINDOWS AND DOORS, BLINDS, AND SHUTTERS. HUTTIG MANUFACTURING CO., Muscatine, Iowa.
Filed April 13, 1940. Serial No. 430,737. PUBLISHED JULY 9, 1940. Class 12.

387,299. STEAK SAUCE. ANDREW SOMMA, Miami Beach, Fla.
Filed April 18, 1940. Serial No. 430,932. PUBLISHED MARCH 4, 1941. Class 46.

387,300. WEIGHT REDUCING MACHINES. GOLDIE ZUCKER, doing business as The Exertone Company, Los Angeles, Calif., assignor to Exertone Inc., Los Angeles, Calif., a corporation.
Filed May 2, 1940. Serial No. 431,508. PUBLISHED JULY 2, 1940. Class 44.

387,301. LIVESTOCK AND DAIRY FEEDS AND INGREDIENTS ENTERING INTO THE COMPOSITION OF THE SAME, ETC. DIXIE MILLS COMPANY, East St. Louis, Ill.
Filed May 13, 1940. Serial No. 431,851. PUBLISHED MARCH 4, 1941. Class 46.

387,302. POULTRY FEEDS AND INGREDIENTS ENTERING INTO THE COMPOSITION OF THE SAME—NAMELY, HEN FEED, CORN AND WHEAT SCRATCH, ETC. DIXIE MILLS COMPANY, East St. Louis, Ill.
Filed May 13, 1940. Serial No. 431,853. PUBLISHED MARCH 4, 1941. Class 46.

387,303. COMMODITY WRAPPERS FORMED OF SHEETS OF PAPER, SHEETS OF REGENERATED CELLULOSE, OR SHEETS OF RUBBER HYDROCHLORIDE. MILPRINT, INC., Milwaukee, Wis.
Filed May 13, 1940. Serial No. 431,870. PUBLISHED FEBRUARY 4, 1941. Class 37.

387,304. PREPARATION FOR THE EXTERMINATION OF ANIMAL AND PLANT BUGS, LICE, TICKS, AND OTHER INSECTS AND PARASITES. ANTONE RELLA, doing business as Tony's Pesticide Company, Telluride, Colo.
Filed May 24, 1940. Serial No. 432,313. PUBLISHED DECEMBER 17, 1940. Class 6.

387,305. COFFEE, TEA, SPICES, EXTRACTS USED FOR FLAVORING FOODS — NAMELY, PURE VANILLA, PURE ORANGE, PURE LEMON, PURE ALMOND, IMITATION NECTAR, IMITATION STRAWBERRY, IMITATION BANANA, AND GELATIN BASE DESSERTS. FARMER BROS. CO., Los Angeles, Calif.
Filed May 25, 1940. Serial No. 432,341. PUBLISHED MARCH 4, 1941. Class 46.

387,306. COMBINED TURNTABLE, PICKUP ARM, RECORDING ARM, AND AUTOMATIC RECORD CHANGER DEVICES SOLD AS SUBCOMBINATIONS TO BE SUBSEQUENTLY INCORPORATED (ALONG WITH MICROPHONES, ELECTRICAL AMPLIFIERS, LOUDSPEAKERS, CONTROLS AND SWITCHES, AND CABINETS) IN COMPLETE COMBINATION AUTOMATIC RECORD CHANGING PHONOGRAPHS AND RECORDERS. J. P. SEEBURG CORPORATION, Chicago, Ill.
Filed May 31, 1940. Serial No. 432,559. PUBLISHED AUGUST 20, 1940. Class 36.

387,307. VAPOR RESERVOIR TANKS FOR CONTROLLING THE VAPOR PRESSURE IN GASOLINE STORAGE TANKS. GRAVER TANK & MFG. CO., INC., East Chicago, Ind.
Filed June 8, 1940. Serial No. 432,819. PUBLISHED MARCH 4, 1941. Class 2.

387,308. WHEAT FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed June 24, 1940. Serial No. 433,307. PUBLISHED AUGUST 27, 1940. Class 46.

387,309. READY-MIXED PAINTS. UNITED STATES GUTTA PERCHA PAINT COMPANY, Providence, R. I.
Filed August 2, 1940. Serial No. 434,620. PUBLISHED SEPTEMBER 24, 1940. Class 16.

387,310. DRUG PRODUCT CONSISTING OF A DRIED ENZYMIC HYDROLYSATE OF PURIFIED CASEIN ADMINISTERED INTRAVENOUSLY. MEAD JOHNSON & COMPANY, Evansville, Ind.
Filed August 19, 1940. Serial No. 435,133. PUBLISHED MARCH 4, 1941. Class 6.

387,311. HAMS, BACON, PICNICS, PORK SAUSAGE, SCRAPPLE, LUNCHEON MEAT, BOLOGNA, AND DRIED BEEF. THE WEBB PACKING COMPANY, Salisbury, Md.
Filed August 22, 1940. Serial No. 435,264. PUBLISHED JANUARY 21, 1941. Class 46.

387,312. GROUND BARYTES. MAGNET COVE BARIUM CORPORATION, Jamestown, Tenn. and Malvern, Ark.
Filed September 4, 1940. Serial No. 435,658. PUBLISHED MARCH 4, 1941. Class 1.

387,313. COLOGNE, POWDER BASE, LIQUID CLEANSER AND FRESHENER, CLEANSING CREAM, SPECIAL DRY SKIN MIXTURE, ETC. BRIDAL-PAC, INC., Manitou Springs, Colo.
Filed September 5, 1940. Under the act of Feb. 20, 1905, as amended June 10, 1938. Serial No. 435,676. PUBLISHED MARCH 4, 1941. Class 6.

387,314. PERFUMES AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed September 10, 1940. Serial No. 435,855. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,315. COMPOUND PREPARATION FOR USE AS AN INGREDIENT TO ADD ZEST AND FLAVOR TO FOODS. COFFEE PRODUCTS OF AMERICA, INC. LTD., Los Angeles, Calif., now by change of name Ben Hur Products, Inc., a corporation of Delaware.
Filed September 13, 1940. Serial No. 435,931. PUBLISHED MARCH 4, 1941. Class 46.

387,316. LADIES', MISSES', AND CHILDREN'S PANTIES, STEP-INS, I. E., UNDERDRAWERS, BANDEAUS, VESTS, SLIPS, NIGHTGOWNS, CHEMISES, BLOOMERS, AND PAJAMAS. KRUMHOLZ & LICHTBLAU, doing business as Kel-Ray Knitting Mills, New York, N. Y.
Filed September 13, 1940. Serial No. 435,941. PUBLISHED MARCH 4, 1941. Class 39.

387,317. PERFUMES, TOILET WATERS. PARFUMS CORDAY, INC., New York, N. Y.
Filed September 24, 1940. Serial No. 436,319. PUBLISHED MARCH 4, 1941. Class 6.

387,318. ELECTRIC LIGHTS AND/OR ELECTRIC LIGHTING FIXTURES. THE PERFECLITE COMPANY, Cleveland, Ohio.
Filed September 27, 1940. Serial No. 436,436. PUBLISHED FEBRUARY 18, 1941. Class 21.

387,319. MISSES' OR CHILDREN'S BLOUSES, DRESSES, SLACK SUITS, OR SPORTS PLAYSUITS. H. J. AXLER & SONS, Denver, Colo.
Filed October 2, 1940. Serial No. 436,559. PUBLISHED MARCH 4, 1941. Class 39.

387,320. CANNED FRUITS, VEGETABLES, AND APPLESAUCE. W. N. CLARK COMPANY, Rochester, N. Y.
Filed October 8, 1940. Serial No. 436,713. PUBLISHED MARCH 4, 1941. Class 46.

387,321. FRESH DECIDUOUS FRUITS—NAMELY, FRESH APPLES; AND FRESH VEGETABLES—NAMELY, FRESH LETTUCE. ROSE KALICH, doing business as M. L. Kalich & Co., Watsonville, Calif.
Filed October 15, 1940. Serial No. 436,972. PUBLISHED MARCH 4, 1941. Class 46.

387,322. PREPARED FOOD PRODUCTS—NAMELY, CANNED CHICKEN LIVER PATE, CANNED CHICKEN SANDWICH SPREAD, ETC. NORDIC BAKING AND IMPORTING COMPANY, Seattle, Wash.
Filed October 19, 1940. Serial No. 437,099. PUBLISHED MARCH 4, 1941. Class 46.

387,323. WALL SUPPORTED, PERFORATED, RUBBER DISC EQUIPPED TOWEL HOLDERS. SALMAN BERMANN, doing business as Snap Towel Holder Manufacturing Company, Los Angeles, Calif.
Filed October 21, 1940. Serial No. 437,116. PUBLISHED MARCH 4, 1941. Class 13.

387,324. COAL. IROQUOIS COAL COMPANY, Chicago, Ill.
Filed October 21, 1940. Serial No. 437,135. PUBLISHED MARCH 4, 1941. Class 1.

387,325. CHEMICALS, INCLUDING SULPHATE OF AMMONIA, SALAMMONIAC, TAR ACID OILS, TAR, TOLUOL, CREOSOTE, ETC. PITTSBURGH COKE & IRON COMPANY, Neville Island, Pa.
Filed October 21, 1940. Serial No. 437,145. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,326. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND EXTRACTS, ESPECIALLY GINGER ALE AND GINGER ALE EXTRACTS. GEORGE M. PARIS & COMPANY, INC., Lexington and Cambridge, Mass.
Filed October 23, 1940. Serial No. 437,217. PUBLISHED MARCH 4, 1941. Class 45.

387,327. SHOES OF LEATHER, CLOTH, AND RUBBER, AND COMBINATIONS THEREOF. ABE BIRENBAUM, doing business as A. H. Pearl and Pearl Shoe Company, Philadelphia, Pa.
Filed October 24, 1940. Serial No. 437,236. PUBLISHED MARCH 4, 1941. Class 39.

387,328. OPEN MESH PIECE GOODS USED FOR EMBROIDERY AND NEEDLE POINT WORK. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y.
Filed October 28, 1940. Serial No. 437,338. PUBLISHED MARCH 4, 1941. Class 42.

387,329. CHILI CON CARNE AND BEEF BROTH. CHICAGO FOOD PRODUCTS CO., Chicago, Ill.
Filed October 30, 1940. Serial No. 437,404. PUBLISHED MARCH 4, 1941. Class 46.

387,330. GREETING CARD PAPERS AND PAPERS FOR PAPETERIE. EASTERN CORPORATION, Bangor, Maine.
Filed October 30, 1940. Serial No. 437,408. PUBLISHED JANUARY 14, 1941. Class 37.

387,331. MEDICINE USED IN THE TREATMENT OF COUGHS AND COLDS. SYKES LABORATORIES, INC., Garfield, N. J.
Filed November 4, 1940. Serial No. 437,607. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,332. SANITARY CONTAINER FOR FALSE TEETH AND REMOVABLE DENTAL BRIDGES. MORTON HAGUE, doing business as Dentalator Products, Chicago, Ill.
Filed November 6, 1940. Serial No. 437,621. PUBLISHED MARCH 4, 1941. Class 44.

387,333. NONALCOHOLIC MALTLESS BEVERAGE. CANADA DRY GINGER ALE, INCORPORATED, New York, N. Y.
Filed November 7, 1940. Serial No. 437,643. PUBLISHED MARCH 4, 1941. Class 45.

387,334. EAU DE COLOGNE. THE SHOP OF STEFFIN, INC., New York, N. Y.
Filed November 7, 1940. Serial No. 437,669. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,335. DENTAL CREAM. LEON CHARLAMB, New York, N. Y.
Filed November 8, 1940. Serial No. 437,673. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,336. DECORATIVE CUT-OUTS. THE OILCRAFT COMPANY, San Francisco, Calif.
Filed November 12, 1940. Serial No. 437,799. PUBLISHED MARCH 4, 1941. Class 50.

387,337. SHOES MADE OF LEATHER, FABRIC, OR RUBBER, OR COMBINATIONS OF SAID MATERIALS. STENCHEVER'S, INC., Paterson, N. J.
Filed November 13, 1940. Serial No. 437,839. PUBLISHED MARCH 4, 1941. Class 39.

387,338. OVERALL SUITS FOR MEN, WOMEN, AND CHILDREN. WASHINGTON MANUFACTURING COMPANY, Nashville, Tenn.
Filed November 16, 1940. Serial No. 437,981. PUBLISHED MARCH 4, 1941. Class 39.

387,339. LUBRICATING OIL CLEANERS, BEING CHEMICAL PREPARATIONS. AMERICAN SAND-BANUM COMPANY, INC., New York, N. Y.
Filed November 22, 1940. Serial No. 438,104. PUBLISHED MARCH 4, 1941. Class 6.

387,340. GARTERS, SUSPENDERS, AND BELTS IN THE NATURE OF GARMENT SUPPORTERS. MORRIS REISMAN, New York, N. Y.
Filed November 22, 1940. Serial No. 438,154. PUBLISHED MARCH 4, 1941. Class 39.

387,341. MEN'S HATS. CAPSON HAT COMPANY, INC., Fall River, Mass.
Filed November 26, 1940. Serial No. 438,235. PUBLISHED MARCH 4, 1941. Class 39.

387,342. CALCIUM SULPHATE IN BULK FOR USE IN THE INDUSTRIAL ARTS. THE CALCIBRITE CORPORATION, Pawtucket, R. I.
Filed November 28, 1940. Serial No. 438,299. PUBLISHED MARCH 4, 1941. Class 1.

387,343. LOTION FOR ERADICATING SKIN WRINKLES. WILLIAM H. KUNSMAN, Morrisville, Pa.; Katherine Busche, executrix of William H. Kunsman, deceased, assignor to John P. Biedka, Bristol, Pa.
Filed November 28, 1940. Serial No. 438,311. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,344. MEN'S SUITS, OVERCOATS, TOPCOATS, TUXEDOS, FULL DRESS SUITS, SPORT SLACKS, SLACK SUITS, SPORT COATS, UNDERSHIRTS, OUTER SHIRTS, NECKTIES, UNDERWEAR, AND SOCKS. MOE LEVY & SON, INC., New York, N. Y.
Filed November 28, 1940. Serial No. 438,312. PUBLISHED MARCH 4, 1941. Class 39.

387,345. SHOES AND SLIPPERS MADE OF LEATHER OR FABRIC, OR OF COMBINATIONS OF SAID MATERIALS. DANIEL GREEN COMPANY, Dolgeville, N. Y.
Filed November 29, 1940. Serial No. 438,334. PUBLISHED MARCH 4, 1941. Class 39.

387,346. BROOMS, CLOTHES BRUSHES, AND WHISKBROOMS. RICH & FRANCE, INC., Chicago, Ill.
Filed November 29, 1940. Serial No. 438,355. PUBLISHED MARCH 4, 1941. Class 29.

387,347. SHEETS AND PILLOW CASES. THE ERWIN COTTON MILLS COMPANY, Durham, N. C.
Filed November 30, 1940. Serial No. 438,384. PUBLISHED MARCH 4, 1941. Class 42.

387,348. ANALGESIC ANTISEPTIC, NON-IRRITATING SURGICAL DRESSING IN SEMI-GELATINOUS FORM, FOR THE TREATMENT OF PYOGENIC INFECTION. FOSTER M. HULL, doing business as Hull Laboratories, Los Angeles, Calif.
Filed November 30, 1940. Serial No. 438,392. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,349. NECKTIES. STERN, MERRITT CO., INC., New York, N. Y.
Filed November 30, 1940. Serial No. 438,408. PUBLISHED MARCH 4, 1941. Class 39.

387,350. DRESSED TURKEYS. THE OMAHA COLD STORAGE COMPANY, Omaha, Nebr.
Filed December 2, 1940. Serial No. 438,445. PUBLISHED MARCH 4, 1941. Class 46.

387,351. PHOSPHORIC ACID, PHOSPHATE ROCK, SUPERPHOSPHATE, TRIPLE SUPERPHOSPHATE, AMMONIUM PHOSPHATES, ETC. THE PHOSPHATE MINING COMPANY, New York, N. Y.
Filed December 2, 1940. Serial No. 438,448. PUBLISHED MARCH 4, 1941. Class 6.

387,352. TEXTILE FINISHES AND ASSISTANTS. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed December 3, 1940. Serial No. 438,464. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,353. WATERPROOFING AND PROTECTIVE PAINT OR ENAMEL COATING FOR CONCRETE, STEEL, WOOD, PLASTER, MASONRY, AND METAL SURFACES IN GENERAL. INERTOL COMPANY, INC., New York, N. Y.
Filed December 3, 1940. Serial No. 438,482. PUBLISHED MARCH 4, 1941. Class 16.

387,354. WATERPROOFING AND PROTECTIVE PAINT OR ENAMEL COATING FOR CONCRETE, STEEL, WOOD, PLASTER, MASONRY, AND METAL SURFACES IN GENERAL. INERTOL COMPANY, INC., New York, N. Y.
Filed December 3, 1940. Serial No. 438,483. PUBLISHED MARCH 4, 1941. Class 16.

387,355. BEAD CORDS. BEAM MANUFACTURING COMPANY, Muncie, Ind.
Filed December 4, 1940. Serial No. 438,499. PUBLISHED MARCH 4, 1941. Class 40.

387,356. CHEMICAL PRODUCTS USED FOR THE DYEING AND FINISHING OF ALL FIBRES, YARNS, AND FABRICS AS WELL AS LEATHER AND PAPER. WARWICK CHEMICAL COMPANY, West Warwick, R. I.
Filed December 4, 1940. Serial No. 438,519. PUBLISHED MARCH 4, 1941. Class 6.

387,357. BOOK PAPER. KIMBERLY-CLARK CORPORATION, Neenah, Wis.
Filed December 6, 1940. Serial No. 438,573. PUBLISHED MARCH 4, 1941. Class 37.

387,358. WOMEN'S, MISSES', AND CHILDREN'S DRESSES OF WOVEN AND KNITTED FABRICS. MEADOWBROOK SPORTSWEAR, INC., New York, N. Y.
Filed December 6, 1940. Serial No. 438,576. PUBLISHED MARCH 4, 1941. Class 39.

387,359. BREAD. WILLIAM A. SCHAUTZ, INC., New York, N. Y.
Filed December 6, 1940. Serial No. 438,587. PUBLISHED MARCH 4, 1941. Class 46.

387,360. LADIES' AND MISSES' DRESSES, BLOUSES, SKIRTS, AND JACKETS. MAYFLOWER DRESS CO., INC., New York, N. Y.
Filed December 7, 1940. Serial No. 438,623. PUBLISHED MARCH 4, 1941. Class 39.

387,361. CANNED VEGETABLES, CANNED FRUITS, CANNED PUMPKIN, AND CANNED SAUER KRAUT. MID CITY WHOLESALE GROCERS, INC., Cicero, Ill.
Filed December 7, 1940. Serial No. 438,624. PUBLISHED MARCH 4, 1941. Class 46.

387,362. BUTTER. GEO. EHLENBERGER & CO., INC., New York, N. Y., and Miami, Fla.
Filed December 9, 1940. Serial No. 438,647. PUBLISHED MARCH 4, 1941. Class 46.

387,363. CANNED AND PACKAGED DOG FOOD. GENERAL LABORATORIES, INC., Des Moines, Iowa.
Filed December 9, 1940. Serial No. 438,650. PUBLISHED MARCH 4, 1941. Class 46.

387,364. FRESH VEGETABLES, FRESH DECIDUOUS FRUITS, FRESH GRAPES, AND FRESH MELONS. JIM. NAKAMURA, doing business as Crown Marketing Co., Los Angeles, Calif.
Filed December 9, 1940. Serial No. 438,662. PUBLISHED MARCH 4, 1941. Class 46.

387,365. SALAD DRESSING, SANDWICH SPREAD AND EGG NOODLES. WINSTON AND NEWELL COMPANY, Minneapolis, Minn.
Filed December 9, 1940. Serial No. 438,676. PUBLISHED MARCH 4, 1941. Class 46.

387,366. CANNED VEGETABLE JUICES FOR FOOD PURPOSES. BARRON-GRAY PACKING COMPANY, San Jose, Calif.
Filed December 10, 1940. Serial No. 438,679. PUBLISHED MARCH 4, 1941. Class 46.

387,367. GENERAL LINE OF PAINTS AND PAINT PRODUCTS—NAMELY, READY-MIXED PAINTS, PAINT ENAMELS, LACQUERS, PRIMERS, SURFACERS, PAINT THINNERS, VARNISHES, AND SYNTHETIC PAINT ENAMELS. RED-BAR BATTERY COMPANY, Dayton, Ohio.
Filed December 10, 1940. Serial No. 438,704. PUBLISHED MARCH 4, 1941. Class 16.

387,368. LEATHER SHOES, FABRIC SHOES, AND SHOES OF LEATHER AND FABRIC. BANCROFT WALKER COMPANY, Waltham, Mass.
Filed December 11, 1940. Serial No. 438,718. PUBLISHED MARCH 4, 1941. Class 39.

387,369. OIL SPACE HEATERS. GUIBERSON OIL HEATER CO., Dallas, Tex.
Filed December 11, 1940. Serial No. 438,733. PUBLISHED MARCH 4, 1941. Class 34.

387,370. RICE. PFEFFER RICE MILLING COMPANY, INC., Houston, Tex.
Filed December 11, 1940. Serial No. 438,741. PUBLISHED MARCH 4, 1941. Class 46.

387,371. RICE. PFEFFER RICE MILLING COMPANY, INC., Houston, Tex.
Filed December 11, 1940. Serial No. 438,742. PUBLISHED MARCH 4, 1941. Class 46.

387,372. HOLDERS FOR NURSING BOTTLES INTENDED TO BE ATTACHED TO BABY CRIBS AND THE LIKE. BABY AIDS, INC., New York, N. Y.
Filed December 12, 1940. Serial No. 438,753. PUBLISHED MARCH 4, 1941. Class 50.

387,373. APRONS FOR WOMEN AND CHILDREN, DRESSES, AND UNIFORMS FOR SERVICE. VERA F. FULTON, Gallipolis, Ohio.
Filed December 12, 1940. Serial No. 438,761. PUBLISHED MARCH 4, 1941. Class 39.

387,374. FLOUR, PARTICULARLY BLEACHED WHEAT FLOUR WITH ADDED VITAMINS AND MINERALS. GENERAL MILLS, INC., Minneapolis, Minn.
Filed December 12, 1940. Serial No. 438,764. PUBLISHED MARCH 4, 1941. Class 46.

387,375. TABLECLOTHS AND NAPKINS MADE OF COTTON AND RAYON FABRICS BOTH IN THE PLAIN AND DAMASK WEAVES. NEW YORK MERCHANDISE CO. INC., New York, N. Y.
Filed December 12, 1940. Serial No. 438,773. PUBLISHED MARCH 4, 1941. Class 42.

387,376. ACCESSORIES FOR HARNESS AND SADDLERY—NAMELY, RINGS, BUCKLES, LOOPS, ORNAMENTS, AND TRIMMINGS. NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn.
Filed December 12, 1940. Serial No. 438,774. PUBLISHED MARCH 4, 1941. Class 3.

387,377. BOOTS, SHOES, AND SLIPPERS OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. DAN PALTER, New York, N. Y.
Filed December 13, 1940. Serial No. 438,813. PUBLISHED MARCH 4, 1941. Class 39.

387,378. CANNED SALMON. SHIELD FOODS, INC., Buffalo, N. Y.
Filed December 13, 1940. Serial No. 438,816. PUBLISHED MARCH 4, 1941. Class 46.

387,379. ALE OF LEGAL ALCOHOLIC CONTENT. BAVARIAN BREWING CO., INC., Covington, Ky.
Filed December 16, 1940. Serial No. 438,859. PUBLISHED MARCH 4, 1941. Class 48.

387,380. UPHOLSTERY CLEANER. ELMER M. DE PENCIER, doing business as Permorite Products Co., Los Angeles, Calif.
Filed December 16, 1940. Serial No. 438,871. PUBLISHED MARCH 4, 1941. Class 4.

387,381. MEN'S, WOMEN'S, AND CHILDREN'S SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. PENALJO, INC., St. Louis, Mo.
Filed December 16, 1940. Serial No. 438,899. PUBLISHED MARCH 4, 1941. Class 39.

387,382. "MIMEOGRAPH", BRISTOL, AND WRAPPING PAPER. HAWLEY PULP AND PAPER COMPANY, Oregon City, Oreg.
Filed December 17, 1940. Serial No. 438,944. PUBLISHED MARCH 4, 1941. Class 37.

387,383. SPORT JACKETS, JOCKEY CAPS, AVIATORS' JUMPERS, BASKETBALL TRUNKS, MAJORETTES' UNIFORMS, ETC. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y.
Filed December 17, 1940. Serial No. 438,961. PUBLISHED MARCH 4, 1941. Class 39.

387,384. WAVE SETTING LOTION FOR THE HAIR. ROUX DISTRIBUTING CO., New York, N. Y.
Filed December 18, 1940. Serial No. 438,996. PUBLISHED MARCH 4, 1941. Class 6.

387,385. CHEMICAL ADDITIVE FOR USE IN THE MANUFACTURE OF LUBRICANTS AND CUTTING OILS. STANDARD OIL DEVELOPMENT COMPANY, Linden, N. J.
Filed December 18, 1940. Serial No. 439,001. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,386. NON-ALCOHOLIC MALTLESS BEVERAGES. CONSOLIDATED BEVERAGES, INC., Louisville, Ky.
Filed December 19, 1940. Serial No. 439,014. PUBLISHED MARCH 4, 1941. Class 45.

387,387. TOOTHACHE KIT INCLUDING TOOTHACHE TABLETS, STERILE COTTON PELLETS, TOOTHACHE LIQUID, AND COTTON TWEEZERS. C. E. ROBINSON, Cleveland, Ohio, assignor to Plough, Inc., Memphis, Tenn., a corporation of Delaware.
Filed December 19, 1940. Serial No. 439,026. PUBLISHED MARCH 4, 1941. Class 6.

387,388. DYESTUFFS. SANDOZ CHEMICAL WORKS, INC., New York, N. Y.
Filed December 19, 1940. Serial No. 439,028. PUBLISHED FEBRUARY 25. 1941. Class 6.

387,389. STOCKINGS AND BATHING SUITS. IMPEX, INC., New York, N. Y.
Filed December 20, 1940. Serial No. 439,047. PUBLISHED MARCH 4, 1941. Class 39.

387,390. WOMEN'S AND MISSES' SLIPS AND NIGHTGOWNS. TAILORED SILK UNDERGARMENT CO., INC., New York, N. Y.
Filed December 20, 1940. Serial No. 439,058. PUBLISHED MARCH 4, 1941. Class 39.

387,391. CHEMICAL PREPARATION USED IN THE FINISHING OF TEXTILE FABRICS. ARKANSAS COMPANY, INC., Newark, N. J.
Filed December 21, 1940. Serial No. 439,063. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,392. CHEMICAL PREPARATION USED IN THE FINISHING OF TEXTILE FABRICS. ARKANSAS COMPANY, INC., Newark, N. J.
Filed December 21, 1940. Serial No. 439,064. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,393. PENETRATING AND LEVELING AGENT USED IN THE WET PROCESSING OF TEXTILE FABRICS. ARKANSAS COMPANY, INC., Newark, N. J.
Filed December 21, 1940. Serial No. 439,066. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,394. WORK GLOVES OF FABRIC. WELLS-LAMONT-SMITH CORPORATION, Chicago, Ill.
Filed December 21, 1940. Serial No. 439,085. PUBLISHED MARCH 4, 1941. Class 39.

387,395. RAYON AND ACETATE FABRICS IN THE PIECE. PEDIGREE FABRICS INC., New York, N. Y.
Filed December 23, 1940. Serial No. 439,125. PUBLISHED MARCH 4, 1941. Class 42.

387,396. TABLE SYRUP. PENICK & FORD, LTD. INCORPORATED, New York, N. Y.
Filed December 23, 1940. Serial No. 439,126. PUBLISHED MARCH 4, 1941. Class 46.

387,397. PANCAKE FLOUR. THE COLORADO MILLING & ELEVATOR CO., Denver, Colo.
Filed December 23, 1940. Serial No. 439,146. PUBLISHED MARCH 4, 1941. Class 46.

387,398. POTATO CHIPS. FAMOUS FOODS, INC., Detroit, Mich.
Filed December 24, 1940. Serial No. 439,156. PUBLISHED MARCH 4, 1941. Class 46.

387,399. HOSIERY. FRIEDMAN HOSIERY CORP., New York, N. Y.
Filed December 24, 1940. Serial No. 439,160. PUBLISHED MARCH 4, 1941. Class 39.

387,400. SOAP. MANHATTAN SOAP COMPANY, INC., New York, N. Y.
Filed December 24, 1940. Serial No. 439,164. PUBLISHED MARCH 4, 1941. Class 4.

387,401. COSMETICS — NAMELY, CLEANSING CREAM, FOUNDATION FILM, CREME ROUGE, EYESHADOW, LIQUID FACIAL MASK, ETC. GLORIA ROPER, doing business as Vernille Studios, Oakland, Calif.
Filed December 24, 1940. Serial No. 439,176. PUBLISHED MARCH 4, 1941. Class 6.

387,402. PIECE GOODS COMPOSED WHOLLY OR IN PART OF YARN OF ARTIFICIAL ORIGIN. AMERICAN BEMBERG CORPORATION, New York, N. Y.
Filed December 27, 1940. Serial No. 439,216. PUBLISHED MARCH 4, 1941. Class 42.

387,403. ICE CREAM. THE BORDEN COMPANY, New York, N. Y.
Filed December 27, 1940. Serial No. 439,220. PUBLISHED MARCH 4, 1941. Class 46.

387,404. FRESH CITRUS FRUITS. RIVERA CITRUS ASSOCIATION, Rivera, Calif.
Filed December 27, 1940. Serial No. 439,239. PUBLISHED MARCH 4, 1941. Class 46.

387,405. PIECE GOODS COMPOSED WHOLLY OR IN PART OF YARN OF ARTIFICIAL ORIGIN. AMERICAN BEMBERG CORPORATION, New York, N. Y.
Filed December 30, 1940. Serial No. 439,264. PUBLISHED FEBRUARY 25, 1941. Class 42.

387,406. LIPSTICKS AND LIP ROUGE. EVER-DRY CORPORATION, also doing business as Tipstik Cosmetics, Los Angeles, Calif.
Filed December 30, 1940. Serial No. 439,271. PUBLISHED MARCH 4, 1941. Class 6.

387,407. PIECE GOODS OF COTTON, LINEN, ARTIFICIAL AND NATURAL SILK GOODS AND SYNTHETIC (RAYON AND ACETATE) TEXTILE FABRICS, PLAIN, COLORED AND PRINTED. MARVLO MILLS, INC., New York, N. Y.
Filed December 30, 1940. Serial No. 439,291. PUBLISHED MARCH 4, 1941. Class 42.

387,408. PILE FABRICS IN THE PIECE OF COTTON BASE, COMBINATION WOOL AND MOHAIR USED IN THE MANUFACTURE OF LADIES' COATS AND MUFFS. PHILIP SHLANSKY & BRO., INC., New York, N. Y.
Filed December 30, 1940. Serial No. 439,298. PUBLISHED MARCH 4, 1941. Class 42.

387,409. HAND CREAM, PERFUME, COLD CREAM, SKIN CREAM, POMADE, ROUGE, FACE POWDER, BATH SALTS, BRILLIANTINE, NAIL POLISH, DEODORANT, NAIL POLISH REMOVER, LIPSTICKS, TOOTHPASTE, MOUTH WASH, AND SHAMPOO. SIMON KLEINKRAMER, New York, N. Y.
Filed January 4, 1941. Serial No. 439,412. PUBLISHED MARCH 4, 1941. Class 6.

387,410. HAND CREAM, PERFUME, COLD CREAM, SKIN CREAM, POMADE, ROUGE, FACE POWDER, BATH SALTS, BRILLIANTINE, NAIL POLISH, DEODORANT, NAIL POLISH REMOVER, LIPSTICKS, TOOTHPASTE, MOUTHWASH, AND SHAMPOO. SIMON KLEINKRAMER, New York, N. Y.
Filed January 4, 1941. Serial No. 439,413. PUBLISHED MARCH 4, 1941. Class 6.

387,411. LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, ETC. I. SCHNEIERSON & SONS, INC., New York, N. Y.
Filed January 4. 1941. Serial No. 439,420. PUBLISHED MARCH 4. 1941. Class 39.

387,412. HAIR WAVING LOTIONS. SALES AFFILIATES, INC., New York, N. Y.
Filed January 8, 1941. Serial No. 439,494. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,413. GLYCERINE. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.
Filed January 10, 1941. Serial No. 439,536. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,414. LIPSTICKS, LIP ROUGES, AND FACE ROUGES. GERMAINE MONTEIL COSMETIQUES CORPORATION, New York, N. Y.
Filed January 11, 1941. Serial No. 439,592. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,415. MATERIAL IN THE FORM OF A PASTE USED FOR DETERMINING THE PRESENCE OF WATER IN GASOLINE, KEROSENE, GAS OILS, AND OTHER OILS DERIVED FROM PETROLEUM. CHARLES M. SMYTHE, doing business as Kolor Kut Products Company, Houston, Tex.
Filed January 11, 1941. Serial No. 439,606. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,416. COMPOUND FOR FORTIFYING SOFT DRINKS WITH VITAMIN B—1. W. B. MCDOWELL, Shelton, S. C.
Filed January 14, 1941. Serial No. 439,661. PUBLISHED MARCH 4, 1941. Class 6.

387,417. LIPSTICKS. CHARLES OF THE RITZ, INC., New York, N. Y.
Filed January 17, 1941. Serial No. 439,750. PUBLISHED MARCH 4, 1941. Class 6.

387,418. SILOS AND BLOCKS AND STAVES USED IN THE MANUFACTURE OF SILOS. INDEPENDENT SILO CO., St. Paul, Minn.
Filed January 17, 1941. Serial No. 439,753. PUBLISHED MARCH 4, 1941. Class 2.

387,419. MEDICINAL PREPARATION OF HOMOGENIZED VITAMINS A, B_1, B_2, C, AND D, WHICH IS USEFUL IN THE TREATMENT OF DEFICIENCIES OF THE VITAMINS REPRESENTED IN THE FORMULA. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed January 21, 1941. Serial No. 439,816. PUBLISHED MARCH 4, 1941. Class 6.

387,420. MEDICINAL PREPARATION OF PAN-VITAMINS CONTAINING VITAMINS A, B_1, B_2(G), B_6, C, D, NICOTINAMIDE, AND PANTOTHENIC ACID. USEFUL AS A PROPHYLACTIC AGAINST VITAMIN DEFICIENCIES. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed January 21, 1941. Serial No. 439,817. PUBLISHED MARCH 4, 1941. Class 6.

387,421. GUMMED CLOTH AND SISAL TAPE. MID-STATES GUMMED PAPER CO., Chicago, Ill.
Filed January 21, 1941. Serial No. 439,822. PUBLISHED MARCH 4, 1941. Class 5.

387,422. MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF HEMORRHOIDS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed January 21, 1941. Serial No. 439,846. PUBLISHED MARCH 4, 1941. Class 6.

387,423. MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF COUGHS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed January 21, 1941. Serial No. 439,847. PUBLISHED MARCH 4, 1941. Class 6.

387,424. MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF SCABIES. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed January 21, 1941. Serial No. 439,848. PUBLISHED MARCH 4, 1941. Class 6.

387,425. WOODEN AND UPHOLSTERED FURNITURE, INCLUDING BEDS, DRESSERS, TABLES, MIRRORS, STOOLS, CHAIRS, ETC. GRAND RAPIDS FURNITURE MAKERS GUILD, Grand Rapids, Mich.
Filed January 22, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 439,867. PUBLISHED MARCH 4, 1941. Class 32.

387,426. FISHING REELS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 24, 1941. Serial No. 439,931. PUBLISHED MARCH 4, 1941. Class 22.

387,427. COACHES, LOUNGES, COTS, SOFAS, AND SETTEES. BARCALO MANUFACTURING COMPANY, Buffalo, N. Y.
Filed January 27, 1941. Serial No. 439,990. PUBLISHED MARCH 4, 1941. Class 32.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

387,428. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) U. S. MANUFACTURING CORPORATION, Decatur, Ill. Filed Feb. 11, 1938. Serial No. 402,958.

GAY-HUE

FOR BASE METAL DISHES.
Claims use since Dec. 1, 1937.

387,429. (CLASS 39. CLOTHING.) DUTCHESS UNDERWEAR CORPORATION, New York, N. Y. Filed Aug. 12, 1938. Serial No. 409,513.

WULYPLEATS

FOR LADIES' UNDERWEAR AND DRESSES HAVING A CONTENT OF FROM 10% to 75% WOOL.
Claims use since July 1, 1938.

387,430. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) E. H. JACOBS MANUFACTURING CO., INC., Danielson, Conn. Filed Dec. 30, 1938. Serial No. 414,352.

CASTEEL

FOR TEXTILE MACHINERY—NAMELY, DOBBY AND HARNESS CORDS.
Claims use since Oct. 1, 1938.

387,431. (CLASS 39. CLOTHING.) MAX SOLASH, Linden, N. J. Filed Apr. 17, 1939. Serial No. 418,370.

HAT *Hats* BAR

FOR WOMEN'S AND GIRLS' HATS.
Claims use since Nov. 6, 1938.

387,432. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FROSTED FRUIT PRODUCTS, Los Angeles, Calif. Filed Aug. 14, 1939. Serial No. 422,586.

CHILLDRIPE

FOR FROZEN SEEDLESS PUREES OF FRUITS AND BERRIES.
Claims use since Nov. 10, 1938.

387,433. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE MONOMELT CO., INC., Minneapolis, Minn. Filed Sept. 27, 1939. Serial No. 423,980.

PLANE-O-PLATE

FOR MACHINE OF THE MILLING MACHINE TYPE FOR OPERATING UPON AND FINISHING PRINTING PLATES.
Claims use since Feb. 10, 1937.

387,434. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SALVATORE F. TESORO, doing business as S. F. Tesoro & Co., Chicago, Ill. Filed Sept. 27, 1939. Serial No. 423,989.

ITALIA

FOR MEDICINAL PREPARATIONS, SPECIFICALLY, BITTERS.
Claims use since Feb. 1, 1937.

387,435. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) THE SOLID GAS CORPORATION, San Francisco, Calif. Filed Dec. 6, 1939. Serial No. 426,308.



FOR DRY ICE.
Claims use since Oct. 13, 1935.

387,436. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) E. H. JACOBS MANUFACTURING CO., INC., Danielson, Conn. Filed Dec. 12, 1939. Serial No. 426,496.

Verybest

FOR LOOM SUPPLIES—NAMELY, CHECK STRAPS, SILK PICKERS, PICKER STICKS, LOOM PICKERS, BUMPER STRAPS, HARNESS STRAPS, LOOP PICKERS, DOBBY CORDS, AND LUG STRAPS.
Claims use since Jan. 1, 1907.

387,437. (CLASS 39. CLOTHING.) SAMUEL GROSSMAN, Chicago, Ill. Filed Feb. 23, 1940. Serial No. 428,808.

Marcy Allen

FOR MISSES' AND GIRLS' DRESSES.
Claims use since Feb. 1, 1940.

387,438. (CLASS 39. CLOTHING.) BONWIT TELLER, INC., New York, N. Y. Filed Feb. 29, 1940. Serial No. 429,035.

"WINFREY"

FOR WOMEN'S AND MISSES' BLOUSES, SWEATERS, DRESSES, COATS, SUITS, OUTER SKIRTS, HATS, SCARFS; BELTS FOR OUTER WEAR; HANDKERCHIEFS; SHOES MADE OF LEATHER, FABRIC AND COMBINATIONS THEREOF; HOSIERY, GLOVES MADE OF LEATHER AND FABRIC; AND UNDERWEAR—I. E., SLIPS, PETTICOATS, BRASSIÈRES, GIRDLES, CORSETS, BLOOMERS, AND PANTIES.
Claims use since Feb. 26, 1940.

387,439. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) NATIONAL MINERAL COMPANY, Chicago, Ill. Filed Mar. 4, 1940. Serial No. 429,189.

WINDSOR

FOR PERMANENT WAVE PADS.
Claims use since Oct. 1, 1939.

387,440. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) McPHILLIPS PACKING CORPORATION, Bayou la Batre, Ala. Filed Mar. 12, 1940. Serial No. 429,485.

McPhillips

FOR CANNED SHRIMP.
Claims use since Feb. 28, 1940.

387,441. (CLASS 39. CLOTHING.) BERKSHIRE KNITTING MILLS, Wyomissing, Pa. Filed Mar. 13, 1940. Serial No. 429,511.

Stretchlace

FOR HOSIERY.
Claims use since Mar. 6, 1940.

387,442. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. K. SMIT & SONS, INC., New York, N. Y. Filed Mar. 28, 1940. Under the act of Mar. 19, 1920, as amended June 10, 1938. Serial No. 430, 101.
Serial No. 430,101.

TRUCAST

FOR DIAMOND CORE BITS.
Claims use since Mar. 12, 1940.

387,443. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OSMOND D. PERRY, doing business as Perry Products Co., Los Angeles, Calif. Filed Mar. 29, 1940. Serial No. 430,145.

KWIK-TAN

FOR SKIN CREAM.
Claims use since Mar. 25, 1940.

387,444. (CLASS 37. PAPER AND STATIONERY.) THE ALBEMARLE PAPER MANUFACTURING CO., Richmond, Va. Filed Apr. 13, 1940. Serial No. 430,707.

RICHKRAFT

FOR WRAPPING PAPER, ENVELOPE PAPER, WATERPROOF PAPER, AND WAXED PAPER.
Claims use since Apr. 2, 1940.

387,445. (CLASS 39. CLOTHING.) HUGO SCHEIBNER, Los Angeles, Calif. Filed Apr. 19, 1940. Serial No. 430,973.



FOR WOMEN'S SUITS, DRESSES, COATS, CAPES, OUTER AND UNDER SKIRTS, BLOUSES, SLACKS, SLEEPING PAJAMAS, LOUNGING PAJAMAS, LINGERIE—NAMELY, STEP-INS, PANTIES, BLOOMERS, UNDERWEAR, AND NIGHTGOWNS—NEGLIGEES, BATHROBES, LOUNGING ROBES, PLAY SUITS, SUN SUITS, SWEATERS, SCARFS, FOUNDATION GARMENTS, BRASSIÈRES, GIRDLES, HATS, BATHING SUITS, RAINCOATS, AND SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF, RIDING BREECHES, RIDING BOOTS, FUR COATS, AND FUR JACKETS.
Claims use since Feb. 16, 1940.

387,446. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD MILLING COMPANY, New York, N. Y. Filed Apr. 22, 1940. Serial No. 431,090.



FOR WHEAT FLOUR AND SELF-RISING FLOUR.
Claims use since Mar. 25, 1940.

387,447. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) HEINRICH HERMANN & WEISS, INC., New York, N. Y. Filed Apr. 27, 1940. Serial No. 431,304.

TYPAK

FOR NECKTIE RECEPTACLES HAVING NECKTIE RACKS THEREIN.
Claims use since Apr. 1, 1940.

387,448. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELMER L. WARD, Cincinnati, Ohio. Filed May 22, 1940. Serial No. 432,229.

"TASTE"

FOR MOUTHWASH, DENTIFRICE, AND A BREATH DEODORANT.
Claims use since Apr. 1, 1940.

387,449. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) EDDIE BAUER, Seattle, Wash. Filed June 21, 1940. Serial No. 433,243.

"PRECISION" TESTED

FOR FISH LURES.
Claims use since Feb. 16, 1940.

387,450. (CLASS 39. CLOTHING.) MALONE KNITTING COMPANY, Springfield, Mass. Filed July 19, 1040. Serial No. 434,152.

BABYLIKE

FOR INFANTS' UNDERWEAR.
Claims use since Mar. 11, 1940.

387,451. (CLASS 39. CLOTHING.) HUDSON HANDKERCHIEF CO., INC., Newark, N. J. Filed July 29, 1940. Serial No. 434,445.



FOR HANDKERCHIEFS.
Claims use since Mar. 23, 1939.

387,452. (CLASS 39. CLOTHING.) JANTZEN KNITTING MILLS, Portland, Oreg. Filed Aug. 3, 1940. Serial No. 434,651.

"Feather-fleece Pullover"

FOR SWEATERS FOR MEN, WOMEN, AND CHILDREN.
Claims use since July, 1938.

387,453. (CLASS 27. HOROLOGICAL INSTRUMENTS.) UNEEDA CREDIT CLOTHING STORES, INC., Brooklyn, N. Y., assignor to Uneeda-National, Inc., Brooklyn, N. Y. Filed Aug. 9, 1940. Serial No. 434,858.

MONROE

FOR TIME KEEPING DEVICES, PARTICULARLY CHRONOGRAPHS, CHRONOMETERS, CLOCKS, AND WATCHES.
Claims use since Jan. 20, 1940.

387,454. (CLASS 39. CLOTHING.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Aug. 21, 1940. Serial No. 435,203.

KINGSWOOD

FOR MEN'S SUITS.
Claims use since Mar. 11, 1940.

387,455. (CLASS 39. CLOTHING.) LADY ESTER LINGERIE CORPORATION, New York, N. Y. Filed Aug. 21, 1940. Serial No. 435,211.

Sliperfection

FOR WOMEN'S AND MISSES' SLIPS.
Claims use since Mar. 15, 1940.

387,456. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HARRY DE ARMOND, Toledo, Ohio. Filed Aug. 29, 1940. Serial No. 435,497.

DeArmond

FOR MICROPHONE ACCESSORIES FOR STRINGED MUSICAL INSTRUMENTS.
Claims use since Mar. 15, 1940.

387,457. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUCIEN LELONG, INC., Chicago, Ill. Filed Sept. 19, 1940. Serial No. 436,126.

Les Fleurs de

LUCIEN LELONG

FOR PERFUME.
Claims use since June 14, 1938.

387,458. (CLASS 37. PAPER AND STATIONERY.) GRAHAM PAPER COMPANY, St. Louis, Mo. Filed Nov. 22, 1940. Serial No. 438,130.

Safe T Tissue

FOR TISSUE PAPER.
Claims use since Dec. 14, 1938.

387,459. (CLASS 39. CLOTHING.) LEVY BROS. & ADLER ROCHESTER, INC., Rochester, N. Y. Filed Nov. 22, 1940. Serial No. 438,140.

LAMBAK

FOR MEN'S AND BOYS' TOPCOATS AND OVERCOATS, MADE OF WOOL AND ALPACA.
Claims use since Apr. 1, 1925.

387,460. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE GEORGE, doing business as George Bros. Mfg. Co., New York, N. Y. Filed Dec. 9, 1940. Serial No. 438,651.

NEW YORKER

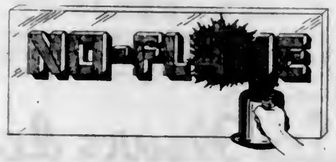
FOR COMPOUND FOR BLEACHING FELT HATS AND A COMPOUND FOR SIZING FELTS, AND THE LIKE.
Claims use since Apr. 16, 1935.

387,461. (CLASS 39. CLOTHING.) S & Z MANUFACTURING CO., Chicago, Ill. Filed Jan. 24, 1941. Serial No. 439,951.

SNIP-IT

FOR WOMEN'S SLIPS.
Claims use since Jan. 2, 1939.

387,462. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NO-FLAME CHEMICAL CORPORATION, Los Angeles, Calif. Filed Feb. 7, 1941. Serial No. 440,425.



FOR PREPARED CHEMICALS USED IN IMPREGNATING MATERIALS (SUCH AS FABRICS, CARPETS, DRAPERIES, RUGS, CLOTHING, MATTRESSES, CURTAINS, UPHOLSTERY, BOATS, PAPER, WOOD, ETC.) WITH THE PREPARED CHEMICAL, THEREBY (a) FLAME-PROOFING, (b) PRESERVING, AND (c) PREVENTING MOTHS AND TERMITES FROM ATTACKING THE TREATED MATERIAL.
Claims use since Jan. 15, 1940.

387,463. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RALPH BURHANS, doing business as Rahans Household Products, Brooklyn, N. Y. Filed Feb. 20, 1941. Serial No. 440,798.

WAX QUICK

FOR WAX PREPARATION FOR USE AS A DRESSING FOR FURNITURE, VENETIAN BLINDS, AND WOODWORK, AND HAVING PRESERVATIVE, CLEANING, AND POLISHING PROPERTIES.
Claims use since Dec. 15, 1939.

387,464. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JAMES HEDDON'S SONS, Dowagiac, Mich. Filed Mar. 5, 1941. Serial No. 441,244.

GO-DEEPER

FOR FISH LURES.
Claims use since Aug. 1, 1939.

387,465. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK X. CROCKENBERG, Honesdale, Pa. Filed Mar. 13, 1941. Serial No. 441,567.



FOR PHARMACEUTICAL PREPARATION—NAMELY, AN ANTACID, DIGESTANT, AND STOMACHIC.
Claims use since June 15, 1930.

387,466. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SALVATORE F. TESORO, doing business as Tesoro Brand Products Co., Chicago, Ill. Filed Mar. 24, 1941. Serial No. 441,885.

TESORO

FOR EFFERVESCENT CITRATE PREPARATION, AND PREPARATIONS DESIGNED TO ACT UPON THE STOMACH, LIVER, AND KIDNEYS.
Claims use since May 1, 1917.

TRADE-MARK REGISTRATIONS RENEWED

20,147. **REPRESENTATION OF A DOG'S HEAD.** COTTON SHEETINGS, SHIRTINGS, AND DRILLS. Registered September 15, 1891. THE HENRIETTA MILLS, Henrietta, N. C. Re-renewed September 15, 1941, to The Henrietta Mills, Caroleen, N. C.; Cherokee Falls, S. C., and New York, N. Y., a corporation of North Carolina.

140,840. **AIDOL.** MEDICATED SALVE. Registered March 29, 1921. GEORGE H. HYLAND, Los Angeles, Calif. Renewed March 29, 1941.

140,847. **OILTITE JENKINS BROS.** RUBBER PACKING. Registered March 29, 1921. JENKINS BROS., as assignee of Jenkins Rubber Co., Elizabeth, N. J. Renewed March 29, 1941, to Jenkins Bros., New York, N. Y., and Bridgeport, Conn., a corporation of New Jersey, assignee.

141,413. **HOTEL SPECIAL.** COFFEE. Registered April 19, 1921. MERRYWEATHER COFFEE, TEA & SPICE Co., Cincinnati, Ohio. Renewed April 19, 1941, to The James G. Gill Company, Inc., Norfolk, Va., a corporation of Virginia, assignee by mesne assignments.

141,905. **CASH-AND-CARRY SACK.** SACKS OR BAGS MADE OF PAPER. Registered May 3, 1921. CONTINENTAL PAPER BAG CO. Renewed May 3, 1941, to Southern Kraft Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

141,930. **TRIPLE A. A. A.** CERTAIN NAMED FOODS. Registered May 3, 1921. W. H. DYER COMPANY, Evansville, Ind. Renewed May 3, 1941, to The Loudon Packing Company, Terre Haute, Ind., a corporation of Delaware, successor.

142,334. **JOSEPH RIBES.** LEATHERS AND SKINS. Registered May 10, 1921. SOCIETE ANONYME DES ANCIENS ETABLISSEMENTS A. COMBE & FILS & CIE, Paris, France, a corporation of France. Renewed May 10, 1941.

142,347. **WESTERN.** CERTAIN NAMED BLASTING SUPPLIES, AMMUNITION, AND ACCESSORIES. Registered May 10, 1921. WESTERN CARTRIDGE COMPANY. Renewed May 10, 1941, to Western Cartridge Company, East Alton, Ill., a corporation of Delaware, assignee.

142,423. **SELECTOS.** CIGARETTES. Registered May 17, 1921. THE AMERICAN TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed May 17, 1941.

142,424. **PENN'S NATURAL LEAF.** SMOKING AND CHEWING TOBACCO. Registered May 17, 1921. THE AMERICAN TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed May 17, 1941.

142,425. **PENN'S RED J.** SMOKING AND CHEWING TOBACCO. Registered May 17, 1921. THE AMERICAN TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed May 17, 1941.

142,426. **TUXEDO.** SMOKING AND CHEWING TOBACCO. Registered May 17, 1921. THE AMERICAN TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed May 17, 1941.

142,427. **SEAL.** SMOKING AND CHEWING TOBACCO. Registered May 17, 1921. THE AMERICAN TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed May 17, 1941.

142,428. **LIBERTY.** SMOKING AND CHEWING TOBACCO. Registered May 17, 1921. THE AMERICAN TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed May 17, 1941.

142,467. **C XX.** SKINS OF ANIMALS USED IN THE FUR INDUSTRY. Registered May 17, 1921. C. & E. CHAPAL FRERES & CIE, INC., Brooklyn, N. Y. Renewed May 17, 1941, to Societe Anonyme des Anciens Etablissements C. & E. Chapal Freres & Cie, Montreuil-sous-Bois (Seine), France, a corporation of France, assignee.

142,530. **BUCKEYE.** SHIRTS, PANTS, AND OVERALLS. Registered May 17, 1921. FISHER BROTHERS, New Castle, Pa., a firm. Renewed May 17, 1941.

142,659. **LITTLE BROWN JUG.** SYRUP MADE FROM A COMPOUND OF GRANULATED SUGAR AND MAPLE-SUGAR FOR TABLE PURPOSES. Registered May 17, 1921. JOSEPH LORENZ KLEIN. Renewed May 17, 1941, to J. L. Klein Company, doing business as Little Brown Jug Products Company, St. Louis, Mo., a corporation of Missouri, successor.

142,729. **RICHMOND.** ENAMELED AND METALLIC BATHTUBS, LAVATORIES, AND SINKS. Registered May 17, 1921. RICHMOND RADIATOR COMPANY, New York, N. Y. Renewed May 17, 1941, to Richmond Radiator Company, Uniontown, Pa., a corporation of Delaware.

142,730. **RICHMOND.** CERTAIN NAMED NON-ELECTRICAL HEATING AND COOKING APPARATUS AND ACCESSORIES THEREFOR. Registered May 17, 1921. RICHMOND RADIATOR COMPANY, New York, N. Y. Renewed May 17, 1941, to Richmond Radiator Company, Uniontown, Pa., a corporation of Delaware.

142,732. **AVRO.** CERTAIN NAMED MOTOR-CARS AND ACCESSORIES. Registered May 17, 1921. A. V. ROE & Co. LIMITED, London, England. Renewed May 17, 1941, to A. V. Roe & Co. Limited, Manchester, England, a corporation of Great Britain.

143,278. **CYCOL.** LUBRICANTS CONSISTING OF OILS AND GREASES. Registered May 31, 1921. Associated Oil Company. Renewed May 31, 1941, to Tide Water Associated Oil Company, San Francisco, Calif., a corporation of Delaware, assignee.

143,533. **A-B.** A MALT-SUGAR SYRUP FOR FOOD PURPOSES. Registered June 7, 1921. ANHEUSER-BUSCH, INCORPORATED. Renewed June 7, 1941, to Anheuser-Busch, Inc., St. Louis, Mo., a corporation of Missouri, assignee.

143,534. **A-B.** MALT-SUGAR SYRUP FOR FOOD PURPOSES. Registered June 7, 1921. ANHEUSER-BUSCH, INCORPORATED. Renewed June 7, 1941, to Anheuser-Busch, Inc., St. Louis, Mo., a corporation of Missouri, assignee.

143,535. **AB—ALWAYS BEST.** ICE-CREAM. Registered June 7, 1921. ANHEUSER-BUSCH, INCORPORATED, St. Louis, Mo., and New Orleans, La. Renewed June 7, 1941, to Anheuser-Busch, Inc., St. Louis, Mo., a corporation of Missouri, assignee.

143,548. **BARRETAN.** SYNTHETIC TANNING EXTRACT. Registered June 7, 1921. THE BARRETT COMPANY, New York, N. Y., a corporation of New Jersey. Renewed June 7, 1941.

143,659. **PERMIT.** BREAD. Registered June 7, 1921. GEORGE O. KOLB, Hartford, Conn. Renewed June 7, 1941, to General Baking Company, New York, N. Y., a corporation of New York, assignee.

144,061. **SPEEDAUMATIC.** FOLDING-MACHINES, WRAPPING-MACHINES, ADDRESSING-MACHINES, MAILING-MACHINES, AND DEVICES ASSOCIATED THEREWITH. Registered June 21, 1921. THE SPEEDAUMATIC COMPANY, Chicago, Ill. Renewed June 21, 1941, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware, assignee by mesne assignments.

144,274. **SCOTSMOOR.** CERTAIN ARTICLES OF CLOTHING AND CERTAIN DESCRIBED LININGS FOR ARTICLES OF CLOTHING. Registered June 28, 1921. SCOTSMOOR COMPANY. Renewed June 28, 1941. to Scotsmoor Company, Inc., Johnstown, N. Y., a corporation of New York, assignee.

144,275. **SCOTSMOOR.** CERTAIN ARTICLES OF CLOTHING AND CERTAIN DESCRIBED LININGS FOR ARTICLES OF CLOTHING. Registered June 28, 1921. SCOTSMOOR COMPANY. Renewed June 28, 1941. to Scotsmoor Company, Inc., Johnstown, N. Y., a corporation of New York, assignee.

144,459. **RICHMOND.** ELECTRIC VACUUM-CLEANERS, STATIONARY AND PORTABLE. Registered July 5, 1921. RICHMOND RADIATOR COMPANY, New York, N. Y. Renewed July 5, 1941, to Richmond Radiator Company, Uniontown, Pa., a corporation of Delaware.

144,734. **NONCORODO.** METALLIC SHEETS FOR MAKING MOLDS OR MATRICES. Registered July 19, 1921. THE CONLEY FOIL COMPANY, New York, N. Y. Renewed July 19, 1941, to Reynolds Metals Company, Richmond, Va., a corporation of Delaware, successor.

145,314. **CASTOLAY.** SOAP. Registered August 2, 1921. THE ANDREW JERGENS COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed August 2, 1941.

145,589. **STERILAC.** CHEMICAL STERILIZER, DEODORIZER, AND CLEANSER. Registered August 16, 1921. THE ABBOTT LABORATORIES, Chicago, Ill. Renewed August 16, 1941, to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois.

145,613. **PARROT BRAND.** EUCALYPTUS-OIL. Registered August 16, 1921. J. BOSISTO & CO. PROPRIETARY LIMITED, Melbourne, Victoria, Australia, an incorporated company of Victoria, Australia. Renewed August 16, 1941.

146,016. **COAT OF ARMS.** COFFEE. Registered August 23, 1921. WAPLES-PLATTER GROCER COMPANY, Denison, Tex. Renewed August 23, 1941, to Waples Platter Company, Fort Worth, Tex., a corporation of Texas, by change of name.

146,164. **ONE-ELEVEN.** SMOKING AND CHEWING TOBACCO AND CIGARETTES. Registered September 6, 1921. THE AMERICAN TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed September 6, 1941.

146,299. **MW CO.** WORSTEDS AND WOOLENS, BOTH IN THE PIECE. Registered September 6, 1921. MONTROSE WORSTED COMPANY, Woonsocket, R. I., and New York, N. Y. Renewed September 6, 1941, to Guerin Mills Inc., Woonsocket, R. I., a corporation of Rhode Island, assignee.

146,568. **ACCURACY TETCO.** MAGNETO-GENERATORS, ELECTRIC SWITCHES, AND ELECTRIC CONTACT DEVICES. Registered September 13, 1921. The Electric Tachometer Corporation, Philadelphia, Pa., a corporation of Delaware. Renewed September 13, 1941.

146,595. **ARROWHEAD.** GRATINGS. Registered September 13, 1921. WILLIAM L. PATTISON, Kansas City, Mo. Renewed September 13, 1941.

146,681. **AUNT JEMIMA.** COOKING AND SALAD OILS. Registered September 20, 1921. AUNT JEMIMA MILLS COMPANY, St. Joseph, Mo. Renewed September 20, 1941, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey, assignee.

146,730. **SHURE-FOOT.** CHILDREN'S, MISSES', AND GROWING-GIRLS' LEATHER SHOES. Registered September 20, 1921. J. EDWARDS & CO., INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed September 20, 1941.

146,737. **FLORSHEIM.** BOOTS AND SHOES MADE OF LEATHER. Registered September 20, 1921. THE FLORSHEIM SHOE COMPANY. Renewed September 20, 1941, to The Florsheim Shoe Company, Chicago, Ill., a corporation of Illinois, assignee.

146,821. **FAMOUS.** LICORICE CONFECTIONS. Registered September 20, 1921. THE JOHN MUELLER LICORICE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed September 20, 1941.

146,824. **QUEEN.** HAIR-POMADE. Registered September 20, 1921. NEWBRO MANUFACTURING COMPANY, Atlanta, Ga., a corporation of Georgia. Renewed September 20, 1941.

146,836. **ORKID.** PRINTING, WRITING, COVER, AND BOND PAPER FOR WRAPPING, WRITING, AND PRINTING PURPOSES. Registered September 20, 1921. PENINSULAR PAPER COMPANY, Ysilanti, Mich., a corporation of Michigan. Renewed September 20, 1941.

146,842. **PARCIVAL.** SEWING-THREADS. Registered September 20, 1921. MAX POLLACK & CO., INC., New York, N. Y., a corporation of New York, Renewed September 20, 1941.

146,843. **M. P.—NONE BETTER.** SEWING-THREADS. Registered September 20, 1921. MAX POLLACK & CO., INC., New York, N. Y., a corporation of New York. Renewed September 20, 1941.

146,844. **M. P.—NONE BETTER.** SEWING-THREADS. Registered September 20, 1921. MAX POLLACK & CO., INC., New York, N. Y., a corporation of New York. Renewed September 20, 1941.

146,845. **METEOR.** SEWING-THREADS. Registered September 20, 1921. MAX POLLACK & CO., INC., New York, N. Y., a corporation of New York. Renewed September 20, 1941.

146,962. **PANIPLUS.** A PATENTED FOOD INGREDIENT ADAPTED TO BE MIXED WITH FLOUR TO MAKE BREAD. Registered September 27, 1921. CAMPBELL BAKING COMPANY, Kansas City, Mo., and Wilmington, Del. Renewed September 27, 1941, to The Paniplus Company, Kansas City, Mo., a corporation of Delaware, assignee.

REISSUES

MAY 13, 1941

21,796

TRANSPARENT LAMINATED PRODUCT AND PROCESS OF PREPARING SAME

Oscar A. Cherry, Chicago, Ill., and Charles A. Cabell, Washington, D. C., assignors to Economy Fuse & Manufacturing Company, Chicago, Ill., a corporation of New York

No Drawing. Original No. 2,207,116, dated July 9, 1940, Serial No. 42,885, September 30, 1935. Application for reissue October 15, 1940, Serial No. 361,328

4 Claims. (Cl. 154—2)

1. The method of producing a transparent tube, which comprises placing an elongated, thin, transparent sheet of cellulose material capable of softening and swelling in water in contact with water until the same has become softened and swollen, thereupon applying said sheet while in a soft and swollen condition to a mandrel in superimposed laminations tightly applied one upon the other to form a tube of such limited thickness as to preserve the transparency of the tube, and then drying the tube so formed and thereafter applying additional layers of water-softened and swollen transparent cellulose material by tightly winding a sheet of the same on said previously formed and dried tube and again limiting the thickness thereof to preserve the transparency of the tube, and drying the additional laminations so applied.

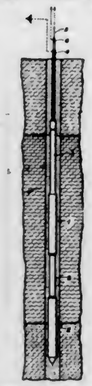
21,797

METHOD AND APPARATUS FOR ALTERNATING-CURRENT INVESTIGATION OF UNCASED DRILL HOLES

John Jay Jakosky, Los Angeles, Calif., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware

Original No. 2,038,046, dated April 21, 1936, Serial No. 706,391, January 12, 1934. Application for reissue April 12, 1938, Serial No. 201,649

21 Claims. (Cl. 175—182)



18. A method for determining variations in earth formations penetrated by a drill hole, which comprises lowering a system of electrodes and a source of alternating current in a drill hole, moving said electrodes and source to different depths within said drill hole, supplying alternating current from said source to said electrodes at different depths, and measuring the electrical impedance of an elementary portion of the penetrated earth formation included in the path of the current flowing between said electrodes at each of said depths, produced by the flow of the alternating current therethrough.

21,798

HYDRAULIC MOTOR

Douglas Johnston, Shelbyville, Ill.

Original No. 2,128,048, dated August 23, 1938, Serial No. 141,441, May 8, 1937. Application for reissue January 22, 1940, Serial No. 315,093

19 Claims. (Cl. 121—158)



1. A double-acting hydraulic motor comprising a stationary piston, a reciprocable cylinder cooperating therewith and providing working chambers on opposite sides of said piston having different pressure areas, means for supplying pressure liquid to said cylinder, a sleeve slidably mounted and reciprocable on said piston and automatically reciprocated to cause the effective force of said pressure liquid to be exerted against the upper and lower ends of said cylinder in alternation, said piston and sleeve being provided with cooperating ports, and a valve automatically operated to control the reciprocation of said sleeve.

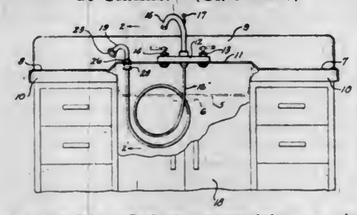
21,799

SPRAY HEAD

Julius S. Judell, Shorewood, and Milbert W. Held, Whitefish Bay, Wis., assignors to Milwaukee Flush Valve Company, Milwaukee, Wis., a corporation of Wisconsin

Original No. 2,200,503, dated May 14, 1940, Serial No. 230,596, September 19, 1938. Application for reissue December 16, 1940, Serial No. 371,160

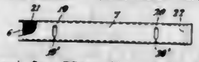
10 Claims. (Cl. 4—187)



1. A plumbing fixture comprising, a pipe hav-

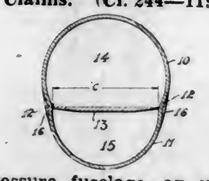
ing a hose attachment at one end and a spray nozzle at the opposite end, a rigid protective covering molded about said pipe and nozzle to form a gripping handle thereover, and a sleeve embracing the hose attachment end of the covering.

21,800
VENETIAN BLIND
Lewis I. Kahn, Brooklyn, N. Y.
Original No. 2,123,010, dated July 5, 1938, Serial No. 136,221, April 10, 1937. Application for reissue July 29, 1939, Serial No. 288,158
2 Claims. (Cl. 156—17)



1. An element for Venetian blinds consisting of a relatively solid base covered with a one-piece pliable material, an adhesive coating applied to the inner face of the material, said material completely enveloping and snugly and intimately adhering to the full contour of the base, and wherein said base, although being solid, lacks in structural firmness, and wherein said pliable material and the adhesive coating, when dry, constitute a substantial reinforcement for the base when the element is in its finished state.

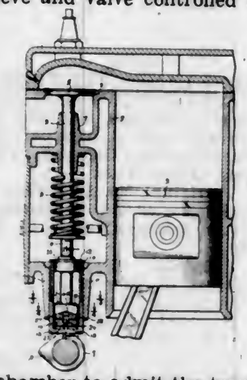
21,801
PRESSURE FUSELAGE
George A. Page, Jr., Creve Coeur, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Original No. 2,162,227, dated June 13, 1939, Serial No. 184,741, January 13, 1938. Application for reissue March 7, 1941, Serial No. 382,231
6 Claims. (Cl. 244—119)



1. In a pressure fuselage, an upper arcuate member embracing an arc greater than 180°, a lower member struck on a smaller radius and of an arcuate extent to make the chord thereof substantially equal to the chord of the upper member, said members being joined at their edges to effect a superpositioning of their respecting chords, and tie elements joining the respective edges of said members comprising tension elements reinforced against bending to provide a floor for a cabin defined between the floor and said upper arcuate member.

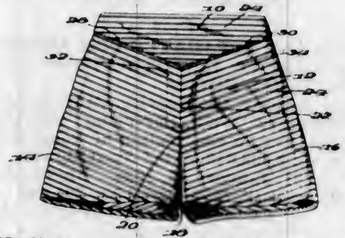
21,802
VALVE OPERATING MECHANISM
Robert C. Russell, Cleveland, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Original No. 2,158,730, dated May 16, 1939, Serial No. 629,474, August 19, 1932. Application for reissue November 29, 1940, Serial No. 367,864
51 Claims. (Cl. 123—90)

1. Valve operating mechanism, comprising in combination, a spring loaded valve operable in relation to its seat, a cam having a lobe and heel, a lifter sleeve having a cam follower portion and interposed between the valve and cam, self adjusting wedge means including a pair of spaced wedges and an overlapping wedge coacting with said pair, a retainer guide mounted in the sleeve and in which the self adjusting wedge means are operatively seated, an oil chamber enclosed between the wedge means and retainer guide, a compensating spring interposed between the wedge pair and urging same apart, an oil supply in the sleeve and valve controlled inlet leading



to the oil chamber to admit the trap oil between the wedge pair to hold them in outwardly adjusted position, whereby the overlapping coacting wedges sustain the pressure and carry most of the load imposed by the cam and spring loaded valve during the open period thereof.

21,803
NEGLIGEE PANTS
Trent B. Terry, Charlottesville, Va.
Original No. 2,176,826, dated October 17, 1939, Serial No. 282,274, June 30, 1939. Application for reissue August 3, 1940, Serial No. 351,075
7 Claims. (Cl. 2—224)

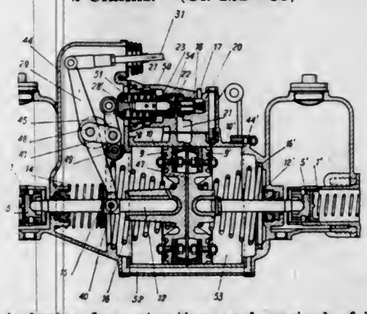


7. Negligee pants formed of at least one piece of woven material having parallel design lines thereon on the straight of the material, said material forming blank means, the top edge of which blank means having a central concave portion and a lateral portion at each side thereof, the lateral portions extending along the straight of the material, the side edges of said blank means being formed with cut-outs, the portions of the side edges above said cut-outs being faced, the faced portions of the side edges forming the fly portion of said pants, one edge overlapping the other, the exposed edge of the overlapping side extending along the median line of said pants, whereby the ends of said design lines converge at the front median line of said pants, means connecting the side edges of the blank means below the cut-outs and central portions of the bottom edge of the blank means to form seat, crotch, and leg regions of the garment, and a substantially triangular insert having a downwardly disposed apex, the lower edges of which insert are secured to the lateral portions of the top of said blank means parallel with the design lines of the material adjacent said lateral portions to provide the front waist portion of said pants.

PATENTS

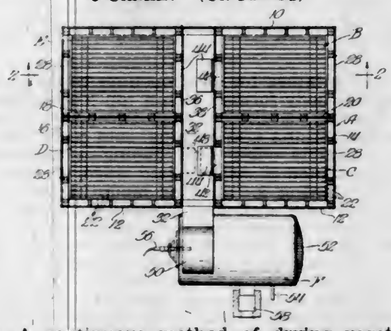
GRANTED MAY 13, 1941

2,241,374
CONTROL AND ACTUATION DEVICE FOR LIQUID PRESSURE BRAKES FOR VEHICLE WHEELS
Giuseppe Alfieri, Milan, Italy, assignor to Fabbrica Italiana Magneti Marelli Società Anonima, Milan, Italy, a corporation of Italy
Application January 15, 1940, Serial No. 314,010
In Italy January 27, 1939
2 Claims. (Cl. 121—38)



1. A device for actuation and control of liquid pressure brakes for vehicles comprising a gas pressure operated cylinder, two opposite pistons reciprocating in said cylinder, master cylinders and pistons therein each operated by one of said pistons of said gas pressure operated cylinder for supplying a pressure liquid to brake cylinders, a casing confining one end of said gas pressure cylinder and having an outlet, a control device for supplying and exhausting a pressure gas into and from the space of said gas pressure operated cylinder intermediate said pistons therein said control device exhausting in said casing, means confining a chamber at the end of said cylinder opposite to said casing closed end thereof and means for supplying into said chamber a portion of the pressure gas exhausted by said control device.

2,241,375
METHOD FOR DRYING
Bowen Campbell, Des Moines, Iowa
Application September 19, 1938, Serial No. 230,646
6 Claims. (Cl. 34—34)

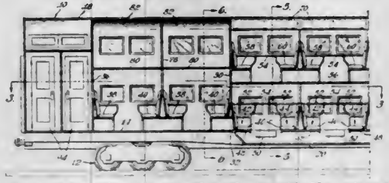


1. A continuous method of drying vegetable material by use of a volume of dry heated air comprising segregating the material into three lots of substantially equal quantities, passing the dry heated air initially through two of said lots of partially dried material at a relatively slow velocity so that the hottest air extracts the internal moisture and then passing the partially moistened air through the remaining third lot at relatively higher velocity so that the partially cooled and moistened air may extract the surface moisture from the third lot.

2,241,376
MODELING COMPOUND
Dorothy Chase Carter, Brighton, Mass.
No Drawing. Application December 5, 1939, Serial No. 307,715
1 Claim. (Cl. 106—39)

A putty-like, inadhesive material for use as a modeling compound consisting of the following ingredients substantially in the proportions stated, namely, salt (NaCl) one cup full; corn starch, one-third cup full and water, one-half cup full.

2,241,377
RAILWAY CAR
Jerome H. Clemens, Chicago, Ill.
Application October 16, 1939, Serial No. 299,719
3 Claims. (Cl. 105—315)

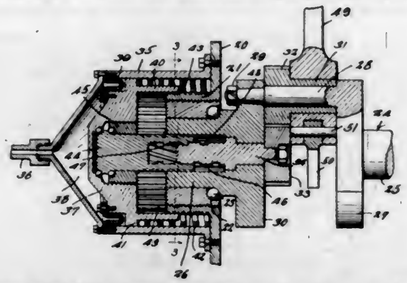


1. In a sleeping car of substantially standard dimensions having a floor and trucks located underneath the floor, said floor having dropped areas along the sides of the car and between said trucks with the floor between the dropped areas comprising an aisle floor, overhead floors extending along the sides of the car above said dropped areas and spaced one from the other a distance substantially equal to the width of said aisle floor, lower seats located along said dropped areas, upper seats mounted on said overhead floors, said upper seats being arranged in vertical alignment with said lower seats, said overhead floors being located at such heights with respect to said dropped areas and the top of the car as to provide ample head room for passengers occupying the lower seats and the upper seats respectively, and a storage enclosure extending longitudinally of the car vertically above the space between said overhead floors.

2,241,378
COMPRESSION REGULATOR
Carroll L. Evans, Tipton, Calif.
Application February 9, 1940, Serial No. 318,192
2 Claims. (Cl. 123—48)

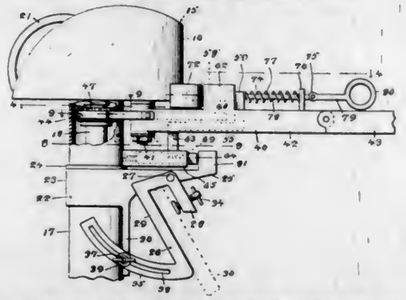
1. In a compression regulator for internal combustion engines, a shaft having a crank, an eccentric journaled on the crank, a piston rod pivotally mounted on the eccentric, an auxiliary shaft journaled in the crank shaft, a gear con-

nection between the eccentric and the auxiliary shaft, and mechanism under the control of an operator for rotating the auxiliary shaft, to shift the position of the piston rod and regulate compression, said mechanism embodying a cylinder, a



piston slidable in the cylinder and subject to fluid pressure, and a third shaft mounted to rotate in the piston and held against longitudinal movement therein, the third shaft having threaded connection with the auxiliary shaft.

2,241,379
STARTER FOR OUTBOARD MOTORS
Londo J. Franci, Point Arena, Calif.
Application April 8, 1940, Serial No. 328,585
7 Claims. (Cl. 115—18)



1. In an outboard motor having the drive shaft housing pivotally mounted in an attaching bracket, a starting and steering apparatus comprising a tiller carried by the motor housing and adapted to be rocked about a vertical axis, means detachably locking the tiller against independent pivotal movement, means cooperative with the first-mentioned means to automatically lock the motor housing against pivotal movement relative to the attaching bracket upon disengagement of the said first-mentioned means from the housing, a pinion carried by the drive shaft of the motor, and gear means carried by the tiller, said gear means being engageable with the pinion and adapted to impart rotation thereto upon disengagement of the first-mentioned means to permit independent pivotal movement of the tiller about its vertical axis.

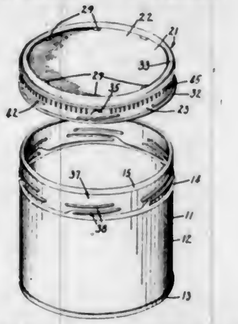
2,241,380
STENCIL PRINTING
John H. Gfeller, Baltimore, Md., assignor of one-half to F. A. Davis & Sons, Baltimore, Md., a partnership composed of E. A. Davis, F. A. Davis, A. C. Davis, and H. C. Davis
Application June 23, 1938, Serial No. 215,383
6 Claims. (Cl. 41—3.5)

1. The method of forming a stencil for screen printing which consists in providing a film sheet consisting of transparent backing sheet and a transparent perforated, shaded film adhesively and removably affixed thereto, the film covering one side of the backing, placing the backing sheet on a master design to be reproduced, the film being uppermost, removing portions of the film in accordance with the design, thus exposing portions of the backing, preparing other portions of film sheets having a suitable backing to fit said exposed portions of the backing in accordance



with said design and superimposing said latter sheets on corresponding exposed portions of the first said backing, the backing of said superimposed film sheet being in contact with and affixed to said exposed portions of the first backing, in furtherance of the completion of the design, removing portions of the film in the form of figures of said design, causing the outer surfaces of the film thus assembled as a whole to adhere to a foraminated screen, and removing the backing.

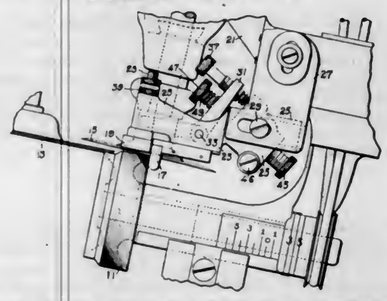
2,241,381
CONTAINER
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 8, 1938, Serial No. 244,694
3 Claims. (Cl. 220—39)



1. A container for easy opening comprising a container body formed with a top ledge defining an opening, a sheet metal two-piece unitary cover for closing said opening, said cover including a flexible cover disk having a peripheral flange adapted to seat on said ledge, a clamping member having an annular mounting with the flange of said disk and providing relative rotation between said disk and said member to pull down on said disk, sealing material on said flange for engaging said ledge, cooperating screw threads formed in said body and in said clamping member for positively moving said clamping member upwardly and downwardly, and said clamping member having thereon an inwardly extending portion disposed at a localized part only thereof, said portion lying beneath and

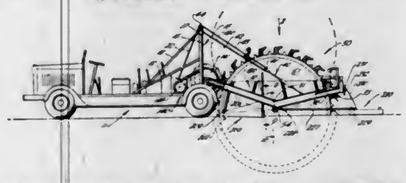
spaced from said flange and adapted to engage said flange and lift the latter and the cover disk at a localized point out of sealing engagement with said ledge when the clamping member is rotated to release the same from the container body.

2,241,382
SKIVING MACHINE
Howard E. Armstrong, Johnson City, N. Y., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 29, 1940, Serial No. 337,858
4 Claims. (Cl. 69—16)



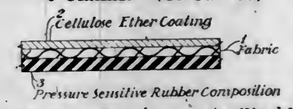
1. A skiving machine having in combination a knife, a feed roll for advancing the work to the knife, a presser for holding the work against the roll, yielding means acting at all times to urge the presser toward the roll, a supplemental yielding means, and adjusting means for predetermining the point in the movement of the presser away from the roll at which the supplemental yielding means becomes effective.

2,241,383
TREE ROOT CUTTING MACHINE
Pernel Barnett, Orange, Calif.
Application December 22, 1938, Serial No. 247,227
12 Claims. (Cl. 37—94)



1. A tree root cutting machine comprising in combination a truck chassis having means for moving over the ground and provided with a power plant combined with an elevating lowering and lifting frame with an operating connection to such power plant, a disk of a saw rotatably mounted in such frame on a transverse axis, the disk having soil and root cutting teeth with a forward surface to cut a narrow trench or slot in the ground and elevate the soil and at the same time sever roots, the back of each tooth having a curved surface forming a driving face and a drive wheel with a drive connection to the power plant of the truck, the drive wheel having means to engage the driving faces of each tooth in succession and to rotate the saw disk with its cutting teeth, the saw disk having reversing teeth located one between each of the main cutting and driving teeth, the reversing teeth having a reverse driving face constructed and adapted to be engaged by the driving means of the drive wheel when such drive wheel is operated in a reverse direction to give a reverse movement to the saw disk.

2,241,384
STERILIZABLE ADHESIVE TAPE
Alva W. Bateman and Raymond E. Thomas, Newburgh, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 1, 1939, Serial No. 287,708
6 Claims. (Cl. 91—68)

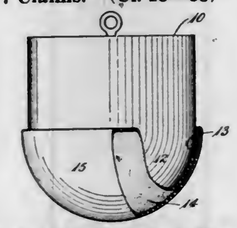


5. Process of preparing a sterilizable surgical adhesive tape which comprises coating one side of a fabric with a composition having approximately the following composition:

	Per cent by weight
Ethyl cellulose	5.4
Titanium dioxide (barium base)	35.2
Plasticizer	8.8
Toluol	23.8
99% ethyl acetate	22.3
95% ethyl alcohol	4.5

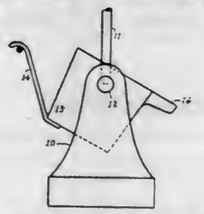
removing the volatile solvents by passing through a heated chamber, passing the dry material between heated embossing rolls, and applying a pressure-sensitive rubber adhesive mass on the uncoated side, said adhesive tape being adapted for sterilization by subjecting it to an atmosphere of steam at a temperature of 240° F. for a period of 30 minutes.

2,241,385
METHOD OF MAKING RUBBER ARTICLES
Carl L. Beal, Cuyahoga Falls, Ohio, assignor to American Anode Inc., Akron, Ohio, a corporation of Delaware
Application September 29, 1936, Serial No. 103,115
7 Claims. (Cl. 18—58)



1. The method of making a hollow rubber article comprising symmetrical halves, which comprises providing a form having a deposition surface shaped to produce a symmetrical half of the article, producing upon the form, by deposition directly from a liquid dispersion of rubber, a deposit of rubber constituting substantially a symmetrical half of the article, treating substantially all the exposed surface of the deposit, except for a relatively narrow zone adjacent the edge thereof, in such manner as substantially to destroy the ability of the rubber cohesively to unite with a subsequently superposed deposit of rubber, producing over the first deposit, by deposition directly from a liquid dispersion of rubber, a second deposit of rubber constituting a second substantially symmetrical half of the article in cohesive union with the first deposit along the said narrow zone but not elsewhere, and then distending the article.

2,241,386
APPARATUS FOR CASTING REFRACTORIES
Raymond C. Benner and John C. McMullen, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Original application November 9, 1937, Serial No. 173,656. Divided and this application March 28, 1938, Serial No. 198,479
7 Claims. (Cl. 49—65)



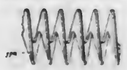
1. In a mold for casting very large refractory shapes, a mold bottom comprising a plurality of unattached pieces, one of said pieces being relatively thinner than the others and being supported in place by a block of burnable material which ignites at a temperature substantially lower than that required to fuse the refractory material, whereby the thin bottom piece may be removed from the mold after the burnable material has burned.

2,241,387
SPRING AND METHOD OF MAKING THE SAME
Alfred J. Berg, Portsmouth, N. H., and John O. Huse, United States Navy
Original application December 8, 1937, Serial No. 178,698. Divided and this application December 15, 1939, Serial No. 309,419
5 Claims. (Cl. 267—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A cut spring comprising an integral metallic member, the entire lateral surfaces of said member being formed by a cutting operation and cold worked by the cutting.

2,241,388
SPRING AND METHOD OF MAKING THE SAME
Alfred J. Berg, Portsmouth, N. H., and John O. Huse, United States Navy
Original application December 8, 1937, Serial No. 178,698. Divided and this application December 15, 1939, Serial No. 309,420
2 Claims. (Cl. 267—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



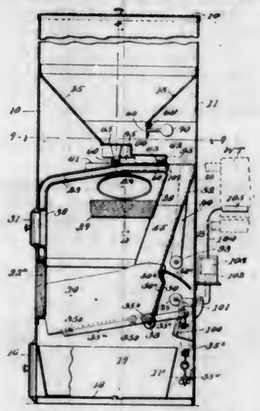
1. A cut spring comprising an integral metallic member having a flange extending along an edge thereof, the entire lateral surfaces of said member being formed by a cutting operation and cold worked by the cutting.

2,241,389
UMBRELLA
Gustave S. Berman, New York, N. Y.
Application January 19, 1939, Serial No. 251,671
2 Claims. (Cl. 135—20)



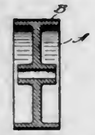
1. The combination with an umbrella having a rod, a flexible plaited shield slidably mounted thereon and means at one end of said rod for providing an abutting support for said shield, of means for holding said shield in an open position, said means comprising a centrally apertured disk and a grommet mounted therein for frictional attachment to said rod.

2,241,390
FURNACE WITH AUTOMATIC FUEL CONTROLLING AND SUPPLYING MEANS
William P. Biddle, Jr., Knoxville, Tenn., assignor to Knox Stove Works, Knoxville, Tenn., a corporation of Tennessee
Application March 23, 1937, Serial No. 132,578
12 Claims. (Cl. 110—109)



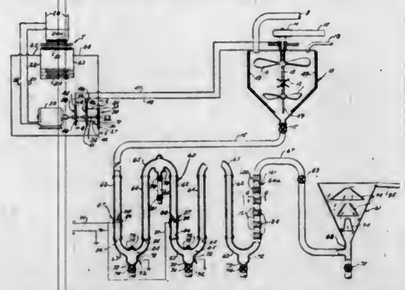
1. An automatic feeding furnace comprising a furnace structure including a fuel supporting bottom portion, a hopper for fuel and having a discharge opening disposed remotely from the fuel supporting bottom to prevent coking of fuel in said hopper as a result of heat from fuel burning on said bottom, means for guiding fuel discharged from said opening onto said supporting bottom, a cyclically movable feeder device for taking fuel from said discharge opening and preparing and delivering a predetermined amount of fuel to said guiding means at each cycle of movement of the feeder device, pusher means for advancing the fuel along the fire bed on the bottom portion, actuating devices for said pusher means rendered alternately active and inactive directly responsive to the quantity of fuel mass on the bottom portion, and power means for synchronously actuating the feeder device and the pusher means so that the fuel is delivered by gravity through said guiding means into the space immediately in advance of the pusher means.

2,241,391
COATED PULLEY
Allan E. Bollinger, York, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application November 25, 1938, Serial No. 242,358
9 Claims. (Cl. 74—230.7)



1. A tractive member whose driving surface is coated with a thin, coherent and adherent coating of the dried residue of a rubber cement, said coating having a substantially non-tacky exposed surface and maintaining its adhesion to the underlying surface of said tractive member and resisting tendency to tear loose therefrom under high centrifugal force.

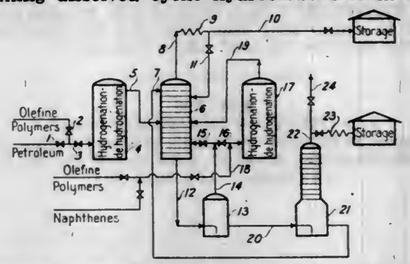
2,241,392
ELECTRICAL AMALGAMATING APPARATUS
Harry D. Brown, Hollywood, Calif., assignor to Brown Mineral Separator Company, Los Angeles, Calif., a corporation of California
Application December 13, 1938, Serial No. 245,402
6 Claims. (Cl. 209—181)



1. An amalgamator comprising an insulation down-flow tube, a U-tube having one leg connected to the lower end of said down-flow tube, an up-flow tube connected at its lower end to the other leg of said U-tube, a pool of mercury in said U-tube, an electrode extending inside said insulation down-flow tube, a source of direct current, and means connecting opposite poles of said source across said electrode and said mercury pool.

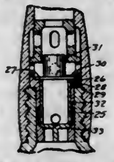
2,241,393
PROCESS OF TREATING HYDROCARBONS
Philip S. Danner, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application March 14, 1938, Serial No. 195,860
8 Claims. (Cl. 260—668)

1. A process which comprises forming a mixture of olefins and naphthenes, passing said mixture at an elevated temperature over a catalyst in a hydrogenation-dehydrogenation zone whereby naphthenes are dehydrogenated to aromatics and olefines are hydrogenated to paraffins, quenching the vapors leaving said zone by direct contacting with a high boiling organic selective solvent for cyclic hydrocarbons in liquid phase to simultaneously stop undesired side reactions and effect a separation of paraffin from cyclic hydrocarbons, separating said solvent containing dissolved cyclic hydrocarbons from un-



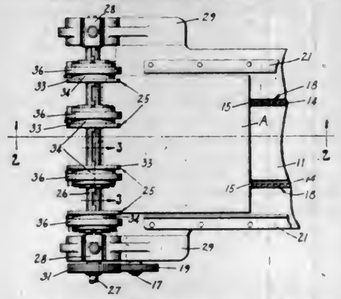
dissolved paraffinic vapors, and recovering naphthenes and aromatics from said solvent.

2,241,394
NONREFILLABLE BOTTLE
Michael J. Duffy, Brooklyn, N. Y.
Application August 3, 1938, Serial No. 222,751
8 Claims. (Cl. 215—19)



1. A nonrefillable bottle of the type having a valve member in the neck with a seat therefor in an internal sleeve in the bottle neck, characterized by a plate forming a shutter hinged to said sleeve at one side and positioned to engage the said valve member to move said member to and hold it in the closed position, and means resiliently urging said shutter toward said valve member.

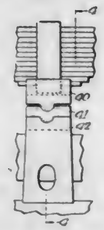
2,241,395
SLITTING MACHINE
George H. Egling, San Jose, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 6, 1938, Serial No. 244,285
8 Claims. (Cl. 164—61)



1. In a machine for slitting or cutting sheet material, the combination of a rotatable cutter shaft, a rotary cutter having a hub mounted on said shaft, a sheet feeding rubber on said cutter hub, said rubber comprising an annular base ring having beveled edges and an annular rubber ring molded on and vulcanized to said base ring, an annular seat on said hub to receive said base ring, an under-cut bevel in the edge of said seat to receive one edge of said base ring,

and a clamping annulus adapted to be secured to said hub and having an under-cut beveled edge for engagement with a beveled edge on said base ring to clamp said base ring and its connected rubber in place on said cutter hub seat.

2,241,396
LOCOMOTIVE FRAME SUPPORT
Charles Fahlstrom and Hollis Walker, Moline, Ill.
Application November 17, 1938, Serial No. 240,888
23 Claims. (Cl. 105—82)



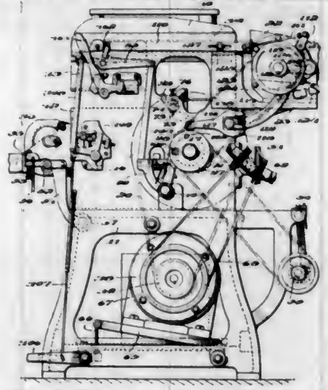
1. In combination with a spring support constructed for pivotal movement where it is supported, rigging means adapted for pivotal engagement therewith, and means for altering the height of the pivotal engagement comprising interchangeable members of different thicknesses interlocking with the foregoing elements for supporting the elements against relative horizontal movement.

2,241,397
HIGH VISCOSITY CELLULOSE ETHERS
Charles R. Fordyce and Joseph Gail Stampfli, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y, a corporation of New Jersey
No Drawing. Application February 13, 1937, Serial No. 125,644
12 Claims. (Cl. 260—231)

1. A process for preparing high viscosity cellulose ethers which comprises soaking cellulose having a cuprammonium viscosity of 20–5000 cps. in a concentrated aqueous solution of caustic alkali, removing aqueous alkali therefrom by pressure and without exposing the mass to the air for a sufficient time to detrimentally act on the cellulose, treating it with an etherifying bath comprising a lower alkyl halide in the presence of 1.5–5 parts of caustic alkali for every part of cellulose present, sufficient alkali being present to maintain an alkaline condition throughout the etherification, the etherifying bath substantially completely dissolving the cellulose ether formed, the treatment being within a time (at least 3½ hours) and at a temperature which will not reduce the toluene-ethyl alcohol viscosity of the ether below 5000 centipoises.

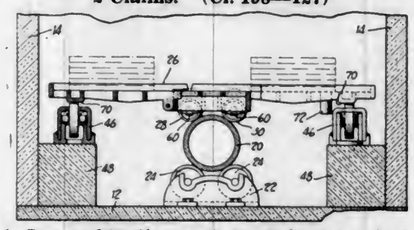
2,241,398
ORNAMENTING MACHINE
Benjamin W. Freeman, Cincinnati, Ohio
Application April 5, 1938, Serial No. 200,217
55 Claims. (Cl. 101—316)

1. In an ornamenting machine of the class described, a die, reaction means opposed thereto, means to produce a relative movement between said die and said reaction means whereby to effect an ornamenting operation upon a work piece interposed therebetween, means to feed a web of backing material between said die and reaction means adjacent a plane of the work piece, and means to actuate said feed means inde-



pendently of the operation of said means for producing relative movement.

2,241,399
CONVEYING MEANS
Henry H. Harris, Champaign, Ill.
Application August 10, 1938, Serial No. 224,020
2 Claims. (Cl. 198—127)



1. In combination, a tray and means to support and convey same through a heat treating furnace, the supporting means comprising a pair of aligned and spaced apart trackway members disposed on opposite sides of and extending the length of the furnace and a central smooth-surfaced cylindrical roll also disposed within the furnace and extending the length thereof substantially midway between the trackways, the tray comprising a plurality of sections hinged together and having rotary members on the underside thereof bearing against the upper portion of the roll, the axes of said rotary members being biased with respect to the axis of the roll, whereby rotary movement of the roll moves the tray through the furnace lengthwise of the roll.

2,241,400
PROCESS OF PRODUCING WOOD PRESERVATIVE
Jacquelin E. Harvey, Jr., Cogdell, Ga., assignor of one-half to Southern Wood Preserving Company, Atlanta, Ga., a corporation of Georgia
No Drawing. Application December 18, 1939, Serial No. 309,897
10 Claims. (Cl. 134—78.6)

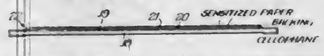
1. In the enhancement of toxicity induction in a mixture of tar fractions boiling preponderantly above 270° C., the process which comprises: subjecting said mixture of tar fractions to the action of a supply of hydrogen in excess of that combinable by the process, at a temperature in excess of 200° C. and a pressure in excess of atmospheric; carrying on the process for such a length of time as to provide fractional increment having increased toxic properties and boiling below 270° C. in excess of fractional increment having increased toxic properties and boiling above 270° C.

2,241,401
BORE CENTER INDICATOR
Robert K. Haskell, United States Army, Berkeley, Calif.
Application April 4, 1939, Serial No. 265,996
6 Claims. (Cl. 33—174)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



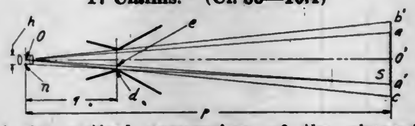
1. An electric head comprising a pair of opposed end members joined by a tubular member to provide an elongated carrier, said end members being provided with axially aligned openings to provide support therefor upon a bar inserted therethrough, a pair of coils connected in series and disposed within the carrier in opposed relation with their axes normal to the axis of the carrier and equally spaced therefrom, means comprising cores for the coils affixing the coils in operative position within the carrier and conductors connected with the coils adapted to connect the coils in a desired remote circuit.

2,241,402
ART OF COLOR PHOTOGRAPHY
Edwin Bower Hesser, West Hollywood, Calif., assignor to Naturalcolor Corporation, West Hollywood, Calif., a corporation of Illinois
Application December 22, 1938, Serial No. 247,291
18 Claims. (Cl. 95—2)



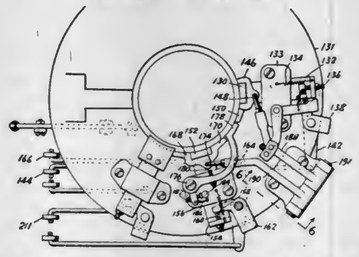
1. In the art of color photography, the method of producing a composite color photograph which comprises mounting a plurality of sheets of thin transparent regenerated cellulose material in superposed relationship on a substantially smooth plane-surfaced rigid support with marginal portions of said transparent material overlapping margins of said support and being adhesively secured to each other and to the reverse side of said support, mounting on the outer sheet of said transparent material a sheet of uniform non-transparent light reflective material in adhesive engagement with said outermost transparent sheet, separately preparing a series of single mounted transparent regenerated cellulose sheets by mounting a series of thin water previous wetted and expanded regenerated cellulose sheets on separate plane-surface supports with marginal portions of each of said sheets adhesively secured to the reverse side of each of said supports, sensitizing and coloring each of said single mounted sheets by applying to the surface of each a combined solution of a dye and a sensitizing material, each dye being of a different color value corresponding to an appropriate color separation negative, drying the resultant sensitized blanks, printing on each of said blanks from an appropriate color separation negative, subjecting each blank to a combined developing and fixing operation in a mild acid bath and contemporaneously removing each colored part-image bearing regenerated cellulosic sheet from its respective support, mounting said image bearing sheets in register while still wet in superposed relationship on said light reflective material, drying the composite picture thoroughly, and removing the support from the resultant composite picture.

2,241,403
OPTICAL ECONOMIZER
Arthur J. Holman, East Orange, N. J.
Application August 3, 1938, Serial No. 222,797
17 Claims. (Cl. 88—16.4)



1. An optical economizer of the character specified comprising two pairs of mirrors, the first pair being positioned symmetrically adjacent the optical axis and adapted and arranged to deflect the upper and lower frame images in such manner that they will cross from a position above to a position below said optical axis or vice versa, the second pair of mirrors also being placed symmetrically adjacent the optical axis, edge to edge with said first pair of mirrors and at such angle thereto as to cause said upper and lower frame images to register on the screen.

2,241,404
KNITTING MACHINE
Harold E. Houseman, Laconia, N. H., assignor to Scott and Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Original application March 28, 1939, Serial No. 264,533. Divided and this application August 3, 1939, Serial No. 288,083
7 Claims. (Cl. 66—43)

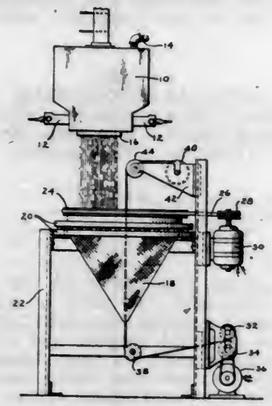


1. In a knitting machine, a needle cylinder carrying a circular series of needles, a stitch cam for lowering needles as they travel in one direction to cause them to draw loops of yarn, a second stitch cam for lowering the needles as they travel in the opposite direction to cause them to draw loops of yarn, means for relatively adjusting said stitch cams to balance the loops drawn under their action, and pattern means for automatically moving said stitch cams in unison to vary the size of the balanced loops drawn.

2,241,405
APPARATUS FOR GATHERING FIBERS
James F. Hyde, Corning, N. Y., and Stuart M. Dockerty, Newark, Ohio, assignors to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application January 13, 1939, Serial No. 250,836
8 Claims. (Cl. 57—5)

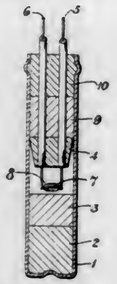
1. In combination, means for forming an un-

confined moving column of fibers and gas, a hollow perforate collector positioned in the path of said column to receive said column within its



body and remove the fibers therefrom, means for rotating said collector and means for continuously withdrawing said fibers from said collector along its axis of revolution.

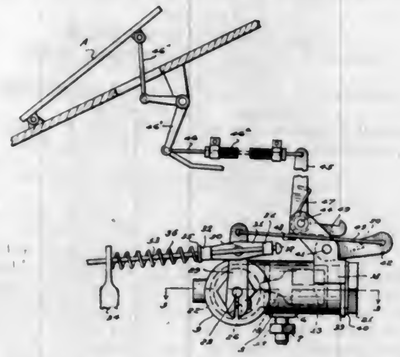
2,241,406
FUSE HEAD AND COMPOSITION FOR USE THEREFOR
Louis Kenneth Ingram, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application April 16, 1940, Serial No. 329,868
In Great Britain May 8, 1939
14 Claims. (Cl. 52—2)



1. A fuse head bead comprising an aromatic compound containing a nuclear bound iodine atom attached to at least one terminal oxygen atom having an explosion point not exceeding 300° C.

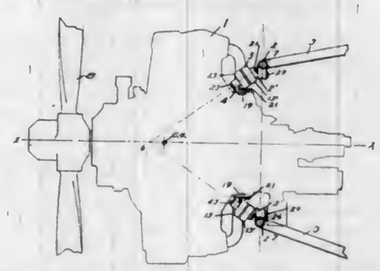
2,241,407
CONTROL MECHANISM FOR HYDRAULIC AND/OR AIR BRAKES
John A. Liberatoscioli, Pittsburgh, Pa.
Application August 30, 1939, Serial No. 292,703
2 Claims. (Cl. 192—.01)

1. An attachment for the braking system of a motor vehicle comprising valve means located between the master cylinder of the braking system and the wheel brakes, spring means for normally holding the valve means in closed position to prevent return of the fluid from the wheel brakes to the master cylinder, cam means for controlling the valve means, means actuated by a depression of the clutch pedal of the vehicle to move the cam means to a position where the spring means will close the valve means, spring means for normally holding the cam means in a position to hold the valve means in open position, latch means for holding the parts with the



cam means in valve closing position after the cam means have been moved by depression of the clutch pedal, an accelerator pedal, and means for releasing the latch means by depression of the accelerator pedal to permit the second-named spring means to return the cam means to a position holding the valve in open position.

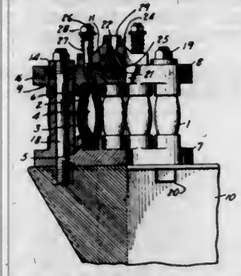
2,241,408
MOUNTING
Hugh C. Lord, Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application March 6, 1940, Serial No. 322,470
19 Claims. (Cl. 248—5)



18. In a mounting assembly having a vibratory body; a mounting means attached thereto for supporting the body comprising converging links and yielding means tending to hold the body at a neutral position, said links being provided with spherical surfaced end joints.

2,241,409
SHOCK ABSORBER
Richard C. Mason, Tulsa, Okla., assignor of three-sixteenths to Clarence Egan, Washington, Pa.
Application June 13, 1938, Serial No. 213,475
2 Claims. (Cl. 255—16)

1. In combination with a walking beam and pitman stirrup, a shock absorber including a base plate, means connecting the base plate with one end of the walking beam, a head plate adapted to pivotally seat the pitman stirrup, resilient means interposed between said plates, and yielding



means applying relative retaining pressure to the pitman stirrup and to the head plate.

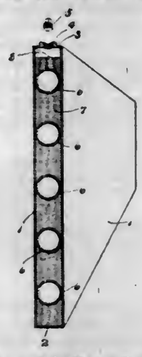
2,241,410
SCENERY PAPER
Conrad B. Maurer, Philadelphia, Pa., assignor to Maurer Paint Company, Philadelphia, Pa., a copartnership consisting of Conrad B. Maurer and Howard P. Maurer
Application May 2, 1940, Serial No. 333,050
6 Claims. (Cl. 41—34)



6. Scenery-forming paper of the character described comprising a sheet of relatively tough pliable paper having its surface coated to symbolize snow, grass, rocks and the like, tabs cut at random intervals in said sheet and arranged to be folded into positions perpendicular to the surface thereof, and wads of wool-like material secured to opposite sides of said tabs and arranged when the latter are disposed perpendicular to the coated surface of the sheet to symbolize trees, shrubbery, bushes and the like upon said coated surface, said paper being sufficiently pliable to permit crumpling thereof without cracking and stiff enough to retain a fashioned position.

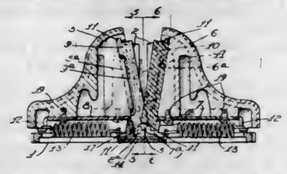
2,241,411
REFRIGERATION
Orton S. McGuffey, Lansing, Mich., assignor to Kold-Hold Manufacturing Company, Lansing, Mich., a corporation of Michigan
Application July 3, 1939, Serial No. 282,600
2 Claims. (Cl. 62—1)

1. The herein described method of producing a refrigerating unit which consists, in providing a closed refrigerating tank hermetically sealed at all places except at an opening therein for filling the tank, supplying a freezable solution which has been heated nearly to its boiling point to said tank while the solution is still sufficiently hot to have vapors rising therefrom, and filling it through said filling opening to substantially ninety percent of its capacity, and sealing said filling opening after an interval of time sufficient for the vapors rising from the heated solution to exclude air from the unfilled space



within the tank and before the solution has materially lowered in temperature.

2,241,412
KNIFE SHARPENER
Alexis E. Meade and Margaret L. Meade, Lakewood, Ohio
Application August 9, 1939, Serial No. 289,216
11 Claims. (Cl. 51—214)

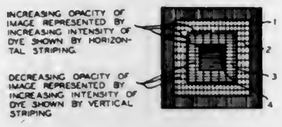


3. In a knife sharpener, a frame providing a vertical guide slot and a horizontal guideway extending transversely thereof in opposite directions therefrom, a pair of carriers mounted for sliding movement on said guideway and abrasive means on said carriers disposed with their working surfaces in oppositely oblique relation to the guide slot and in planes which intersect at the plane of the slot, said slot extending below the lower ends of said working faces, together with means yieldingly urging said carriers toward each other, and stop lugs on the frame engageable with the lower portions of the working faces of the abrasive members on said carriers respectively for altering the limits of movement of the carriers toward each other in accordance with the wear of said working faces.

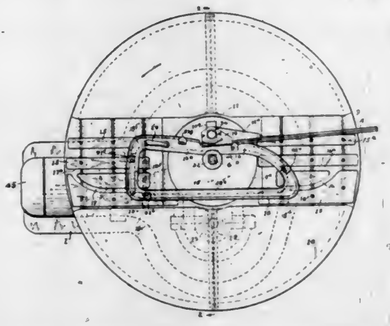
2,241,413
PHOTOGRAPHIC PRINTING PROCESS AND IMAGE FOR USE THEREIN
Walter Michaelis, Brussels-Forest, Belgium, assignor, by mesne assignments, to Chromogen, Incorporated, a corporation of Nevada
Original application March 23, 1937, Serial No. 132,629. Divided and this application June 22, 1939, Serial No. 280,659. In Germany March 24, 1936
8 Claims. (Cl. 95—2)

1. A photographic printing process in which there is used in superposition on the same support at least one colored part image representing a color selection of a multicolor image and another part image representing a different color selection of the multicolor image, the last named part image being in the form of a composite dou-

ble-colored image in which the transition between light and shadow of the color selection is recorded by two different dyes, each of which is substantially transparent for light strongly absorbed by the other one, the density of the one dye increasing proportionally with the transition from light to shadow of the color selection, which comprises producing the print of the single-colored part image with colored light absorbed chiefly by the dye forming the single colored part image and substantially uniformly weakened by the composite double colored part image and producing the print of the double colored part image with light absorbed chiefly by one color of the double-colored part image only.



2,241,414
FORMING MACHINE
Howard I. Morris, Lakewood, Ohio, assignor to The Yoder Company, Cleveland, Ohio, a corporation of Ohio
Application October 24, 1936, Serial No. 107,490
23 Claims. (Cl. 153—40)



1. In a forming machine, the combination of a support, a table rotatably mounted thereon, a die of curvilinear contour movably mounted on said table and provided with a rack throughout its contour, means for securing a section of material to said die, a shoe arranged to be operatively related to the material to co-act with said die, a driven pinion engaging said rack for moving the walls of the die relative to said shoe, and means for rotating said table at predetermined positions of said die relative to said shoe.

2. In a forming machine, the combination of a support, a table rotatably mounted thereon, a die having a substantially continuous shaping wall, slidably mounted on said table, means for securing material to said die, a shoe arranged to be operatively related to the material to co-act with said die for shaping material thereon, means for rotating said table, separate means for sliding said die relative to said shoe, and means for starting and stopping the rotation of said table at predetermined positions of said die relative to said shoe.

2,241,415
OPHTHALMIC LENS
Harold R. Moulton, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application August 2, 1937, Serial No. 156,985
4 Claims. (Cl. 88—54.5)



1. An eye contact lens comprising a main lens portion of transparent completely polymerized methyl methacrylate material formed with a catalyst of an amount to produce a desired degree of hardness and having adhesion resistant outer surface characteristics shaped to produce a given refractive value when in position of use on the eye and a peripheral supporting portion integrally united by polymerization with said main lens portion, said supporting portion being of plasticized known artificial resinous material formed with a plasticizer of an amount to produce a desired degree of softness and having adhesion resistant outer surface characteristics with the outer and inner surfaces thereof blending gradually with the outer and inner surfaces of the main lens portion with the inner surface shaped to fit the general contour shape of the scleral portion of the eye, and said supporting portion also being relatively soft, pliable and of a material resistant to secretions of the eye.

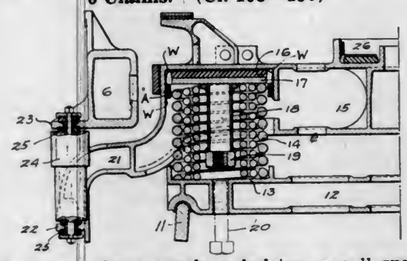
2,241,416
PROCESS FOR MAKING HIGHER ALIPHATIC ALCOHOLS
Wilhelm Normann, Chemnitz, Germany, assignor, by mesne assignments, to American Hyalsol Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 21, 1931, Serial No. 510,326. In Germany January 27, 1930
18 Claims. (Cl. 260—638)

1. The process of preparing lauric alcohol comprising treating the ethyl ester of lauric acid with hydrogen in the presence of metallic copper at a pressure of about 100–200 atmospheres and at a temperature between 300° and 400° C.

2,241,417
HIGHER ALIPHATIC ALCOHOLS
Wilhelm Normann, Chemnitz, Germany; Martha Normann, administratrix of Wilhelm Normann, deceased, assignor to American Hyalsol Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 10, 1933, Serial No. 656,197. In Germany January 27, 1930
8 Claims. (Cl. 260—638)

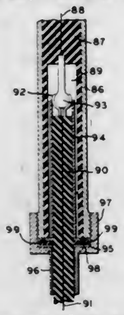
1. The process for the production of alcohols of high molecular weight which comprises passing a glyceride of a carboxylic acid having more than 8 carbon atoms in the acid radical with hydrogen, while heating to a temperature of the range from 200° to 400° C., over a copper containing hydrogenation catalyst.

2,241,418
RAILWAY TRUCK
Karl F. Nystrom, Milwaukee, Wis., Edmund S. Beckette, East St. Louis, Ill., and Vernon L. Green, Milwaukee, Wis.; said Beckette assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application October 31, 1938, Serial No. 237,820
6 Claims. (Cl. 105—190)



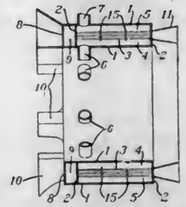
1. In a railway truck, a bolster, a coil spring supporting said bolster, a member for seating said spring and having an unobstructed opening facing downwardly substantially in line with the axis of said spring, a detachable bolt insertible through said opening from beneath the member into the spring coil with its head disposed to engage the lower face of said member, an element overlying said spring with a part threaded to receive said bolt whereby the latter may be rotated to engage said part and draw said element towards said member to compress said spring.

2,241,419
THERMAL PROTECTION FOR SHIELDED IGNITION SYSTEMS
Melville F. Peters, Beltsville, Md.
Original application December 7, 1934, Serial No. 756,431. Divided and this application October 12, 1939, Serial No. 299,124
4 Claims. (Cl. 174—84)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. In combination, an element having a recess therein, an electrical conductor within said element having a bulbous terminal in said recess adjacent the bottom thereof, a member including an electrically conducting portion insertable into said recess, electrically conducting fingers secured to said portion to be movable toward and away from each other and to be pushed over said terminal, means on said member movable into said recess to lock said fingers against withdrawal from said terminal, and means to force said movable means into and to secure said means in the locking position and positively to fasten said element and said member together to prevent accidental separation thereof.

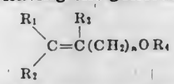
2,241,420
INTERCOOLER
Benjamin Pinkel, Hampton, Va.
Application December 6, 1939, Serial No. 307,853
9 Claims. (Cl. 123—119)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. An intercooler characterized by being substantially annular in shape, and having an annular chamber adapted to communicate with the exit of a supercharger and with the inlet passages of the cylinders of an engine, said intercooler being further characterized by having closely spaced cooling tubes extending through said annular chamber, said tubes being arranged in concentric rings, sufficient volume being provided in said annular chamber on each side of the tubes for substantially unrestricted circumferential flow of the fluid, and ducts adapted to extend into the cowling space ahead of a radial engine for obtaining cooling air.

2,241,421
ETHERS AND THEIR SULPHONATED DERIVATIVES
Donald Price and Bernard A. Dombrow, New York, N. Y., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application September 30, 1939, Serial No. 297,325
25 Claims. (Cl. 260—513)

1. A composition of matter comprising essentially an ether having the general formula:



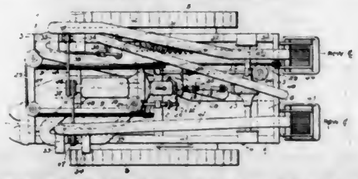
in which R_1 and R_2 denote radicals selected from the group consisting of hydrogen and alkyl radicals containing not more than 4 carbon atoms; R_3 denotes an alkyl radical containing not more than 6 carbon atoms; R_4 denotes a fatty alcohol radical containing from 6 to 22 carbon atoms, and n is a whole number from 1 to 3.

2,241,422
TERPENE- AND ROSIN-MODIFIED PHENOL-KETONE - FORMALDEHYDE RESIN AND METHOD OF PREPARING SAME
Israel Rosenblum, New York, N. Y.
No Drawing. Application March 2, 1938, Serial No. 193,448
15 Claims. (Cl. 260—25)

1. The method of producing an oil-soluble, phenolic resin which is capable of yielding non-penetrating varnishes, which comprises reacting a phenol, a ketone, formaldehyde, an acidic natural resin and a terpenic material of the group consisting of dipentene and terpineol until an initial resinous condensate is obtained, the molecular proportion of formaldehyde to phenol being at least 1:1, and then elevating the tempera-

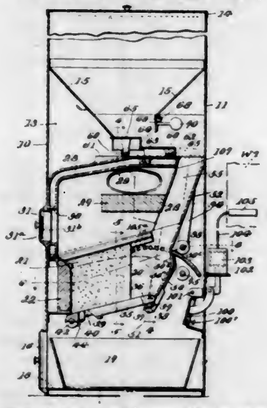
ture to dehydate the mass, the natural resin being employed in about 3 to 4 times the combined weights of the phenol, ketone and formaldehyde.

2,241,423
SELF-PROPELLED COTTON PICKING MACHINE
John D. Rust, Memphis, Tenn.
Application August 25, 1937, Serial No. 160,926
1 Claim. (Cl. 56—14)



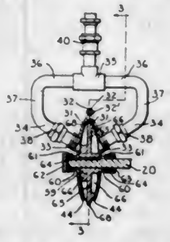
A self-propelled tractor type machine, embodying an elevated frame track-type tractor designed to straddle a plurality of rows of plants, a right and a left picker unit of the character described, each unit having a plant tunnel and cotton picking mechanism operating on the plants as they are passed through the tunnels, said units being arranged in tandem, means to mount said units in position so the machine will operate on two rows of plants at a time, and means to mount said units below the frame of the tractor, said units being mounted with their principal combined weight disposed at one side of the central vertical plane of the tractor, cotton receivers mounted on the tractor and having their principal combined weight disposed at the other side of said plane, suction-blowers for conveying the cotton from one unit to one receiver, and other suction-blowers for conveying the cotton from the other unit to the other receiver, said blowers for the respective units being mounted on opposite sides of the machine for balancing purposes.

2,241,424
FURNACE HAVING AUTOMATIC FUEL CONTROL
Hugh W. Sanford, Knoxville, Tenn., assignor to Knox Stove Works, Knoxville, Tenn., a corporation of Tennessee
Application April 12, 1937, Serial No. 136,492
27 Claims. (Cl. 110—101)



1. A furnace comprising a fire pot including a fuel supporting portion having a receiving end and a discharge end, means for feeding fuel onto said portion, a fuel advancing element movable at variable speeds depending upon and responsive to the rate of combustion of fuel in the fire pot for advancing fuel along said supporting portion from end to end whereby clinkers can be eliminated at said discharge end, means for resisting free movement of a fuel mass along said supporting portion thereby to provide fuel mass congestion in said fire pot, power applying means and driving connections between said power applying means and said element so constructed and cooperatively arranged as to be constantly tending to impart fuel advancing movement to said element and completely stallable or subject to having its speed of action retarded by density of the fuel and ash mass engaged by said element, whereby fuel advancing movement of the element and the speed thereof are directly responsive to fuel and ash mass congestion determined by the rate of combustion of fuel.

2,241,425
APPARATUS FOR VAPORIZING AND SPRAYING THICK LIQUIDS
Hermann Henry Schmidt, Hanover, Kans., assignor to The Universal Royalty and Development Company, St. Joseph, Mo., a corporation of Missouri
Application December 21, 1936, Serial No. 116,923
10 Claims. (Cl. 299—63)

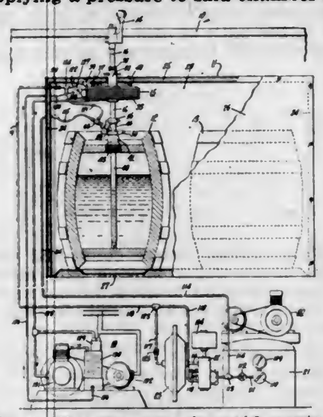


1. In a machine of the character described, a casing, rotatable means in said casing comprising a disk-like member of smaller diameter than said casing dividing said casing into a pair of closely adjacent communicating chambers axially of said rotatable means, said rotatable means comprising vanes extending continuously from adjacent the center thereof to the peripheral edge thereof and operating in each of said chambers, said vanes extending perpendicularly to said disk-like member and decreasing in height toward the periphery of said rotatable means, inlet means leading into said casing on opposite sides of said dividing means, and means for rotating said rotatable means, said casing having an outlet at its periphery for centrifugally discharging material acted upon by said rotatable means from said casing, said rotatable means projecting through said outlet.

2,241,426
BEVERAGE COOLER
Aaron Wiley Sherwood, Hackensack, N. J., assignor to Associated Engineering, Inc., Glen Rock, N. J., a corporation of New Jersey
Application September 26, 1938, Serial No. 231,635
18 Claims. (Cl. 62—141)

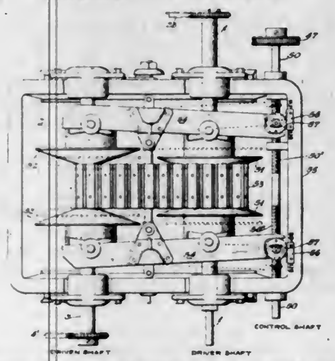
1. The method of cooling a beverage which comprises maintaining a gas pressure on the beverage in a container, applying a reduced pressure to a cooling chamber above the container to transfer the beverage to said chamber, applying

a cooling medium to said cooling chamber and then applying a pressure to said chamber at least



as high as the pressure in said container to return the beverage to said container.

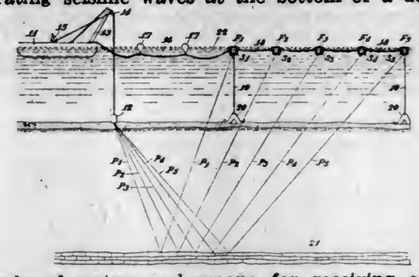
2,241,427
CONTROLLING OF DRIVES
Albert F. Shields, Jamaica, N. Y., assignor to S & S Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Application September 29, 1938, Serial No. 232,323
6 Claims. (Cl. 74—230.17)



1. Means for controlling the speed ratio between a driving and driven member comprising mechanism for changing the speed ratio between said driving and driven members; a control shaft; an element movable by said control shaft; a cam mounted on said element coacting with said mechanism for controlling the speed ratio changing effect thereof; and means for rotating said cam in response to a movement of said control shaft to control the speed ratio between said driving and driven members in a predetermined manner with respect to the operation of said control shaft.

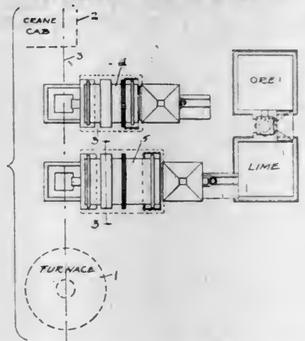
2,241,428
APPARATUS FOR UNDERWATER SEISMIC SURVEYING
Daniel Silverman, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application June 28, 1938, Serial No. 216,254
11 Claims. (Cl. 181—0.5)

1. Apparatus for seismic surveying in areas covered by deep water comprising means for generating seismic waves at the bottom of a deep



body of water, and means for receiving said seismic waves at at least five horizontally spaced points near the surface of said body of water.

2,241,429
METHOD OF TREATING MATERIALS
Benjamin A. Smith, Lakewood, Ohio, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio, a corporation of Ohio
Application August 14, 1937, Serial No. 159,140
2 Claims. (Cl. 75—89)

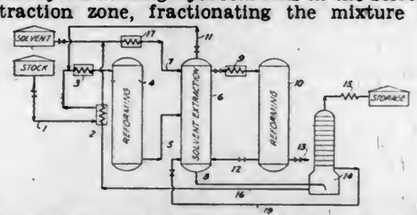


1. The method of charging a metallurgical furnace for metal alloy manufacture which comprises separately impounding the reducing and reducible materials in quantities substantially greater than that required for individual charges, heating internally such impounded masses at substantially constant rates while continuously agitating the same, intermittently withdrawing from such impounded masses sufficient of such pre-heated material to constitute a charge for the furnace while continuing the agitation of said mass and replenishing the impounded mass so intermittently depleted by the addition thereto of raw material at such a rate that the temperature of the impounded mass is not substantially changed by the introduction of such raw material.

2,241,430
PROCESS OF TREATING HYDROCARBONS
Alvah L. Snow, San Francisco, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application February 7, 1938, Serial No. 189,160
10 Claims. (Cl. 196—13)

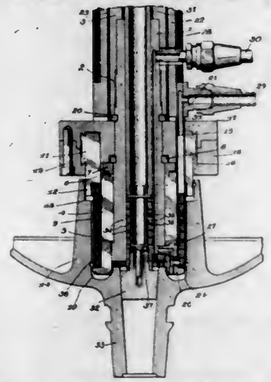
1. A process which comprises subjecting a petroleum fraction to a plurality of reforming operations whereby the ultimate end point of the reforming reaction is approached in a plurality of steps, inhibiting side reactions and selectively

dissolving reformed reaction products by contacting the hydrocarbons from at least one of said reforming operations in vapor phase with a liquid phase solvent having a selective solvent action for aromatic and unsaturated hydrocarbons, at least partially condensing hydrocarbons in the solvent extraction zone, fractionating the mixture of



selective solvent and dissolved hydrocarbons by intimately mixing said mixture with additional vapor phase hydrocarbons from a reforming operation, separating a vapor phase raffinate from said selective solvent and subjecting said vapor phase raffinate to at least one of said reforming reactions.

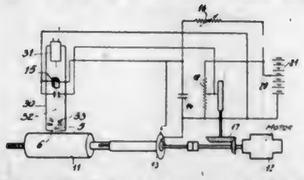
2,241,431
ELECTRIC COIL AND CORE THEREFOR
Howard E. Somes, Detroit, Mich.
Application April 21, 1938, Serial No. 203,276
13 Claims. (Cl. 219—13)



1. A body of low magnetic reluctance having a part of its surface adapted to telescope unobstructedly from its one end only with a correspondingly shaped electric coil, said body being composed of laminations arranged substantially in the direction of and radially to the axis of the surface part telescoping with said coil; and lamination holding means remote from said surface part and shielded from the coil by the magnetic circuit formed by said body for holding said laminations together, said holding means being centrally located with respect to the coil.

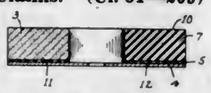
2,241,432
ELECTRON SCANNING MICROSCOPE
Manfred von Ardenne, Berlin-Lichterfelde, and Bodo von Borries, Berlin-Spandau, Germany
Application September 7, 1938, Serial No. 228,776
In Germany September 11, 1937
6 Claims. (Cl. 250—158)

1. Electron scanning microscope having means for producing an electron beam, means for supporting an object in the path of the beam, means for concentrating said beam so as to produce a scanning spot on the object, means for moving said beam to scan the surface of the object, a recording member for accommodating a photosensitive layer, said recording member being arranged in the path of said beam behind the object and movable transversely to said beam, and



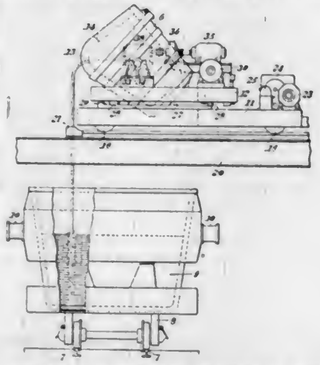
mechanical control means connected with said recording member for moving said member in proportional relation to the scanning movements of said beam, yet with an amplitude greater than that of said movements, whereby an enlarged image of the object is produced upon said layer.

2,241,433
ABRASIVE ARTICLE AND METHOD OF MAKING THE SAME
Avery W. Walker, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application December 11, 1939, Serial No. 308,551
9 Claims. (Cl. 51—209)



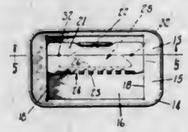
1. An abrasive grinding disc comprising a rigid backing plate and a plurality of bonded abrasive segments adhesively attached thereto by means of an intermediate layer comprising polychloroprene, the joints between the opposing side faces of adjacent abrasive segments being filled with a cold-setting resin cement.

2,241,434
MANUFACTURE OF WROUGHT IRON
Frederick W. White, New Brighton, Pa., assignor to A. M. Byers Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 19, 1939, Serial No. 285,318
12 Claims. (Cl. 75—47)



1. A method of making wrought iron by the Aston process, comprising pouring through a stream defining opening molten ferrous material in a compact controlled stream which completely fills said opening formed during at least the greater portion of the pour under a substantially constant head of the molten ferrous material into a bath of molten slag to form a wrought iron sponge ball.

2,241,435
CONTAINER
Richard J. White, New York, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 28, 1939, Serial No. 296,981
2 Claims. (Cl. 221—62)



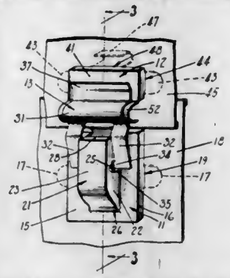
2. A dredge top can comprising a top and having a rectangular depression, two opposite walls of which are formed with straight channel sections and overhanging ledges, curved and straight score lines cut in the panel wall of said depression and setting off a removable part of segmental shape which when removed from the plane of the end by separation along the curved section of said score lines opens the can by bending the removable part along the straight section of the score while forming a dispensing opening into which a spoon may be inserted, for removing the can contents, a flat rectangular slide member located in said depression and having close engagement with its panel wall while extending into said channels at two opposite ends and being held in sliding position by said overhanging ledges, said slide having edge curls on its two sides whereby the slide may be moved over said dispensing opening, one of said edge curls being slotted and when aligned over the dispensing opening providing for sifting of the can contents, other positions of said slide member further opening or reclosing the can, and stop elements formed in said slide and in said panel wall for determining the can reclosing position.

2,241,436
PROCESS OF TREATING PEELED POTATOES
Joseph L. Williams, Seattle, Wash.
No Drawing. Application April 1, 1939, Serial No. 265,507
3 Claims. (Cl. 99—156)

1. The process of preserving a peeled potato comprising the subjection of the potato to a solution that is two per cent by weight sodium metabisulphite for an interval of time approximately ten minutes.

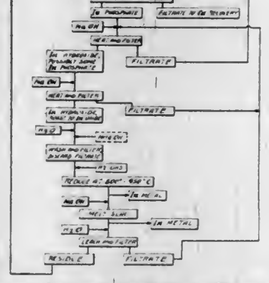
2,241,437
SNAP LOCK
Everett Worthington, deceased, late of Scarsdale, N. Y., by Lucile Worthington, administratrix, Berkeley, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application October 12, 1939, Serial No. 299,220
2 Claims. (Cl. 292—209)

1. In a snap-catch for luggage or the like, including a sheet metal keeper member terminating in a depending substantially uniformly outwardly and inwardly curved projecting latch engaging portion, the combination of a sheet metal latch body member adapted to be secured to a piece of luggage in substantially the plane of the keeper, and a catch element hingedly connected to said latch body member and adapted to be hinged into locking position with said keeper member, said catch element including an elongated outwardly and inwardly substantially uniformly curved projecting half-round



lock wall section which interlocks with and closely conforms to the curvature of the inwardly and outwardly curved terminal portion of said keeper when the catch element is in locking position to thereby lock together said latch body member and said keeper.

2,241,438
RECOVERING INDIUM
Clarence Zischkau and Henry B. Linford, Woodbridge, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application July 12, 1940, Serial No. 345,056
8 Claims. (Cl. 75—121)

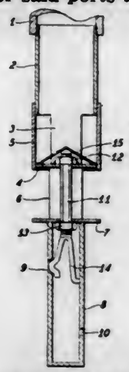


1. A process for separating indium from indium-containing materials which comprises acid leaching the materials, precipitating the indium as phosphate by adding soluble phosphate to the solution while controlling the pH value of the solution between approximate limits of 2.5 and 4.0, converting the indium phosphate into indium oxide by reacting upon the phosphate with caustic alkali and roasting the resulting indium hydroxide to indium oxide, and reducing the oxide to metallic indium.

2,241,439
DEVICE FOR PLACING GRAVEL IN HOLES
James D. Ball, Freer, Tex.
Application May 4, 1939, Serial No. 271,669
4 Claims. (Cl. 166—19)

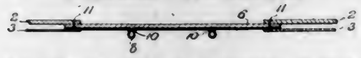
1. A device for placing gravel or similar material in the bottom of a bore hole comprising a

container adapted to be lowered into a bore hole, side ports in the lower portion of said container, a sleeve valve for said ports arranged outside of



said container means attached to said container for locking said slide valve in a closed position and means for raising said valve sleeve upward to expose said parts.

2,241,440
MANUFACTURE OF FOOTWEAR
Albert F. Bancroft, West Newton, Mass., assignor to Bancroft-Walker Company, Waltham, Mass., a corporation of Massachusetts
Application August 4, 1938, Serial No. 222,956
14 Claims. (Cl. 12—146)



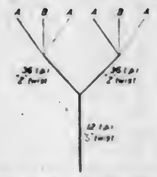
1. Method of making footwear wherein the upper includes an elastically stretchable element containing rubber threads, said method comprising as steps so assembling with the upper an elongate substantially inelastic restraining element that the restraining element extends substantially in the direction of stretch of the elastic element, uniting opposite ends of the restraining element to the upper at points adjacent to the opposite edges respectively of the stretchable element with one of said elements extending substantially straight from one point of union to the other, while the second of said elements is of a length, between said points of union, greater, by a definite amount, than the straight line distance between said points of union, lasting the upper, including its associated restraining element, and thereafter removing the restraining element.

2,241,441
MANUFACTURE OF MAGNETIC BODIES
Adolph F. Bandur, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 15, 1938, Serial No. 219,339
4 Claims. (Cl. 29—155.5)



1. A method of forming insulated magnetic particles into magnetic bodies which comprises the steps of placing the loose particles in a walled die cavity, forming the particles into a mass by advancing a member into the cavity, said member being provided with a concave end surface to move some of the loose particles away from the cavity wall as the member advances and before it compresses the particles and then form the particles into a mass having a convex surface, and finally compressing the mass into the magnetic body with a second advanced into the cavity and having a flat surface for engaging the mass member.

2,241,442
PROCESS OF PRODUCING COMPOSITE YARNS
Angus Smith Bell and Joseph Rowland Wylde, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application April 1, 1939, Serial No. 265,485
In Great Britain June 7, 1938
12 Claims. (Cl. 57—157)



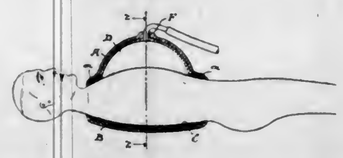
1. Process for the production of composite yarns, which comprises doubling two or more yarns of uncrinkled filaments with one or more yarns of crinkled filaments, the yarns of crinkled filaments being fed to the doubling device at a greater speed than the yarns of uncrinkled filaments, at least two of the yarns of uncrinkled filaments being fed to the doubling device at an angle to each other, so that the yarns of crinkled filaments are caught at intervals between the yarns of uncrinkled filaments.

2,241,443
CLEANING DEVICE
James D. Berry, Los Angeles, Calif.
Application July 23, 1938, Serial No. 220,908
3 Claims. (Cl. 15—130)



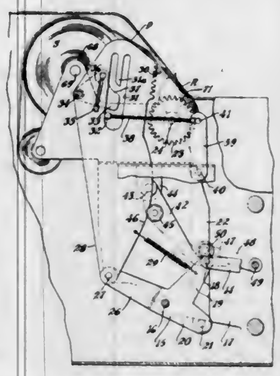
1. In a cleaning device, a head having a plurality of complementary parts including a perforated cap and a flared body portion, means for releasably jointing the cap and body portion, a hollow porous element upon said cap covering the perforations thereof and adapted to receive liquid passing through the perforations, an annular recess about the periphery of the cap, clamping means having curved prongs adapted to engage the porous element and press portions of it into said recess, straps fixed to the body portion having outwardly extending ears, holes in said ears, a pintle journalled in the holes and having portions thereof fixed to a group of said prongs.

2,241,444
RESPIRATOR JACKET
Joseph H. W. Bower, Toronto, Ontario, Canada
Application October 3, 1938, Serial No. 232,948
In Canada October 4, 1937
1 Claim. (Cl. 128—30)



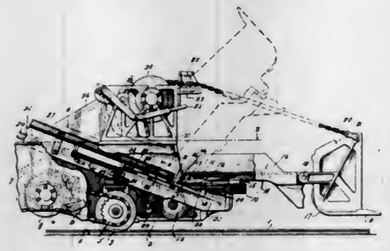
A respiratory tubular jacket comprising rigid front and back sections moulded to the shape of the body in the chest and abdominal regions and having mating edges, the front section having a raised portion forming a cavity, an air seal of soft resilient material arranged around the cavity of the front section adapted to form an air seal with the patient's body, a pad of sponge rubber lining upon the inner face of the back section for both cushioning and sealing contact with the body and being extended laterally outward between the mating edges of said sections to form a seal, and means for clamping the sections together with the laterally extending portions of said air seal compressed between the said mating edges.

2,241,445
DOUBLE PAPER FEEDING MECHANISM FOR CASH REGISTERS
Harold W. Clark, Alliance, Ohio, assignor to The McCaskey Register Company, Alliance, Ohio, a corporation of Ohio
Application August 6, 1938, Serial No. 223,500
8 Claims. (Cl. 197—133)



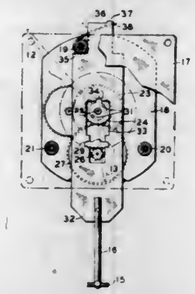
1. A machine of the class described having a platen, means for holding a paper strip about said platen in feeding relation thereto and in printing position in front of said platen, a control key, means operating automatically during an ordinary operation of the machine to line space said platen, and means operating automatically during an operation of the machine under control of the control key when the control key is depressed to advance the platen to feed the last printed entry a predetermined distance beyond the printing line and to then reverse the platen to feed the paper strip backward toward the printing line upon the next operation of the machine.

2,241,446
MUCKING MACHINE
Douglas C. Corner, Greenwich, Conn.
Application May 16, 1939, Serial No. 274,005
18 Claims. (Cl. 214—90)



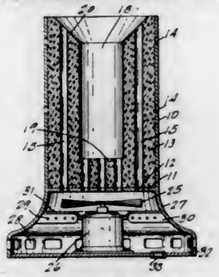
1. A mucking machine comprising a dipper, means to raise the dipper to dump the material, a protection plate onto which the material falls, a conveyor located under the protection plate, and means operated by said means for raising said dipper, to move the protection plate along the conveyor, to cause the material to be deposited from said plate onto the conveyor.

2,241,447
CLOCK SYNCHRONIZING DEVICE
Eugene A. Demonet, East Orange, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application September 28, 1938, Serial No. 232,065
5 Claims. (Cl. 58—34)



5. A clock comprising hands, a driving means therefer, a train of reduction gears, a pair of spaced plates for journaling said gears, a plurality of sleeves for suitably spacing said plates, one gear of said train being provided with two diametrically positioned pins extending from one face thereof, a device for rotating said one gear with respect to a second gear, said device comprising a flat member having a slot through which a third one of said reduction gears projects and serves as a guide for said member, said flat member being further characterized by a recessed portion having one edge thereof in sliding registry with one of said sleeves and an opening through which said pins project, a spring for urging said flat member in a manner to effect engagement between a second edge of said recessed portion and said one sleeve, and means accessible from the exterior of the clock for moving the flat member against the action of said spring to effect the engagement of an edge of said opening with said pins.

2,241,448
BOTTLE DRIER
Ben Elboum, Oakland, Calif.
Application July 24, 1939, Serial No. 286,129
14 Claims. (Cl. 34—95)

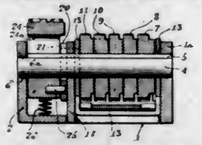


1. A bottle drier comprising a resilient element having a bottle passage to restrictedly receive a bottle and to remove moisture from the peripheral surface of the bottle, and having a bottom element for cooperation with the bottom of the bottle and functioning to remove moisture from the bottom of the bottle, and in which said resilient element and said bottom element consist of absorbent material with the diameter of the bottle passage formed to a value not to exceed that of the restricted portion of the bottle.

2,241,449
COLORATION OF TEXTILE AND OTHER MATERIALS
George Holland Ellis and Henry Charles Olpin, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application August 19, 1939, Serial No. 291,004. In Great Britain October 27, 1936
2 Claims. (Cl. 260—205)

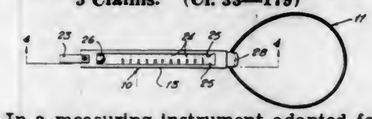
1. 4-nitro-2-chlor-6-brom-benzene-azo-N-di-(β-hydroxy-ethyl)-aniline.

2,241,450
NUMBERING MACHINE
Walter Faas, South Orange, N. J., assignor to The Bates Manufacturing Company, West Orange, N. J., a corporation of New Jersey
Application February 15, 1939, Serial No. 256,496
4 Claims. (Cl. 101—88)



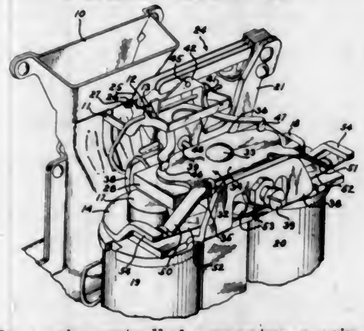
1. In a numbering machine having a bank of type wheels comprising drop cipher elements, an actuating plunger disposed axially of said wheels, and a frame enclosing said wheels and plunger: a key on said frame, and a type wheel support shaft supported in said frame and passing through an aperture in said plunger, said shaft having a slot underlying said type wheels and extending beyond them and being adapted both to receive bottom projections of said drop cipher elements and to coact with said key to prevent improper rotary orientation while permitting free longitudinal movement of said shaft whereby to clear a desired plurality of type wheels for easy removal thereof.

2,241,451
SURGICAL MEASURING INSTRUMENT
Harry S. Fist, Los Angeles, Calif.
Application June 19, 1940, Serial No. 341,299
5 Claims. (Cl. 33—179)



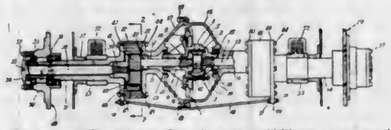
1. In a measuring instrument adapted for insertion in the human vagina, a handle, a flexible member projecting from one end of said handle in the form of a substantially circular loop, means cooperating with said handle for increasing or decreasing the size of said loop, and a projection formed on said one end of said handle for locating the instrument with respect to the pubic joint.

2,241,452
COIN COLLECTOR APPARATUS
Jerome S. Franks, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 9, 1938, Serial No. 244,732
3 Claims. (Cl. 179—6.3)



1. In a coin controlled apparatus, a coin hopper, coin operated means associated with said hopper actuated by a coin entered therein, a signal circuit, means including contacts responsive to an actuation of said coin operated means for closing said signal circuit, an electromagnet, an armature, a member from which said armature is rigidly suspended, means for pivotally supporting said member, a unitary bifurcated member having spaced lever arms directly engageable with and actuated by the member and operatively associated with said contacts and coin operated means for restoring the same to their normal positions upon movement of said armature when said electromagnet is energized, and means for pivotally supporting said bifurcated member.

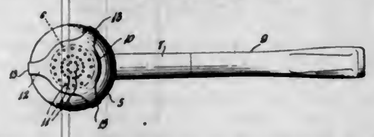
2,241,453
AXLE STRUCTURE
Orlander W. Fry and Harold W. Langbein, Los Angeles, Calif.
Application September 12, 1938, Serial No. 229,584
3 Claims. (Cl. 74—314)



1. In a mechanism for transmitting power to a

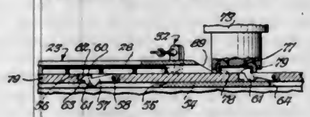
pair of coaxial driving wheels of an automotive vehicle through an interposed differential gear mechanism, including an axle housing by means of which the wheels carry a load, said load being applied to the housing at corresponding places on opposite sides of the differential between the differential and the wheels, said axle housing having oppositely directed drive axles respectively for each wheel, pinions carried respectively by the outer ends of the drive axles, internal gear wheels respectively driven by said pinions, driven axles respectively axially alined with said internal gear wheels and in driving relation therewith, means to permit free relative axial movement between each gear wheel and its associated shaft, said axle housing including sleeves for the driven axles and bearing means to support each of said gear wheels in the housing independently of the associated driven axle, said internal gear wheels and their cooperating pinions being located respectively adjacent the points of said axle housing liable to greatest flexure in response to said load.

2,241,454
SMOKING PIPE
Warren Fuhrmann, Kearny, N. J., and Thomas F. Powers, New York, N. Y.
Application September 22, 1939, Serial No. 296,008
6 Claims. (Cl. 131—176)



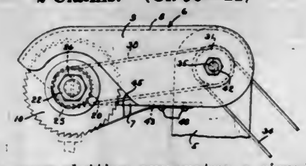
1. In a smoking pipe, a spherical bowl arranged with a tobacco chamber having a mouth opening to the circumference of the bowl, and a cover for the mouth of the bowl chamber having an arcuate portion conforming to the curvature of the bowl and a plurality of leg portions extending from the arcuate portion in the arc of said portion for the entire length of said leg portions, whereby the leg portions will slidably grip the pipe bowl to retain the arcuate portion on the pipe bowl and permit adjustment of said arcuate portion over and in angular relation to the mouth of the bowl chamber with the under surface of said arcuate portion in contact with the bowl.

2,241,455
CONTAINER CAPPING MACHINE
Howard E. Gantzer, Kenmore, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York
Application July 19, 1939, Serial No. 285,418
6 Claims. (Cl. 226—88.1)



6. In a device for handling container caps, the combination of feeding means insertible into the open side of a cap to move said cap along a predetermined path, a chuck adapted to engage and hold said cap, means to move said chuck toward said cap to engage and hold said cap, and means operative to cause withdrawal of said feeding means from said cap while the cap is held by said chuck.

2,241,456
SCREW SLOTTING APPARATUS
Harold C. Golz, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 11, 1940, Serial No. 313,328
2 Claims. (Cl. 90—11)



1. In a screw slotting apparatus, a circular saw, a support for said saw, and a leaf spring fixed to the support in a position at a tangent to the periphery of the saw and bearing against the teeth of the saw in the general area where the teeth of the saw are pointed downwardly, said spring being so positioned as to be cut by the saw and the slot formed in the spring having its edges adjacent the sides of the saw.

2,241,457
SWITCH
Lydia A. Hagler, Otis Orchards, and Sidney E. Smith, Opportunity, Wash.
Application May 7, 1940, Serial No. 333,856
5 Claims. (Cl. 200—59)



1. In a device of the character described, an annular body of insulating material for fitting about a steering column, said body consisting of arcuate sections having ends pivotally connected, the other ends of said sections being spaced from each other and provided with ears, a fastener passing through said ears to tighten the sections about the steering column, inner and outer annular contact strips carried by said sections, the inner strip having one end portion extending beyond the corresponding end of the outer strip and curved outwardly to form a cam surface, the outer strip having its other end portion extending beyond the corresponding end of the inner strip and curved inwardly to form a cam surface, and a contact member adapted to be secured to a steering wheel with a portion normally disposed between the spaced ends of the sections in position to be guided into engagement with the contact strips by the cam surfaces when the steering wheel is turned.

2,241,458
ROLL PACKAGE
Edward J. Heizer, West Caldwell, N. J., assignor to Congoleum-Nairn Inc., a corporation of New York
Application September 1, 1938, Serial No. 227,895
4 Claims. (Cl. 206—59)

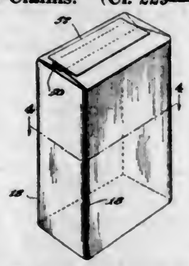
1. Packaged rolled sheet material comprising a roll of sheet material, a support plate at one end of said roll the inner face of which is arranged to support the entire surface presented by

the edges of the rolled sheet material at said end, and an end piece underlying and in plane contact with said support plate, the margin of said support plate being spaced from said end piece at least along opposite portions of said support plate by a recess extending inwardly a substantial distance beneath the plies of said rolled sheet material so that shocks to a marginal portion of said end piece are received by a portion of said support plate underlying those plies of



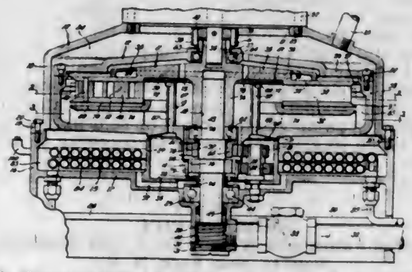
rolled sheet material which are spaced inwardly from the outermost plies of said rolled sheet material supported by said support plate, the area of contact between said end piece and said support plate being equal to at least approximately one-half the area of the support plate in contact with said plies whereby rocking movement between said support plate and said end piece is effectively prevented.

2,241,459
PACKAGE
Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application March 9, 1939, Serial No. 260,767
7 Claims. (Cl. 229—87)



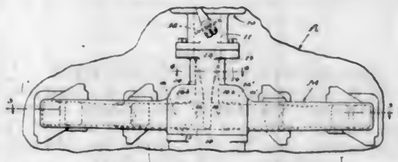
1. A new article of manufacture, a package comprising a carton having top and bottom flaps and a wrapper comprising a composite sheet of metallic foil and paper wrapped about the carton, the metallic foil forming the outer sheet, said wrapper being adhesively affixed to and having portions extending beyond said top flaps, and having opposed portions of the top of said wrapper tucked inwardly to cause said top flaps and the affixed portions of the wrapper to lie flat and form the top of the carton and to bring the extended portions of the wrapper together to form an elongated folding tab having a pleat in each end, said tab being folded about a line adjacent the top of the carton and the folded portions of the tab being again folded and adhesively secured to the top of the carton, the opposed narrow top flaps being substantially triangular in shape to conform to and support the natural triangular shaped fold of said wrapper when said opposed portions are tucked inwardly.

2,241,460
COMPRESSOR
Ernest R. Huntley, Los Angeles, Calif., assignor to Leo M. Harvey, La Canada, Calif.
Application January 15, 1940, Serial No. 313,890
24 Claims. (Cl. 230—108)



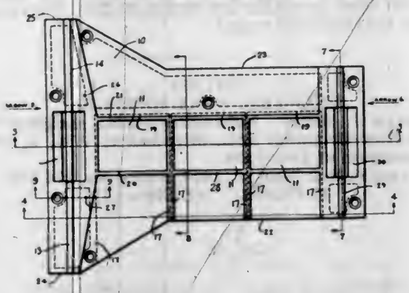
1. A compressor or vacuum pump of the character described comprising a rotatable impeller having outwardly extending passages in which fluid is subjected to the effect of centrifugal action, said passages discharging the fluid from the impeller, means for conducting liquid and gas to the inner ends of said passages, means for rotating the impeller, a rotatable case enclosing the impeller and rotated by the fluid discharging from the impeller, a drive between the case and impeller whereby the case assists in rotating the impeller, means for conducting the gas from the case, and means for returning the liquid from the case to the first named means.

2,241,461
FUEL INDUCTION SYSTEM
Enos R. Jacoby, Muskegon County, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States
Application October 27, 1939, Serial No. 301,630
17 Claims. (Cl. 123—52)



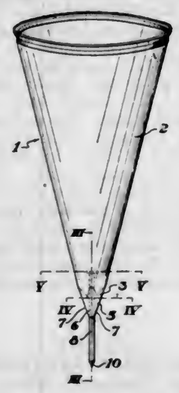
1. A fuel induction system for an internal combustion engine comprising a source of fuel supply, a primary fuel conducting portion extending downwardly from said source of fuel supply, a primary fuel distributing chamber, and oppositely extending secondary fuel conducting passages connecting said chamber at opposite ends only with the engine cylinder intake ports, and wet fuel impeding means on the wall of said primary conducting portion and acting on wet fuel flow for deflecting same to flow in a predetermined path toward substantially the central portion only of the closed side wall of said distributing chamber and substantially uniformly distributed to said secondary fuel conducting passages.

2,241,462
PHOTOGRAPHIC PRINTING MACHINE
Byers W. Kadel, Baltimore, Md., and George B. Kadel, Brooklyn, N. Y.
Application October 19, 1938, Serial No. 235,722
11 Claims. (Cl. 95—75)



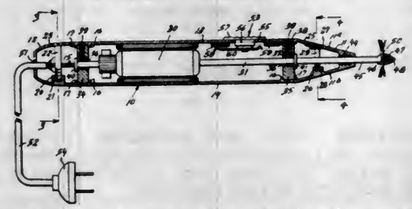
1. The improvement in photographic printing machines of the type having a light box, a film and paper supporting surface having a window above the light source, and a paper guide extending upwardly from said supporting surface adjacent an end of the window for maintaining a sheet of paper in a predetermined position with respect to the window, said improvement consisting of a film passageway which extends downwardly from said supporting surface at a point intermediate the end of said window and paper guide, the entrance to said passageway being disposed substantially in the plane of said supporting surface and being so arranged with respect to the paper guide that the edge of the paper in engagement with the latter will not enter the passageway.

2,241,463
GROUND SUPPORTED PLANT HOLDER
Elizabeth D. Keller, Columbus, Ohio
Application May 22, 1940, Serial No. 336,615
7 Claims. (Cl. 47—41)



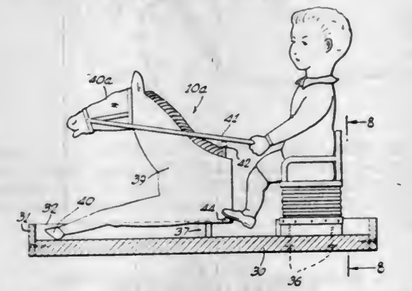
6. A garden appliance comprising a hollow conical body formed from sheet metal, a headed shank disposed axially of said body and extending through the smaller end thereof, said shank being permanently secured in said body, and stabilizing wings formed at the smaller end of said body at opposite sides of said shank, the head of said shank being spaced from the smaller end of said body and said wings.

2,241,464
ELECTRIC MOTOR DRIVEN TOOTHBRUSH
Sampson D. Koch, Eldred, Pa.
Application March 11, 1940, Serial No. 323,285
6 Claims. (Cl. 172—36)



1. A motor driven rotary toothbrush comprising a divided hollow casing handle, an electric motor within said handle, a motor shaft projecting outwardly of one end of said handle, a disc arranged on each side of said casing for rotatably supporting said shaft and positioning means within said handle adapted to engage said discs whereby to retain the same in fixed relation to said handle.

2,241,465
TOY
Florence Krempler, Stapleton, Staten Island, N. Y.
Application October 17, 1939, Serial No. 299,857
1 Claim. (Cl. 272—52)

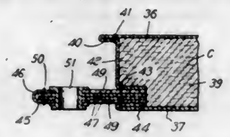


A toy comprising a platform, an upstanding member on said platform, a spring chair on the platform in back of the upstanding member and spaced therefrom, a flexible element on said upstanding member adapted to be held by a child sitting on the spring chair, footrests on the upstanding member for the feet of the child sitting on the spring chair, said spring chair comprising a base fixed to the platform, a plurality of conical springs on said base, a seat on said springs, a backrest fixed to said seat and extending upwardly therefrom, guard rails at the front and rear of the platform, and said guard rails being spaced from each other at each side of the platform, the space between the guard rails coinciding with the space between the upstanding member and the spring chair, to permit the child to enter upon the platform between said guard rails.

2,241,466
PAD OR CUSHION FOR TOBOGGANS AND THE LIKE
Frank Lovick, St. Paul, Minn., assignor to Twin City Bedding Company, St. Paul, Minn., a corporation of Minnesota
Application February 9, 1939, Serial No. 255,440
2 Claims. (Cl. 5—322)

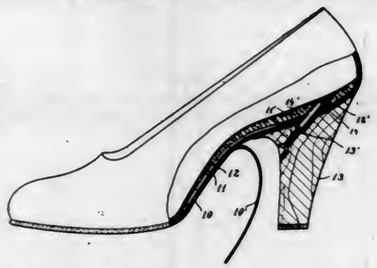
1. A cushion comprising an upper covering, a lower covering, inturned edges thereon, a flexi-

ble strip folded between its edges, a reinforcing strip enclosed in said flexible strip, grommets extending through said flexible strip and said



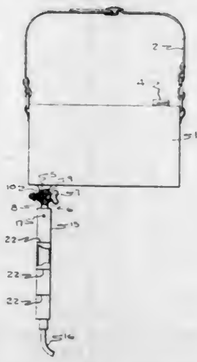
reinforcing strip, and stitching extending through said inturned edges on said coverings, said flexible strip and said reinforcing strip to hold said strip to said coverings.

2,241,467
SHOE
Fred Maccarone, Brooklyn, N. Y., assignor of one-half to Frank Sbicca, Philadelphia, Pa.
Application October 11, 1939, Serial No. 298,935
14 Claims. (Cl. 36—42)



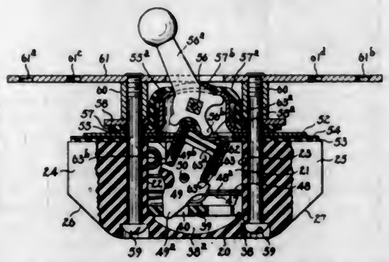
1. A shoe construction comprising an outsole, an insole and a heel, and clamping means extending directly thru the insole to the top of and thru the breast of the heel, to hold them together.

2,241,468
ANIMAL DRENCHER
Clifford D. Merritt, Jackson, Mich.
Application October 9, 1939, Serial No. 298,537
1 Claim. (Cl. 128—223)



A gravity feed animal drencher comprising a fluid tank, fluid conduit means connected at its upper end to said tank including a measuring tube, a valve located between said tank and the lower end of said tube, an administering nozzle connected to the lower end of said tube, an air inlet in said conduit means below said valve with its operation independent of the operation of said valve, the capacity of said tube and nozzle below said inlet constituting a maximum dosage, said air inlet with said valve open acting as an overflow and indicator and with said valve closed as an air inlet to enable the dosage to flow from said tube through said nozzle.

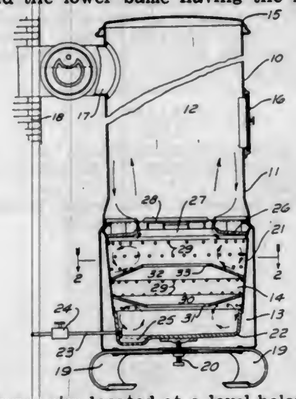
2,241,469
ELECTRIC SNAP SWITCH
George J. Meuer, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application May 22, 1939, Serial No. 274,872
17 Claims. (Cl. 200—16)



1. In a double-pole, double-throw snap switch without an off position, in combination, an insulating base having a recess formed therein and opening to the upper surface thereof, a rib formed integrally with the bottom wall of said recess and having a flat upper surface, an insulating plate slidable flatwise upon said upper surface of the rib, a pair of lower contacts respectively secured to the opposite ends of said recess and having resilient free end portions spaced from each other longitudinally of said recess and biased upwardly beyond said flat surface of the rib, an upper contact secured to a side wall of said recess and having a resilient free end portion biased downwardly toward said flat surface of the rib, said plate in all positions thereof being interposed between said upper contact and said lower contacts to maintain the same in substantially parallel spaced relation, a contactor carried by said plate and having portions exposed at the upper and lower surfaces of the latter, said upper exposed portion of said contactor being engaged with the resilient portion of said upper contact in each extreme position of said plate, said lower exposed portion of said contactor being engaged with the resilient portions of said lower contacts alternately upon movement of said plate to opposite extreme positions respectively, and manually operable means including means for effecting snap movement of said plate from each extreme position thereof to the other.

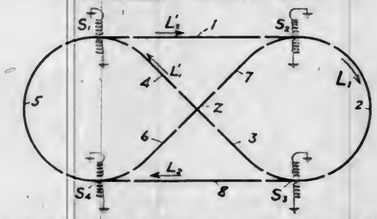
2,241,470
COMBUSTION APPARATUS
John W. Miller, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application September 11, 1939, Serial No. 294,250
7 Claims. (Cl. 158—91)

1. A burner of the vaporizing pot type comprising a side wall having a plurality of vertically spaced horizontal rows of air inlet openings therein, a bottom wall, and a pair of vertically spaced apart annular baffle plates within the burner, the upper baffle having the upper edge of its inner rim located at a level above its outer rim and the lower baffle having the lower edge



of its inner rim located at a level below its outer rim.

2,241,471
CONTROLLING MECHANISM FOR MODEL RAILROADS
Charles E. J. Modjeski, Philadelphia, Pa.
Application February 13, 1939, Serial No. 256,037
4 Claims. (Cl. 104—149)



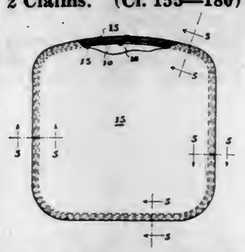
1. Apparatus for the control of a plurality of toy trains on a track arrangement having a plurality of propulsion current supplying sections comprising a controlling device adapted to assume a plurality of positions, each of which determines selective energization or deenergization of said sections, and means for advancing said controlling device intermittently by reason of attainment of a predetermined position by each of a plurality of the trains to effect variations in the selective energization or deenergization of said sections.

2,241,472
NASAL FILTER
Bella Nemon, St. Louis, Mo.
Application February 7, 1940, Serial No. 317,649
3 Claims. (Cl. 128—148)



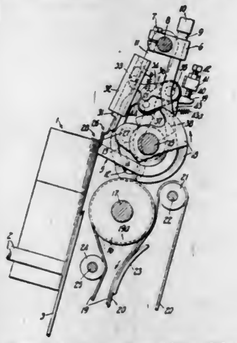
1. A nasal filter comprising a yieldingly compressible cushion body contoured and dimensioned for disposition in a nostril, said body being of angular formation in side elevation with its apex presented upwardly and having side walls relatively thick for a portion of their height and then upwardly converging into said apex and provided with a plurality of longitudinally extending minute air-passages opening upon its base and upon said side walls at a point intermediate their height.

2,241,473
CHAIR SEAT OR THE LIKE
Henry P. Nordmark, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application March 12, 1938, Serial No. 195,437
2 Claims. (Cl. 155—180)



1. A polygonal rim having a peripheral groove, and an upholstered covering secured across the rim and whose entire peripheral border is provided with a sewed-in flexible wire conforming generally to the shape of the polygonal rim but differing therefrom in that at least one length thereof is normally inwardly sprung, said wire being first inserted within the groove and thereafter secured at its meeting ends for detachably seating it within the groove to stretch the covering over said rim.

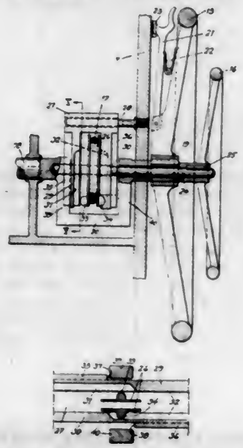
2,241,474
SHEET FEEDING MECHANISM
Abraham Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York
Application April 5, 1940, Serial No. 327,967
12 Claims. (Cl. 271—1)



1. A machine for separating blanks of sheet material individually from a stack comprising, in combination, a stack supporting member for engaging a marginal face portion of the endmost blank of the stack which is to be next separated, a suction picker having two angularly related blank-engaging faces, the first movable

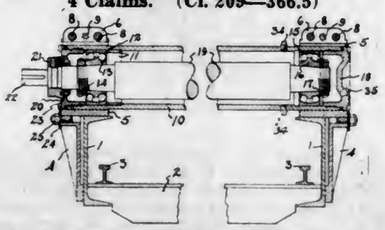
into stack supporting engagement with a submarginal portion of the endmost blank and the second for drawing a marginal portion of such supported blank into contact with itself, means for operating the picker into and out of stack supporting position, and means for operating the stack supporting member away from stack supporting position, to a position in which it does not obstruct deflection of the marginal portion of the endmost blank into engagement with the second blank-engaging face of the picker, and back to stack supporting position, all while the picker remains in stack supporting position.

2,241,475
MECHANISM FOR INSURING ENGINE CONTROL ACCORDING TO GIVEN ORDERS
Johannes Olsson, Goteborg, Sweden, assignor to Aktiebolaget Gotaverken, Goteborg, Sweden, a corporation of Sweden
Application September 16, 1939, Serial No. 295,213
In Sweden September 17, 1938
8 Claims. (Cl. 116—21)



1. A mechanism for insuring operation of an engine according to given orders comprising a movable control member adapted for operation of the engine, means for repeating received orders, and means operated by said repeating means according to repeated orders for blocking movements of said control member other than in accordance with said repeated orders.

2,241,476
VIBRATORY SCREEN
Gustave A. Overstrom, Eagle Rock, Conrad Overstrom, Pasadena, and George Overstrom, Eagle Rock, Calif.
Application August 18, 1939, Serial No. 290,726
4 Claims. (Cl. 209—366.5)



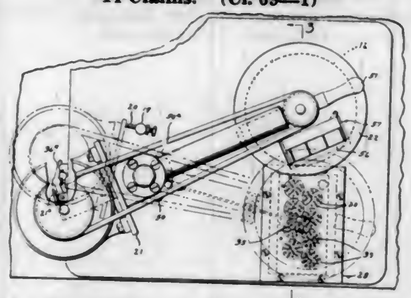
1. In a vibratory screen, the combination including a screen box, a pair of brackets mounted on said box having split collars, a vibratory unit including a tubular housing in which an unbalanced shaft is rotatably mounted, said unit being supported on said brackets in said collars, and means for drawing said collars tightly about said housing to lock it in place.

2,241,477
JAR
Chester A. Rasmussen, Long Beach, Calif., assignor of one-half to Emil J. Rasmussen, Long Beach, Calif.
Application August 14, 1940, Serial No. 352,555
9 Claims. (Cl. 255—27)



1. A jar of the character described, comprising: a tubular body having an inwardly presented slip shoulder; a radially yieldable member mounted in said body for relative movement longitudinally thereof, said yieldable member having an outwardly presented slip shoulder for cooperation with said inwardly presented slip shoulder; and a mandrel slidingly mounted in said body with said yieldable member between the body and mandrel, said mandrel having a shoulder to cooperate with said tubular body for jarring impact, an enlarged portion to prevent radial contraction of said yieldable member when the jar is set, a stop shoulder to limit longitudinal movement of said yieldable member relative to the mandrel when the jar is set, and a reduced portion to permit radial contraction of said member when the jar is released, thereby to permit resetting of the jar.

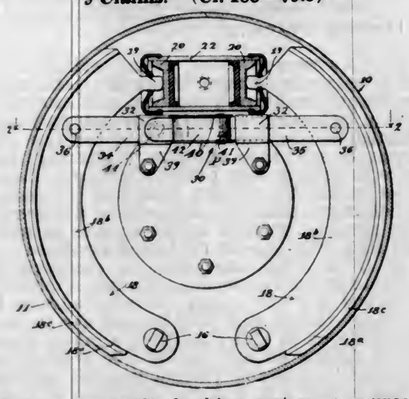
2,241,478
SKIVING MACHINE
Joseph F. Remington, Akron, Ohio
Application April 17, 1940, Serial No. 330,082
14 Claims. (Cl. 69—1)



1. A machine of the character described com-

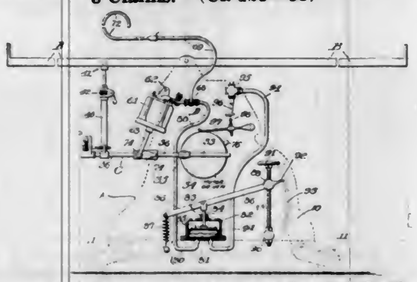
prising a matrix, suction means connected to said matrix and operable to hold a blank in fixed relation thereon, a cutter relatively movable toward and from said matrix to skive a blank positioned thereon, and means operable by movement of said cutter toward said matrix for actuating said suction means to hold the blank on the matrix.

2,241,479
BRAKE MECHANISM
Harry A. Rush, Glendale, Calif.
Application April 19, 1940, Serial No. 330,582
9 Claims. (Cl. 188—79.5)



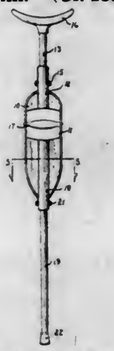
1. In a hydraulic braking system, a source of fluid pressure in communication with a plurality of wheel brakes, each of said wheel brakes comprising a non-rotatable plate and a brake drum, a cylinder having a pair of pistons secured to said plate, brake shoes pivotally connected at one end to said plate with their opposite ends engaging the pistons of said cylinder, a spring normally urging said shoes out of engagement with said brake drum, a brake shoe adjuster secured to said plate including a pair of extensible bars inter-connected to said brake shoes, and means yieldably urged so as to permit the bars frictionally clamped thereby to be automatically released in a brake applying direction and to be frictionally held in a brake releasing direction.

2,241,480
THERAPEUTIC APPLIANCE
Clarence E. Sanders, Kansas City, Kans., assignor to American Hospital Supply Corporation, Chicago, Ill., a corporation of Illinois
Application June 9, 1938, Serial No. 212,808
8 Claims. (Cl. 128—33)



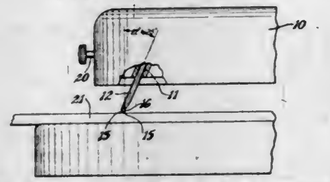
1. In apparatus of the character set forth, a bed frame mounted for reciprocal movement, means for reciprocating the same, a pressure cuff adapted to be applied to a patient while lying upon said frame, means for supplying pressure to said cuff, means for releasing the pressure from said cuff periodically, expansible means for controlling the pressure within said cuff, said expansible means being connected to said pressure release valve, and means for synchronizing the reciprocating means with the pressure releasing means whereby the pressure is periodically released at a predetermined portion of the cycle of movement of said bed frame.

2,241,481
ADJUSTABLE CRUTCH
Frank H. Schroeder, Corwith, Iowa
Application August 10, 1939, Serial No. 289,417
1 Claim. (Cl. 135—50)



In a device of the class described, a cylindrical tube, a frame member secured to the diametrically opposite sides of said tube near its lower end, each of said frame members having its marginal edge beaded and an enlarged opening adjacent its central portion extending to the beading, a handle member positioned in said opening in said frames and having its end portion secured to the beading of said frames respectively, a shaft slidably mounted in said tube and extending upwardly, a means for adjustably securing said shaft to said tube at times, a supporting rest secured to the upper end of said shaft, a second tube rigidly secured between said frame members below said opening and extending downwardly, an elongated shaft slidably mounted in said second mentioned tube and a means for adjustably securing said shaft to said second mentioned tube.

2,241,482
PHONOGRAPH NEEDLE
Emmor V. Schneider, Alliance, Ohio, assignor to Alliance Manufacturing Company, Alliance, Ohio, a corporation of Ohio
Application March 25, 1940, Serial No. 325,701
1 Claim. (Cl. 274—38)



A phonograph recording needle comprising a substantially cylindrical straight shank having

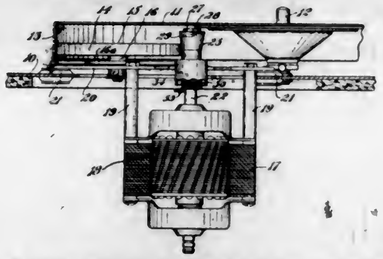
a flat front face and an end terminating in a cut-away portion forming a V-shape cutting edge below said cut-away portion and having a flat front face extending from substantially the axial center of the shank at an angle of 22° to 25° to the longitudinal axis of the shank and terminating in said cutting edge, the opposite side of the end being beveled to form sides meeting to form a sharp edge.

2,241,483

COMPENSATING TURNTABLE DRIVE

Emmor V. Schneider, Alliance, Ohio, assignor to The Alliance Manufacturing Company, Alliance, Ohio, a corporation of Ohio

Application November 18, 1940, Serial No. 366,056
14 Claims. (Cl. 74—206)



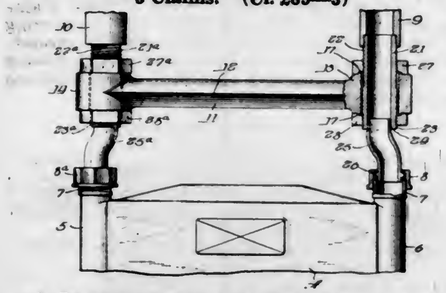
1. A phonograph turntable drive including a turntable, a motor, a shaft upon the motor, a tapered friction pulley threaded upon the motor shaft, a friction wheel normally frictionally contacting the smaller end of the tapered pulley and the turntable, and torsion spring means for moving said tapered pulley longitudinally upon the motor shaft so as to bring a larger portion of the tapered pulley into contact with the friction wheel by variations in drag upon the turntable to compensate for resultant variations in speed of the turntable.

2,241,484

METER CONNECTION

Orlin N. Sellers, Wilmette, Ill.

Application May 31, 1939, Serial No. 276,496
3 Claims. (Cl. 285—3)



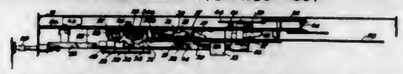
1. In a gas meter connection, the combination with a meter and service pipes leading to and away from said meter, of a pair of threaded pipe sections connected to said service pipes, a rigid horizontally disposed crossbar having complementary pipe receiving sockets extending vertically through each end of said crossbar, said sockets being provided with an opening along a wall thereof adapted to receive the said pipe sections by horizontal movement of said crossbar, and nuts carried on said pipe sections above and below said crossbar provided with annular members adapted to interlock with corresponding annular members on the ends of said crossbar to retain said crossbar in fixed position.

2,241,485

VOTING MACHINE

Ransom F. Shoup, Ardmore, Pa., assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa., a corporation of Delaware

Application February 17, 1939, Serial No. 256,872
25 Claims. (Cl. 235—55)



1. In a voting machine, a main cam bar having a longitudinal series of ratchet teeth, means for longitudinally reciprocating said cam bar, a pair of oppositely acting spring-actuated pawls adapted to co-operate with said teeth, a slide, means on said slide effective in alternate positions to render said pawls alternately inoperative, means for locking said slide in each of its alternate positions, and means actuated by said cam bar on each stroke thereof to release said slide from one of its locked positions.

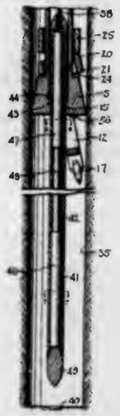
15. In a voting machine, an operating bar movable to and fro, means including a motor for actuating said bar, a slide movable between two positions, means controlled by said bar for locking said slide in either position, a motor control switch having an arm oscillatable between two positions, a rotatable ratchet member interconnected to said arm, a pair of oppositely actuating pawls adapted to co-operate with said ratchet member, a rotatable wiper coaxial with said ratchet member and adapted in each of two positions to render one pawl operative and the other pawl inoperative, and means actuated by said slide for moving said wiper between said positions.

2,241,486

DEFLECTING TOOL

Frank W. Sharp, Houston, Tex., assignor, by mesne assignments, to Sharp Deflecting Tool Company, a corporation of Texas

Application October 9, 1937, Serial No. 168,276
9 Claims. (Cl. 255—1)



1. A deflecting tool comprising a stem, a bit thereon, a deflecting member loosely slidable on said stem, means to normally hold said member deflected, said means being yieldable so that said bit may advance into alignment with the deflected member, said member including a yoke to straddle said bit.

2,241,487

CATALYTIC OXIDATION OF KETONES

Ober C. Slotterbeck, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application February 18, 1939, Serial No. 257,141
7 Claims. (Cl. 260—541)

1. Process for the catalytic oxidation of ketones which comprises subjecting a ketone corresponding to the general formula $RCOR_1$, in which R is a member of the group consisting of alkyl, cycloalkyl, aralkyl and aryl radicals and R_1 is a member of the group consisting of alkyl, cycloalkyl and aralkyl radicals, said ketone being a member of the group consisting of ketones in which R and R_1 are not connected with each other and ketones in which R and R_1 are connected with each other as members of a non-aromatic ring system, to oxidation in the liquid phase by means of a gas containing molecular oxygen, in the presence of an oxidation catalyst and of a promoter therefor comprising a basic-acting compound of a metal having an atomic weight between about 6 and 40.

2,241,488

SOLUBLE ARALKYL HALIDE RESIN

William J. Sparks, Cranford, and Donald C. Field, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 31, 1938, Serial No. 248,907
12 Claims. (Cl. 260—2)

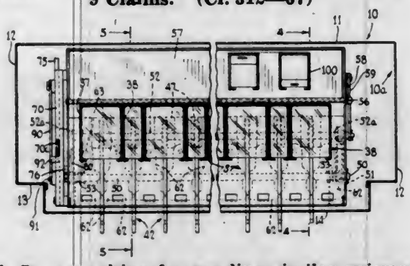
5. Process for preparing high molecular weight polymerization products comprising bringing an aralkyl halide into contact with a solution of a Friedel-Crafts catalyst in an alkyl chloride at a temperature between —45° C. and zero °C.

2,241,489

VENDING MACHINE

Louis Steiner, New York, N. Y.

Application June 28, 1938, Serial No. 216,270
9 Claims. (Cl. 312—67)



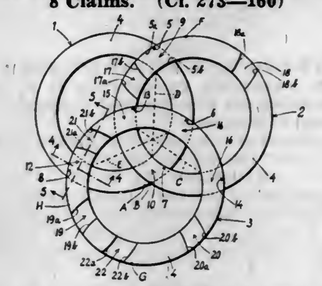
1. In a machine for vending similar prismatic packages of greater width than thickness, a row of vertical wide and narrow, contacting chutes adapted to stock said packages, said chutes being of same depth from front to rear, and open at the front, the wide chutes being somewhat wider than the packages and adapted to contain the packages stacked therein with the wide front and rear faces in horizontal position and with the top and bottom ends of the packages at the front and rear of the chutes, the narrow chutes being of somewhat greater width than the thickness of the packages and adapted to contain the packages stacked therein with the narrow side faces therein horizontal position, the top and bottom ends of the packages at the front and rear of the chutes, said narrow chutes alternating with the wide chutes, and means to dispense packages from said chutes, comprising a draw-bar mounted for horizontal sliding movement at the lower end of each chute, perpendicularly to the plane of the row of chutes, the rear ends of said bars projecting into said chutes, said draw-bars being centered relative to said chutes and equally spaced apart one from another.

2,241,490

PUZZLE

Irving Steinhardt, New York, N. Y.

Application March 30, 1939, Serial No. 264,882
8 Claims. (Cl. 273—160)



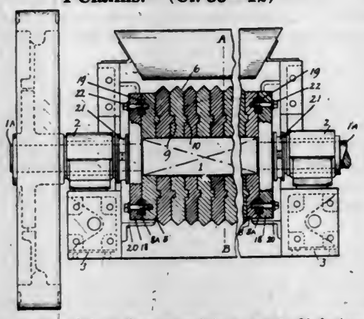
1. A puzzle of the put-together type comprising a plurality of flat puzzle pieces each of which is a ring shaped member having a radially extending peripheral rim, the rims of said members having interfitting portions in releasable engagement with each other, said pieces in the put-together positions thereof being disposed in mutually overlapping relation in the same plane.

2,241,491

MACHINE FOR DISINTEGRATING SOLID AND SEMISOLID MATERIALS

William Prosser Treloar, London, England, assignor to Ronald Alfred Gilbert and Beatrice Annette McNaught, trading as The Phoenix Supply Company, London, England

Application August 21, 1940, Serial No. 353,579
In Great Britain July 31, 1939
4 Claims. (Cl. 83—12)



1. In a machine for crushing and disintegrating solids, of the character described, the combination with a supporting frame, comprising bearings at the opposite sides thereof, of a pair of spaced aligned stub driving shafts respectively mounted in said bearings, a fixed disk upon the inner end of each of said shafts, a unit comprising a central shaft, angular in cross section and of a length to fit between said disks of the stub shafts and to lie in axial alignment with the said stub shafts, a group of disintegrating

disks mounted in assembled relation upon said central shaft section and having openings through them conforming in shape to the shape of the central shaft section to thereby be caused to rotate with said shaft section, end disks fixed upon the central shaft section to turn therewith, and removable fastenings traversing the said end disks and the fixed disks of the stub shafts by means of which fastenings the unit consisting of the disintegrating disks, the central shaft section and the end disks is supported and caused to rotate with the stub shafts, removal of said fastenings permitting said unit to pass laterally from between the fixed disks of the stub shaft with the disintegrating disks still held in assembled relation upon the central shaft section.

2,241,492

COMPRESSION-IGNITION ENGINE FUEL

Byron M. Vanderbilt, Roselle Park, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application April 4, 1939, Serial No. 265,938
6 Claims. (Cl. 44—9)

1. An improved Diesel fuel comprising a hydrocarbon fuel and dissolved therein a minor proportion of a nirtoalkyl mononitrate in a sufficient quantity to impart improved ignition qualities to the fuel.

2,241,493

PROTECTING COATING

Heinrich van Thiel, Leuna, Germany, assignor, by mesne assignments, to Walter H. Duisberg, New York, N. Y.

No Drawing. Application November 24, 1937, Serial No. 176,314. In Germany November 27, 1936
4 Claims. (Cl. 91—68)

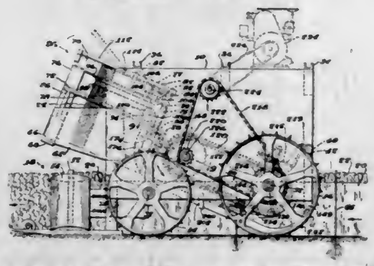
4. The process of protecting the internal surfaces of iron containers and tubes for liquid fuels which comprises applying to said surfaces a coating of hydraulic cement at most about 2 millimeters in thickness at a temperature of between about 10° and 20° C., allowing the latter to harden at temperatures of about 20° C. in an atmosphere saturated with water vapor, and then, after setting, subjecting it to a treatment with a soluble salt of fluosilicic acid which forms insoluble fluorides with the coating substance.

2,241,494

WEB APPLYING AND/OR AFFIXING MACHINE

Mario A. Volante, Newton Center, and John G. Vergobbi, Quincy, Mass.; said Vergobbi assignor to said Volante

Application July 12, 1940, Serial No. 345,168
20 Claims. (Cl. 47—3)



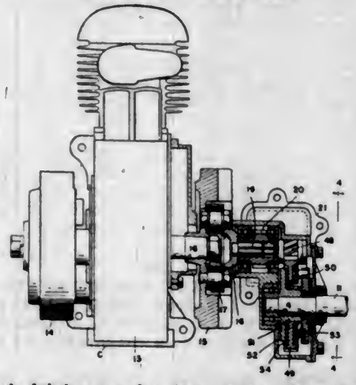
5. In a machine of the character described, the combination with portable means for applying webbing strips upon the opposite sides of a row of growing plants, of means for applying wire staples adjacent said strips at spaced intervals along said row.

2,241,495

GEARING FOR MOWING MACHINES

Robert W. Wagner, Detroit, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan

Original application January 3, 1938, Serial No. 183,176. Divided and this application June 13, 1938, Serial No. 213,477
4 Claims. (Cl. 74—11)



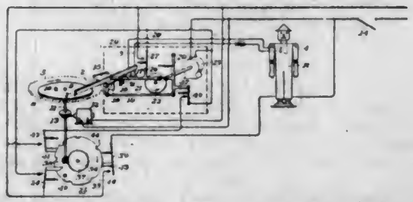
1. A driving mechanism of the class described comprising a shaft, a gear on said shaft and having a laterally extending hub portion, a driving gear meshing with the gear aforesaid, another gear meshing with and adapted to be rotated by the first mentioned gear, a shaft for the last mentioned gear, a worm on the last mentioned shaft, a gear meshing with said worm, means operable by the fourth mentioned gear for driving a ground wheel, a gear fixed to the laterally extending hub portion of the first mentioned gear, a gear meshing with the fifth mentioned gear, and means operable by the sixth mentioned gear for driving a cutter bar.

2,241,496

SOUND SYNCHRONIZING EQUIPMENT

Fred C. Wallace, Pittsburgh, Pa., assignor to Gardner Displays Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application December 14, 1938, Serial No. 245,663
3 Claims. (Cl. 274—15)



3. A display device for repeatedly producing a combined audible and visible display wherein the visible demonstration is correlated to the audible demonstration, comprising a phonograph with a turntable, a motor for driving the turntable, a record on the turntable, a pick-up arm cooperating with the record and movable during the playing of the record from an initial position to an end position, a robot having movable parts and circuits through which the movement of the parts is controlled, a circuit-closer driven synchronously with the turntable, electrically operated means for lowering the pick-up arm onto the record to initiate the playing of the record and for lifting the tone arm and returning it to starting position after the record has been played, said circuit-closing means also controlling said last-named electrically operated means, and means controlled by the circuit-closer for controlling the circuits which operate the robot parts whereby the movement of the parts of the robot are always in predetermined relation to the playing of the record.

2,241,497

WAX COMPOSITION

Jones I. Wasson, Union, and James Prophet, Jr., Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 13, 1939, Serial No. 304,119
4 Claims. (Cl. 23—250)

1. Improved wax composition comprising a petroleum wax and a small amount of tertiary butyl ether of ortho tertiary butyl para cresol.

2,241,498

METHOD OF MANUFACTURING OIL SHIELDS FOR INTERNAL COMBUSTION ENGINES

Ernest L. Wylie, St. Louis, Mo., assignor to Champ-Items Inc., St. Louis, Mo., a corporation of Missouri

Application November 25, 1940, Serial No. 366,962
4 Claims. (Cl. 123—90)



1. In combination with a valve having an upwardly directed stem biased by a surrounding spring, and an actuating member for engaging the end of the stem to depres the valve against the force of the spring; a two piece device normally resting solely upon the valve stem comprising a central metal socket member having an axial socket which extends partially therethrough, said socket being adapted to fit the valve stem nicely yet freely and to house the end thereof, lateral movement of said device being restricted only by its engagement with said valve stem, a surface of said central member opposite said socket for cooperation with the actuating member, and a metal flange projecting therefrom and mechanically secured thereto by relative deformation, said flange in its assembled relationship overhanging said spring and assuming a position closely adjacent thereto.

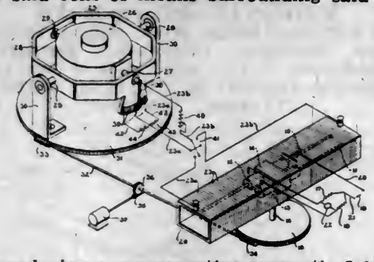
2,241,499

EARTH INDUCTOR COMPASS

Gustav Barth, Berlin, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany

Application June 6, 1939, Serial No. 277,710
In Germany June 21, 1938
8 Claims. (Cl. 33—204)

1. In a direction indicating device having coils surrounding cores of magnetically permeable material mounted upon a fixed axis relative to a craft for movement with said craft during inclinations thereof, a power supply connected with said coils for causing a periodically varying current to flow in said coils, and means for measuring changes in current flowing in said coils when the latter are angularly displaced relative to an inclined uni-directional magnetic field as a measure of said displacement, the combination with said coils of means surrounding said coils



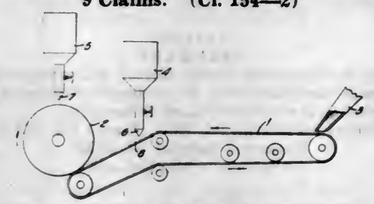
for producing a compensating magnetic field adjacent thereto, means for maintaining a reference plane angularly fixed relative to the earth, and means actuated by relative movement of said maintaining means and said craft for controlling the strength of the compensating field as a function of the angular departure of said coils from said reference plane.

2,241,500

METHOD OF MAKING FIBER PANEL BOARD

Clements Batcheller, Glens Falls, N. Y.

Application September 30, 1936, Serial No. 103,283
9 Claims. (Cl. 154—2)



1. The method of making a non-brittle, non-warping cement-fiber sheet product characterized by its impermeability, toughness and resistance to warping and buckling which comprises forming a roll having a length of circumference approximating the length and width of said sheet and comprising a plurality of layers of a plastic web of hydraulic cement and fibrous material, applying a film of liquid asphalt to said web during the roll-forming step, cutting said roll longitudinally thereof and forming a flat sheet therefrom, and thereafter subjecting said sheet to pressure sufficiently high to compress it into a dense hard product.

2,241,501

CONTAINER COVER AND SUPPORT MEANS

Lawrence G. Bates, Cleveland, Ohio

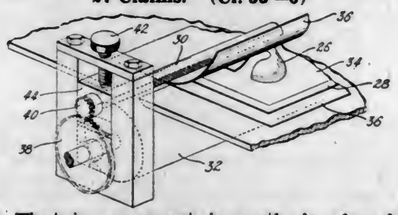
Application January 26, 1939, Serial No. 252,956
1 Claim. (Cl. 215—38)



In a device of the character described, a combined container cover and coaster having an externally raised annulus corresponding to the margin of a container opening and formed with a groove internally, a gasket in said groove, a down-turned, inwardly directed, flange on the cover external of said groove, said flange and

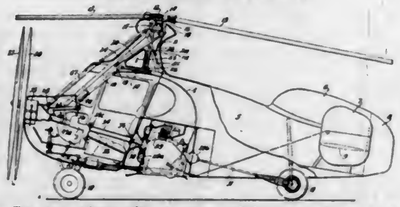
cover forming an angular space, a coil spring seated within said space, and contacting said flange and cover and a container body having its base contoured to set within said spring when the cover is inverted.

2,241,502
METHOD OF LAST SHELLING
John J. Brophy, Salem, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 12, 1940, Serial No. 318,575
27 Claims. (Cl. 33—6)



6. That improvement in methods of making patterns of shoe parts which consists in applying to a last a homogeneous flexible covering which upon being removed from the last has and tends to retain the doubly curved form of the last, embossing said shell along a line representing the edges of a shoe part of which a pattern is to be made, and subjecting said shell and a piece of impressionable pattern material to pressure between rolls whereby an impression of the embossed portion of the shell is made in the pattern material.

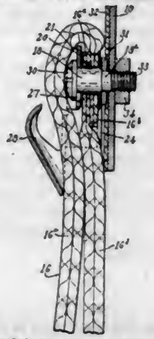
2,241,503
AIRCRAFT
Harris S. Campbell, Bryn Athyn, Pa., assignor, by mesne assignments, to Autogiro Company of America, a corporation of Delaware
Application March 20, 1937, Serial No. 131,994
Renewed August 22, 1939
9 Claims. (Cl. 244—18)



1. In an aircraft, a propulsion engine, a sustaining rotor and a propeller arranged with their centers defining a triangular figure, with the engine center appreciably below the other two centers, drive-shafting extended on one leg of said triangle between the engine and the propeller, drive-shafting extended on another leg of said triangle between the propeller and the rotor, drive means for interconnecting the propeller and the adjacent end of the first shafting, and other drive means including a clutch and gearing interconnecting the adjacent ends of said two shaftings.

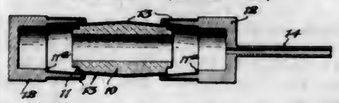
2,241,504
ASSIST LOOP
Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application June 14, 1939, Serial No. 278,996
16 Claims. (Cl. 105—354)

1. In an assist loop assembly, a strap having its extremities interconnected to form a permanently closed loop, a trim member having pas-



sageways by which it is slidably mounted on both the front and rear portions of the loop, and means for fastening said member to a support.

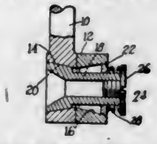
2,241,505
MANUFACTURE OF METAL TO PORCELAIN SEALS
Moses J. Cuttler, New York, N. Y.
Application August 21, 1936, Serial No. 97,289
8 Claims. (Cl. 49—81)



2. In the sealing of a ceramic of porcelain type to a ferrous metal, the process which comprises coating the exterior of a piece of such a ceramic material with a slip of a ground-coat, iron-ware enamel of borosilicate type made up with clay in a suspension, coating the inside contacting surface of a closely fitting sleeve of ferrous metal with said slip, heating the coated parts to temperatures sufficient to vitrify said enamel, then pressing the parts together while heating at temperatures sufficient to cause said vitrified coatings to soften and to fuse together, thereby producing a hermetic vitrified seal.

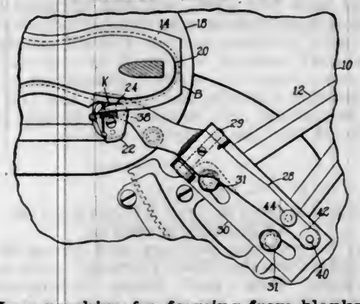
8. An article of manufacture comprising a tube of ceramic material of porcelain type having a slight external taper along at least one section, an iron tube having a corresponding internal taper closely fitting said tapered section; said iron tube being hermetically sealed to said ceramic by a thin vitrified film of a slip of a vitreous, ground-coat enamel of borosilicate type made up with clay in a suspension.

2,241,506
PIVOTAL JOINT
Andrew Eppler, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 31, 1940, Serial No. 316,647
7 Claims. (Cl. 287—14)



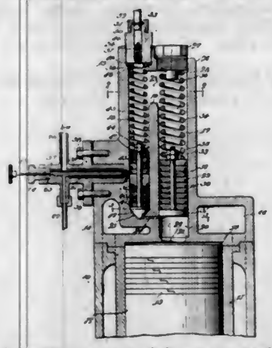
1. A pivotal joint comprising two lapped members having confronting bearing faces seated one against the other and registering frusto-conical sockets the smaller ends of which intersect said bearing faces, two telescopically related members having frusto-conical external surfaces seated in said sockets respectively and spaced one from the other to provide a take-up gap, and means arranged to act in opposite directions on said telescopically related members to take up loose play between them and the lapped members.

2,241,507
MACHINE FOR FORMING SHOE SOLES
Andrew Eppler, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 21, 1940, Serial No. 320,150
8 Claims. (Cl. 12—25)



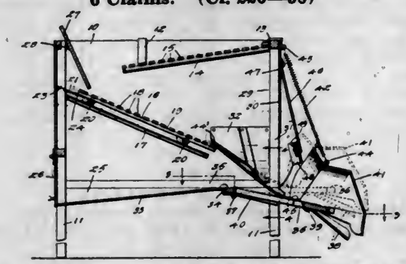
1. In a machine for forming from blanks shoe soles having beaded edges, a pattern against which a blank may be clamped, a knife-holder co-operating with the pattern, and a drag-knife fixed in the holder and provided with a cutting edge having a generally vertical portion between the upper and lower extremities of which is a depression, said knife being formed to sever the blank as the pattern and holder are moved relatively and to produce a bead projecting from the generally vertical periphery of the severed edge.

2,241,508
HYDRAULIC FUEL INJECTOR
John D. Fague, Philadelphia, Pa.
Application April 20, 1939, Serial No. 269,031
3 Claims. (Cl. 123—139)



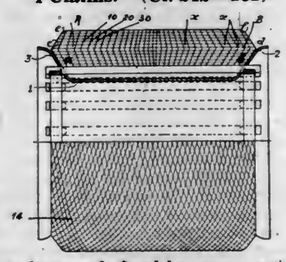
2. An injector comprising a casing having spaced parallel bores of unequal diameters, one end of the larger bore opening exteriorly of the casing, one end of the smaller bore having an essentially unrestricted communication with the larger bore at the end thereof remote from the outlet end and an essentially constricted communication with the larger bore adjacent its outlet end; a fuel supply means communicating with the smaller bore adjacent the last-mentioned end; pistons slidable in the bores, the larger piston being normally positioned to close the last-mentioned end of the smaller bore, and the smaller piston being normally positioned to permit a charge of fuel to be introduced therein; and means to supply a hydraulic fluid above the pistons, whereby movement of the larger piston away from its outlet end and in a direction to open the last-mentioned end of the smaller bore will effect displacement of the hydraulic fluid to move the smaller piston into obturating relation with the fuel supply and to force the fuel charge therein into the larger bore.

2,241,509
BAG FILLING DEVICE
Kenneth D. Graves, Ladysmith, Wis.
Application November 22, 1938, Serial No. 241,843
6 Claims. (Cl. 226—58)



1. A bag filling device comprising, a receptacle, a pair of racks supported in angular relation in said receptacle, one of said racks being movable to agitate articles in contact therewith, said receptacle having a discharge opening in an end wall thereof, a discharge trough pivotally mounted beneath said opening, means carried by said receptacle for directing articles from one of said racks onto said trough, means operatively connecting said trough with said movable rack for agitating said movable rack upon movement of said trough, and a deflecting hood attached to the free end of said trough for actuating said trough to discharge articles therefrom.

2,241,510
ARTIFICIAL SILK THREAD PACKAGE
Theodor Grauer, Horn, Thurgau, Switzerland
Application June 24, 1937, Serial No. 150,178
In Switzerland June 29, 1936
4 Claims. (Cl. 242—161)



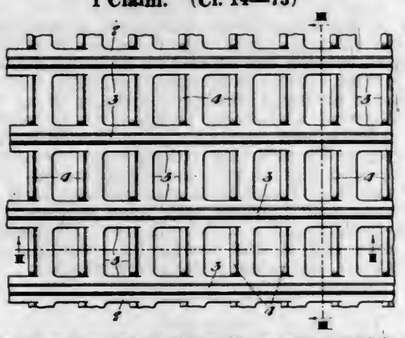
1. A package of freshly spun artificial silk thread comprising a carrier having a cylindrical portion and gradually deflected outwardly di-

rected flange portions, and a winding of artificial silk thread provided therethrough with passages in honey-comb fashion and placed around said cylindrical portion, said winding having layers gradually increasing in length in conformity with the increasing distance between the flange portions outwardly from the surface of said carrier to the periphery of the flange portions and then gradually decreasing in length to the surface of said winding, said passages being equal in number along each layer of said winding in horizontal direction and increasing in area progressively from the center of said winding toward said flange portions.

2,241,511
METHOD OF TREATING THE SURFACE OF GLASS BODIES
Joseph F. Greene, Vineland, N. J., assignor to Kimble Glass Company, Vineland, N. J., a corporation of Illinois
No Drawing. Application September 29, 1938, Serial No. 232,462
5 Claims. (Cl. 49—77)

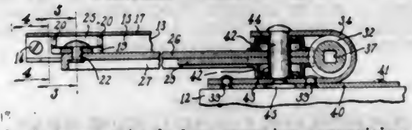
1. The method of treating the surface of glass bodies which consists in positioning the bodies in an annealing lehr, mixing with a fuel oil a material capable of forming an acid gas, thereafter igniting the fuel oil having the acid gas forming material mixed therewith, and introducing the resulting products of combustion into the lehr.

2,241,512
BRIDGE DECK OR FLOOR
Gerald G. Greulich, Mount Lebanon, Pa.
Application September 28, 1938, Serial No. 232,203
1 Claim. (Cl. 14—73)



An open bridge deck or flooring comprising a metallic plate providing integral spaced parallel continuous ribs projecting from one surface thereof, a plurality of series of transversely aligned substantially rectangular lugs disposed at right-angles to said continuous ribs, one of said lugs being disposed between each of said ribs and the next adjacent rib, each of said lugs being L-shaped in section with the foot portion thereof comprising the web of the plate and the leg portion extending at substantial right-angles thereto, the web of the plate having an aperture between each lug and the corresponding lug of the next adjacent series, the contours of the said apertures corresponding to the outlines of the leg portions of the said lugs, the ends of said lugs being spaced from the sides of the adjacent ribs, the upper edges of said ribs and said lugs terminating in substantially the same plane, whereby there is provided between the said ribs traction surfaces defined by the upper edges of the said lugs.

2,241,513
CASEMENT WINDOW OPERATOR
Gotthard Hagstrom, Westville, Conn., assignor to The H. B. Ives Company, New Haven, Conn., a corporation of Connecticut
Application April 21, 1939, Serial No. 269,107
7 Claims. (Cl. 268—119)

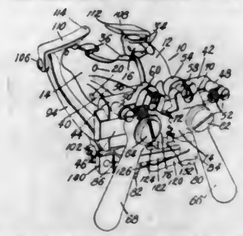


1. A casement window operator comprising an operating arm having depending side flanges for the greater part of its length and an end portion beyond said flanges of circular shape, a second arm disposed snugly between said flanges and having an end portion shaped similarly to that of said first arm, said end portions being in superposed position and having complemental gear teeth portions formed therein whereby a helical gear member is formed by said end portions, and means to prevent separation of said end portions whereby said means and the snug fit of the second arm between the flanges of the first holds said parts rigidly together.

2,241,514
PROCESS FOR THE RECOVERY OF BERYLLIUM METAL
Gustav Jaeger, Neu-Isenburg, and Alfred Rudert, Frankfort-on-the-Main, Germany, assignors to Deutsche Gold und Silber Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany, a corporation of Germany
No Drawing. Application September 18, 1939, Serial No. 295,542. In Germany August 3, 1938
4 Claims. (Cl. 75—84)

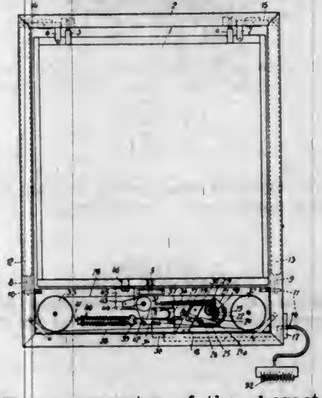
1. In a process for the recovery of beryllium from raw materials which contain beryllium compounds together with aluminum, silicon and iron compounds, the steps which comprise converting the metal compounds in such mixture into halides, subjecting such halides to a reduction to obtain elemental beryllium in admixture with other metals and then separating the accompanying metals from the elemental beryllium.

2,241,515
SOLE AND SHOE POSITIONING DEVICE
John T. Lancaster, Newton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 16, 1939, Serial No. 304,803
25 Claims. (Cl. 12—103)



1. A portable device for use in relatively positioning soles and shoes comprising means arranged to grip an end portion of a shoe prior to its assembly with an outsole and to remain in gripping engagement therewith during the sole attaching operation, spaced sole engaging members movably mounted on the shoe gripping means, and means for causing equal and opposite movement of the sole engaging members relatively to the shoe gripping means thereby to centralize a sole relatively to the bottom of the shoe held by the shoe gripping means.

2,241,516
X-RAY SECONDARY DIAPHRAGM
Sven Harald Ledin, Stockholm, Sweden, assignor to Nils Georg Schönander, Stockholm, Sweden
Application May 10, 1940, Serial No. 334,450
In Sweden October 17, 1937
18 Claims. (Cl. 250—62)



1. In X-ray apparatus of the character described, the combination of a grid capable of passing primary radiations but excluding secondary radiations, a mounting for said grid, and means for effecting movement of said grid relatively to said mounting including a heat-sensitive expansible element operatively connected to said grid and so constructed and arranged as to control the movements of the grid according to the expansion of said element when heated.

2,241,517
PIPE CONNECTION
Bolton C. Moise, Pittsburgh, Pa., assignor to National Tube Company, a corporation of New Jersey
Application November 9, 1939, Serial No. 303,688
1 Claim. (Cl. 285—193)

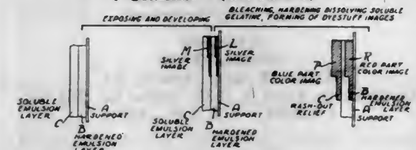


A threadless pipe connection for metallic lined pipes comprising a coupling member having an annular groove arranged around its inner wall substantially centrally thereof and a lined split resilient ring member having an inner diameter substatntially equal to that of the lined pipes to be joined arranged in the annular groove in said coupling member thereby providing a shoulder therein with the ends of said pipes being securely positioned in said coupling and abutting the ring member therein so as to provide a continuous lined inner wall throughout the joint having substantially the same inner diameter throughout the connection.

2,241,518
TUBING
John W. Offutt, Ellwood City, Pa., assignor to National Tube Company, a corporation of New Jersey
No Drawing. Application March 6, 1939, Serial No. 260,148
6 Claims. (Cl. 205—8)

1. A method of cold-reducing metal tubing, characterized by the use of a mixture of solid wax and gilsonite inside the tubing during the reducing operation as an internal support for the tubing, said mixture comprising at least 25 per cent solid wax.

2,241,519
PHOTOGRAPHIC MATERIAL
Louis Pollak, Altrincham, Cheshire, England
Application May 20, 1937, Serial No. 143,704
In Great Britain May 23, 1936
7 Claims. (Cl. 95—2)



1. Photographic material, particularly for colour photography, comprising a support and a plurality of light sensitive silver halide gelatine emulsion layers on this support one of said layers being sensitized to part of the visible spectrum, the gelatine in this layer being so hardened as to be substantially insoluble in warm water, while in another of said layers, sensitized to another part of the spectrum, the gelatine is soluble in warm water and the silver halide content is smaller than in said first-mentioned layer so as to permit after normal exposure only the formation of a weak silver image by a developing treatment which produces a strong silver image in said first-mentioned layer, these two layers being attached in superimposed relation on one side of said support with the soluble layer outermost, and a colour forming substance in said soluble layer enabling the formation of an image, in a colour substantially complementary to the part of the spectrum to which this soluble layer is sensitized.

2,241,520
VITREOUS ENAMEL
Victor Hawthorne Remington and Ray Andrews, Washington, Pa., assignors to B. F. Drakenfeld & Co. Inc., New York, N. Y., a corporation of New York
No Drawing. Application June 11, 1936, Serial No. 84,772
1 Claim. (Cl. 106—36.2)

A vitreous enamel containing approximately 63% lead oxide; 31 to 33% silica; between 3 and 4% boric oxide; and approximately 1½% sodium oxide.

2,241,521
AIRPLANE
Paul Aimé Richard, Clichy, France
Application October 15, 1938, Serial No. 235,269
In Luxemburg October 20, 1937
11 Claims. (Cl. 244—45)

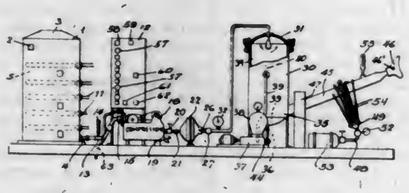
1. An airplane comprising a plurality of sustaining members of air-foil action in vertical section one arranged above and in front of another, the front end of the aft member being at least

substantially as far forward as the rear end of the front member, to form a generally horizontal passage therebetween, connecting members of air-foil section in vertical section connecting said sustaining members together, said sustaining



members lying within the transverse projections of said connecting members, and a propeller mounted in substantially horizontal alignment with such passage to propel air through such passage, said propeller being vertically aligned with at least one of said sustaining members.

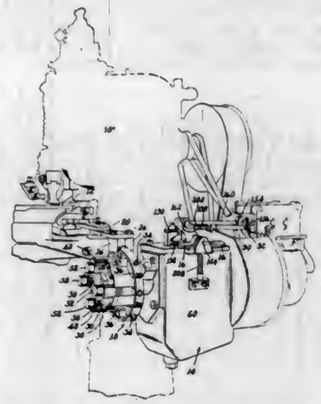
2,241,522
INHALATOR
Blaine M. Rice, Apollo, Pa.
Application April 9, 1938, Serial No. 201,167
1 Claim. (Cl. 128—209)



A receptacle for vapor under pressure, a conducting pipe of relatively large diameter leading from said receptacle and provided with an inhalator at its free extremity, a gas supply tank, a manifold having valved connection with said tank, said valve connection comprising a valve at one end of the tank, a pipe leading from said valve and having a threaded end extending into said manifold and provided with a cap having a small perforation affording admission of gas to the manifold, said manifold having a flat head against which the entering gas strikes whereby substantially even pressure is maintained in the manifold, and a series of relatively small diameter tubes connecting said manifold to the conducting pipe between the inhalator and the receptacle, said tubes opening into the pipe at separate individually spaced points relative to the axis of the pipe.

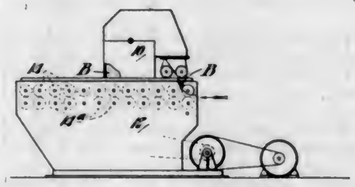
2,241,523
SHOE MACHINE
Fred Ricks and Frank Coleman Choice, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application January 31, 1940, Serial No. 316,480
In Great Britain February 18, 1939
27 Claims. (Cl. 12—27)

1. In a machine for operating upon sole members having a work support and an edge gage associated with the work support, an edge gage shifting lever, an adjustable cam for operating said shifting lever, power operated means for rotating said cam, and control means for said power operated means arranged automatically to stop



the power operated means after the cam is rotated through a portion of a revolution.

2,241,524
BRANNER ROLL
Howard C. Rodgers, Birmingham, Ala.
Application October 7, 1939, Serial No. 298,475
3 Claims. (Cl. 51—190)

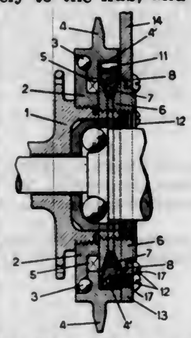


1. Apparatus of the character described, including a receptacle containing a polishing medium, a roll arranged to have a portion thereof immersed in such medium, said roll being characterized by the provision of a substantially cylindrical surface with a multiplicity of exposed cavities adapted to pick up the medium and apply it with a rubbing action to the surface of a sheet to be cleaned or polished.

2,241,525
BACKPEDALING BRAKE DEVICE
Georges Roés, Paris, France, assignor to Robert Frenkel, Paris, France
Application December 6, 1938, Serial No. 244,299
In France December 10, 1937
7 Claims. (Cl. 192—6)

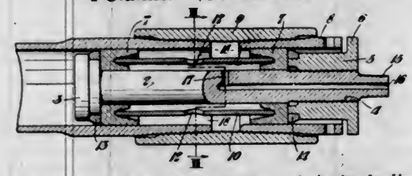
1. A backpedaling brake device for bicycles or like vehicles, comprising in combination, a ring secured to the wheel hub, an annular groove of cuneiform cross-section in said ring, a plurality of segments arranged about the periphery of said ring, the cross-section of said segments at the end thereof facing the axis of the hub being of the same cuneiform shape as that of said groove, said segments having recesses at the opposite end which form slopes, displaceable members adapted to co-operate with said slopes, resilient means interposed between the ends of said segments for normally holding same spaced

apart, means for locking said segments against rotation relatively to the hub, and means made



operative by backpedaling for moving said displaceable members along said slopes.

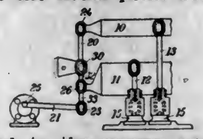
2,241,526
PIPE JOINT TESTER
Max Rosenkranz, Bethel Township, Allegheny County, Pa., assignor to National Tube Company, a corporation of New Jersey
Application September 12, 1939, Serial No. 294,565
4 Claims. (Cl. 138—90)



3. Apparatus for testing pipe joints including, in combination, a longitudinally extending cylindrical body member adapted to be arranged within the pipe at the joint having a flange arranged on one end thereof and an exteriorly threaded portion arranged on the opposite end thereof, an interiorly threaded adjustable collar arranged on the exteriorly threaded end portion of the cylindrical body member, a pair of spaced apart annular pliable sealing members arranged around said cylindrical body member between the flange and collar with one disposed to either side of the joint, said collar adapted to be adjusted on the cylindrical body member whereby the annular sealing members are forced outwardly so that the apparatus is held securely in the pipe opposite the joint at the start of the testing operation, and means for introducing a testing fluid under pressure into and through said cylindrical body member whereby said testing fluid is adapted to expand and force said annular sealing members outwardly against the inner walls of the pipe to seal the joint and simultaneously to test the same.

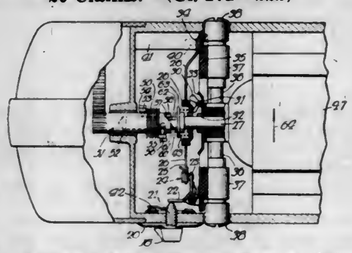
2,241,527
OSCILLATING MECHANICAL SYSTEM FOR THE TRANSMISSION OF POWER
Georg Heinrich Schieferstein, Finowfurt, near Eberswalde, Germany
Application December 13, 1938, Serial No. 245,447
In Germany December 6, 1937
2 Claims. (Cl. 74—61)

1. An oscillating mechanical system for the transmission of power, comprising a stationary base, two masses suspended for substantially parallel oscillations relative to said base, a prime mover mounted on said base, and a loose coupling between said prime mover and said masses, said coupling including two power transmitting oscillating joints in the form of resilient members secured to said two masses, respectively, a third power transmitting oscillating joint in the form of a resilient member, means to connect said third joint with said prime mover, and a lever arm connecting the three oscillating joints, in which said third oscillating joint is disposed on said lever at the nodal point between the two



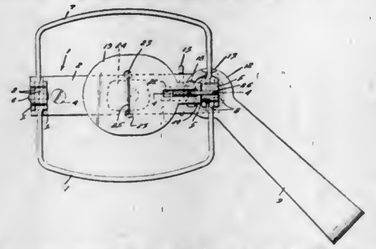
joints secured to the masses and spaced from each of said joints a distance inversely proportional to the weight of the corresponding mass, said means to connect said third joint with the prime mover including a second lever arm having one end connected to said third joint and carrying on its other end a fourth power transmitting oscillating joint in the form of a resilient member connected to the prime mover.

2,241,528
FOOD MIXER GOVERNOR
Alfred Strauss and Watson D. Harbaugh, Chicago, Ill., assignors to A. F. Dormeyer Mfg. Co., a corporation of Illinois
Application January 10, 1940, Serial No. 313,260
20 Claims. (Cl. 171—222)



1. In a motor driven food mixer, a drive and driven shaft, torsion means connecting the shafts in drive relationship and responsive to torque differentials between the shafts, speed control means associated with said torsion means and cooperative therewith to vary the speed of the motor in relation to the torque differentials.

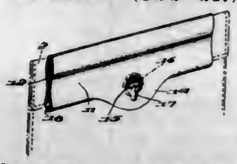
2,241,529
ANIMAL TRAP
Andrew A. Taylor, Petersburg, Territory of Alaska, assignor of one-half to Charles A. J. Lindstrom, La Conner, Wash.
Application January 22, 1941, Serial No. 375,495
4 Claims. (Cl. 43—88)



1. A trap comprising a frame including superposed, comparatively short and long upper and lower bars secured together, said bars terminating in upturned end portions constituting pairs of spaced, aligned ears, a pair of coacting jaws

pivotally mounted between the pairs of ears, resilient means for closing said jaws, and trigger means operable by an animal for releasably securing the jaws in open position.

2,241,530
POCKET PROTECTOR
Yaroslav Veynar, Knoxville, Tenn.
Application October 13, 1938, Serial No. 234,820
4 Claims. (Cl. 2—247)



2. A pocket protector comprising a strip of material folded upon itself to form sides for embracing an edge of a pocket, said sides having inturned free edges normally in overlapping relation and serrated to engage material to hold the protector in place thereon, both of said sides having longitudinal convex upper portions and longitudinal concave intermediate portions above said serrated edges, the front side of said protector having an enlarged opening approximately midway of the length thereof and below the upper edge of a sufficient size and in position to receive therethrough a pocket button.

2,241,531
INSTRUMENT OIL
Peter J. Wiezevich, Elizabeth, N. J., now by judicial change of name to Peter J. Gaylor, assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 15, 1936, Serial No. 90,725
4 Claims. (Cl. 252—53)

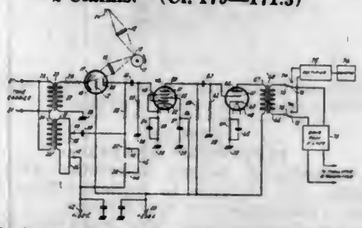
1. Method of lubricating bearings of small, delicate machinery, without corrosion of bearing metals over periods of time, comprising applying to such bearings a lubricant consisting essentially of tricresyl phosphate.

2,241,532
BRIDGING PLUG SLIP MEANS
Charles H. Barnes, Glendale, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application January 22, 1940, Serial No. 315,045
5 Claims. (Cl. 166—13)



1. A bridging plug comprising: a packing sleeve; cone and slip means on opposite sides of said packing sleeve and engageable therewith to deform said packing sleeve into sealing contact with a surrounding casing; and means incorporated with each of said slips and forming expansible arcuately overlapping abutments for limiting axial flow of said packing sleeve.

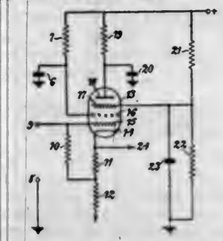
2,241,533
ELECTRONIC CIRCUIT
Warren H. Bliss, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 31, 1938, Serial No. 227,643
2 Claims. (Cl. 179—171.5)



1. A transmission system comprising a light converting device including a photoelectric element, a secondary electron emission output electrode and an intermediate accelerating and collecting electrode, a source of carrier frequency energy, a source of light energy, means for energizing the photoelectric element by said light energy, means for applying the carrier frequency energy between the photoelectric element and a point of fixed potential, means for maintaining said output electrode and said intermediate electrode positive with respect to said point of fixed potential whereby the carrier frequency energy present at the output electrode is modulated by secondary electron emission in accordance with the intensity of the energizing light energy, a load circuit connected to receive the modulated output, a compensating network including the output electrode and the collecting electrode of said light converting device, means for supplying to the compensating network a predetermined amplitude of unmodulated carrier frequency energy, and means for controlling the phase and amplitude of the compensating energy supplied to the compensating network so as to neutralize the capacity current flowing between the photoelectric element and the secondary emission output electrode of the light converting device whereby the output of the device to the load circuit may be reduced to substantially zero when no light energy is projected on the photoelectric element.

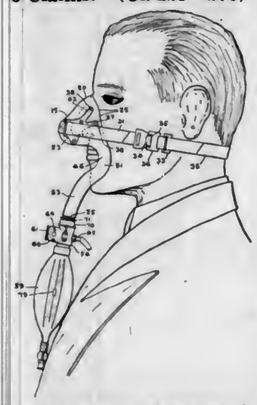
2,241,534
THERMIONIC VALVE CIRCUIT
Alan Dower Blumlein, Ealing, London, and Eric Lawrence Casling White, Hillingdon, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application November 7, 1938, Serial No. 239,373
In Great Britain November 6, 1937
3 Claims. (Cl. 179—171)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. A high frequency amplifier comprising an electronic tube including a cathode, a control electrode, a screen electrode, a suppressor electrode, and an anode, a source of potential having positive and negative terminals, a resistance for connecting the cathode to the negative terminal of the source of potential, a grid resistance for connecting the control electrode to a point along said first named resistance, a load impedance for connecting the anode to the positive terminal of said source of potential, means for maintaining said screen electrode positive with respect to said cathode, a potentiometer connected across said source of potential, means for connecting said



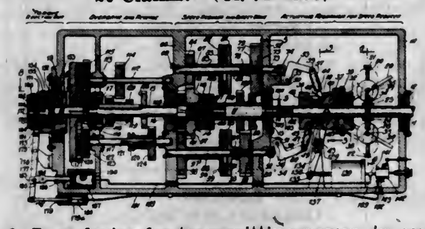
suppressor electrode to a point along said potentiometer such that the potential of the suppressor electrode may be equal to the average potential of the cathode, means for impressing an input signal upon the control electrode, and an output circuit whereby input signals of high frequency will be amplified by the tube in an amount substantially equal to the amplification of low frequency input signals.

2,241,535
APPARATUS FOR DELIVERING AND PERMITTING NORMAL BREATHING OF MIXTURES OF GASES
Walter M. Boothby, Arthur H. Bulbulian, and William R. Lovelace, Rochester, Minn.
Application July 28, 1939, Serial No. 287,086
3 Claims. (Cl. 128—206)



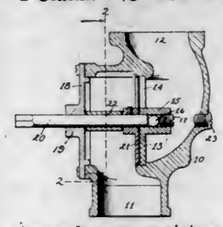
1. A nasal mask comprising a semi-rigid casing wherein is an open-sided chamber for receiving the nose of the wearer, said chamber being extended downwardly and spread laterally and bulged outwardly so that when worn there will be a substantial free space between the inner walls of the chamber and the ends of the nostrils and about the alae nasi, the marginal and contacting parts of said chamber formed to comfortably fit the face and seal the chamber when the mask is worn, and tubes extending downwardly and divergingly from the lower corners of said free space to form passages which are substantially in direct communication with and an extension of the nostril passages, said tubes being curved rearwardly and then forwardly with respect to the frontal plane of the face when worn, so as to engage the face of the wearer at the sides of the mouth to aid in holding the mask comfortably in position.

2,241,536
TRANSMISSION
William C. Braden, Brooklyn, N. Y., assignor of one-half to Thomas S. Pates, Brooklyn, N. Y.
Application July 29, 1938, Serial No. 221,942
20 Claims. (Cl. 74—336)



1. In a device for transmitting power, in combination, driving and driven shafts, a clutch, a spring opposing actuation of said clutch, speed reduction apparatus interposable between said shafts upon actuation of said clutch, a lever adapted upon rotation about its fulcrum to actuate said clutch and to compress said spring, a compression member pivotally secured to said lever at a point removed from the fulcrum thereof, and an actuator engaging the free end of said member and movable in a rectilinear path adapted on preliminary traverse in either direction to rotate said lever through said compression member in a direction tending progressively to actuate said clutch and to compress said spring and, on further traverse in the same direction, to release said lever substantially instantaneously for rotation under the influence of said spring to permit said clutch to disengage.

2,241,537
CARBURETOR VALVE
Herman W. Buboltz, Lewis, Iowa
Application April 22, 1939, Serial No. 269,504
1 Claim. (Cl. 251—84)



A carburetor valve, comprising a valve casing formed with a valve stem bearing, a stationary valve member having radial disc-shaped valve passageways and being fixed in position within the valve casing, a tubular valve stem bearing integral with the said valve member and extended outwardly therefrom, a set screw and a bearing ball in said valve stem bearing, a rotary valve stem mounted in the bearing of the casing and having one end projected into the tubular valve stem bearing of the stationary valve member into engagement with said bearing ball, and a disc-shaped valve member having radial valve passageways fixed to the valve stem against movement longitudinally of the valve stem, and where-

by adjustment of said set screw and bearing ball will hold the movable valve member in spaced apart position relative to the stationary valve member and prevent tilting movement of the movable valve member relative to the stationary valve member.

2,241,538
PLASTIC COMPOSITION

William I. Buckeridge, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

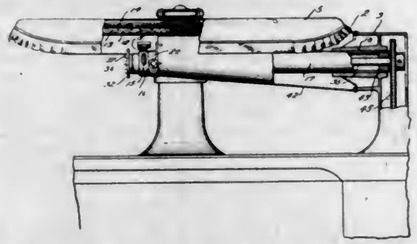
No Drawing. Application January 28, 1938, Serial No. 187,402
10 Claims. (Cl. 260—28)

1. A new molded composition of matter comprising a resin, a filler and an extract obtained by the solvent extraction of petroleum lubricating oils with beta-beta'-dichlorethyl ether, said extract being characterized by a low iodine value.

2,241,539
IRONING MACHINE

John A. Castricone, Peoria, Ill., assignor to Altorfer Brothers Company, Peoria, Ill., a corporation of Illinois

Application July 17, 1937, Serial No. 154,275
9 Claims. (Cl. 38—38)



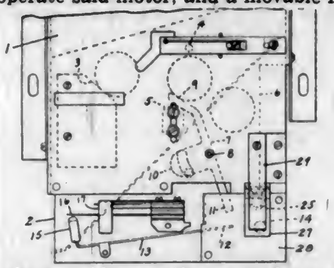
1. In an ironing machine, a support, a sleeve rigidly secured by one of its ends to said support, the other end of said sleeve being unsupported, a shaft rotatably supported in said sleeve, an arm secured to and projecting transversely of the axis of said sleeve adjacent to said other end, an ironing bed supporting member mounted on said sleeve between said arm and the adjacent end of said sleeve, a rocker arm pivotally secured intermediate its ends to said bed supporting member at a place spaced from said sleeve and upon an axis substantially parallel to the axis of said shaft, means on said arm providing a fixed pivot for one end of said rocker arm, said end of said rocker arm being pivoted upon said fixed pivot, a crank arm secured to said shaft and operatively associated with the other end of said rocker arm, and means for rocking said shaft.

2,241,540
ATTACHMENT TO ELECTRICALLY OPERATED COIN CONTROLLED APPARATUS

Ernest E. Casey, Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a corporation of Illinois

Application August 22, 1938, Serial No. 226,014
7 Claims. (Cl. 194—10)

1. In a vending machine operated by an electric motor having a cam actuated thereby, the motor being controlled by a coin receiving mechanism including a coin chute, a normally open switch in the motor circuit having an operating arm, a retractable stop mounted on said mechanism in the path of a deposited coin for co-operation with the operating arm of said switch to trap said coin, the pressure of said coin moving the operating arm to close said switch and thereby to operate said motor, and a movable rod dis-

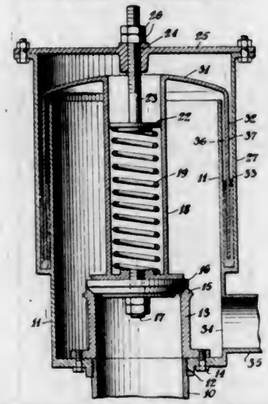


posed above said operating arm for extension through said coin chute and actuated by said cam during the operation of said motor to retract said stop thereby releasing said coin, said rod moving into the path of a second coin prior to the release of said first coin.

2,241,541
PULSATOR AND THE LIKE

George C. Crangle, San Francisco, Calif.

Application August 20, 1938, Serial No. 225,883
5 Claims. (Cl. 259—1)



1. In a pulsator apparatus, an annular receptacle having spaced apart substantially concentric walls, a bell having its side wall between the walls of the annular receptacle, means for effecting a relative movement of the bell and the receptacle in one direction by applying pressure under the bell, means including a return spring to effect relative movement of the receptacle and the bell in the opposite direction, a valve closure rigid with the bell cooperating with a stationary valve seat, and mercury in the annular receptacle in sufficient quantity to yieldingly seal the mouth of the bell during said relative movements.

2,241,542
MANUFACTURE OF NITROGEN DERIVATIVES OF CELLULOSE

Henry Dreyfus, London, England

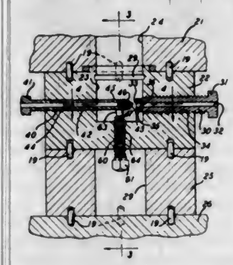
No Drawing. Application January 30, 1940, Serial No. 316,369. In Great Britain January 26, 1939
15 Claims. (Cl. 260—212)

1. Process for the production of cellulose derivatives containing nitrogen, which comprises subjecting a substitution derivative of cellulose, which contains an aryl-sulphonyl radicle, to the action of a compound containing at least two basic nitrogen atoms which are separated by a chain of at least three atoms.

2,241,543
EXTRUSION APPARATUS

Louis S. Deitz, Jr., Westfield, N. J., assignor to Nassau Smelting & Refining Company, Incorporated, New York, N. Y., a corporation of New York

Application February 1, 1939, Serial No. 254,079
4 Claims. (Cl. 207—4)



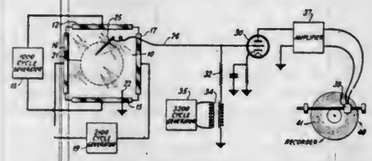
1. An apparatus for extruding material comprising a die block formed with an extrusion chamber, material forming means positioned in the chamber, an adjusting screw passing through the floor of the chamber to adjust the position of the material forming means and protruding from the under side of the die block, and a pillow block to support the die block formed with a recess to receive and give access to the adjusting screw.

3. In an article forming apparatus, a body having a chamber therein, a ram for forcing material into said chamber and means for effecting relative movement between said body and said ram, said chamber being provided with a groove into which material forced into the chamber enters to form a key which prevents material from being withdrawn from the chamber by suction when the body and the ram are separated.

2,241,544
VISUAL SIGNAL RECORDER

John F. Dreyer, Jr., Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application May 18, 1938, Serial No. 208,726
6 Claims. (Cl. 178—6.6)

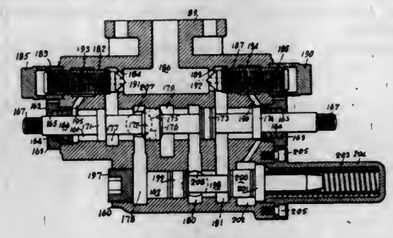


1. A system for recording and reproducing movements of a stylus comprising a foil of conducting material, means for impressing a first alternating current frequency across said foil, means for impressing a second alternating current frequency across said foil in a direction normal to the direction in which the first frequency is impressed, a movable and a fixed contact associated with said foil whereby the potentials of the two frequencies present at said contacts will depend upon the position of said movable contact on said foil, a third alternating current frequency, means for suppressing said third frequency when said first and second frequencies are present, means for permanently recording all of said frequencies on a record medium, a cathode ray tube including means for developing a cathode ray beam, means for controlling the intensity of the developed beam and a fluorescent screen responsive to the presence of the beam, means for deflecting the cathode ray beam in mutually perpendicular directions, and means responsive to the intensities of the recorded frequencies on the record medium for controlling the deflections and intensity of the cathode ray beam to reproduce on the fluorescent screen the movements of the movable contact over the foil.

2,241,545
VALVE

Walter Ernst, Mount Gilead, Ohio, assignor to The Hydraulic Press Corp. Inc., Wilmington, Del., a corporation of Delaware

Original application August 5, 1935, Serial No. 34,652, now Patent No. 2,190,939, dated February 20, 1940. Divided and this application January 15, 1938, Serial No. 185,183
8 Claims. (Cl. 121—46.5)



1. In a valve for regulating a hydraulic circuit including a main cylinder, a casing having fluid intake and exhaust ports and two machine-operating ports, and a pair of bores with interconnecting passageways; a reversing valve member in one bore movable into a plurality of positions relatively to said ports including a machine-reversing position for directing fluid from said intake port to one of said operating ports while directing fluid from the other operating port to said exhaust port, and a by-pass valve member in the other bore rendered operative in response to the setting of said reversing valve member in said machine-reversing position and movable in response to the attainment of a predetermined main cylinder pressure for by-passing the fluid from said intake port to said exhaust port during the duration of said predetermined pressure.

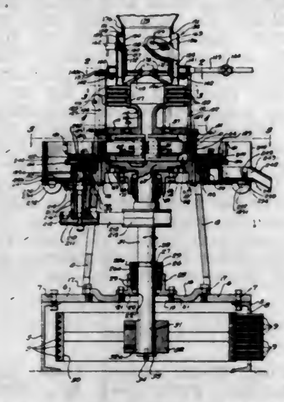
2,241,546
PELLET MACHINE

Sydney T. Evenstad, Alhambra, and William Howard Clapp and William F. MacGlashan, Jr., Pasadena, Calif.

Application November 12, 1938, Serial No. 240,108
10 Claims. (Cl. 107—8)

1. In a device of the class described having a stationary die ring member with material molding orifices extending from its inner face to its outer face, an impacting element comprising spaced pairs of parallel mounting plates, a spacer pin for spacing apart the plates of each pair, an impacting roller rotatably mounted be-

tween each pair of plates, an adjustment screw cooperating with said spacer pins to move said

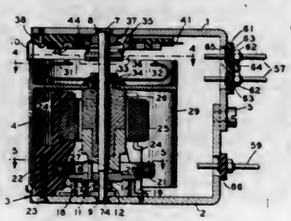


spaced pairs of plates towards and away from each other.

2,241,547
COLD METAL WORKING OIL
George W. Flint, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application March 17, 1938, Serial No. 196,365. Renewed May 13, 1940
11 Claims. (Cl. 80—60)

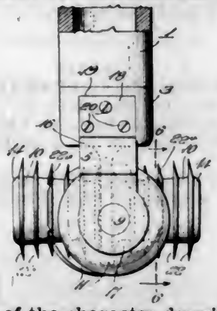
1. A lubricant adapted for the cold working of metals which comprises a mineral oil normally unsuitable for the cold working of metals and a naphthenic acid in an amount sufficient to render said mineral oil suitable for the cold working of said metals.

2,241,548
INDICATING DEVICE
Ernest Frischknecht, Jackson Heights, N. Y., assignor to The Teleregister Corporation, New York, N. Y., a corporation of Maryland
Application March 26, 1938, Serial No. 198,222
11 Claims. (Cl. 177—337)



3. A device for indicating any one of a plurality of characters comprising a frame having an upper and lower portion, means for detachably securing said portions of the frame together, electromagnetic means including slip connections for operating the device secured to the lower portion of the frame, means including a plurality of slip connections secured to the upper portion of the frame operable in accordance with the setting of the device and means for automatically indicating the setting of the device at a remote point under control of said plurality of slip connections without changing the setting of the device.

2,241,549
ROTARY BIT
John W. Hatcher, Sr., Oildale, Calif.
Application February 6, 1940, Serial No. 317,601
5 Claims. (Cl. 255—71)



1. In a drill of the character described, a head adapted to be carried by a drill rod, an arm extending downwardly from said head, a cross head at the lower end of said arm, brackets carried by said head and extending downwardly from opposite sides thereof and provided with collars at their lower ends, axles extending from opposite sides of the cross head out of alinement with each other, other axles extending from opposite ends of the cross head out of alinement with each other and disposed at an upward incline with their outer end engaged through said collars, cutters rotatably mounted about said axles and having circumferentially extending cutting disks, means at the outer ends of the first mentioned axles for holding the cutters thereon, and said body being formed with passages over the cutters for discharge of drilling fluid downwardly onto the cutters.

2,241,550
HIGH ANGLE WELL SURVEYING INSTRUMENT
Ralph E. Hendrickson, Glendale, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application July 24, 1939, Serial No. 286,201
3 Claims. (Cl. 33—205.5)



1. A surveying instrument comprising: a drum shaped inclination unit journaled about a horizontal axis, one side of said unit being cut away to form a pair of bands bearing inclination indicia, and the other side being weighted, whereby said bands tend to remain on the upper side of the unit; a gimbal frame including horizontal mounting means for said journals and vertically disposed mounting means; coacting supports for the vertical mounting means, the upper support being skeletonized to expose said bands; the relationship of said skeletonized supports and said bands being such that at least one of said bands is visible through said skeletonized supports for photographic recording; a reference hair cooperating with said inclination indicia and offset from the vertical axis of said gimbal frame; and a compass unit mounted within said inclination unit, said compass unit including a compass-bearing indicia element positioned approximately in the focal plane of said reference hair.

2,241,551
CUSHION CONSTRUCTION
Henry Hopkes, Grosse Pointe, Mich., assignor to No-Sag Spring Company, Detroit, Mich., a corporation of Michigan
Application November 9, 1936, Serial No. 109,897
2 Claims. (Cl. 155—179)



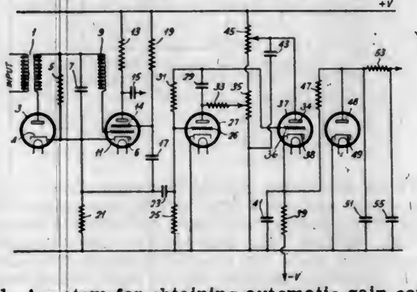
2. A seat embodying a border element of U-shape having portions at the open end extending downwardly forming supports, spring elements spanning the sides of said border element and retained thereby to form a spring surface having an unobstructed front edge, a brace extending below said border element and secured to the side portions thereof to provide rigidity thereto, and a tacking frame to which said downwardly projecting portions of the border element and the bracing element are secured.

2,241,552
DAY BED
Henry Hopkes, Grosse Pointe, Mich., assignor to No-Sag Spring Company, Detroit, Mich., a corporation of Michigan
Application January 29, 1938, Serial No. 187,587
4 Claims. (Cl. 5—18)



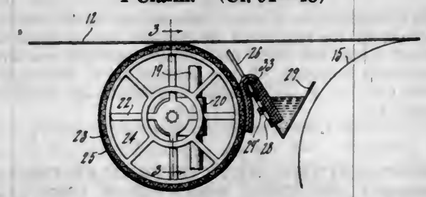
1. A day bed comprising separable frame elements, the main frame element having legs, the slidable frame element having legs only on the forward side thereof, cross braces interconnecting the longitudinal sides of each of said frames, the rear longitudinal side of the slidable frame resting upon the cross brace of the main frame while the front side of the main frame rests upon the cross braces of the slidable frame, and spring elements interconnecting the longitudinal sides of each of said units.

2,241,553
TELEVISION SYSTEM
Heinz Erwin Kallmann, Ealing, London, and Rolf Edmund Spencer, West Ealing, London, England, assignors to Electric & Musical Industries, Limited, Hayes, Middlesex, England, a corporation of Great Britain
Application September 9, 1937, Serial No. 163,014
In Great Britain September 30, 1936
6 Claims. (Cl. 178—7.3)



1. A system for obtaining automatic gain control potentials in a television receiver designed to receive a stabilized carrier transmission modulated by a series of picture and synchronizing signals comprising means for demodulating the received carrier to produce a series of detected picture and synchronizing signals with the synchronizing signals extending in the direction of and beyond black in the picture signals, means responsive to the synchronizing signals only to superimpose upon the demodulated signals impulses of such amplitude and phase as to reduce the amplitude of the synchronizing signals to such an extent that one extreme potential of the resultant signals corresponds to black or minimum picture signal level, and means to produce automatic gain control potentials from the minimum picture signal level of the resultant signals.

2,241,554
APPARATUS FOR MANUFACTURING PAPER
Frank J. Lang, Niagara Falls, and Frank Adlai Walker, Tonawanda, N. Y.; said Lang assignor to International Paper Company, a corporation of New York
Application December 23, 1937, Serial No. 181,286
1 Claim. (Cl. 91—48)

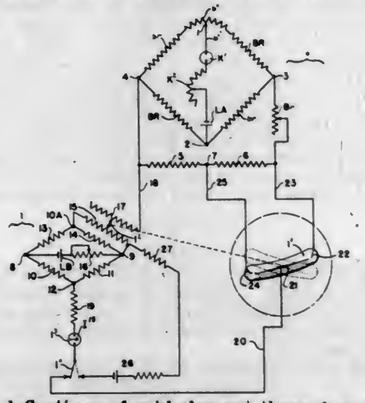


A device for correcting localized deficiencies of liquid content occurring across the width of a moving web which comprises a rotatable roll in contact with said web and driven thereby, a container, means to maintain a supply of liquid in said container, and a series of individually removable wicks for transferring liquid from said supply to said roll, said series of wicks having an aggregate width equal to the width of said web whereby variations may be produced across the width of said web by the removal of one or more wicks.

2,241,555
GAS ANALYSIS APPARATUS
Anker E. Krogh and Joseph P. Vollrath, Philadelphia, Pa., assignors to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 22, 1937, Serial No. 144,288
13 Claims. (Cl. 73—51)

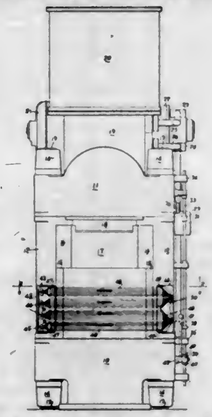
3. Measuring means for determining the comparison of a controlled furnace atmosphere formed by the gaseous resultant of the more or less complete combustion of air and a fuel gas, comprising in combination a measuring circuit including test and standard cell resistors for creating a potential difference varying in accordance with changes in the thermal conductivity of said atmosphere, an element adapted to deflect in accordance with changes in said potential difference, and adjustment means including a switch mechanism operated by the deflection of said element through an intermediate portion of its range of deflection for adjusting said measuring means into one or the other of two operating conditions, accordingly as said element moves in one direction or the other through said intermediate position, said measuring means being operable when in one of its conditions, to effect deflection of said element through a sub-

stantial portion of its total range of deflection on a thermal conductivity change corresponding to an increase in the CO_2 content of said atmosphere from zero to approximately 14% and being operable in the second of said conditions to



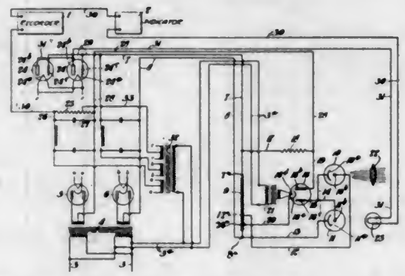
effect deflections of said element through second portion of its range of deflection of no greater extent than the first mentioned portion, as the hydrogen content of the atmosphere increases from zero to a percentage substantially greater than 14%.

2,241,556
PHOTOELECTRICALLY CONTROLLED PRESS
Howard F. MacMillin, Mount Gilead, Ohio, and Reider Thoreson, Birmingham, Mich., assignors to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware
Application June 20, 1938, Serial No. 214,852
5 Claims. (Cl. 192—130)



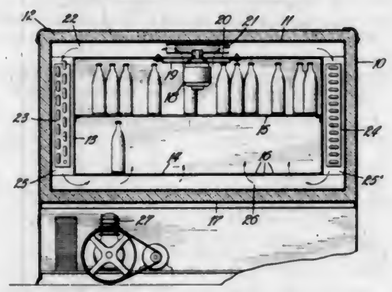
1. In a press control system for a hydraulic press, a reciprocable platen, a hydraulic motor for moving said platen in the forward and reverse directions, a reversible variable delivery pump having a pump flow-controller therein, an electrical control circuit for controlling the actuation of said platen-moving means and including electromagnetic means connected to said flow-controller for automatically shifting said flow-controller to control the motion of said hydraulic motor and platen in response to the attainment of predetermined conditions during the power driven working and power driven return strokes of said platen for effecting completely automatic operation of said platen, a photoelectric circuit having its light beam extending across an access opening to said platen, and means responsive to the interception of said light beam for altering the electrical condition of said electrical control circuit instantaneously to reverse the power driven motion of said hydraulic motor upon the occurrence of said interception during forward motion of the platen.

2,241,557
PHOTOMETRIC APPARATUS
John T. Nichols, San Francisco, Calif., assignor, by mesne assignments, to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 25, 1936, Serial No. 92,646
14 Claims. (Cl. 88—23)



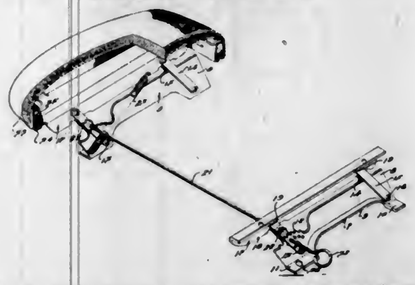
13. Self balancing apparatus for measuring the magnitude of a variable condition including a network including physically stationary means responsive to the magnitude of said condition and adapted to be unbalanced upon change in said condition from a predetermined value, electronic amplifying means having an input circuit and having an output circuit and responsive to unbalance of said network, and physically stationary means disposed in the output circuit of said amplifier and adapted to rebalance said network.

2,241,558
AIR-COOLED BOTTLED BEVERAGE COOLER
Roland S. Read, Bloomington, Ill.
Application September 9, 1938, Serial No. 229,043
1 Claim. (Cl. 62—102)



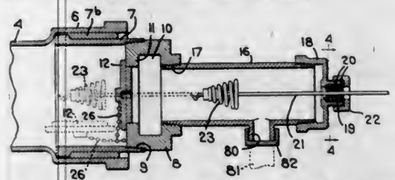
In an air-cooled bottled beverage cooler, a refrigerator cabinet, a liner box in said cabinet for supporting bottled beverages horizontally or vertically, cooling coils between the liner box and the cabinet walls, fan means for circulating air in heat exchange relationship to the cooling coils, air circulation perforations in the bottom and side walls of the liner box, and hinged baffle means for controlling the air flow through the liner box as required for properly cooling the bottled beverage stored horizontally or vertically.

2,241,559
ADJUSTABLE SEAT SUPPORT
Lorenz C. Schulz, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application March 18, 1938, Serial No. 196,593
3 Claims. (Cl. 155—14)



3. A support for a seat including, spaced supporting elements, links pivoted to said elements and disposed in parallel relation to each other, a shaft interconnecting opposite links and pivoted thereon, pinions carried by said shafts, and a gear sector integral on each of said supports in meshed relation with said pinion for transferring an adjusting force from one side to the other of said seat for retaining said links aligned.

2,241,560
CLEANOUT PLUG
Henry A. Schouler, Framingham, Mass.
Application September 13, 1939, Serial No. 294,653
6 Claims. (Cl. 15—104.30)



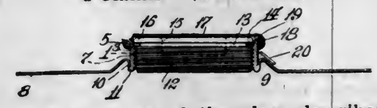
1. A device for cleaning drain pipes comprising a closure member adapted to be secured to the end of a drain pipe and provided with a passageway therethrough and a valve seat, an inwardly opening valve plug engaging said valve seat and closing said passageway, removable plug-retaining means accessible from the outside of said closure member to clamp the valve plug to its seat, said valve plug being released from its valve seat by the removal of the plug-retaining means, and a snake-carrying housing member adapted to be detachably secured to the closure member after the plug-retaining means has been removed, whereby the snake element carried by said snake-carrying housing member may be operated to dislodge the valve plug inwardly and thus open the passageway for the operation of the snake element in clearing an obstruction from the drain pipe.

2,241,561
BRIDGING PLUG
Lloyd Spencer, Los Angeles, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application February 12, 1940, Serial No. 318,519
7 Claims. (Cl. 166—13)

1. A bridging plug for wells comprising: a yieldable tubular packing sleeve adapted, when stretched, to reduce its diameter; means for holding said packing sleeve in a stretched condition while lowering said sleeve into a well bore; means for releasing said sleeve; and means for deforming said sleeve by axial compression and radial expansion beyond its normal condition.



2,241,562
EXTENSION FITTING AND CAP THEREFOR
Louis B. Wackman, St. Louis, Mo., assignor to American Flange & Manufacturing Co., Inc., Chicago, Ill., a corporation of Illinois
Application January 2, 1932, Serial No. 584,316
Renewed March 16, 1938
4 Claims. (Cl. 220—39)

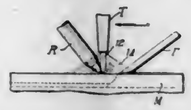


1. In a structure of the class described, an extending metallic tubular bushing providing an opening in a wall of the container, the lower or inner part of which opening is threaded and the outer part of which opening is provided with an annular bead and an unthreaded seat tapering downwardly and inwardly from the outer edge of said opening to the top of its threaded part, a plug having a threaded body with the outer end of the plug of the approximate diameter of the threads, a gasket carried by said plug between its outer end and the threads thereof and having a diameter larger than the plug and adapted to be deformed against said seat, and leak-proof and tamper-proof sealing means including a cap having its cylindrical skirt contracted around said bead, and a gasket confined and deformed between said bead and the top of the cap and the cap skirt.

2,241,563
METHOD FOR MELTING AND WELDING METALLIC SURFACES
Matthew J. Wall, Jersey City, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Application April 6, 1938, Serial No. 200,325
7 Claims. (Cl. 113—112)

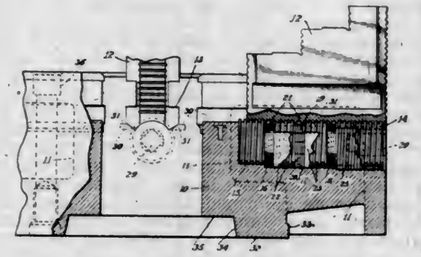
1. The process of melting a metallic surface which consists in directing a flame progressively against the surface to heat said surface to an elevated temperature less than the melting point

of said surface and progressively moving a carbon rod in contact with the metallic surface while said rod is being heated by said flame to cause particles from said rod to form with said surface an alloy having a melting point lower than that of said surface and substantially equal to said elevated temperature, thereby causing spontaneous melting of said surface at said elevated temperature.



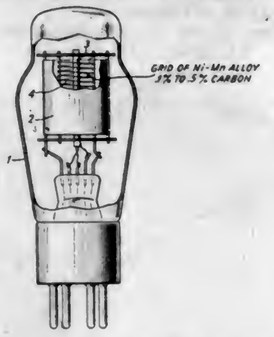
4. A process of fusion welding ferrous bodies together which comprises positioning the bodies so as to provide a groove between the adjacent surfaces to be weld united; directing into said groove and against the metal of said surfaces a high temperature heating flame; positioning carbonaceous means in said flame adjacent said surfaces and within said groove; heating the metal of said surfaces of said groove to an elevated temperature less than the melting temperature thereof, and said carbonaceous means to incandescence, to cause particles of said carbonaceous means to form with such heated surface metal an alloy having a lower melting temperature than that of said surface metal, whereupon such alloyed metal of said surfaces is melted by said flame at said elevated temperature; said carbonaceous means producing an atmosphere which has a reducing effect upon the heated metal of said surfaces or upon oxide impurities therein; and depositing molten filler metal within said groove to weld unite said bodies.

2,241,564
CHUCK
Lucius E. Whiton, New London, Conn.
Application December 10, 1938, Serial No. 244,955
9 Claims. (Cl. 279—112)



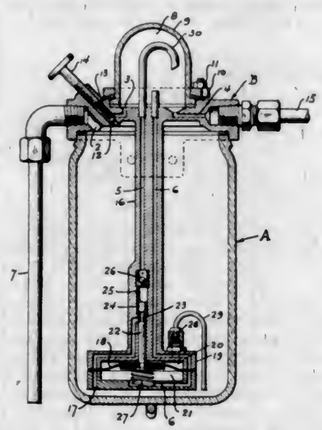
1. In a chuck, a jaw, a screw actuating the jaw, means for transmitting jaw thrusts from said screw to the body of said chuck including, a thrust member located in a portion of the screw of reduced diameter, a longitudinal key engaging said thrust member and chuck body to prevent rotation of said thrust member, an open side thrust bushing transmitting a jaw thrust from said member to the body of the chuck, said bushing having threaded engagement with the body of the chuck, said thrust member being of no larger diameter than said bushing whereby the body of said chuck may be unweakened by any mortise or recess therethrough to hold said thrust member.

2,241,565
GRID ELECTRODE
Emil Gideon Widell, Bloomfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1940, Serial No. 338,041
5 Claims. (Cl. 250—27.5)



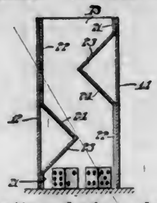
3. A grid electrode for an electron discharge device comprising a wire of an alloy consisting predominantly of nickel with .5% to 10.% manganese and containing .1% to .5% carbon.

2,241,566
LUBRICATING DEVICE
Edward A. Winfield, Los Angeles, Calif., assignor to George H. Gallineau, San Francisco, Calif.
Application November 28, 1938, Serial No. 242,667
9 Claims. (Cl. 123—196)



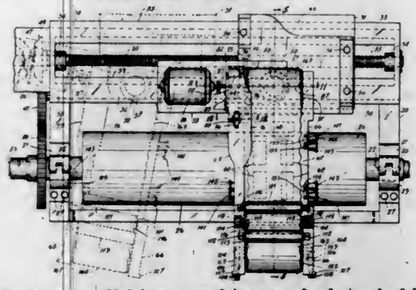
1. A mechanism for lubricating an internal combustion engine having an intake manifold comprising a container for oil, a conduit forming a connection between the manifold and the container to apply a partial vacuum thereto and to provide a passage whereby oil is drawn by the vacuum to the manifold, a valve to control the flow of oil from the container to the manifold, said valve adapted to assume one position permitting a predetermined rate of flow and a second position where the flow is reduced, vacuum actuated means for actuating the valve, and other means for retaining the valve in the position of reduced flow for a predetermined period after the engine is stopped.

2,241,567
DEVICE FOR AGITATING DICE
James C. Wobensmith, Philadelphia, Pa., assignor of one-half to Roy F. Schealer, Boyertown, Pa.
Application June 9, 1939, Serial No. 278,270
5 Claims. (Cl. 273—145)



3. A dice agitating device adapted to be used either end up comprising a box open at both ends and dice agitating members internally disposed on opposite sides at spaced locations between said ends, said members projecting inwardly from said sides, each of said members having an inclined lateral face facing toward one end of said box and an inclined lateral face at an angle to said other face and facing toward the other end of said box, said faces extending transversely across the box from side to side, said agitating members projecting inwardly to an extent to provide at least one obstacle within the interior of the box to the free vertical passage of the dice therethrough from either end.

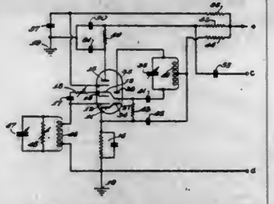
2,241,568
MACHINE FOR ABRADING PHOTOENGRAVING CYLINDERS
Frank E. Yetter, St. Louis, Mo., assignor to The Pulitzer Publishing Company, St. Louis, Mo., a corporation of Missouri
Application October 21, 1937, Serial No. 170,200
6 Claims. (Cl. 51—142)



6. In a polishing machine, a bed to hold a cylinder to be polished, a head, an endless belt polishing device on the head and adapted to be swung over the cylinder so that the belt may traverse the surface thereof, means to limit the swinging of the head to determine the pressure of the belt on the cylinder, and means to adjust the limiting means.

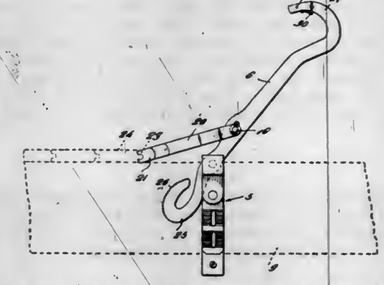
2,241,569
VARIABLE FREQUENCY RESPONSE CIRCUIT
Imre Zakarias, Budapest, Hungary, assignor to Radio Patents Corporation, a corporation of New York
Application April 16, 1940, Serial No. 329,857
In Hungary May 6, 1939
8 Claims. (Cl. 250—20)

1. In a frequency variation response circuit, an electron discharge tube comprising a cathode and an anode, a first control grid near the cathode, and a second control grid, means for producing a space charge coupling from said first control grid towards said second control grid, exterior capacitative coupling means between said grids to substantially neutralize said space charge coupling, means for impressing an alternating potential upon said second control grid, resonant impedance means connected to said first control



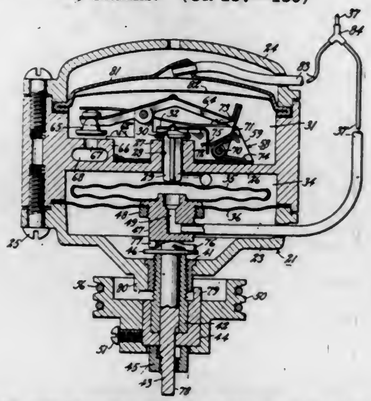
grid and cathode, the relative frequency of the impressed potential with respect to the resonant frequency of said impedance means being varied, an output circuit connected to said anode, and means operatively associated with said output circuit for developing output energy varying in amplitude proportionately to the frequency departure of said impressed potential from the resonant frequency of said impedance means.

2,241,570
CARPENTER'S TOOL
Dozier Alfred, Gladewater, Tex., assignor of thirty-five per cent to E. D. Washington, Gladewater, Tex.
Application March 14, 1940, Serial No. 323,990
1 Claim. (Cl. 254—17)



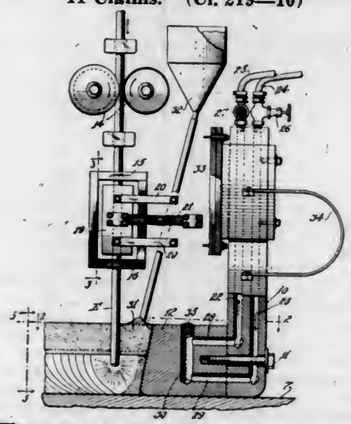
In a tool of the class described, a clamp comprising an elongated plate having a row of longitudinally extending slots therein, one slot located adjacent one end of the plate and one face of the plate having teeth formed thereon, said teeth extending transversely from each slot to the side edges of the plate, a jaw member of block-like form having teeth in one end thereof for engaging the teeth of the plate, a bolt passing through the jaw member and through a selected slot and having a nut thereon for adjustably holding the jaw member to the plate, a second jaw member of substantially channel shape in cross section and having one limb longer than the other with the long limb engaging said one face of the plate, a pivot passing through the plate and said long limb with the outer face of the bight of the second jaw member substantially flush with the second end of the plate, a lever having an intermediate portion contacting the other face of the plate and said lever being located at that end of the plate which is engaged by the channel-shaped jaw member and a pivot connecting the lever with the plate.

2,241,571
CONTROL MECHANISM FOR REFRIGERATORS
Sven W. E. Andersson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Original application June 1, 1934, Serial No. 728,525, now Patent No. 2,123,920, dated July 19, 1938. Divided and this application March 8, 1938, Serial No. 194,593
9 Claims. (Cl. 137—139)



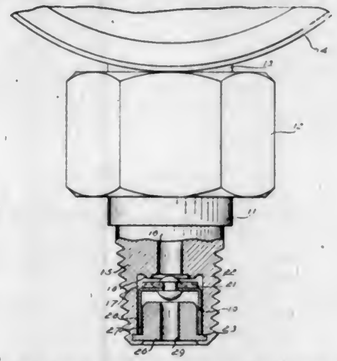
1. In mechanism of the character described, a control member, an element responsive to temperature to normally operate said control member, a part movable between definite limits to impart movement to said element to adjust the position of the latter and vary the normal operation of said control member, the ratio of movements of said part and said element being substantially constant between said definite limits, and structure interposed between said part and said element to vary the substantially constant ratio of movements of said element and said part when the latter is moved beyond said definite limits.

2,241,572
WORKING METALS BY THE ELECTRIC ARC
Percy A. E. Armstrong, Westport, Conn.
Application November 7, 1940, Serial No. 364,690
11 Claims. (Cl. 219—10)



6. The process of applying metal to a workpiece by means of an arc from a metallic electrode to the workpiece forming the other electrode of the arc, which consists in providing two side barriers in fixed relation to the workpiece, positioning closely adjacent the arc in starting position a dam on the workpiece and substantially spanning the space between the side barriers, starting an arc and keeping the space between the dam and the arc, and the space around the arc covered by a thick covering of slagging material, and then causing relative movement between the metallic electrode and the workpiece, while at the same time keeping the dam and electrode in the same relative relation along the workpiece as the metallic electrode is used up in the arc.

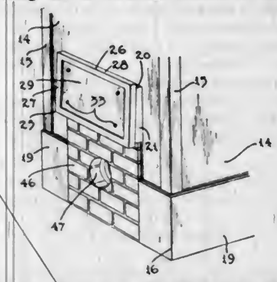
2,241,573
GAUGE VALVE
Emerson L. Aschenbach, Sellersville, Pa., assignor to United States Gauge Company, New York, N. Y., a corporation of Pennsylvania
Application July 15, 1938, Serial No. 219,442
5 Claims. (Cl. 251—127)



1. In a check valve assembly, a valve housing having a longitudinal bore terminating in a pressure chamber of larger diameter than said bore, a generally cup-shaped valve member in said chamber with its open end facing away from said bore and having a closed bottom, a valve seat at one end of said chamber surrounding said bore and adapted to cooperate with the bottom of said valve member, means rigid with said housing for peripherally supporting and retaining said valve member in said chamber and means comprising a thick-walled substantially annular member of substantial volume projecting within the space enclosed by said valve member, the top of said annular member being spaced from the inner bottom surface of said valve member at all times.

2,241,574
DOOR CONSTRUCTION FOR HEATERS
Earl P. Baker, Minneapolis, Minn.
Original application October 6, 1934, Serial No. 747,180. Divided and this application September 9, 1938, Serial No. 229,114
6 Claims. (Cl. 110—181)

6. In a heater having an upright doorway therein, a casing therefor, said doorway opening through the casing into the combustion chamber of the heater and affording unobstructed access thereto from top to bottom of said doorway, said casing including a header member and two stile members, and upper and lower doorway closures cooperating with the upper and lower portions of said casing, a separate plate-like divider for disposition crosswise of the doorway, said divider serving as a casing member common to

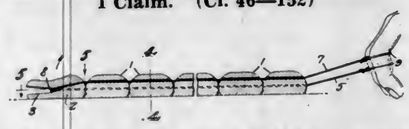


said upper and lower closures, and means on the casing for removably supporting the divider.

2,241,575
METHOD OF MAKING CAST IRON AND ADDITION MATERIAL THEREFOR
Thomas E. Barlow, Columbus, Ohio, assignor to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio
No Drawing. Application March 24, 1939, Serial No. 263,958
2 Claims. (Cl. 75—130)

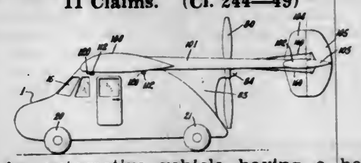
1. A method of making gray cast iron which consists in adding to the cast iron when it is in a molten state a copper base alloy in effective amounts up to 2 per cent of the total melt, said copper base alloy consisting of 1 to 10 per cent aluminum, 6 to 25 per cent silicon, manganese in effective amounts up to 25 per cent and copper in excess of 50 per cent, the balance being substantially all iron but not exceeding 30 per cent.

2,241,576
FIGURE TOY
Charles L. Barton, Orange, N. J.
Application March 20, 1940, Serial No. 325,041
1 Claim. (Cl. 46—152)



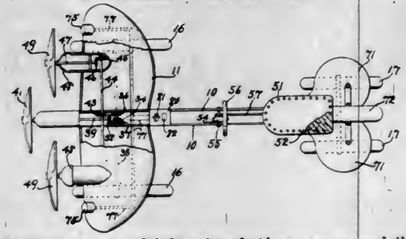
A figure toy in the form of a snake, comprising a head segment, a plurality of elongated body and tail segments having rounded ends, the head segment having a rounded rear end, all of the segments having flat under surfaces and three bores extending longitudinally therethrough, two of the bores of the body and tail segments being disposed laterally and below the longitudinal center thereof and in parallelism with each other, the other bore of the body and tail segments being arranged above the longitudinal center thereof and in the same vertical plane with the longitudinal center, the head segment being notched to simulate a mouth, means mounted on the head segment to simulate eyes, the bores of the head segment being disposed in converging relation from the rear end thereof to the notch, strings extending through the bores, means for securing the forward ends of the strings within the notch for the strings to hold all the segments in end to end relation, said strings being of a length to extend a considerable distance rearwardly of the rear end segment, and finger receiving rings connected to the rear ends of the strings for alternately pulling and releasing the same to cause the major portion of the toy from the head end thereof to move laterally and vertically when the tail end is held.

2,241,577
FLYING AUTOMOBILE
Bruce L. Beals, Jr., Hempstead, N. Y., assignor to Flying Car Corporation, Trenton, N. J., a corporation of New Jersey
Application June 23, 1939, Serial No. 280,774
11 Claims. (Cl. 244—49)



1. An automotive vehicle having a body, a motor, supporting wheels, transmission and steering gear primarily adapted for land travel, a flight unit attachable thereto for supporting and guiding said vehicle through the air, including a vertical rudder, a clutch pedal and a brake pedal for controlling the vehicle during land travel, means for disconnecting said pedals from clutch and brake actuating means respectively, and means for connecting said pedals to control the vertical rudder in flight.

2,241,578
TOY VEHICLE SIMULATING AN AMPHIBIAN AIRPLANE
Frederick A. Berg, Chicago, Ill.
Application July 31, 1939, Serial No. 287,603
10 Claims. (Cl. 280—1.21)



1. In a toy vehicle simulating an amphibian airplane including a body having a pair of parallel side pieces thereon and simulating the fuselage of an airplane, also having a seat and being adapted to be straddled by the operator, front and rear supporting wheels and axle shafts for the vehicle, steering means for the front wheels comprising housing means about the front shaft, a vertical member forming part of said housing means, a corresponding vertical member on the body, rotatably engaging said member, and means for joining the two members together in rotatable relationship.

2,241,579
AIR CONDITIONING SYSTEM UTILIZING REFRIGERATION
Carl O. Bergstrom, Boston, Mass., assignor to B. F. Sturtevant Company, Boston, Mass.
Application December 6, 1939, Serial No. 307,845
5 Claims. (Cl. 62—6)

1. An air cooling system for a passenger vehicle, comprising a plurality of fans supported overhead the passenger space and spaced longitudinally of the vehicle for supplying outdoor air into said space, refrigerant evaporators asso-

ciated with certain of said fans, means including a compressor for supplying a refrigerant to said evaporators, volume control means associated with those fans not associated with said evaporators for varying the volume of outdoor air



supplied thereby into the passenger space, and means including a thermostat responsive to temperature changes in the air in said passenger space for controlling said compressor and said volume control means.

2,241,580

ART OF LAUNDERING AND CLEANING

Howard B. Bishop, Summit, N. J., assignor, by mesne assignments, to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application June 25, 1937, Serial No. 150,266

8 Claims. (Cl. 8—137)

4. In the process of laundering clothes and the like after washing to remove soiling, the step which comprises rinsing the same in a solution containing zinc silico fluoride, retaining the clothing or the like in said solution for a sufficient length of time to make the colors more brilliant and to avoid bleeding thereof, and imparting a soft, non-sticky character to the same.

2,241,581

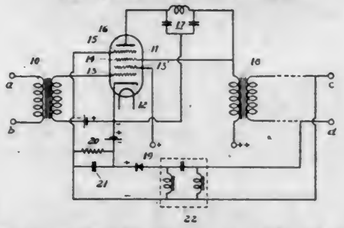
ELECTRICAL AMPLIFIER

Heinz Boucke, Berlin-Charlottenburg, Germany, assignor to Radio Patents Corporation, a corporation of New York

Application January 18, 1940, Serial No. 314,427

In Germany January 19, 1939

6 Claims. (Cl. 179—171)



1. In an audio frequency amplifier for reproducing sound records, an electron valve comprising a cathode, an input electrode and a pair of output electrodes, an output circuit, circuit connections from each of said output electrodes to said output circuit, a filter in one of said circuit connections effective in suppressing frequencies in the higher audible range, means for controlling the relative amount of electron current to said output electrodes, further means for producing a potential varying in proportion to the average amplitude of the sound currents being amplified, said potential controlling said last mentioned means, whereby with increased sound intensity the relative current to the output electrode connected to said output circuit through said filter is decreased and vice versa, and further means whereby said control potential varies only in proportion to the average intensity of sound signal components beyond a predetermined lower limit frequency.

2,241,582

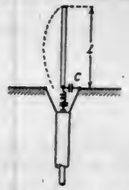
ARRANGEMENT FOR MATCHING ANTENNAE FOR WIDE FREQUENCY BANDS

Werner Buschbeck and Hans Meinke, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application December 30, 1939, Serial No. 311,798

In Germany October 7, 1938

3 Claims. (Cl. 250—33)



1. A wide band antenna system comprising an antenna having a small variation of reactance over a wide frequency range, a transmission line and circuit elements connected in series therebetween, said antenna being of such length that the wave resistance of said antenna is equal to the impedance of said transmission line, said circuit elements comprising a capacity connected to said antenna so proportioned that the variation in reactance of said antenna is transformed into a variation in effective resistance, and means for compensating for said variation in resistance.

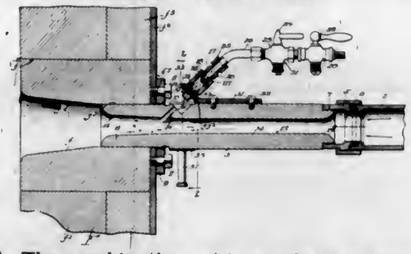
2,241,583

GASEOUS FUEL BURNER

Donald A. Campbell, Rockford, Ill., assignor to Garnet W. McKee, Rockford, Ill.

Application December 8, 1938, Serial No. 244,543

4 Claims. (Cl. 158—115)



1. The combination with a tube-like burner member having one end thereof adapted for connection to a combustion block in a furnace and its other end adapted to receive gaseous fuel under pressure, and embodying a longitudinal fuel passage therethrough and a duct leading from the atmosphere surrounding the member to the passage, of an igniting device for the burner member comprising means for producing a flame and directing such flame toward the duct for passage to the passage in the member, and means for closing the duct against the flow of air therethrough after starting of the burner member.

2,241,584

TOOTHBRUSH AND DENTAL MIRROR

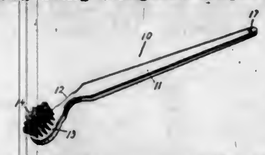
Maximilian Cohen, New York, N. Y.

Application July 2, 1940, Serial No. 343,522

1 Claim. (Cl. 132—84)

In a combined toothbrush and dental mirror having a handle and a bristle portion, the back of said bristle portion having a channel opposite said bristles, a concave mirror set within said

channel below the outer surface of said handle, said mirror having unequal circumferential end portions and being elongated lengthwise of said



handle and adapted to magnify an extended section of teeth with varied degrees of magnification.

2,241,585

PROCESS FOR REMOVING METALLIC COATINGS FROM METALLIC PARTS

William E. Day, Jr., Plainfield, N. J., assignor to Mack Manufacturing Corporation, Long Island City, N. Y., a corporation of Delaware

No Drawing. Application December 7, 1938, Serial No. 244,352

5 Claims. (Cl. 204—146)

1. A process of removing copper plate from a copper plated part comprising subjecting said part as an anode to electrolysis in an electrolyte consisting of an aqueous solution of ammonium hydroxide and ammonium nitrate.

2,241,586

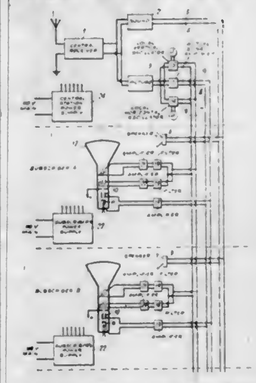
CENTRAL TELEVISION RECEIVING SYSTEM

Cornelis Dorsman, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application March 11, 1939, Serial No. 261,221

In the Netherlands March 12, 1938

1 Claim. (Cl. 178—5.8)



A television system for receiving television signals which include picture signals, control synchronizing signals and related sound signals transmitted as modulations of at least one carrier frequency comprising a central station and a plurality of remotely located subscriber stations each selectively connected with the central station, means at the central station for receiving all of the transmitted signals, demodulating means at the central station for demodulating all of the received signals and isolating the sound signals from the picture and control synchronizing signals, a cathode ray image reproducing device located at each subscriber station for reproducing image representations under the control of signals received at the central station, a plurality of independent means at the central station for generating deflection wave energy under the control of received synchronizing signals for controlling the deflection of the cathode ray beam in each cathode ray image reproducing device located at each subscriber station, one of said central station generating means being controlled by the received synchronizing signals to generate deflection wave energy of a predetermined frequency for deflecting the cathode ray beam of each of the plurality of cathode ray image reproducers of the subscriber stations in one plane and the other of said plurality of central station generating means being controlled by the received synchronizing signals to generate deflection wave energy of a different frequency for deflecting the cathode ray beam of each of the plurality of cathode ray image reproducers of the subscriber stations in a direction substantially normal to the first direction of deflection, a sound reproducing device at each subscriber station, independent signal channels connected between the central station and each subscriber station for transferring sound signal energy, picture signal energy, and the deflection wave energies from the central station to the several subscriber stations, the signal channel for transferring deflection wave energies being adapted to transfer each of said plurality of beam deflection wave energies developed at the central station to the several subscriber stations, filter means located at each subscriber station for separating the independent beam deflection wave energies one from the other to control the image reproduction in the cathode ray apparatus of the several subscriber stations, by the wave energy generated at the central station and these controlled by received synchronizing signals, means at each subscriber station for controlling the intensity of the image reproduction on the cathode ray image reproducing devices in accordance with signal energy supplied to the subscriber station over the signal channel connected with the central station, and means for operatively connecting the sound reproducing devices of the subscriber stations with the central station.

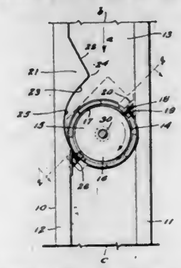
2,241,587

CHANNEL CONSTRUCTION FOR COMMINUTORS

Augustus C. Durdin, Jr., Lincolnwood, Ill., assignor to Chicago Pump Company, Chicago, Ill., a corporation of Illinois

Application March 10, 1939, Serial No. 261,006

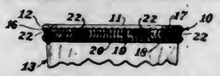
8 Claims. (Cl. 210—151)



1. The combination of a channel, through which flows a stream of liquid containing solids and semi-solids, a combined comminutor and strainer having a cutting bar disposed on the upstream side of the combined comminutor and strainer, the latter being interposed in said channel with its transverse cutting axis disposed at less than a right angle to the longitudinal axis of the channel, and means to direct the flow of

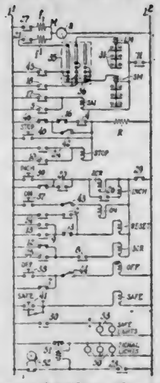
the entire stream transversely through the straining element of the combined comminutor and strainer.

2,241,588
CAP
Edward M. Enkur, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application January 28, 1941, Serial No. 376,389
5 Claims. (Cl. 215—38)



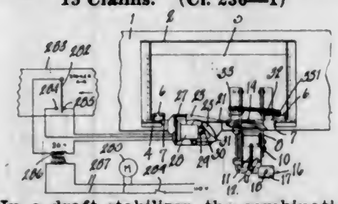
1. A sheet metal snap-on cap adapted to be applied to a container having a mouth surrounded by a bead, said cap comprising a circular top having a diameter substantially greater than the maximum diameter of said bead, a resilient circumferential skirt depending from said top and provided with corrugations extending in axial planes and completely throughout the length of the skirt, said skirt being bent inwardly below the top and then outwardly to provide oppositely flared upper and lower annular surfaces merging in an abrupt bend at an intermediate portion which has a minimum diameter somewhat less than said maximum diameter so that when the cap is placed on the container said portion will directly support the cap on the container bead, the lower edge of the lower flared surface of the skirt being continued in an inwardly and downwardly directed annular flange which cooperates with said bead to retain the cap on said bead in position to receive sealing pressure whereby said portion is forced past said bead and then springs into direct locking engagement thereunder, and a gasket fixed against the inner surface of said top in position to engage the bead to provide a top seal.

2,241,589
CONTROLLER FOR MOTOR DRIVEN PRINTING PRESSES AND THE LIKE
Cyril P. Feldhausen, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application November 21, 1938. Serial No. 241,590
14 Claims. (Cl. 177—311)



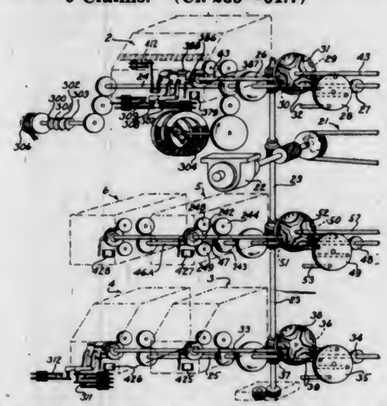
1. In a motor controller, the combination with starting and stopping means including a manually operable switch and means functioning on stopping after inching or running to require said switch to be twice operated to effect starting thereby, of signaling means responsive to the first operation of said manual switch.

2,241,590
DRAFT CONTROL
Edward A. Field, Jr., Chicago, Ill.
Application July 28, 1939, Serial No. 286,975
15 Claims. (Cl. 236—1)



14. In a draft stabilizer, the combination of a pivotally mounted draft control gate, a hanger arm mounted on said gate, a main counterweight adjustably mounted on said hanger arm, an auxiliary counterweight mounted on said hanger arm for adjustment independently of said main counterweight to vary the closing moment exerted by said counterweights upon said gate, and a predetermined-period operating motor operatively connected to said auxiliary counterweight.

2,241,591
CALCULATING MACHINE
John C. Gates, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 24, 1939, Serial No. 275,574
9 Claims. (Cl. 235—61.7)

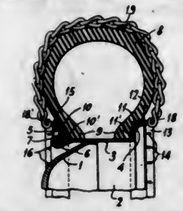


1. In a calculating machine, factor entry devices, multiplying means controlled by said devices, product indicating means controlled by said multiplying means, means for casting out the nines from the factors, means for performing a multiplication involving the results obtained by casting out the nines from the factors and representing the product thereof with nines cast out, means for casting out the nines from the product transmitted to the indicating means and representing the result thereof, and means for comparing the setting of the means representing the result of the last-mentioned computation with the setting of the means representing the result of casting out the nines from the product.

2,241,592
ANTISKID CHAIN ANCHOR DEVICE
Seymour Goldenberg, Grantwood, N. J.
Application January 31, 1940, Serial No. 316,463
5 Claims. (Cl. 152—233)

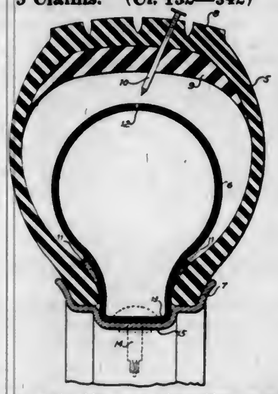
1. In an antiskid device for vehicle wheels, the

combination with a tire and a tire rim for supporting the latter, annular ring members disposed at opposite sides of the tire, each ring member comprising a section immovably clamped between a tire bead and the adjacent tire rim flange and



a chain-retaining section extending beyond the tire rim flange, said last section being bent under upon itself to provide a reinforced edge, and a plurality of spaced openings provided around the circumference of the chain-retaining section of each ring member.

2,241,593
ONE-PIECE TIRE
Clarence U. Gramelspacher, Jasper, Ind.
Application October 24, 1939, Serial No. 301,015
5 Claims. (Cl. 152—342)

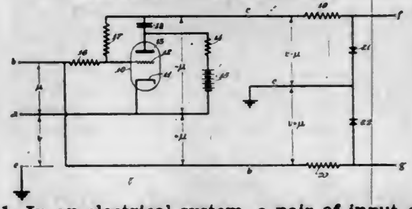


1. A pneumatic tire construction comprising a casing, a tread on the outer peripheral surface of said casing, an inner soft plastic rubber section forming a portion of the innermost wall of said casing, an inner tube of smaller diameter than said casing dividing the tire into two air chambers, said inner tube having a slow-leak aperture in the outermost wall section, opposite to and spaced from said plastic rubber section said aperture being closed by said soft plastic rubber upon puncturing said tire and distortion of the casing against said inner tube.

2,241,594
MOLD DRESSING
Worth Gray, Wheaton, and Frederick H. MacLaren, Calumet City, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application December 18, 1939, Serial No. 309,826
12 Claims. (Cl. 22—189)

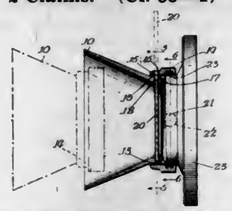
1. A dressing for molds receiving a molten metal comprising a mineral oil having a Saybolt Universal viscosity at 100° F. between about 100 seconds and about 300 seconds, a flash point of from about 375° F. to about 450° F., and a Conradson carbon of not more than about 0.5 and an added minor proportion of a compound selected from the group consisting of a naphthenic acid and a metal naphthenate.

2,241,595
MODULATING CIRCUIT
Gustav Guanella, Zurich, Switzerland
Application June 21, 1939, Serial No. 280,232
In Switzerland March 10, 1937
10 Claims. (Cl. 179—171.5)



1. In an electrical system, a pair of input circuits with means for impressing thereon separate alternating potentials, a vacuum tube phase inverter for producing a phase inverted potential from the first alternating potential, means for combining both said first alternating potential and said phase inverted potential with the second alternating potential to form sum and difference potentials, means for rectifying the sum and difference potentials, and means for differentially combining the rectified potentials.

2,241,596
SUNSHADE AND FILTER HOLDER FOR CAMERA LENSES
Victor Guhl, Chicago, Ill., assignor to Burke & James, Inc., Chicago, Ill., a corporation of Illinois
Application January 27, 1940, Serial No. 315,907
2 Claims. (Cl. 88—1)

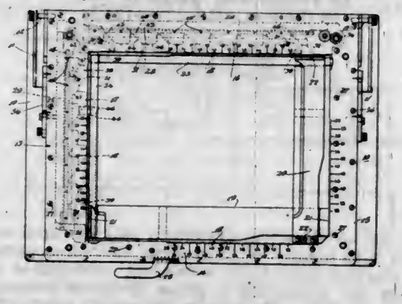


1. As a unitary structure, a ray filter holder embodying a casing comprising concentrically arranged tubular members one of which is adapted to fit over a lens housing, each of said members having a slot through its wall, said members being rotatable one with respect to the other to move the slots into and out of register, a portion of the wall of the innermost member opposite its slot constituting a seat for a filter element, the said filter element being adapted to be inserted into the said seat through the slots when the latter are in registering relation and to be maintained against removal and upon said seat when the said members are relatively rotated to cause an unslotted portion of one to form a closure for the slot of the other member, and means for removably securing one of said members to the lens housing of a camera.

2,241,597
MAKE-UP GAUGE
Horace W. Hacker, La Grange, Ill.
Application July 20, 1940, Serial No. 346,622
13 Claims. (Cl. 101—394)

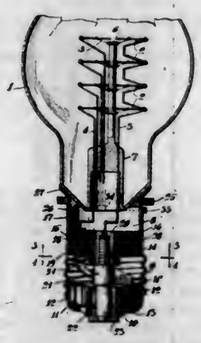
1. A make-up gauge comprising a frame, a pair

of adjacent abutment bars mounted on the frame, a pair of adjacent retractible pressure bars mounted in the frame for cooperation with said abutment bars, and means for actuating said pressure bars independently of each other, said means comprising a series of short wedge surfaces on each of said pressure bars, an actuating bar movable in the direction of its longitudinal di-



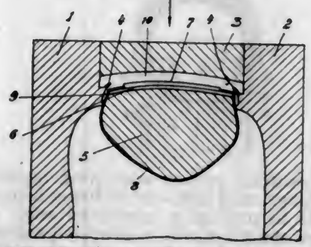
mension adjacent each pressure bar, a series of short wedge surfaces on each actuating bar in contact with the wedge surfaces on the adjacent pressure bar, said cooperating wedge surfaces extending from end to end of said bars throughout the pressure-exerting portions thereof, and means imparting movement to said actuating bars and thereby transmitting movement to the pressure bars transversely thereof.

2,241,598
MULTIFILAMENT LAMP
John E. Hatula, Painesdale, Mich.
Application December 8, 1939, Serial No. 308,135
4 Claims. (Cl. 176—27)



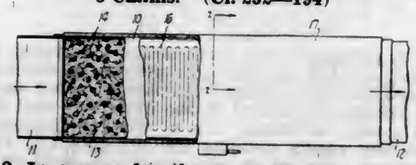
3. A base for an electric lamp, including a straight metal tube, secured at one end directly to the lamp, a pair of switch members rotatable and coacting to control current to the lamp, one member, including a disc of insulating material, secured to the opposite end of the tube, and electric contacts assembled to said disc, connected to the lamp, a screw shell having a straight tube at one end telescoped with the first named tube, upon which it is free to rotate, the other switch member including a disc of insulating material secured to the screw shell and electric contacts mounted on the disc and connected thereto effective to engage the first named contacts, and means to retain both tubes in assembled rotatable juxtaposition.

2,241,599
PROCESS FOR MAKING SHOES
John Hoza, Zlin, Czechoslovakia
Application September 12, 1938, Serial No. 229,449
In Czechoslovakia September 13, 1937
2 Claims. (Cl. 18—59)



1. A process of manufacturing a shoe having a sole, edging and upper part, by employing a vulcanizing mold having two lateral interconnectible sections provided with two opposing projections, and a third section pressable upon the bottom face of said sole, which process consists in placing between said lateral mold sections the upper part of a lasted shoe having an insole secured thereto, locating a rubber trimming along the edge of the upper part for forming said edging, closing said lateral sections, engaging said sole upon said trimming such that the mold projections will lie between the edge of said sole and the edge of said trimming, pressing the third mold section against said sole and vulcanizing said sole, upper part and trimming together, a gap being formed between said sole and said edging preventing thereby visible merging of said sole and said edging into one another.

2,241,600
MEANS FOR REMOVAL OF VAPOR FROM GASES
Clyde L. Hunsicker, San Francisco, Calif.
Application September 27, 1938, Serial No. 231,884
5 Claims. (Cl. 252—194)

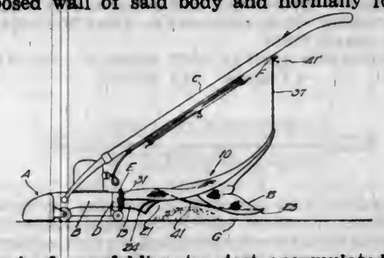


2. In means for the removal of vapor from gases, fragments of mineral wool carrying a vapor absorbing compound, said fragments being enmeshed in a mass of uncompacted filamentary wool, the filamentary wool having non-absorbent characteristics, being of a material which is substantially inert with respect to chemical reaction with the compound.

2,241,601
VACUUM CLEANER BAG
Harry Kessler, Brooklyn, N. Y.
Application November 29, 1938, Serial No. 242,873
5 Claims. (Cl. 183—51)

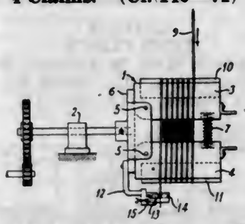
1. A vacuum cleaner bag comprising a body closed at its upper end and having an open neck at its lower end, said body having a discharge opening in one of the side walls and disposed adjacent the lower end thereof, a closure flap connected to said body for closing said opening, releasable fastening for securing said closure flap

in closed position over said opening, and dirt ejector means connected to said closure flap and opposed wall of said body and normally folded



therein for unfolding to eject accumulated dirt from said body toward said discharge opening when said fastening means is released and said closure flap is swung to open position.

2,241,602
HEATER WINDER
Brice W. Kinyon, Bloomfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1940, Serial No. 326,844
4 Claims. (Cl. 140—71)



1. A wire winder comprising a cylinder rotatable on its own axis, a plurality of sharp-edged ridges above the winding surface of the cylinder extending lengthwise of the cylinder, said ridge having a cutting edge of a width less than approximately the diameter of the wire to be wound, and said ridges being spaced predetermined distances apart to accurately place spaced bends in wire wound on the mandrel.

2,241,603
ROOFING ELEMENT
Lester Kirschbraun, New York, N. Y., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
Application February 10, 1937, Serial No. 125,017
Renewed December 16, 1939
4 Claims. (Cl. 108—8)



4. A roofing element of the character described comprising a body portion of hardened plastic material comprising bituminous material and hardening fillers, the underside of said body portion having formed therein a plurality of grooves extending longitudinally of the body portion and a fibrous facing sheet adhesively secured to the undersurface of the body portion and bridging the grooves therein.

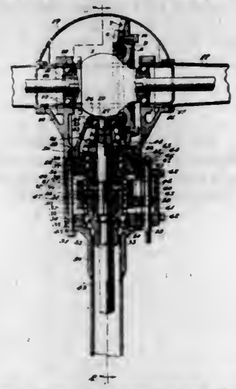
2,241,604
MANUFACTURE OF ARTIFICIAL STONE
Norman Victor Sydney Knibbs, New Barn, Longfield, and Alfred Petter Pehrson, Streatham, London, England, assignors to The Continental Investment Syndicate Limited, London, England
No Drawing. Application February 4, 1936, Serial No. 62,298. In Great Britain February 12, 1935
21 Claims. (Cl. 25—155)

1. A method of making a precast artificial stone product that comprises mixing at least one of the materials defined as siliceous and argillaceous with quicklime and a compound of an oxy-acid of sulphur, adding water to hydrate the quicklime, shaping to the required form, and applying steam under pressure to harden.

2,241,605
WETTING AGENTS IN AMALGAMATION
Kellogg Krebs, Berkeley, and Lee E. Tucker, Monrovia, Calif., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 27, 1939, Serial No. 281,310
4 Claims. (Cl. 209—176)

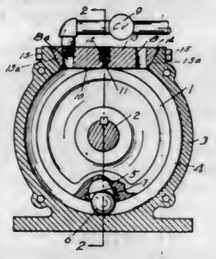
4. A process of recovering precious metals by amalgamation from ores containing substantial quantities of slime which comprises carrying out the amalgamation in the presence of a wetting agent from the group consisting of sulfated high molecular alcohols, sulfonated esters of higher alcohols and dibasic acids, and alkylated aryl sulfonates.

2,241,606
TWO SPEED TRANSMISSION FOR AXLES
Karl D. Kysor, Northville, Mich., assignor of one-half to Charles Reedy, Cincinnati, Ohio
Application March 7, 1939, Serial No. 260,361
5 Claims. (Cl. 74—326)



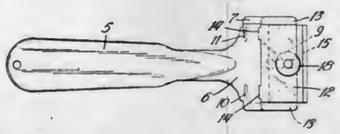
1. In a two speed transmission for motor vehicles, a drive shaft, a rear axle, a housing for said axle including a central portion providing a circular flange, a bearing support element having a circular flange engageable with the first mentioned flange, a second bearing bracket having a circular flange engageable with said circular flange of said first bearing bracket, coaxial ring gears for driving said rear axle, a pinion for each ring gear, one of said pinions supported in each bearing bracket and means for securing said bearing brackets on said housing.

2,241,607
MACHINE FOR EVACUATING AND EXERTING PRESSURE ON FLUIDS
Frank C. Long, Erie, Pa.
Application December 8, 1939, Serial No. 308,224
7 Claims. (Cl. 103—135)



1. A machine of the class described having, in combination, a circular rotating member having an aperture inclined inwardly forward in the direction of rotation in the peripheral surface thereof, a ball member disposed in said aperture movable outwardly upon rotation of said rotating member, a casing surrounding and supporting said rotating member having an inlet and an outlet, and a grooved surface concentric with respect to said rotating member in communication with said inlet and said outlet and in alignment with said aperture in contact with which grooved surface said ball member moves upon rotation of said rotating member to exert a pressure on fluid in said casing, said groove being of a predetermined depth wherein the outer surface of said ball member contacts the side of said inclined aperture which is rearward with respect to the direction of rotation of the rotating member at a point radially inwardly of the periphery of said rotating member in a vertical plane, passing through the center of the ball and normal to the side of said inclined aperture throughout the period of contact of said ball member with the wall of said grooved surface.

2,241,608
CUTTING DEVICE
August J. Lurie, Chicago, Ill.
Application August 23, 1940, Serial No. 353,879
7 Claims. (Cl. 30—333)



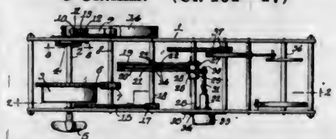
1. A cutting device having a handle, a substantially rectangularly shaped blade guide formed integrally with said handle having an upstanding flange along each of two opposite sides thereof forming a guiding channel, a blade holder adapted to slide in said channel, a blade in said guiding channel intermediate said blade guide and blade holder and movable with said holder to a cutting and to a non-cutting position, means for clamping said holder to said guide with the blade retained therebetween, and means for determining at least two clamping positions for said holder.

2,241,609
CLAMPING DEVICE
Edward H. McClelland and John A. McClelland, Cleveland, Ohio, assignors to Anna McClelland, Cleveland, Ohio
Application April 13, 1939, Serial No. 267,724
4 Claims. (Cl. 85—5)



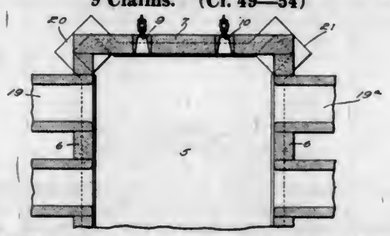
1. A device for temporarily securing perforated structural members together comprising a shell having a member engaging end portion, a clamping member extending outwardly from said shell for engaging aligned openings in said structural members and having the free end thereof split into a plurality of sections, an elongated pin extending through said shell for spreading apart the free end of said clamping member, and means including a threaded connection between the clamping member and shell for effecting relative movement of said clamping member relative to said shell whereby said structural members are clamped between said end portion of the shell and the free end of said clamping member.

2,241,610
TIME CLOCK
Benjamin Moss, Manitowoc, Wis.
Application July 5, 1939, Serial No. 282,910
5 Claims. (Cl. 161—17)



1. In a time clock a motor actuated signal device, mutilated timing gears operatively connected thereto, a shiftable gear, speed restraining means operatively connected to said shiftable gear, and means for moving the shiftable gear into position for mesh with a selected mutilated gear.

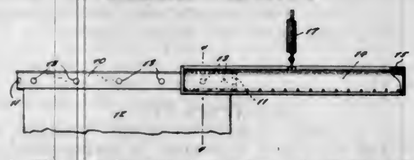
2,241,611
METHOD OF AND APPARATUS FOR FIRING AND FEEDING BATCH TO GLASS MELTING FURNACES
Vergil Mulholland, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application June 9, 1938, Serial No. 212,705
9 Claims. (Cl. 49—54)



1. The method of firing glass-making furnaces which comprises introducing fuel into the furnace through the rear wall and at one side of the longitudinal center line of the furnace, introducing preheated air for combustion through regenerator ports in the side wall of the furnace

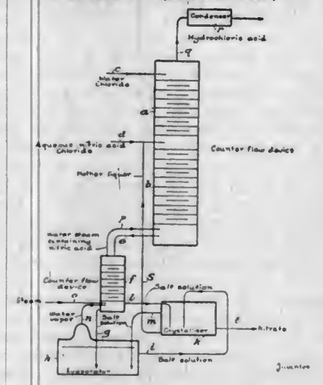
on the same side of the center line, causing the fuel as introduced to swirl in a given direction of rotation, and periodically reversing the firing to introduce the fuel and air alternately on opposite sides of the center line and to cause the fuel to swirl alternately in opposite directions of rotation, whereby the firing from the opposing sides of the center line is symmetrical.

2,241,612
ATTACHMENT FOR BAGS
Alfred E. Norris, Westfield, N. J., assignor to The Regina Corporation, Rahway, N. J., a corporation of New Jersey
Application June 25, 1938, Serial No. 215,752
2 Claims. (Cl. 150—3)



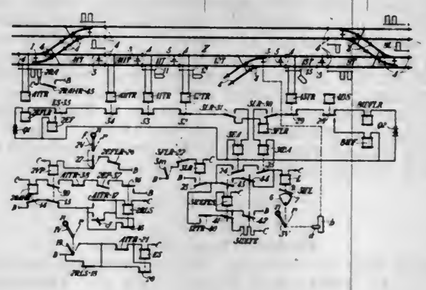
1. The combination of a bag of pliable fabric, a resilient device comprising metallic members having an inherent resiliency in its entirety tending to spread said device into the open condition, said device being secured to said bag at the mouth thereof and being disposed externally of the fabric portion so as to provide the outermost surface of said mouth, and means engaging the metallic members directly upon their exposed surfaces for clamping said members to each other in straight line relation with the bag fabric therebetween.

2,241,613
MANUFACTURE OF NITRATES
Harry Pauling, Berlin, Germany
Application March 10, 1938, Serial No. 195,152
In Czechoslovakia March 27, 1937
5 Claims. (Cl. 23—102)



1. A method for the production of nitrates and hydrochloric acid from chlorides capable of metathetical reaction with nitric acid which comprises treating such chlorides at boiling temperature and at atmospheric pressure in a countercurrent reaction zone with an excess of strong nitric acid to form a nitrate liquor and a gas-vapor mixture containing substantial quantities of nitrosyl chloride and chlorine, reacting the gas-vapor mixture containing substantial quantities of nitrosyl chloride and chlorine effluent from said reaction zone at elevated temperatures under atmospheric pressure with water in countercurrent in a second treatment zone beyond that in which nitric acid is introduced to the process, whereby substantially all of the nitrosyl chloride and chlorine are converted into aqueous nitric acid which is returned to the reaction zone and gaseous hydrochloric acid which is ejected as such from said zone, and condensing the said hydrochloric acid.

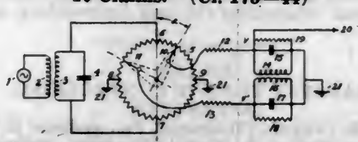
2,241,614
RAILWAY TRAFFIC CONTROLLING APPARATUS
John M. Pelikan, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application August 27, 1940, Serial No. 354,353
8 Claims. (Cl. 246—219)



7. In traffic controlling apparatus for a stretch of railway track containing a switch, embodying a traffic control circuit for each direction of traffic movements over said stretch, each of said circuits including a source of energy at one of its ends and including contact means between its energy end and said switch normally closed but becoming opened in response to a train on a corresponding portion of said stretch for controlling signal means adjacent its opposite end for governing traffic movements over said stretch in the corresponding direction; the combination comprising, an approach control relay for each direction of traffic movements over said stretch, manually controllable means for opening said traffic control circuits adjacent said switch and for connecting each of said approach control relays with the energy end of the traffic control circuit for the opposite direction of traffic movements over said stretch, and means normally locking said switch but controlled by means including front contacts of said approach control relays for releasing said switch.

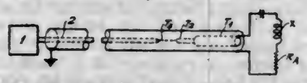
8. In traffic controlling apparatus for a stretch of railway track containing a switch, embodying a traffic control circuit for each direction of traffic movements over said stretch, each of said circuits including a source of energy at one of its ends for controlling signal means adjacent the opposite end for governing traffic movements over said stretch in the corresponding direction; the combination comprising, a switch lockout relay included in said traffic control circuits adjacent said switch, a switch control relay, a circuit controlled by a back contact of said switch lockout relay and by manually controllable means for energizing said switch control relay, means controlled by said switch control relay when energized for opening said traffic control circuits, and means normally locking said switch but controlled by means including a front contact of said switch control relay for releasing said switch.

2,241,615
ELECTRIC PHASE CONTROL SYSTEM
Josef Plebanski, Warsaw, Poland, assignor to Radio Patents Corporation, a corporation of New York
Application February 24, 1940, Serial No. 320,725
In Poland February 25, 1939
10 Claims. (Cl. 178—44)



1. A potentiometric system comprising four substantially equal resistance units connected to form a bridge circuit, means for applying an input voltage between one pair of diagonal apices of said bridge, the remaining apices being connected to the zero potential point of said system, a movable contact arranged to progressively engage said resistance units in succession, an output circuit connected between said contact and the zero potential point, said resistance unit being of non-uniform design to obtain a substantially sinusoidal amplitude variation of the voltage in said output circuit by a complete movement of said contact along said resistance units.

2,241,616
TRANSMISSION LINE
Hans Otto Roosenstein, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 6, 1938, Serial No. 244,164
In Germany December 1, 1937
4 Claims. (Cl. 178—44)



1. An arrangement adapted to couple a radio frequency load to an energy feeder line without frequency discrimination over a wide band of operating frequencies comprising two or more serially connected impedance transformation lines between said load and said feeder line, each of said transformation lines having a constant surge impedance throughout its length, the length of each line being a multiple, including unity, of a quarter of the wavelength at the midband frequency, the surge impedance of the one of said transformation lines nearest said load being so proportioned that the load reactance is transformed to nearly zero under conditions independent of frequency, its effect upon the ohmic resistance being disregarded, while the surge impedance of the remainder of said transformation lines are so proportioned that the load ohmic resistance as transformed by said one transformation line is by said remainder of said transformation line transformed to a constant value which is the same as the surge impedance of said feeder line.

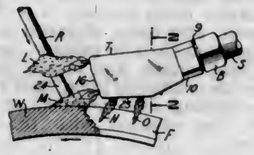
2,241,617
TRIANGULAR JOIST
Allen I. Rubin, Mount Vernon, N. Y.
Application July 27, 1940, Serial No. 347,855
7 Claims. (Cl. 189—37)

7. A metal joist of triangular cross-section and being inverted with its base in upper position, said metal joist comprising a trussed top chord, a lower chord spaced apart from said top chord and having horizontal end extensions, said top chord including two elongated and spaced-apart members having portions thereof positioned in a horizontal plane forming the upper surface of said joist, said top chord comprising substan-



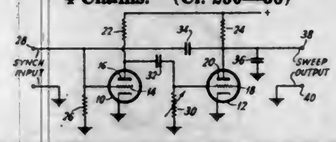
tially U-shaped bearing means, the legs of said U-shaped bearing means being secured to said spaced-apart members, and means for bracing said upper and lower chords, said bracing being welded to said upper and lower chords.

2,241,618
BLOWPIPE TIP
Marvin R. Scott, Cleveland, Ohio, assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application July 12, 1939, Serial No. 283,949
7 Claims. (Cl. 158—27.4)



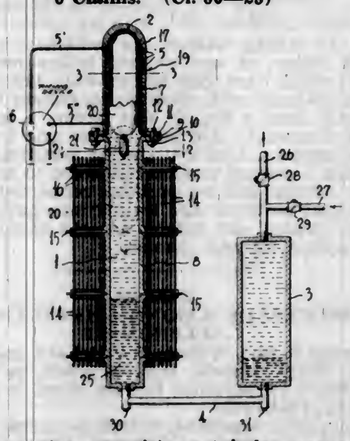
1. A blowpipe tip for carburizing flame welding rotating ferrous metal parts arranged to form a circumferential welding groove, such as a V, said tip comprising a one-piece metal body having: a relatively short gas inlet chamber extending from the rear end of the tip; an elongated primary gas outlet passage extending from the bottom of said chamber to the front end face of the tip, and being adapted to discharge a main welding flame into said V and against a body of weld metal maintained thereby in a welding state; an elongated auxiliary gas outlet passage extending from the bottom of said chamber to said front end face, and adapted to discharge against a welding rod being fed into said body of weld metal a preheating flame at a place which is spaced on such rod a relatively short distance above said body of weld metal when the tip is in a normal operating position; the longitudinal axes of said chamber and passages being disposed in the central longitudinal-vertical plane of the tip with the axis of said primary gas outlet passage disposed in spaced parallel relation below the axis of said chamber and the axis of said auxiliary gas outlet passage so disposed above the axis of said chamber and in upwardly and forwardly inclined relation to the axis of said primary gas outlet passage, that the preheating flame is normally not discharged toward said body of weld metal; each of said gas outlet passages having a large inlet bore and a small outlet bore in axial alignment; secondary gas passages extending from the bottom of said chamber; and a plurality of gas outlet passages extending from said secondary gas passages to the bottom surface of the tip and being adapted to discharge spaced preheating flames against the V surfaces in advance of the welding operation.

2,241,619
OSCILLATOR
Jesse B. Sherman, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 1, 1939, Serial No. 302,305
4 Claims. (Cl. 250—36)



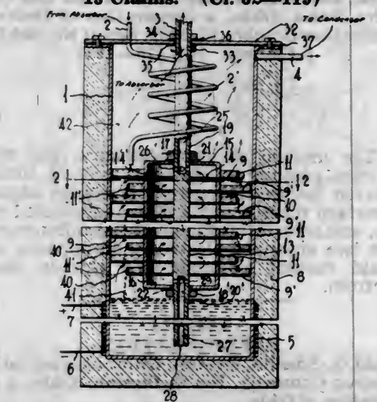
1. An oscillator for producing voltage variations of saw-tooth wave form comprising a first and a second electron tube each having a cathode, a control electrode and an anode, means for connecting each of the cathodes to ground, means including separate resistances for maintaining each of the anodes positive with respect to its associated cathode, separate resistances for connecting each of the control electrodes to ground, means including a condenser for connecting the anode of the first electron tube to the control electrode of the second electron tube, means including another condenser for connecting the anode of the second electron tube to the control electrode of the first electron tube, a charging condenser connected between the anode of the second electron tube and ground, an output circuit connected to the anode of said second electron tube, and means for applying negative synchronizing impulses to the control electrode of said first electron tube whereby the tubes may be rendered alternately conducting and whereby a voltage variation of substantially linear saw-tooth wave form may be caused to appear across said charging condenser.

2,241,620
MEANS FOR PRODUCING PULSATING MOVEMENT
Mark Shoeld, Baltimore, Md.
Application April 10, 1937, Serial No. 136,211
6 Claims. (Cl. 60—25)



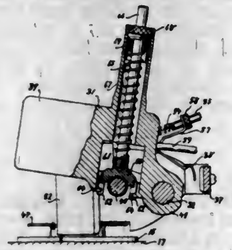
1. Apparatus comprising a tubular means constructed of heat-conducting material and having a closed end and an open end, a vaporizable, pressure transmitting liquid in said tubular means, a float member in the liquid within the tubular means movable toward and away from the said closed end by evaporation of part of said liquid and defining with said tubular means an interspace, the said interspace being accessible to and occupied by said liquid in the tubular means, and means for heating at intervals said liquid in said interspace to effect vaporization of part of the liquid during application of heat and to cause movement of the unvaporized liquid and of the said float member away from the closed end, the cessation of heat application causing return of the liquid to the closed end during non-application of heat by condensation of the vaporized liquid.

2,241,621
METHOD OF AND MEANS FOR SEPARATING GASES FROM LIQUIDS
Mark Shoeld, Baltimore, Md.
Application July 31, 1937, Serial No. 156,792
13 Claims. (Cl. 62—119)



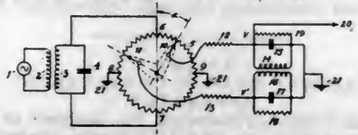
1. In ammonia absorption refrigeration systems, apparatus comprising spaced inner and outer chambers, the said inner chamber having a heat-conducting wall, means for directing concentrated ammonia solution in a zigzag path downwardly in the outer chamber and for directing ammonia gas separated from the solution countercurrent to the said solution, means for conducting the resulting weakened ammonia solution from adjacent the bottom of the said outer chamber into the lower portion of the said inner chamber, means for directing the said weakened ammonia solution from the outer chamber in a zigzag path upwardly through the said inner chamber, and means for heating ammonia solution in the lower portion of the said outer chamber.

2,241,622
RECORD CUTTING DEVICE
George Silber and Victor Silber, Brooklyn, N. Y.
Application April 22, 1939, Serial No. 269,523
1 Claim. (Cl. 274—13)



In a record cutting device, in connection with

2,241,615
ELECTRIC PHASE CONTROL SYSTEM
Jozef Plebanski, Warsaw, Poland, assignor to Radio Patents Corporation, a corporation of New York
Application February 24, 1940, Serial No. 320,725
In Poland February 25, 1939
10 Claims. (Cl. 178—44)



1. A potentiometric system comprising four substantially equal resistance units connected to form a bridge circuit, means for applying an input voltage between one pair of diagonal apices of said bridge, the remaining apices being connected to the zero potential point of said system, a movable contact arranged to progressively engage said resistance units in succession, an output circuit connected between said contact and the zero potential point, said resistance unit being of non-uniform design to obtain a substantially sinusoidal amplitude variation of the voltage in said output circuit by a complete movement of said contact along said resistance units.

2,241,616
TRANSMISSION LINE
Hans Otto Roosenstein, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 6, 1938, Serial No. 244,164
In Germany December 1, 1937
4 Claims. (Cl. 178—44)



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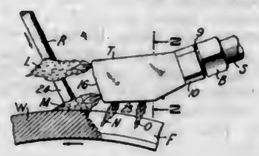
2,241,617
TRIANGULAR JOIST
Allen I. Rubin, Mount Vernon, N. Y.
Application July 27, 1940, Serial No. 347,855
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7. A metal joist of triangular cross-section and being inverted with its base in upper position, said metal joist comprising a trussed top chord, a lower chord spaced apart from said top chord and having horizontal end extensions, said top chord including two elongated and spaced-apart members having portions thereof positioned in a horizontal plane forming the upper surface of said joist, said top chord comprising substan-



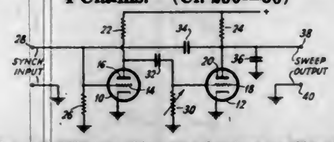
tially U-shaped bearing means, the legs of said U-shaped bearing means being secured to said spaced-apart members, and means for bracing said upper and lower chords, said bracing being welded to said upper and lower chords.

2,241,618
BLOWPIPE TIP
Marvin R. Scott, Cleveland, Ohio, assignor to Oxweld Acetylene Company, a corporation of West Virginia
Application July 12, 1939, Serial No. 283,949
7 Claims. (Cl. 158—27.4)



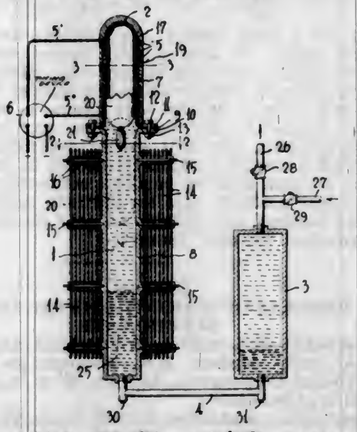
1. A blowpipe tip for carburizing flame welding rotating ferrous metal parts arranged to form a circumferential welding groove, such as a V, said tip comprising a one-piece metal body having: a relatively short gas inlet chamber extending from the rear end of the tip; an elongated primary gas outlet passage extending from the bottom of said chamber to the front end face of the tip, and being adapted to discharge a main welding flame into said V and against a body of weld metal maintained thereby in a welding state; an elongated auxiliary gas outlet passage extending from the bottom of said chamber to said front end face, and adapted to discharge against a welding rod being fed into said body of weld metal a preheating flame at a place which is spaced on such rod a relatively short distance above said body of weld metal when the tip is in a normal operating position; the longitudinal axes of said chamber and passages being disposed in the central longitudinal-vertical plane of the tip with the axis of said primary gas outlet passage disposed in spaced parallel relation below the axis of said chamber and the axis of said auxiliary gas outlet passage so disposed above the axis of said chamber and in upwardly and forwardly inclined relation to the axis of said primary gas outlet passage, that the preheating flame is normally not discharged toward said body of weld metal; each of said gas outlet passages having a large inlet bore and a small outlet bore in axial alignment; secondary gas passages extending from the bottom of said chamber; and a plurality of gas outlet passages extending from said secondary gas passages to the bottom surface of the tip and being adapted to discharge spaced preheating flames against the V surfaces in advance of the welding operation.

2,241,619
OSCILLATOR
Jesse B. Sherman, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
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4 Claims. (Cl. 250—36)



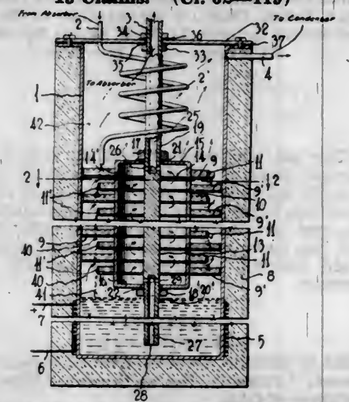
1. An oscillator for producing voltage variations of saw-tooth wave form comprising a first and a second electron tube each having a cathode, a control electrode and an anode, means for connecting each of the cathodes to ground, means including separate resistances for maintaining each of the anodes positive with respect to its associated cathode, separate resistances for connecting each of the control electrodes to ground, means including a condenser for connecting the anode of the first electron tube to the control electrode of the second electron tube, means including another condenser for connecting the anode of the second electron tube to the control electrode of the first electron tube, a charging condenser connected between the anode of the second electron tube and ground, an output circuit connected to the anode of said second electron tube, and means for applying negative synchronizing impulses to the control electrode of said first electron tube whereby the tubes may be rendered alternately conducting and whereby a voltage variation of substantially linear saw-tooth wave form may be caused to appear across said charging condenser.

2,241,620
MEANS FOR PRODUCING PULSATING MOVEMENT
Mark Shoeld, Baltimore, Md.
Application April 10, 1937, Serial No. 136,211
6 Claims. (Cl. 60—25)



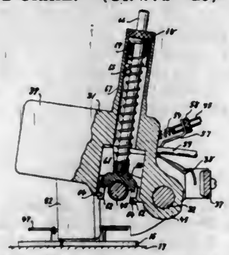
1. Apparatus comprising a tubular means constructed of heat-conducting material and having a closed end and an open end, a vaporizable, pressure transmitting liquid in said tubular means, a float member in the liquid within the tubular means movable toward and away from the said closed end by evaporation of part of said liquid and defining with said tubular means an interspace, the said interspace being accessible to and occupied by said liquid in the tubular means, and means for heating at intervals said liquid in said interspace to effect vaporization of part of the liquid during application of heat and to cause movement of the unvaporized liquid and of the said float member away from the closed end, the cessation of heat application causing return of the liquid to the closed end during non-application of heat by condensation of the vaporized liquid.

2,241,621
METHOD OF AND MEANS FOR SEPARATING GASES FROM LIQUIDS
Mark Shoeld, Baltimore, Md.
Application July 31, 1937, Serial No. 156,792
13 Claims. (Cl. 62—119)



1. In ammonia absorption refrigeration systems, apparatus comprising spaced inner and outer chambers, the said inner chamber having a heat-conducting wall, means for directing concentrated ammonia solution in a zigzag path downwardly in the outer chamber and for directing ammonia gas separated from the solution countercurrent to the said solution, means for conducting the resulting weakened ammonia solution from adjacent the bottom of the said outer chamber into the lower portion of the said inner chamber, means for directing the said weakened ammonia solution from the outer chamber in a zigzag path upwardly through the said inner chamber, and means for heating ammonia solution in the lower portion of the said outer chamber.

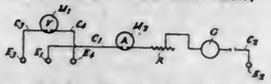
2,241,622
RECORD CUTTING DEVICE
George Silber and Victor Silber, Brooklyn, N. Y.
Application April 22, 1939, Serial No. 269,523
1 Claim. (Cl. 274—13)



In a record cutting device, in connection with

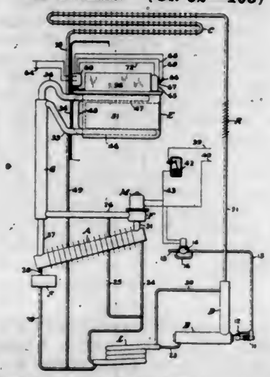
a feed screw and a carriage to be moved by said screw, a jaw adapted to mesh with said screw when moved onto said screw in a predetermined direction, tension means reacting between said carriage and jaw in said direction, a rod extending from said jaw in said direction, a guide means on said carriage loosely accommodating said rod so that said jaw may swing relatively to said carriage substantially in an arc around said guide means at right angles to the axis of said screw, and guide means fixedly allocating said jaw upon said carriage in the direction of the axis of said screw.

2,241,623
ELECTRICAL SURVEYING
Daniel Silverman and Paul F. Hawley, Tulsa, Okla., assignors to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application October 23, 1939, Serial No. 300,712
6 Claims. (Cl. 175—182)



2. The method of electrical surveying which comprises passing an electrical current through the earth between a current electrode adjacent the surface thereof and a distant grounded electrode, and measuring the potential difference between two grounded electrodes on opposite sides of said current electrode and equally spaced therefrom.

2,241,624
REFRIGERATION
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application July 20, 1938, Serial No. 220,200
25 Claims. (Cl. 62—105)



1. Refrigerating apparatus comprising an evaporator, an ice freezing tank mounted to contact said evaporator at a plurality of spaced points, and means operable to shift said tank with respect to said points in order to release previously frozen ice therefrom and to cause said evaporator to freeze ice at newly selected points.

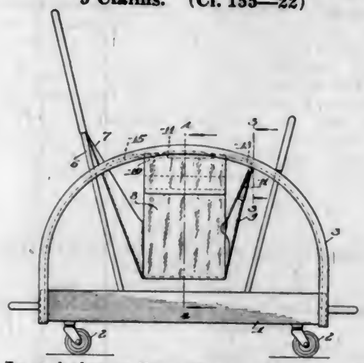
2,241,625
SIGN
Jack Lewis Tway, Atlanta, Ga.
Application December 12, 1938, Serial No. 245,272
2 Claims. (Cl. 40—135)

2. A sign comprising, in combination: a face sheet of material having a plurality of openings therein to provide a stenciled character with portions of said sheet separating certain of said openings which together delineate said character; a plurality of sheets of frangible material assembled in the rear of said face sheet with their edges



meeting behind said portions; portions of the meeting edges of the frangible sheets cut away; a receptacle having an open face enclosing said frangible sheets and a rivet passed through said face sheet, the space provided by said cut away portions, and the back of said receptacle to secure the parts together.

2,241,626
BABY WALKER
William C. Baxter, Rochester, N. Y., assignor to Trimble Nurseryland Furniture, Inc., Rochester, N. Y., a corporation of New York
Application February 13, 1940, Serial No. 318,775
5 Claims. (Cl. 155—22)

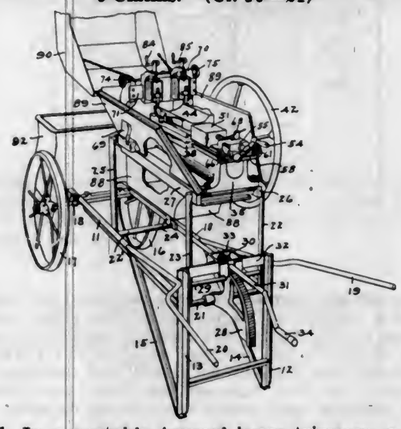


1. In a baby walker, the combination with a back frame, of arch-shaped hollow metal side arms which have their bottom walls slotted to afford channels with overhanging flanges adjacent to said slots, a flexible seat having a back portion secured to said back frame and front and side portions, and a U-shaped attaching device having a central portion connected to said front seat portion and leg portions connected to said side seat portions, said leg portions having their ends located and slidable in said channels and supported on said flanges.

2,241,627
PROCESS OF MAKING A METAL LIGNIN SULPHONATE
Howard B. Birt, William C. Pritchard, and Robert A. Daily, Muncie, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 2, 1938, Serial No. 228,182
4 Claims. (Cl. 260—124)

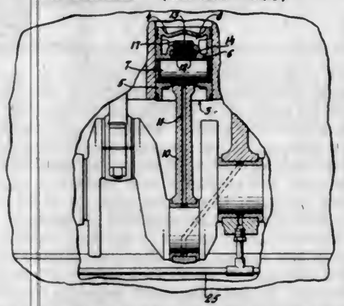
1. The process of obtaining hardwood lignin sulphonic acid in a substantially pure state comprising the steps of, boiling hardwood with dilute sulphuric acid, sulphonating the residue and thereby forming soluble substantially pure lignin sulphonic acid, and then separating the lignin sulphonic acid from the insoluble residue.

2,241,628
JOURNAL BRASS TRIMMER
William T. Bissell, Indianapolis, Ind., assignor to Journal Box Servicing Corporation, Indianapolis, Ind., a corporation of Indiana
Application June 9, 1938, Serial No. 212,754
6 Claims. (Cl. 90—24)



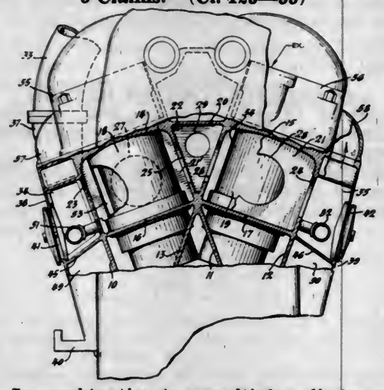
1. In a portable journal brass trimmer, a vehicle carrying a cutting device, and means for raising and lowering the device for use in one position and transportation in the other, a frame, handle extensions at one end of the frame, an axle at the other end of the frame from the handles supporting the frame, said device being mounted on the frame to one side of the axle to be lowered toward the axle, and counterbalancing carrying means carried by the vehicle on the other side of the axle.

2,241,629
OIL COOLED PISTON
William E. Brill, Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 20, 1940, Serial No. 330,638
2 Claims. (Cl. 123—176)



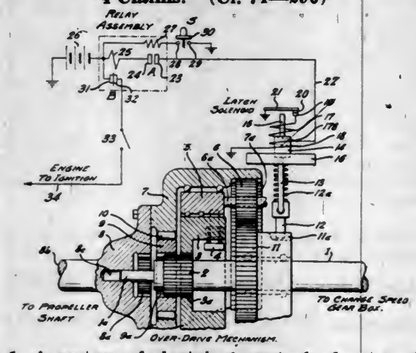
1. In an engine and in combination with a piston having a head, and a piston pin the ends of which are supported in bearings carried by a peripheral wall depending from said head; a connecting rod which oscillates about said piston pin as a center, and which rod has a cylindrical seat at its upper end and a longitudinally extending oil passage; a transverse partition above the upper end of said connecting rod whereby an oil chamber is provided within the upper end of the piston; a hollow cylindrical shoe independent of said piston pin and of the bearings therefor and of said partition, and which shoe is supported by said partition and has a cylindrical seat with which the seat aforesaid contacts and a port through which oil flows into said oil chamber; and an overflow passage leading from the upper part of said chamber downward and discharging into the crankcase of the engine.

2,241,630
INTAKE SYSTEM FOR INTERNAL COMBUSTION ENGINES
William E. Brill, Cleveland, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 22, 1940, Serial No. 346,793
5 Claims. (Cl. 123—55)



1. In combination in a multiple cylinder cylinder block having two banks of parallel cylinders spaced apart from the side walls of the block so as to provide an internal closed space surrounding said cylinders, and cylinder heads upon the upper ends of said banks; two oppositely located supply passages extending one along the outer side of each bank, and which passages are placed in communication with the interior of said block through holes in the outer side walls thereof; and a plurality of supply conduits leading upward from said passages, one to each of said cylinder heads.

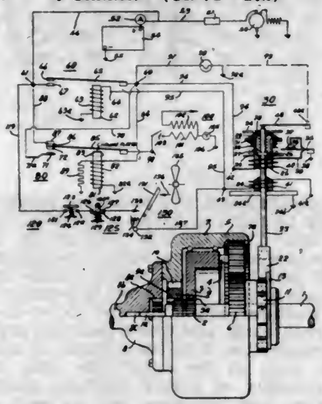
2,241,631
OVERDRIVE CONTROL SYSTEM
Edward M. Claytor, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 23, 1938, Serial No. 241,917
4 Claims. (Cl. 74—290)



1. A system of electrical control of automobile

overdrives comprising the combination with an overdrive mechanism having a sun gear and a latch for restraining movement of the sun gear, of a latch operating electromagnet, a current source, a switch for connecting the winding of the latch magnet with the current source, a normally closed, magnet opened relay switch for connecting the current source with the automobile engine ignition, said relay switch having a magnet coil in series with the current source and latch magnet windings for the purpose of opening the ignition circuit when the latch magnet operates to retract the latch from the sun gear, and means responsive to the retractive movement of the latch for decreasing the amount of current flowing through the relay switch magnet coil whereby the relay switch recloses the ignition circuit after the latch has been retracted from the sun gear.

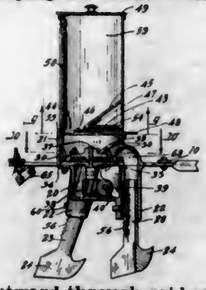
2,241,632
OVERDRIVE CONTROL SYSTEM
Edward M. Claytor, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 10, 1939, Serial No. 303,784
7 Claims. (Cl. 74—472)



1. An overdrive control system for an automotive vehicle propelled by an internal combustion engine having electrically operated ignition apparatus, comprising the combination of a sun-gear-locking pawl, a spring for urging the pawl into non-locking position, a current source, a solenoid for moving the pawl into locking position, said solenoid having an armature attracting coil and an armature holding coil, a solenoid relay having a magnet coil and a pair of normally open contacts for connecting the current source with the solenoid attracting coil, a control circuit including switches for connecting the current source directly with the solenoid holding coil and with the solenoid relay coil, both of said coils being in parallel, and a measured time relay for maintaining the ignition inoperative for a predetermined time after deenergization of the solenoid relay, said measured time relay having a magnet coil disconnected from the current source in response to the opening of said control circuit.

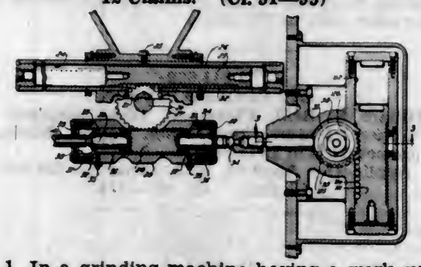
2,241,633
PLANTER
Angelo Croce, Welby, and Joseph F. Heffner, Denver, Colo.
Application December 16, 1938, Serial No. 246,099
4 Claims. (Cl. 221—125)

1. A seed feeding mechanism for planters having a plurality of seeding plows comprising: a vertically-walled, open-topped cylindrical housing having a plurality of seed openings in its wall; a closed bottom in said housing; a seed conduit leading outward and downward from each seed opening to one of the seeding plows; means for sweeping the seeds from said bottom



horizontally outward through said seed openings; and a vertical rotatable, cylindrical sleeve valve fitted snugly within said housing, said valve having ports in its vertical walls which may be brought into register with said seed openings to control the flow through the latter and means for rotating said sleeve valve about its axis.

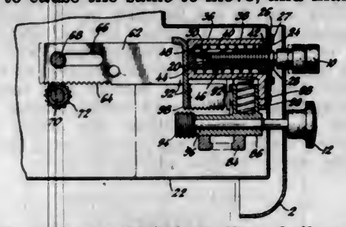
2,241,634
AUTOMATIC INFEED MECHANISM FOR GRINDING MACHINES
Jacob Decker, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application April 12, 1940, Serial No. 329,333
12 Claims. (Cl. 51—95)



1. In a grinding machine having a work support and a grinding wheel support, the combination of an infeeding mechanism therefor including an intermeshing worm and worm gear, motion transmitting means connecting the worm gear to the movable support, a manually operable means for rotating said worm to adjust the support through the worm gear, a fluid operable piston for shifting the movable support at a rapid rate whereby said worm is shifted axially by reaction of the worm gear thereon, a cam for limiting the extent of axial movement of said worm, and means to actuate said cam to produce additional movement of the support by the piston at a feeding rate under control of said cam.

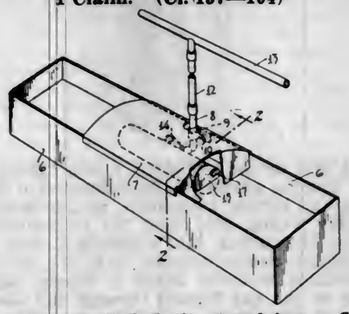
2,241,635
MECHANICAL DRIVE
William C. De Roo, Kokomo, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 28, 1938, Serial No. 216,233
8 Claims. (Cl. 74—10)

1. In a control device, a rotatable shaft, a reciprocable means operatively connected thereto for turning the latter, manually reciprocable means engaging the first named reciprocable means to cause the same to move, and manually



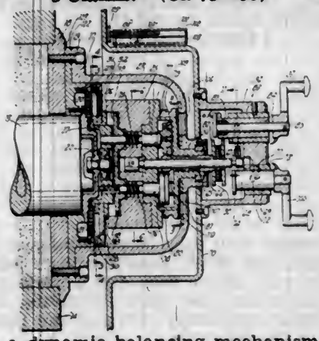
rotatable means adapted to threadedly engage the first named reciprocable means to cause it to move, said movement in either case causing shaft rotation for index purposes.

2,241,636
WATER LEVEL CONTROLLER
Elmer Eliason, Brookpark, Minn.
Application April 18, 1940, Serial No. 330,305
1 Claim. (Cl. 137—104)



A float controlled device involving a flexible and collapsible delivery tube, a float that is of greater length than width, and a clamping bar detachably engageable with the ends of said float with its intermediate portion detachably connected to the delivery end of said tube.

2,241,637
DYNAMIC BALANCING MECHANISM FOR MACHINE TOOLS
Hans Ernst, Cincinnati, and Albert H. Dall, Silverton, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application May 17, 1938, Serial No. 208,443
8 Claims. (Cl. 73—53)

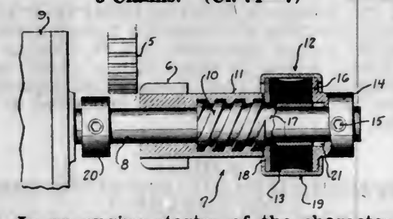


8. In a dynamic balancing mechanism for the rotatable part of a machine, the combination of a support connectible for rotation by said part, a pair of balancing weights carried by said support, a first mechanism for effecting relative angular adjustment of said weights, a second mechanism for effecting bodily adjustment of said weights as a unit while maintaining their angular relationship, motion transmitting connections to said mechanisms including reversible driving worms, a first means to determine the direction of actuation of the worms and a second means selectively determinative of the operative effect of the worms during a particular direction of rotation thereof.

2,241,638
PROTECTION OF ALUMINUM
Paul D. Ffield, Quincy, Mass., assignor, by mesne assignments, to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application June 4, 1938, Serial No. 211,947
6 Claims. (Cl. 23—240)

1. In a gasoline tank or aluminum-containing construction, water in which a chromate is dissolved and gasoline which has mixed therewith a compound of a metal which is electropositive to aluminum.

2,241,639
ENGINE STARTER
John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application February 20, 1939, Serial No. 257,438
5 Claims. (Cl. 74—7)

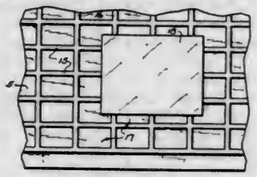


1. In an engine starter of the character described: a power shaft; an abutment fixed on the shaft; a pinion actuator on the shaft freely movable thereon and having a sleeve portion at all times adjacent to said abutment; a pinion; a threaded connection between the pinion and its actuator; a rubber ring tightly embracing the sleeve portion of the actuator and frictionally engaging the abutment; a washer loosely encircling said sleeve portion and engaging the side of the rubber ring opposite its side which engages the abutment; and means for holding said washer and abutment together to compress the rubber ring therebetween and maintain frictional contact between the bore of the rubber ring and said sleeve portion and between the abutment and the adjacent side of the ring.

2,241,640
CONVEYER
John D. Hemley, Ottawa, Ill., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 8, 1938, Serial No. 244,524
3 Claims. (Cl. 198—193)

1. A conveyer for conveying glass sheets or plates during the assembling thereof with an interposed layer of plastic material in the manu-

facture of laminated safety glass, comprising an endless belt of flexible material, and a series of longitudinally and transversely extending ribs carried thereby for supporting the sheets or plates in spaced relation to the body of the belt



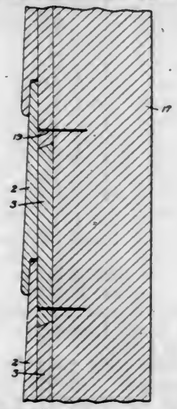
when said sheets or plates are laid horizontally thereupon and also cooperating with one another to steady the glass sheets or plates and prevent tipping or tilting thereof during the assembling operation.

2,241,641
PROCESS OF AND COMPOSITION FOR CLARIFYING WATER
Rowland R. Magill, Atlanta, Ga., assignor to Joseph F. Gunther and Gerard K. Gunther, both of University City, Mo.
No Drawing. Application May 29, 1939, Serial No. 276,418
19 Claims. (Cl. 210—23)

3. The process of clarifying turbid water which comprises adding to the water to be treated a coagulant-forming composition including sodium chloride, sodium aluminate, and a metallic salt whose oxide is insoluble in water and acts catalytically with sodium chloride and sodium aluminated.

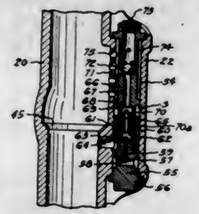
6. The process of clarifying turbid water which comprises mixing a composition including sodium chloride, sodium aluminate, and an alkaline salt of silicate soluble in water with a turbid water containing lime to form a coagulated suspension which precipitates with itself impurities in the water.

2,241,642
PREFABRICATED UNIT COMPRISING SIDING AND SHEATHING
Willis J. McCauley, Chicago, Ill., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application June 25, 1938, Serial No. 215,911
9 Claims. (Cl. 20—5)



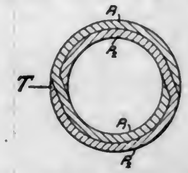
1. A building unit for walls comprising combined sheathing and siding, the siding offset in such manner as to provide a longitudinal as well as a transverse nailing portion on the sheathing adapted to be covered by complementally offset portions of the siding of a similarly formed adjoining unit in the building of the wall, complemental means formed on the top and bottom edges of the sheathing cooperating with interfitting tongue and groove construction of the siding for interlocking the bottom and top edges of the adjoining units, and complemental means formed on the two vertical side edges of the sheathing for interfitting relation with the vertical side edges of the adjoining units.

2,241,643
FLOW DEVICE
Roy E. Millican, Dallas, Tex., assignor of fifty-four and one-fourth per cent to Carlton Meredith, Dallas, Tex.
Application April 1, 1939, Serial No. 265,414
21 Claims. (Cl. 103—233)



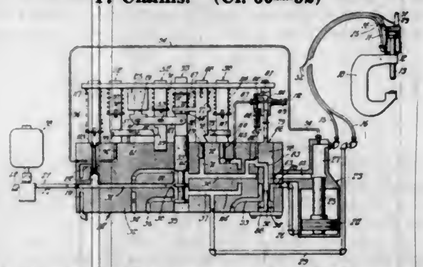
1. A flow device including, a well tubing, a tubular housing adapted to be connected in the well tubing and having a gas inlet, an admission tube assembly within said inlet for introducing the gas into the tubing, said assembly having means establishing communication with the interior of the housing whereby liquid is drawn from the tubing by the gas flowing through the assembly, means at the upper end of the assembly establishing communication between the assembly and tubing thereabove, whereby the liquid is carried through the assembly and ejected back into the tubing with the inflowing gas, and a spring-pressed plunger also disposed within the gas inlet for controlling the admittance of the lifting gas into said assembly.

2,241,644
MULTIPLY TUBING
Charles A. Nichols and Raymond H. Bish, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application August 5, 1938, Serial No. 223,245. Divided and this application September 9, 1939, Serial No. 294,112
3 Claims. (Cl. 138—62)



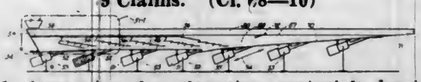
1. A double-wall tube comprising two plies of strip stock, each of the plies forming a portion of the inner wall of the tube and a portion of the outer wall of the tube, each ply having its outer wall portion completely covering the inner wall portion of the other ply.

2,241,645
PRESS AND THE LIKE
Victor W. Peterson and Otto J. Maha, Chicago, Ill., assignors to Hannifin Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application July 20, 1936, Serial No. 91,630
17 Claims. (Cl. 60—52)



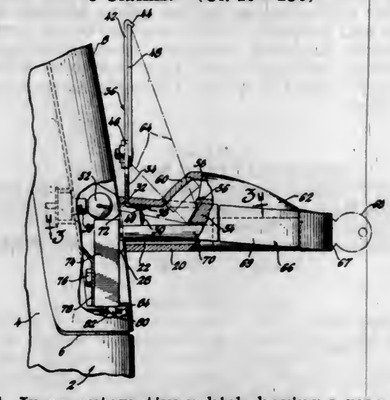
1. A press of the character described comprising in combination a hydraulic press cylinder and piston, a source of primary pressure fluid for operating said press piston to cause the same to close upon the work, an intensifier for increasing the fluid pressure delivered to said press cylinder, an intensifier valve subjected to said primary pressure in a direction tending to open it for connecting the primary pressure source to said intensifier, a spring loaded valve controlling said intensifier valve and yieldable at a predetermined pressure to permit opening of said intensifier valve, a trapped body of fluid for transmitting pressure between said spring loaded valve and said intensifier valve, a port controlled by said spring loaded valve and uncovered upon yielding of said spring for allowing said body of fluid to escape to prevent reaction of said spring on said intensifier valve, and means for restoring said body of fluid prior to the next operation of said intensifier.

2,241,646
CLEANSING APPARATUS
George W. Rathjens, Salt Lake City, Utah
Original application May 6, 1935, Serial No. 20,043. Divided and this application September 28, 1937, Serial No. 166,191
9 Claims. (Cl. 68—10)



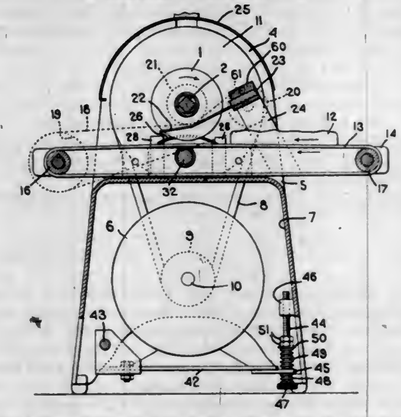
1. Apparatus for cleansing materials having interstices extending therethrough, comprising a container adapted to substantially confine a cleansing liquid on all sides and the bottom and to leave a free top surface therefor: means for causing vigorous, substantially vertical spouting of the cleansing liquid, said means comprising a motor capable of reciprocating the said container along a line having both a vertical component and a horizontal component, in up-strokes and down-strokes at least so rapidly that the said cleansing liquid will descend through a down-stroke faster than would be its descent through the same down-stroke because of the action of gravity alone; and a freely perforate receptacle adapted to confine the material for cleansing, the said perforate receptacle being disposed to roll longitudinally along the said container so that every part of the perforate portion of the said receptacle shall admit the spouting jets of the cleansing liquid to the interior of the receptacle at least once during every revolution thereof, all by reason of the said reciprocation of the container.

2,241,647
LICENSE PLATE AND TRUNK HANDLE ASSEMBLY
Lewis B. Simon, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 16, 1939, Serial No. 295,229
3 Claims. (Cl. 40—130)



1. In an automotive vehicle having a rear door, a hollow casting secured to the door and comprising a mounting means for a license plate holder and a mounting means for a latch for the door, a handle mounted in the casting and capable of use to raise the door or of being rotated to operate the latch, a window in the casting, an inclined mirror in the casting adjacent the window, a source of light in the door capable of shining through an opening therein onto the mirror, and a license plate holder mounted on the casting and having a license plate therein capable of being illuminated by light from the source reflected from the mirror through the window.

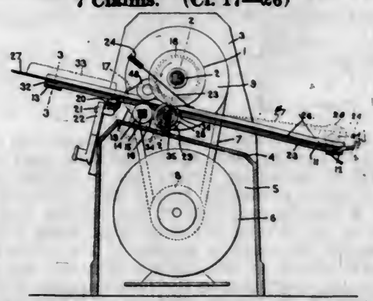
2,241,648
MEAT-SLITTING MACHINE
Joseph P. Spang, Quincy, Mass., assignor to Cube Steak Machine Company, Inc., Boston, Mass., a corporation of Massachusetts
Application July 8, 1939, Serial No. 283,449
5 Claims. (Cl. 146—98)



1. A meat-slitting machine comprising a machine frame having two uprights, a set of rotary slitting knives carried by said uprights, means to rotate the knives, an apron-supporting frame

mounted on the machine frame between said uprights and comprising two side rails, an endless feed apron carried by said apron-supporting frame and providing an input portion to feed a slice of meat to the knives and an output portion to deliver the slit slice from the knives, means to operate the apron, a pair of notched arms rising from each side rail, a sheet metal bridge member extending across the apron beneath the knives and supported in the notches of the arms, said apron spanning the space between the input and output portions of the apron and over which the slice of meat is fed as it is being acted on by the knives.

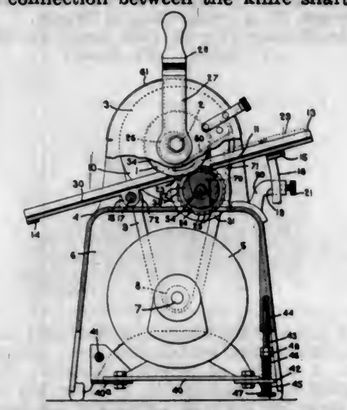
2,241,649
MEAT-SLITTING MACHINE
Joseph P. Spang, Quincy, Mass., assignor to Cube Steak Machine Company, Inc., Boston, Mass., a corporation of Massachusetts
Application November 29, 1939, Serial No. 306,635
7 Claims. (Cl. 17—26)



1. A meat slitting machine comprising a set of rotary knives, means to rotate the knives, a supporting member beneath the knives over which a meat-supporting plate may be moved to carry a slice of meat to be slit past the knives, a platform element separable from the machine and presenting a receiving platform section, a delivery platform section and a raised meat-supporting portion between said platform sections and provided with knife-receiving grooves, said platform element being adapted to be removably installed in the machine on the supporting member with the knives dipping into said grooves, whereby, when said platform element is so installed, a slice of meat will be cut into separate strips when it is fed over the platform element past the knives.

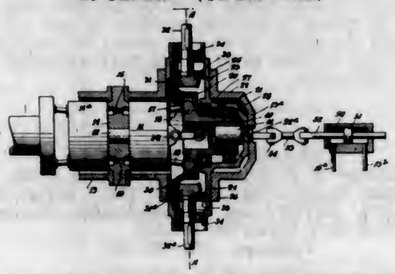
2,241,650
MEAT-SLITTING MACHINE
Joseph P. Spang, Quincy, Mass., assignor to Cube Steak Machine Company, Inc., Boston, Mass., a corporation of Massachusetts
Application January 2, 1940, Serial No. 312,009
4 Claims. (Cl. 146—98)

1. A meat-slitting machine comprising a frame, a knife shaft rotatably carried thereby, a set of rotary slitting knives mounted on said shaft, means to rotate the knife shaft, a meat-supporting bed over which a slice of meat may be carried past the knives, a feed roll beneath the knives and mounted with its upper surface projecting partially through the bed, said feed roll having a plurality of circumferential grooves, one for each knife, means for relatively adjusting the knives and the feed roll between a relative position in which the knives dip into said grooves of the feed roll and a relative position in which the upper surface of the feed roll is below the knives, means for maintaining the knives and feed roll in any adjusted relative position during operation of the machine, and a direct frictional driving connection between the knife shaft and



the feed roll by which the latter is rotated from the former, said driving connection being operative in all relative adjusted positions of the knives and feed roll.

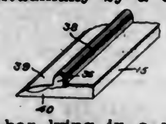
2,241,651
HYDRAULIC DEVICE
Hans Thoma, Karlsruhe, Baden, Germany
Application April 17, 1939, Serial No. 268,289
In Germany February 21, 1938
10 Claims. (Cl. 103—162)



1. In a hydraulic displacement device, a rotatable cylinder block formed with cylinder bores, pistons in said bores, piston rods connected to said pistons, the other ends of said piston rods being all connected to a rotatable driving means, a support upon which said driving means is journaled, said support being journaled for oscillation about an axis which intersects and is located at an angle to the axis of rotation of said cylinder block, and gearing means for rotating said driving means including a gear attached to said driving means and a gear meshing with said first mentioned gear, said gearing means being so constructed and arranged that said support may be oscillated about its axis without altering the meshing of said gearing.

2,241,652
METHOD OF MAKING WELTING
William C. Vizard, Brockton, Mass., assignor to Barbour Welting Company, Brockton, Mass., a co-partnership composed of Perley E. Barbour, Walter G. Barbour, and Richard H. Barbour
Application June 22, 1940, Serial No. 341,871
8 Claims. (Cl. 12—146)

1. The method of producing two welt strips from a double fillet of less width than the combined width of stock in single fillets required for the two beaded welts made from said strips, each strip being of greater overall width than one half of the width of the fillet and each having a flange along one edge adapted for cutting a flap for forming up into a longitudinal bead within the edges of the severed strip, comprising severing the fillet longitudinally by a cut formed by a



buried center bar lying in a plane parallel to both faces of the fillet, a bar at one end thereof emerging at one face of the fillet and in a direction inclined to said face and away from said end of the center bar and a bar at the other end of the center bar emerging at the opposite face of the fillet and extending in a direction inclined with respect to said face and towards the opposite end of the center bar.

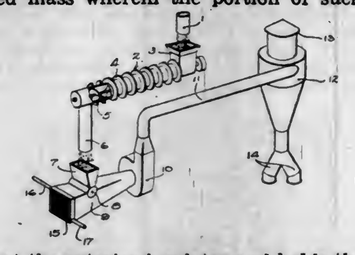
2,241,653
SHOE
Sylvester A. Weyenberg, Milwaukee, Wis., assignor to Simplex Shoe Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application June 17, 1940, Serial No. 340,909
1 Claim. (Cl. 36—54)



In a shoe, the combination with an upper having fastening means disposed in rows adjacent its forward margins, of fastener-reinforcing stay elements secured inwardly of said upper adjacent said forward margins, a tongue mounted to lie underneath the forward margins of the upper, and a tab integral with one of the stay elements and extending transversely of the shoe from an intermediate portion of the rear edge of said last-mentioned stay element and connected to said tongue.

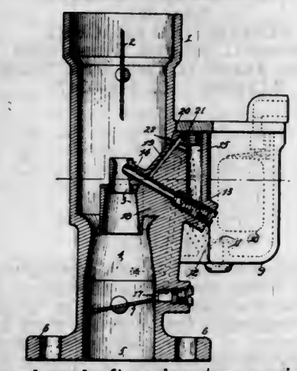
2,241,654
ART OF PRESERVING VALUABLE ELEMENTS OF ORGANIC MATERIALS
Gerald D. Arnold, Wauwatosa, Wis.
Application September 22, 1938, Serial No. 231,110
2 Claims. (Cl. 99—2)

1. The method of treating freshly grown edible organic produce with a high natural moisture content of growth to preserve its food value and vitamin and carotene content, such method comprising the comminution of the produce, the artificial dehydration of the comminuted produce to such a point as to be permanently keeping, the substantially immediate chilling of the dried comminuted produce to temperatures approximating 70° F. and not substantially higher before packaging the produce, and the subsequent storage of the produce in a tightly packed mass wherein the portion of such pro-



duce at the exterior insulates and holds the portion of such produce interiorly of the mass substantially at said temperatures until withdrawn for use.

2,241,655
CARBURETOR
Harold A. Carlson, University City, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application November 3, 1938, Serial No. 238,602
7 Claims. (Cl. 261—41)

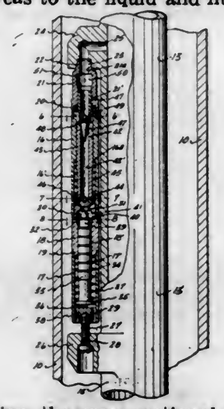


2. In a downdraft carburetor, a mixture conduit including a venturi tube, a constant level chamber, a main fuel passage communicating with said chamber through a metering orifice and extending upwardly into said conduit, and a vapor venting passage having a part extending from the lower portion of said fuel passage posterior to said metering orifice substantially more directly upwardly than said fuel passage, both of said passages leading into the throat of said venturi so as to be subjected to substantially identical suction conditions during operation, said vapor venting passage extending to a higher level than said fuel passage whereby the drawing of fuel through said venting passage is minimized.

2,241,656
MEANS FOR FLOWING WELLS
Charles S. Crickmer, Dallas, Tex., assignor to Merla Tool Company, Dallas, Tex., a firm of Texas
Application December 21, 1936, Serial No. 116,937
15 Claims. (Cl. 103—232)

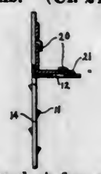
1. A well flowing apparatus including, a tubing having an influent liquid inlet and an inlet for admitting a lifting fluid, and a valve for controlling the admission of the lifting fluid and actuated by the differential in pressure between

the influent in the tubing and the lifting fluid in the casing, said valve exposing different cross-sectional areas to the liquid and fluid when in a



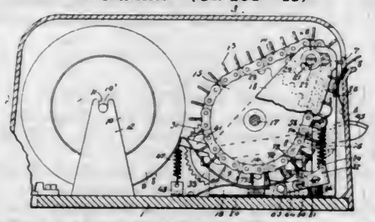
closed position, the cross-sectional area which is exposed to the liquid being greater than the cross-sectional area exposed to the fluid.

2,241,657
SUPPORTING BRACKET
Herbert C. Dehring, Genoa, Ohio
Application August 12, 1939, Serial No. 289,733
6 Claims. (Cl. 248—247)



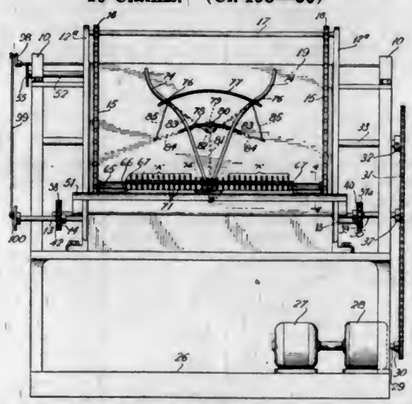
6. A stamped bracket for supporting raceways comprising a flat portion, a dependent portion struck at substantially right angles to said flat portion, a dependent finger struck from said dependent portion, a dependent finger struck from said flat portion above said dependent portion, said dependent fingers adapted to secure a raceway to said bracket, and a plurality of lugs struck from said flat portion below said dependent portion for holding said bracket in position after it is installed between a mopboard and a wall.

2,241,658
APPARATUS FOR DISPENSING GUMMED TAPE
Ralph E. Engberg, Geneva, N. Y.
Application September 15, 1938, Serial No. 229,999
2 Claims. (Cl. 164—43)



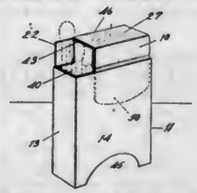
1. In an apparatus for feeding gummed tape, which adheres without moistening, the combination with means for feeding the tape which means includes an endless belt having around its periphery transverse spaced apart blades to the outer edges of which the gummed side of the tape is adapted to adhere without moistening, said means utilizing only the adhesiveness of the gum for driving engagement of the tape with said blades, means for driving said belt in one direction, means for engaging following portions of the tape with said blades as the latter travel in an orbit, means for detaching the tape from each of said blades when the blade reaches a predetermined point ahead, and means for severing the tape at the rear of and spaced from said point.

2,241,659
FEEDING AND CENTERING MECHANISM
Martin E. Fonken, Beloit, Wis., assignor of one-half to L. E. Caster, Rockford, Ill.
Application October 3, 1939, Serial No. 297,724
10 Claims. (Cl. 198—30)



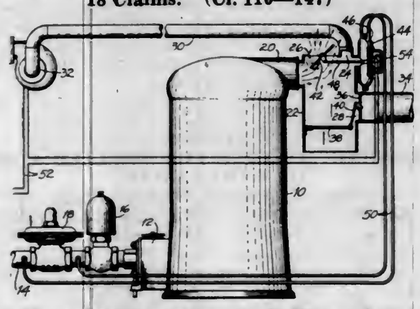
1. In an apparatus for handling strips of material, a feed mechanism therefor; said mechanism embodying laterally spaced conveyor chains movable in a constant direction; transverse cross-bars connecting spaced portions of said chains; longitudinally movable carriers slidably mounted on said cross-bars; a plurality of independent strip supporting fingers separately pivoted on each of said carriers; and a cam device adapted to be engaged by portions of the fingers on a carrier, whereby to bodily shift the carrier and its fingers in a direction transverse to the travel of said chains.

2,241,660
MATCH BOX
David Otis Ford, Petersburg, Va.
Application July 9, 1938, Serial No. 218,264
11 Claims. (Cl. 206—29)



1. A match box comprising an outer rectangular casing having its bottom and the opposite sides adjacent thereto at least partially open to provide a finger receiving recess and said casing provided at its upper end with a tongue integrally connected at one end to a side of the casing to form a roll type of closure hinged to the casing normally overlapping and thus closing the upper end of the casing, and said tongue having its other end tucked into the interior of the casing in all positions of the top, and an inner rectangular match container slidably mounted in the casing, provided at one side of its top and adjacent sides with a small discharge opening and otherwise completely closed, said container having its lower closed end exposed at the open lower end of the casing to permit the operator to push on the container to elevate the same against the tongue and thus cause the tongue to swing about its hinge and expose the small opening in the top of the container without withdrawing the free end of the tongue from its tucked-in position between a side of the container and the adjacent side of the casing, and said box provided with a strike surface concealed by the casing when in closed position and means operable when the container is elevated to expose said surface.

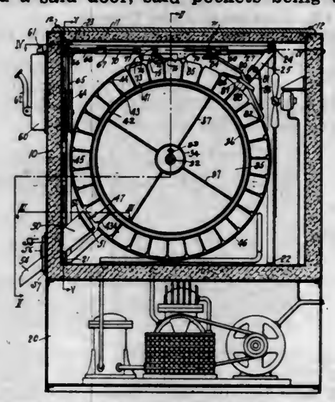
2,241,661
HEATING SYSTEM
Francis A. Furlong, Chicago, Ill., assignor to Autogas Corporation, Chicago, Ill., a corporation of Illinois
Application December 23, 1938, Serial No. 247,352
18 Claims. (Cl. 110—147)



1. In a heating system including a furnace, means to supply fuel to the furnace, and control means for the supply means, the combination of a casing connected to the furnace to receive flue gas therefrom and formed with a pair of openings, means connected to one of said openings to conduct flue gas away from the furnace the other opening communicating with a space to be heated by air circulating through the furnace, a valve controlling the other of said openings, and means controlled by operation of the fuel supply means to operate the valve.

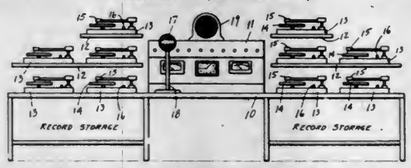
2,241,662
VENDING MACHINE
Lue O. Garner and Fred Montesi, Memphis, Tenn.
Application May 31, 1939, Serial No. 276,624
5 Claims. (Cl. 312—36)

1. A vending mechanism, including a casing having oppositely disposed side openings, and doors for effecting closure of said openings; an axle member disposed transversely across said casing, frame means within said casing relatively transverse to said axle member and substantially at the center thereof, rigidly supporting said member with stub axle portions thereof projecting in opposite directions toward said casing doors; and drum and storage means in duplicate mounted on said stub axle portions; each said drum means being rotatably mounted and adapted for manual actuation, and including a hub member rotatably mounted adjacent said frame means, on a respective said axle portion, a disc secured to and carried by said hub member, means carried by said disc adjacent its periphery establishing a plurality of pockets disposed in annular conformation, concentric with said axle, said pockets extending at right angles from said disc toward a said door, said pockets being open at



the door end thereof; each said storage means including means forming a chamber lying annularly around a said axle portion within the circle of said pockets, and being rigidly mounted on said axle portion, said chamber being open adjacent said door; said door openings and said doors being of sufficient size to allow, when said doors are opened, free access to said pockets for filling thereof and to said storage chamber for filling same and removal of articles therefrom.

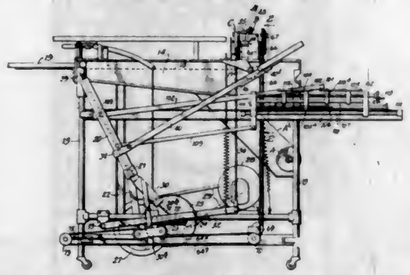
2,241,663
SYSTEM OF COMMUNICATION
Lamar E. Hayslett, Kenmore, and Francis M. Schmidt, North Tonawanda, N. Y., assignors to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation
Application September 3, 1940, Serial No. 355,140
7 Claims. (Cl. 179—6)



1. In a communication system having a central station and a subscriber's station, a phonograph reproducer mechanism, a coin register device, a telephone receiver, and a telephone transmitter located at said central station, a speaker, a transmitter and a coin receiving device at said subscriber's station, a two-wire metallic electric circuit between said stations, said circuit connecting said reproducer mechanism and said speaker, keying means adapted to connect the central station transmitter in said circuit, electrical connections associated with said two-wire circuit at each station and forming therewith a grounded half-phantom circuit between said stations, said coin register device and said coin receiving device being connected in said half-phantom circuit and said receiving device being adapted to actuate said register device through said circuit upon receipt of a coin, and keying

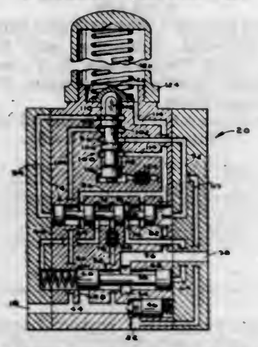
means adapted to connect the subscriber's transmitter and the central station receiver through said half-phantom circuit.

2,241,664
GLUING AND SHEETING MACHINE
John A. Heckman, Chicago, Ill., assignor to Miller Wrapping and Sealing Machine Company, Chicago, Ill., a corporation of Illinois
Application February 24, 1938, Serial No. 192,332
13 Claims. (Cl. 91—49)



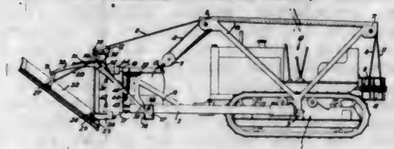
1. In mechanism of the class described, means for intermittently advancing a web, means for applying glue to a predetermined line along one edge of the web while it is advancing, and transversely movable means for applying a line of glue transversely of the web.

2,241,665
POWER TRANSMISSION
Kenneth R. Herman, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application December 24, 1938, Serial No. 247,577
8 Claims. (Cl. 103—42)



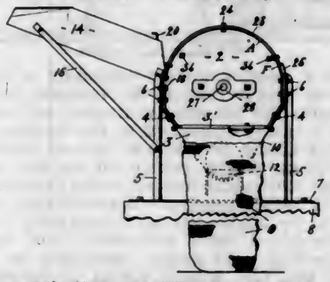
1. In a fluid power transmission for driving an intermittently operating fluid motor, the combination of a continuously running pump, a supply connection from the pump to the motor, an accumulator in the supply connection, means between the pump and the accumulator for preventing flow from the accumulator toward the pump, a bypass between the pump and said means, an unloading valve for opening and closing the bypass, fluid motor means for shifting the unloading valve, a pilot valve for controlling said motor means, fluid motor means for shifting the pilot valve, a spring loaded piston exposed to pressure in the supply line between said flow preventing means and the fluid motor, and a pilot valve operated by the piston for controlling the second mentioned fluid motor means.

2,241,666
GRADER AND ATTACHMENT THEREFOR
Oscar M. Hueter, Jr., Ross, Calif.
Application November 13, 1939, Serial No. 304,064
9 Claims. (Cl. 37—177)



1. In a grader having a source of power thereon and adapted to travel over the ground in one direction, an elongated ground cutting blade, a pivot at one end of said blade securing said blade to said grader in a position extending laterally outwardly of said grader and angularly relative to the line of travel of the grader; said pivot supporting said blade for swinging vertically in opposite directions about said pivot, a cable actuated for longitudinal movement in opposite directions, by said source of power connecting between said source of power and said blade, arranged and adapted to positively swing said blade downwardly about said pivot upon movement of said cable longitudinally in one direction, and to positively secure said blade at any desired point in its downward movement against upward swinging thereof when said movement of said cable in said one direction stops; and means for swinging said blade upwardly about said pivot upon reverse movement of said cable longitudinally in the opposite direction.

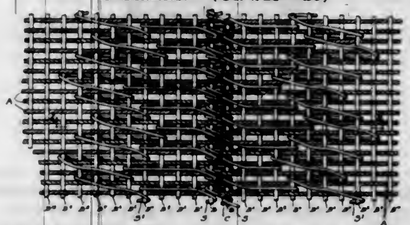
2,241,667
GRINDING MACHINE FOR SHELLED CORN OR OTHER GRAIN
Henry J. Mankoff, Wichita, Kans.
Application April 3, 1939, Serial No. 265,635
4 Claims. (Cl. 83—11)



2. In a grinding machine for shelled corn or other grain, a horizontal trough-like body wall, a head to close each end of the trough, a hood to close the open top of the trough, a feed opening formed between said wall and said hood, a feed chute communicating with said feed opening, a plate adjustably carried above the feed opening to open and close the same, a grinding cylinder having a plurality of radial wings, means to horizontally trunnion the same rotatably in said wall, an extendable blade adjustably secured to the side of each wing to vary the blade extension radially, a perforated arcuate plate secured in said body in working relation to the blades of the cylinder, one arcuate portion of the perforated plate having its radii centering on the axis of rotation of the cylinder while the radii of the other portion are centered eccentrically to said axis and are of greater length than the axis-centered radii to clear said eccentric

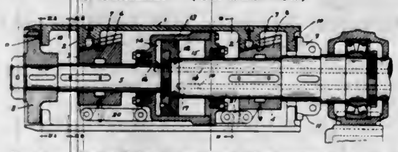
portion from the arcuate sweep of the blades, the terminating edge of said last arcuate portion being secured to said wall, a blade adjustably carried by the wall adjacent the lower side of the feed opening and extending inwardly and across the terminating edge of the first arcuate portion of said perforated plate, there being an arcuate shoulder on each head to conform to said first arcuate portion and upon which said perforated plate will seat, and a concave carried by the hood and spaced inwardly therefrom to form a by-pass, said concave being composed of two groups of rollers and two blades alternating with said groups, said last-mentioned blades coacting with the blades of the cylinder when the latter is rotated, and the rollers of each group being spaced apart and being turned by material in the course of grinding to avoid congestion of material in the by-pass.

2,241,668
SEAM FOR WOVEN WIRE FABRIC
Francis D. Martin, Cleveland, Ohio, assignor to The Lindsay Wire Weaving Company, Cleveland, Ohio, a corporation of Ohio
Application June 19, 1940, Serial No. 341,291
5 Claims. (Cl. 245—10)



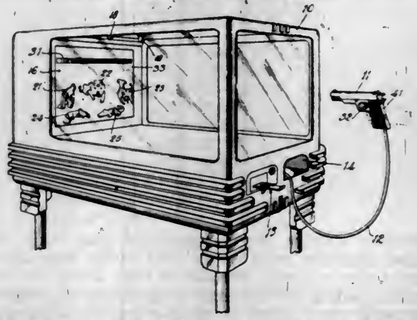
1. A seam for an endless belt, the body of which is composed of warp wires and weft wires, comprising a closing wire and two stitching wires, the stitching wires being disposed on the same side of the seam opening, one stitching wire operating to reinforce the end weft wire and being anchored to spaced weft wires in the body of the fabric and the other stitching wire being located wholly within the body of the fabric and operating to reinforce the weft wires which serve to anchor the first stitching wire.

2,241,669
REEL BLOCK
William M. McConnell, McKeesport, Pa., assignor to Mackintosh-Hemphill Company, a corporation of Delaware
Application August 2, 1940, Serial No. 349,833
6 Claims. (Cl. 242—72)



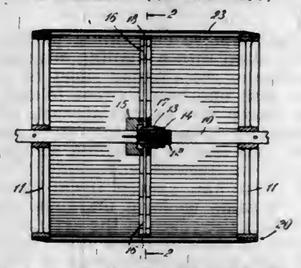
1. In a collapsible mandrel the combination of a rotatable shaft, a piston immovably fixed around the said shaft, a cylinder movable along the shaft and embracing the piston, controlled fluid pressure ducts opening within the cylinder at opposite sides of the piston selectively to apply fluid pressure for moving the cylinder in opposite directions along the shaft, a plurality of mandrel segments mounted around the shaft and cylinder for radial movement with respect thereto; and operating connections functionally between the said segments and the said cylinder, and contained within the space defined by the segments, effective to move the segments radially toward and from the shaft in accordance with the direction in which the cylinder moves along the shaft.

2,241,670
ELECTRIC TARGET RANGE
Archie J. McMaster, Highland Park, Ill., assignor to Rayolite Rifle Range Company, Chicago, Ill., a corporation of Oklahoma
Application March 12, 1938, Serial No. 195,443
14 Claims. (Cl. 273—101.1)



11. In a gun game, in combination, a plurality of targets having stationary positions, an indicating means associated with each target, a photoelectric cell associated with each target, an amplifier, switching means for energizing any one of said indicating means and connecting the associated cell to the amplifier, and an electric motor for continuously operating said switching means to energize the indicating means and connect the associated cell of individual targets in sequence.

2,241,671
PRINTING CYLINDER
Paul Lee Miller, Clearwater, S. C., assignor to United Merchants & Manufacturers, Inc., New York, N. Y., a corporation of Delaware
Application January 29, 1941, Serial No. 376,419
8 Claims. (Cl. 101—407)

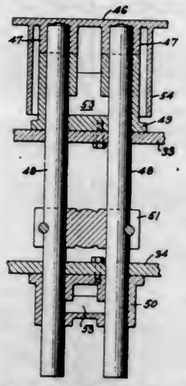


1. A press cylinder having a hollow flexible body and adjustable means for bending outwardly the part of said body intermediate its ends.

2,241,672
FILLING MACHINE
Everett S. Minard, Oakland, Calif., assignor to Walter King, San Francisco, Calif.
Application August 26, 1938, Serial No. 226,943
7 Claims. (Cl. 226—97)

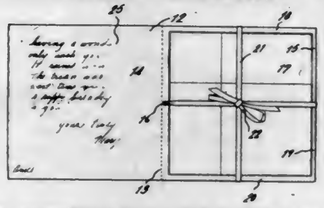
4. In a can filling machine having a revoluble

tank and receptacle actuated valves dependent therefrom and communicable therewith, means for lifting a receptacle into actuating contact with said valves comprising, a lifter plate, bosses dependent therefrom, a pair of rods connected to said lifter plate being seated in said bosses, upper and lower bearings for said rods, a bracket



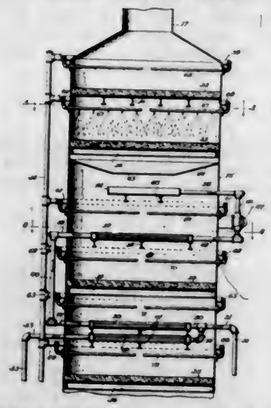
member rigidly interconnecting said rods disposed between said upper and lower bearings, a cam roller on said bracket, a cam track for said roller, means for causing said roller to progress on said track, and a skirt member dependent from said lifter plate covering the uppermost of said bearings.

2,241,673
HANDKERCHIEF PACKAGE
Winifred S. Mogabgab, New Canaan, Conn.
Application September 9, 1939, Serial No. 294,043
1 Claim. (Cl. 206—46)



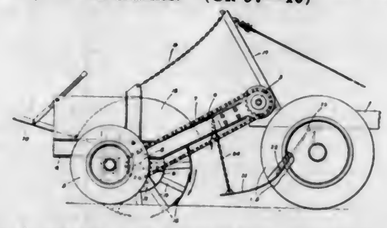
A flat merchandise containing package fashioned to be fitted into a mailing envelope, comprising a single, rectangular sheet of paper or cardboard, with one-half thereof folded along a transverse scored line to overlap each other and form a hingedly connected mounting sheet and cover sheet and free of fastening means, an article located in flatwise engagement with the mounting sheet and spaced inwardly from all edges of the same to form marginal edge portions to protect the edges of the article, the marginal portion of the mounting sheet between the score line and the adjacent edge of the article having a small circular opening located approximately mid-length of said marginal portion and said rectangular sheet being otherwise free of openings therethrough and said cover sheet providing a writing surface continuous between its outlining edges, a flat ribbon for securing the article approximately centered in position on the mounting sheet, said ribbon passed through the opening, extending crosswise of both the rear side of the mounting sheet and the article, lapping the three exposed edges of the mounting sheet substantially at their respective mid-lengths and having its ends tied together to form a flat bow exposed on top of the article, said ribbon passed through the circular opening without material reduction in the width of the ribbon to avoid puckering of the ribbon at this place and said opening acting to resist shifting of the ribbon in any direction in the plane of the mounting sheet.

2,241,674
GAS WASHING APPARATUS
Albert Mohr, Jr., and John P. Grilli, Chicago, Ill.
Application November 1, 1939, Serial No. 302,290
1 Claim. (Cl. 261—39)



A gas washing apparatus embodying a hot washing stage and a cold washing stage, a source of supply of washing water, a plurality of heaters between the hot washing and the cold washing stages and through which heaters the water successively flows, said heaters being heated by the gas from the hot stage, a spraying device leading from one of the heaters and delivering the water at the hot washing stage, a discharge outlet leading from the last said heater, a valve device for controlling the course of flow of the water from the last said heater, whereby only a part of the water may be caused to flow through the last said heater to the said spraying device, and a thermostat in the path of flow of the hot gases as they leave the hot washing stage for controlling the actuation of said valve device.

2,241,675
ROTARY PLOW
Roscoe J. Rinehart, Isleton, Calif., assignor to Rio Farms, San Francisco, Calif., a corporation of California
Application October 13, 1939, Serial No. 299,278
4 Claims. (Cl. 97—40)

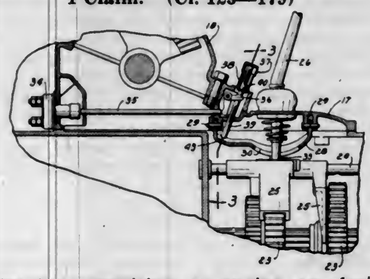


1. A rotary plow comprising a rotary shaft adapted for movement along the ground, a disc fixed on the shaft, circumferentially spaced sockets on the disc disposed at an acute angle to lines radially of the disc, standards removably and reversibly engaging the sockets and projecting therefrom, double-ended blades mounted on the outer end of the standards in symmetrical relation thereto and means releasably holding the standards against removal from the sockets.

2,241,676
INORGANIC PLASTIC
Otto C. Rohde and John P. Kelly, Toledo, Ohio, assignors, by mesne assignments, to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware (1938)
No Drawing. Application May 24, 1937, Serial No. 144,480
33 Claims. (Cl. 106—9)

1. A product comprising a chemical combination of a furan compound containing the furan ring and no other ring with material of the group consisting of the RO, R_2O_3, and RO_2 chemical groups in which R may be any metal.

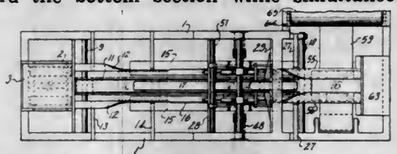
2,241,677
TRACTOR
Laurence S. Sheldrick, Dearborn, Mich., assignor to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application December 8, 1939, Serial No. 308,141
1 Claim. (Cl. 123—179)



A tractor comprising, an engine, an electrical starting circuit for said engine consisting of a starting motor and battery and starting motor switch, driving wheels, a sliding gear transmission associated with said tractor through which the torque of said engine is transmitted to said driving wheels, a pair of shifting forks in said transmission, a shift lever universally mounted upon the upper part of said transmission, said lever being arranged to swing laterally to selectively engage said forks to then be moved longitudinally to shift the gears associated with the selected fork, a yoke pivotally mounted in said transmission through which said shift lever extends, said yoke being rocked laterally by said lateral swinging movement of said shift lever, a starting button mounted upon said tractor which upon being depressed closes said switch, and a pin extending from said button in axial alignment with an opening in said yoke when the yoke is in a neutral position, said yoke when rocked by said shift lever preventing the depression of said pin, for the purpose described.

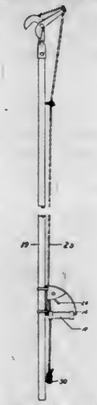
2,241,678
METHOD AND MACHINE FOR MAKING FOLDING BOXES
Melvin H. Sidebotham, Newton, Mass., assignor of one-half to Harlow M. Russell, Chelsea, Mass.
Application February 13, 1939, Serial No. 256,030
11 Claims. (Cl. 93—49)

1. The method of making boxes from blanks which are cut and scored to provide a bottom section, a pair of rectangular side wall sections having a triangular side wall end section at each end thereof, a pair of rectangular end wall sections, each having corner sections crease-hinged to their ends, said method consisting of first folding said side wall sections and side wall end sections and corner sections to vertical position, then bending the side wall sections inwardly toward the bottom section while simultaneously



bending the side wall end sections outwardly, then applying vertical pressure to fold the side wall sections against the bottom section and to double the side wall end sections against the side wall sections, then folding the end wall corner sections inwardly against the corresponding end wall sections, thereafter applying adhesive to predetermined areas of the blank, and then folding the end wall sections inwardly to lie parallel with the bottom section.

2,241,679
ROPE PULLING AND HOLDING DEVICE
Daniel H. Taylor, Los Angeles, Calif., assignor to H. K. Porter, Inc., Everett, Mass., a corporation of Massachusetts
Application February 6, 1939, Serial No. 254,894
14 Claims. (Cl. 74—502)

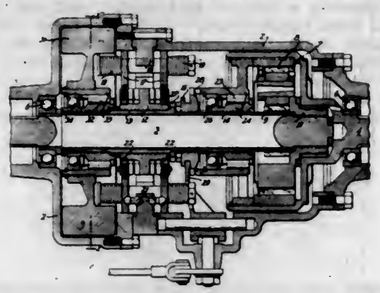


1. A portable tool having a long shaft and a head mechanism at an end thereof adapted to be actuated by a pull, a flexible connector extending from the head, a member through which the connector is threaded presenting a hand grip, and means associated with said member for automatically gripping the connector on a downward pull, said means releasing automatically on simple upward movement given to the member by the hand grip to permit the member to be repositioned upwardly along the connector.

2,241,680
SPEED CHANGE GEARING
Robert S. Taylor, Seattle, Wash.
Application November 5, 1938, Serial No. 239,057
16 Claims. (Cl. 74—290)

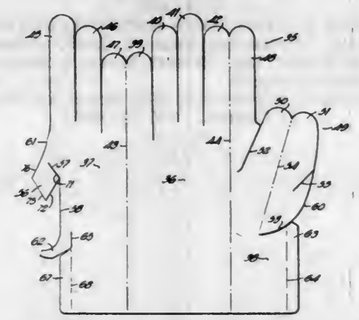
1. In a planetary gear system having orbit,

planet and sun gears, releasable means for holding one of said gears against rotation for planetary operation of said system, torque controlled



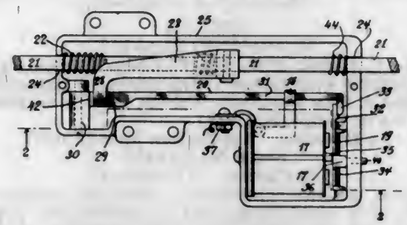
means for operating said releasable holding means, and means for retarding acceleration of the held gear after the holding means is released.

2,241,681
GLOVE
Pierre Leon Vernhes, Johnstown, N. Y.
Application December 24, 1938, Serial No. 247,613
1 Claim. (Cl. 2—169)



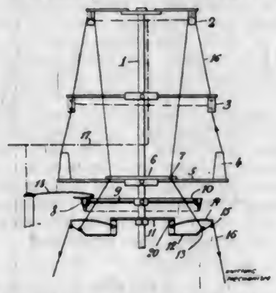
A glove comprising an integral blank of flexible material having as integral parts thereof a central portion forming a covering for the back of the hand, wrist and fingers and lateral portions on each side of said central portion adapted to be overfolded said central portion to form coverings for the palm of the hand and the fronts of the fingers, a first of said lateral portions including an overfoldable portion adapted to form a covering for the thumb, said blank being provided with a slit whereby in part to sever said thumb covering along one side thereof from said blank and said thumb covering being slitted inwardly from the opposite side thereof, and the other of said lateral portions including a quirk having three sides thereof defined by the edges of said blank and said blank being slitted in part to sever said quirk from said blank whereby one edge of said slit forms a fourth side of said quirk, two adjacent sides of said quirk being adapted to be stitched to said thumb covering and said first lateral portion within the slit provided therebetween and the other two adjacent sides of said quirk being adapted to be stitched to said thumb covering and within the slit provided therein, and a row of stitches extending from the base of a finger and along one side of the base of said thumb covering for fastening said lateral portions and thumb-covering portions in overfolded position.

2,241,682
ELECTRIC RELEASE MECHANISM FOR KNITTING MACHINES
David Wachsman, Brooklyn, N. Y., assignor to Wachsman Sons', Inc., a corporation of New York
Application April 6, 1940, Serial No. 328,251
1 Claim. (Cl. 66—163)



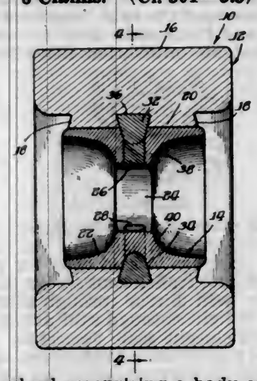
In an electric release for knitting machines wherein is provided an electric circuit with a normally open circuit closer controlled by a travelling thread and which includes a stop handle; a plunger for actuating said stop handle, a hook on said plunger, a spring for moving the plunger in one direction, a gravity actuated plunger locking lever, two noses thereon, one of said noses engaging said plunger hook to hold the plunger immovable against the action of said spring, an electromagnet in said circuit, an armature lever for said magnet, interengaging cooperating means on said locking lever and on said armature lever for holding said locking lever nose in engagement with said plunger, the second nose on said locking lever engageable by said plunger hook to move the locking lever from a gravity actuated position into plunger holding position by said first named nose, said interengaging means on the locking and armature levers being disengaged when the armature lever is attracted by the magnet whereby to cause the locking lever to become gravity operated to release the said plunger for action by said spring.

2,241,683
ELECTRIC CONTACT RING FOR KNITTING MACHINES
Michael Wachsman, Brooklyn, N. Y., assignor to Wachsman Sons', Inc., a corporation of New York
Application April 6, 1940, Serial No. 328,252
2 Claims. (Cl. 66—163)



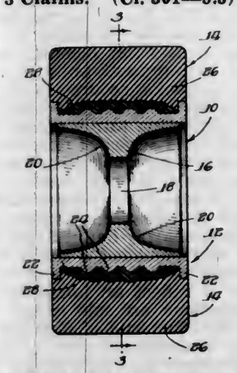
1. An electric contact ring for knitting machines consisting of a ring body V-shaped in cross section, spaced teeth formed in the lower edge of said ring, each side of said V-shaped ring forming an upper straight edge and braces secured between the sides of said ring to stiffen the same.

2,241,684
ROLLER
Robert R. Ware, Chicago, Ill., assignor to Chicago Roller Skate Company, Chicago, Ill., a corporation of Illinois
Application June 22, 1938, Serial No. 215,081
8 Claims. (Cl. 301—5.3)



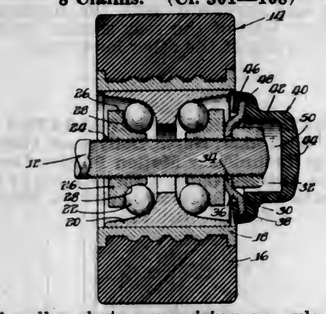
1. In a wheel comprising a body or tread portion having a central bore and a metallic bushing received snugly in said bore, said body portion being formed of material tending to expand and contract with relation to the bushing under atmospheric conditions, means for rigidly securing the body portion and the bushing together, comprising an outwardly facing channel on the bushing, and an opposed inwardly facing channel on the body portion, said inwardly facing channel having side walls converging in an inward direction, and an integral body of cast metal engaging in both of said channels and engaging said converging walls for securement thereto.

2,241,685
WHEEL
Robert R. Ware, Chicago, Ill., assignor to Chicago Roller Skate Company, Chicago, Ill., a corporation of Illinois
Application July 7, 1938, Serial No. 217,855
3 Claims. (Cl. 301—5.3)



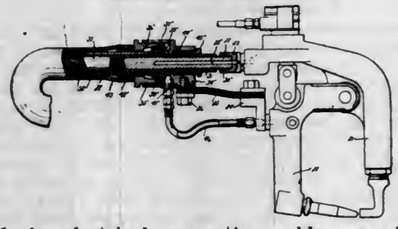
3. A roller skate wheel having a hub portion comprising an annular metallic collar, a tire mounted upon said hub and comprising a relatively soft resilient floor contacting portion having a durometer hardness of from 74 to 82, said floor contacting portion being of substantial thickness and extending substantially completely from the hub to the circumferential periphery of the wheel, an intermediate layer of resilient soft plastic material interposed between said tire and said hub portion and being permanently attached to both of said portions by coincidental vulcanization for integrally joining said tire and hub, said intermediate layer of plastic material being adapted to vulcanize to the material of said collar with substantially greater adhesion than the material of the tire portion.

2,241,686
WHEEL GUARD
Robert R. Ware, Chicago, Ill., assignor to Chicago Roller Skate Company, Chicago, Ill., a corporation of Illinois
Application July 11, 1938, Serial No. 218,490
8 Claims. (Cl. 301—108)



1. A roller skate comprising an axle, a wheel rotatably mounted on the axle adjacent one end thereof, a buffer supporting member mounted on said axle and having an outwardly annular projecting flange, and a resilient buffer member of the class of lastics substantially enclosing the end of said axle and having a substantially continuously annular groove axially inter-engaging about said flange for retaining the members in assembled position.

2,241,687
CABLE ASSEMBLY
Hans G. Warnke, Detroit, Mich.
Application September 9, 1938, Serial No. 229,095
6 Claims. (Cl. 174—15)

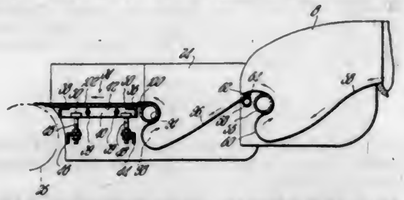


1. An electrical connecting cable comprising a non-tubular conducting core; an insulating covering embracing said core in snug relation; a hollow conducting member embracing said insulating covering in snug relation; and another cover of insulation embracing said hollow conductor in spaced relation thereto to provide a water channel around said hollow conductor.

2,241,688
BREAST BOX FOR PAPER MACHINES
Frank H. Williams, Dalton, Mass., assignor to Crane & Co., Inc., Dalton, Mass., a corporation of Massachusetts
Application June 12, 1940, Serial No. 340,086
14 Claims. (Cl. 92—44)

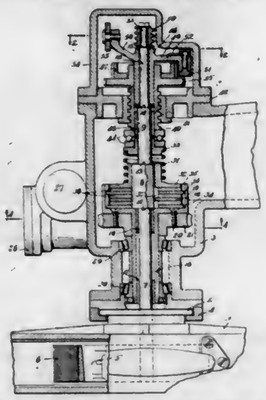
1. A breast box for a paper-making machine comprising in combination, separate forward and

rear sections each having side walls, each section having a lower wall between said side walls that extends forwardly and downwardly and



then curves upwardly and rearwardly and finally upwardly and forwardly with the forward end of the lower wall of the rear section extending over the rear end of the other lower wall.

2,241,689
CINEMATOGRAPHIC APPARATUS
Lloyed E. Whittaker, North Hollywood, Calif., assignor to Technicolor Motion Picture Corporation, Los Angeles, Calif., a corporation of Maine
Application May 31, 1939, Serial No. 276,567
1 Claim. (Cl. 242—55)



Cinematographic apparatus for driving a film take-up reel, comprising a shaft for rotating the reel, a tubular rotor surrounding a portion of the shaft, a friction clutch surrounding the shaft at the end of the tubular rotor with friction surfaces non-rotatably associated with the shaft and rotor respectively, a tubular screw surrounding said shaft on the side of the clutch opposite the rotor, a compression spring between the clutch and screw for pressing said friction surfaces together, and means driven by said shaft for turning the screw to increase the tension of the spring in proportion to the increase in diameter of the roll of film on the take-up reel, thereby progressively to increase the driving force applied to the reel as the diameter of the roll of film increases.

2,241,690
MAGNIFYING MEASURING INSTRUMENT
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, a corporation of New Jersey
Application September 29, 1939, Serial No. 297,132
5 Claims. (Cl. 88—2.3)

1. In a device of the class described, in combination, an instrument body, a magnifying lens mounted on said body, a flat translucent scale mounted on said body with its plane parallel to the axis of said lens, and a flat transparent mirror mounted on said body, the plane of said mirror lying at an angle of forty-five degrees to the plane of said translucent scale and intersecting the axis of said lens at an angle of forty-five degrees, the focal length of said magnifying lens and the distances from said translucent scale to said mirror and from said mirror to said lens being such that an uninverted magnified virtual

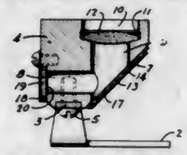
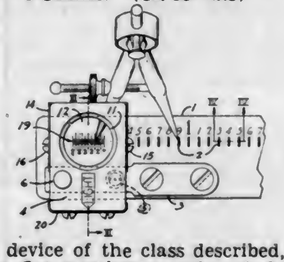


image of said translucent scale appears when said scale is viewed through said lens via said mirror there being openings in said body for passage of light through said translucent screen to said mirror and from said mirror through said lens and for passage of light through said mirror and said lens, said translucent scale consisting of a glass plate frosted on the side remote from said mirror and having transparent indicia on the side toward said mirror.

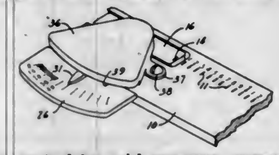
2,241,691
DIMENSION DETERMINING DEVICE
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, a corporation of New Jersey
Application October 5, 1939, Serial No. 298,069
5 Claims. (Cl. 88—2.3)



1. In a device of the class described, in combination, a flat member, a series of sharply defined notches in said flat member, said notches being spaced to represent units of a system of mensuration, a bracket secured to said flat member, a viewing device removably seated upon said bracket and projecting into a plane passing vertically through said series of notches, said viewing device comprising a body, passages extending through said body, a scale having a series of transparent graduations representing subdivisions of a unit of the system of mensuration represented by said sharply defined notches, mounted in one of said passages, a transparent mirror mounted in one end of another of said passages and adapted to reflect an image of said transparent graduations on said scale and a lens mounted in the other end of said passage for simultaneously magnifying such reflected image and an object positioned on said flat member beneath said transparent mirror.

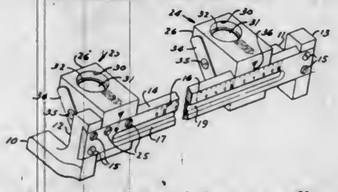
2,241,692
MEASURING DEVICE
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, a corporation of New Jersey
Application October 25, 1939, Serial No. 301,152
8 Claims. (Cl. 33—107)

1. In a device of the class described, in combination, a base, a series of sharply defined aligned notches, a majority of said notches being cut into said base, a plate having a sharply defined notch mounted in a recess in said base, said notch in said plate lying in alignment with and forming one of said series in said base, said plate being rectangular in shape and adapted to move towards and away from said series of notches in said base, means for antifrictionally mounting said plate in said base, said antifriction mounting means comprising grooves in longitudinal walls of such recess, similar grooves in longitudinal edges of said plate, a plurality of bear-



ing balls mounted in said grooves, means for retaining said bearing balls in said grooves and said retaining means comprising pins studded into said plate and extending into the space formed by said grooves and spaced a substantial distance on each side of each of said balls, on one longitudinal side of said plate and a substantially U-shaped wire staple having its legs penetrating a wall of said recess in said base and extending into the space formed by said grooves on the other longitudinal side of said plate, one of said legs of said staple being spaced on each side of the bearing ball in said groove.

2,241,693
MEASURING DEVICE
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, a corporation of New Jersey
Application November 10, 1939, Serial No. 303,735
6 Claims. (Cl. 88—2.3)



1. In a device for determining space dimensions, in combination, a frame adapted to rest upon the surface of an object to be measured, a flat translucent scale having a series of graduations representing units of a system of mensuration marked thereon, mounted vertically on said frame, said series of graduations having a zero or fiducial graduation, an optical device mounted upon said frame in fixed relation to said flat translucent scale adapted to expose to view a magnified image of said zero or fiducial graduation of said series and a portion of the surface of the object upon which the device is resting, a second optical device mounted upon said frame adapted to be manually shifted to expose to view a magnified image of another graduation of said series on said translucent scale and another portion of the surface of the object upon which the device is resting, said optical devices comprising a lens, the axis of said lens being parallel to the plane of the vertically mounted translucent scale, a plane transparent mirror mounted with the plane of said mirror lying substantially at an angle of forty-five degrees to the plane of said translucent scale and intersecting the axis of said lens at an angle of forty-five degrees, there being open spaces between said mirror and said scale and said mirror and said lens whereby such magnified image appears to be lying on the surface of the object when viewed through said lens.

2,241,694
COMBINATION INFANT'S HOOD AND CAPE
Joseph Astrove, New York, N. Y., assignor to Tidy Products Corporation, New York, N. Y.
Application May 18, 1939, Serial No. 274,347
3 Claims. (Cl. 2—84)

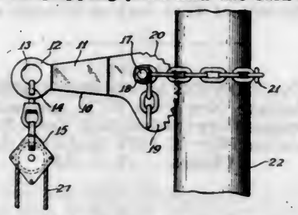


1. In a combination infant's hood and cape, a hood section projecting from the neck-encircling edge of said cape section, said hood section comprising a central portion adapted to overlie the back and top of an infant's head and being convex so as to be form fitting, and a pair of lateral portions each joined to said central portion at one side and to said cape section at its base, and each being free at its top and at its other side edge, said lateral portions being adapted to overlie to each of the sides of an infant's head to have contiguous edges thereof in overlapping relationship with edges of said central portion, and each being provided with a plurality of members arranged in vertical spaced alignment, said central portion being provided at the sides of its front portion with flaps, each adapted to overlie one of said lateral portions, and at least one member carried by each of said flaps adapted to constitute together with one of said members on the lateral portions a fastening means for securing said flap to its underlying portion in overlapping relationship, whereby each of said flaps and its underlying lateral portion may be secured together in varying relations to change the curvature of the substantially spheroidal contour of the hood and whereby the hood portion may be varied in its dimensions so as to adapt it for heads of various sizes by different overlapping positions of said flaps, and whereby when said respective members on said flaps and said lateral portions are separated, said hood section may be folded backward so as to overlie the back of an infant in substantially flattened form.

2,241,695
HOISTING DEVICE
James Olen Barton, Havana, Ill., assignor of forty per cent to T. M. Shultz, Beardstown, Ill.
Application March 15, 1940, Serial No. 324,069
1 Claim. (Cl. 248—231)

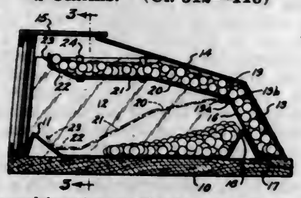
A hoisting device adapted to be secured to a vertically extending or upright support for lifting relatively heavy objects, comprising a member having an end portion adapted to have a block and tackle suspended therefrom, a flexible element attached to said member and adapted to encircle said upright support so as to secure said member thereto, said member including a head portion having connection with said flexible element, said head portion including a pair of

spaced gripping jaws each having an arcuate-shaped row of gripping teeth formed thereon adapted to engage said upright support, and each of said gripping jaws and the said arcuate-



shaped row of teeth formed thereon extending forwardly of and a substantial distance below the said connection between said member and said flexible element.

2,241,696
SHOWCASE SHAM
George P. Bender, Greenfield, Ohio, assignor to The Waddell Company, Inc., Greenfield, Ohio, a corporation of Ohio
Application May 25, 1939, Serial No. 275,713
2 Claims. (Cl. 312—118)



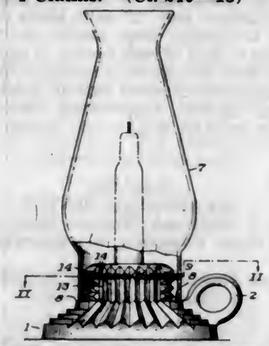
1. In combination a display case having a base, a transparent front panel and at least one transparent top panel, and a sham made in two parts, the first part comprising a portion adapted to conform to said base, and a second angularly related portion adapted to parallel said front panel, said first mentioned portion adapted to maintain said second mentioned portion interspaced from said front panel, and a second part hinged to the first mentioned part and comprising a portion substantially paralleling said top panel, means to support the second mentioned portion of said first part in substantial parallelism with said front panel, and means for supporting said second mentioned part in substantial parallelism with said top panel, said latter supporting means being detachable whereby said second mentioned part may be lowered on its hinge within said showcase to give ready access to the interspace between said first mentioned part and said front panel for filling it with contents.

2,241,697
GARMENT GUARD FOR HANGERS
Aaron Berke, New York, N. Y.
Application April 3, 1939, Serial No. 265,705
9 Claims. (Cl. 223—98)



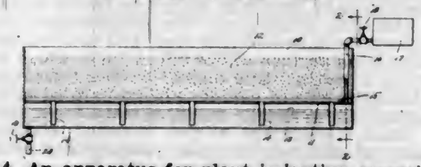
1. As an article of manufacture, a unitary blank of cardboard or the like, having crease lines along which to be folded into a garment guard for the common wire garment hanger, certain of such crease lines converging inward and upward from the sides of the blank for registration with the inclined reaches of the hanger so that the blank may be folded as a cape thereover, and a strap element hingeably connected at its opposite ends to the blank body with a passage between the same and the blank body for the hook-shank of the hanger whereby to hold the blank to the hanger-hook, and having a cross fold-line intermediate its ends so that when the blank is folded to cape formation the strap may fold on the lines of its hinge connections to the blank body, and on said cross fold line, into double ply condition around one of the inclined reaches of the hanger, and in such condition be forced through an aperture in the body of the blank, to lock the blank in cape formation on the hanger.

2,241,698
CANDLE LAMP
Hugh S. Brady, Greensburg, Pa., assignor to The Jeannette Glass Company, a corporation of Pennsylvania
Application September 8, 1939, Serial No. 293,965
4 Claims. (Cl. 240—13)



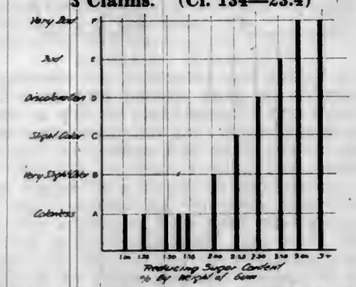
1. In a candle lamp the combination of a candle stand comprising a cylindrical candle-holding body and a skirt forming at their junction a seat for a lamp chimney, a lamp chimney surrounding the said cylindrical candle-holding body, a resilient air-permeable member yieldingly interengaging the said cylindrical body and the lamp chimney, and channels in the surface structure of the said cylindrical body member vertically extended below the seating level of the lamp chimney, to provide an air passage into the space between said cylindrical candle-holding body and the chimney and through the said resilient air-permeable member into the combustion region of the chimney above the said candle-holding body.

2,241,699
APPARATUS FOR PLANT IRRIGATION
Wallace M. Cooper, Weston, Mass.
Application September 21, 1939, Serial No. 295,849
4 Claims. (Cl. 47—1.2)



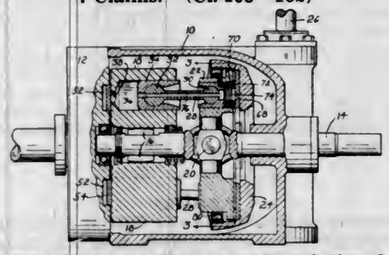
4. An apparatus for plant irrigation comprising in combination an uncovered receptacle having an upper and a lower compartment, the lower compartment being of smaller cubical content than the upper, a quantity of fertilizing solution in said lower compartment, a mass of plant-supporting matter in said upper compartment, means affording communication between the lower portion of said lower compartment and the lower portion of said upper compartment, and means whereby pressure may be exerted pneumatically upon the upper surface of said fertilizing solution and the latter forced pneumatically from the lower compartment into but not out of the upper compartment.

2,241,700
ADHESIVE
Paul B. Davidson, Wilkinsburg, Pa., and Julius R. Adams, Westfield, Mass., assignors to Old Colony Envelope Company, Inc., Westfield, Mass., a corporation of Massachusetts
Application April 19, 1938, Serial No. 202,882
3 Claims. (Cl. 134—23.4)



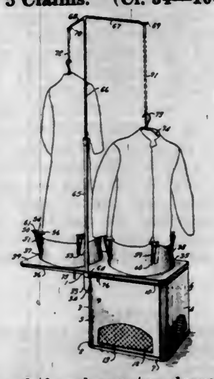
1. As a new article of manufacture, a paper-adhesive of the class described consisting of partially-dextrinized starch dispersed in a solution of a volatile acid and a fluidifying agent consisting of a water-soluble organic compound of such a nature and under such conditions that the total reducing sugar content of said adhesive is limited to a maximum percentage by weight thereof of about 2%, said fluidifying agent consisting of a urea.

2,241,701
POWER TRANSMISSION
Thomas B. Doe, New York, N. Y., assignor to The Waterbury Tool Company, Waterbury, Conn., a corporation of Connecticut
Application May 26, 1937, Serial No. 144,897
7 Claims. (Cl. 103—162)



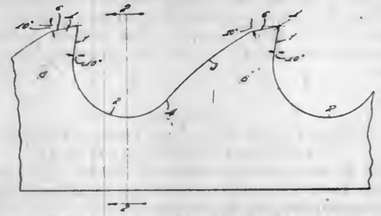
5. In a fluid pressure energy translating device of the expansible chamber type, a thrust bearing construction comprising relatively rotatable members between which a thrust force is exerted by fluid pressure within the expansible chambers, conduit means communicating between the chambers and the space between said members, sealing means carried by one of said members and movable relative thereto toward and away from the other member, said sealing means acting to confine a body of fluid which is in communication with the chambers and in contact with the other member over an area sufficient to sustain a major portion of the thrust force between said members, said sealing means including a thin flexible wall forming a fluid tight slidable joint between the sealing means and said one member.

2,241,702
DRIER
William C. Glover, Jr., Raytown, Mo., assignor to Cleaners Specialties, Inc., Kansas City, Mo., a corporation of Missouri
Application July 9, 1938, Serial No. 218,461
5 Claims. (Cl. 34—106)



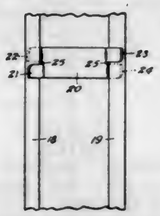
5. A drier of the character described including, a housing having an air outlet opening in the top thereof, a sleeve-like bearing carried by the housing in offset relation to said opening, a garment carrier including a frame having nozzles adapted to be alternately registered with said opening in the housing, a pin carried by one side of the frame and swivelly mounted in said sleeve-like bearing, and a garment supporting post engaged over said pin.

2,241,703
HACK SAW
Dewey E. Gommel, Indianapolis, Ind., assignor to E. C. Atkins and Company, Indianapolis, Ind., a corporation of Indiana
Application May 6, 1939, Serial No. 272,063
16 Claims. (Cl. 29—95)



1. A metal cutting saw blade having circular gullets between the teeth substantially one-half the pitch of the teeth, the teeth being curved throughout a portion of their backs on a radius substantially 1.5 times the pitch of the teeth and merging in the gullets at a point behind a line drawn from the tooth point to the center of the circle on which the back curve is drawn.

2,241,704
METALLIC BASEBOARD STRUCTURE
William M. Goldsmith, Hamilton, Ohio
Application August 2, 1939, Serial No. 288,003
3 Claims. (Cl. 189—85)



1. As a new article of manufacture, a bracing strut for the angularly convergent flanges of metallic baseboard unit walls, said strut comprising an elongated rigid strap having opposite ends each bifurcated to furnish a pair of adjacent, clamping ears projecting lengthwise of the strap, said ears all being bent outwardly and upwardly at an obtuse angle to the intermediate portion of the strap, with two diagonally disposed ears so bent being located at a slightly greater distance from the middle point of the strap than are the remaining two ears, whereby one ear of each pair has its mean plane disposed in parallel but slightly spaced relationship with its adjacent ear for snug reception of a baseboard flange therebetween.

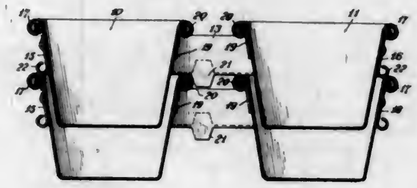
2,241,705
ONE-FIRE METHOD OF MANUFACTURING CERAMIC ARTICLES
Hobert R. Goodrich, Glendale, Calif., assignor to Gladding, McBean & Company, San Francisco, Calif., a corporation of California
No Drawing. Application November 5, 1938, Serial No. 239,024
10 Claims. (Cl. 25—156)

1. The method of making in a single firing a ceramic unit comprising forming a mixture consisting of a material containing at least 35% of the minerals selected from the group consisting of calcium and calcium-magnesium containing silicates substantially free of volatile content tending to disrupt during firing the subsequently formed structure, said minerals being characterized by a fibrous compact blade-like structure, and a clay binder therefor, said mixture being substantially free of extraneously added fluxing materials, pressing and compacting the mixture into hard plates and granules, disintegrating the latter, pressing and shaping said disintegrated mixture, coating the shaped article with an intermediate protective coating, applying a glaze upon said coating, and maturing the article including the glaze at one firing at the glosting temperature.

2,241,706
GRANULAR ARTICLE CONTAINING CELLULOSE ETHER AND WAX
Earle L. Kropscott, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 6, 1939, Serial No. 277,678
4 Claims. (Cl. 106—40)

1. The method of preparing a uniform granular composition consisting essentially of a cellulose ether and wax, which comprises mixing with agitation a molten wax with an aqueous suspension of a water-wet precipitated cellulose lower alkyl ether at a temperature above the melting point of the wax, cooling to a temperature below the melting point of the wax, and separating the granular particles thereby obtained.

2,241,707
BAKING PAN
Adrien L. Langel, Chicago, Ill., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 15, 1939, Serial No. 295,020
5 Claims. (Cl. 53—6)



1. In a baking pan structure, the combination of a plurality of pans pressed into form from sheet metal and arranged side by side in spaced relation to each other, end bars extending across the ends of the pans and connected therewith for holding the pans rigidly in position with respect to each other, side bars extending along the outer side faces of the outside pans and connected rigidly both with said pans and with said end bars, and vertically yielding resilient stabilizing members carried by said side bars in position to engage the side walls of a similar pan structure when nested therewith for supporting one structure in centered position with respect to the other.

2,241,708
TREATMENT OF HYDROCARBONS
Edwin T. Layng, Jersey City, N. J., assignor to Process Management Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 25, 1938, Serial No. 242,293
8 Claims. (Cl. 260—668)

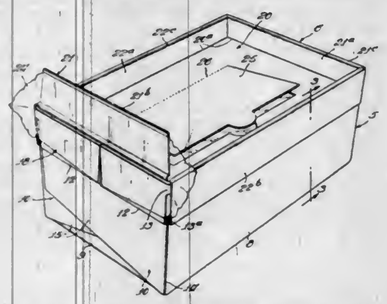
3. The method of dehydrogenating a hydrocarbon which comprises contacting said hydrocarbon at elevated temperature with a catalyst comprising an active ingredient prepared by igniting chromic acetate.

7. The method of making aromatic hydrocarbons which comprises contacting aliphatic hydrocarbons having at least six carbon atoms per molecule with a catalyst comprising an active ingredient prepared by thermal decomposition of chromic acetate at elevated temperature for a time sufficient to effect cyclization of said aliphatic hydrocarbons and conversion thereof to an aromatic product.

2,241,709
REMOVAL OF THIONATES FROM SOLUTION
Norman Levy, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application February 4, 1939, Serial No. 254,729. In Great Britain February 8, 1938
6 Claims. (Cl. 23—178)

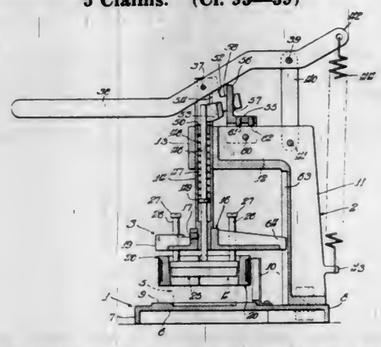
1. In a process for the recovery of sulphur dioxide from gaseous mixtures by the use of sulphur dioxide absorbing liquids which consist of aqueous solutions of salts, the method of maintaining the concentration of thionates which accumulate in the absorbent below a value equivalent to 0.15 gm. of oxidisable sulphur per 100 milliliters of absorbent, which comprises drawing off and boiling a portion of the absorbent, containing sulphur dioxide in sufficient concentration to enable conversion of poly-thionates into trithionate, in the presence of a substance of the class consisting of copper and those copper compounds the anions of which are without injurious effect on the absorbent, in an amount less than that required for complete decomposition of the thionates in the part withdrawn, filtering off the precipitate so formed and returning the filtrate to the remainder of the absorbent.

2,241,710
CONTAINER
Roy E. Lowey, Evanston, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application January 21, 1939, Serial No. 252,079
9 Claims. (Cl. 229—14)



1. A paperboard container comprising a rectangular tray having a bottom panel, side and end wall panels integrally connected thereto, end flaps on the ends of each of the side wall panels adapted to be secured in fixed position relative to the end wall panel when the end and side wall panels are elevated to tray-forming position, said end flaps thus forming a part of the end wall, an extension flap on the free edge of each side wall and side wall end flap, a liner secured in unbroken relation over all of said panels and extension flaps, said extension flaps being folded to lie against the exterior surface of the container walls, the extension flaps on the side wall end flaps being of such length as to substantially abut each other on the exterior of the end walls of the tray, whereby, when the tray has been set up, the edges of the liner will extend in substantially unbroken relation around the entire upper exterior portion of the tray, a closure for the tray, said closure having a rectangular central panel, extension flaps on each of the sides and ends of the central panel arranged to overlap the upper exterior portions of each wall of the tray, and a liner applied to the closure, said liner covering the central panel, together with the side and end extensions thereon, and extending over a substantial portion of the triangular area defined between the adjacent end edges of the closure side and end extension flaps, whereby the closure may be assembled with the tray by securing the lined portions of the closure extension flaps against the upper exterior lined portions of the tray.

2,241,711
CONTAINER SEALING MACHINE
Roy E. Lowey, Evanston, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application May 8, 1939, Serial No. 272,304
5 Claims. (Cl. 93—39)

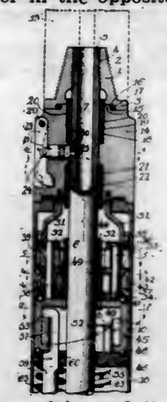


1. A machine for applying to a rectangular container a recessed closure having a main panel and inner and outer tray wall engaging flanges, said machine comprising a tray receiving base, a sealing head supporting frame, a sealing head mounted on the frame for movement toward and from the base, a presser element on the sealing head for applying pressure against the closure main panel, resilient connecting means between the main panel presser element and the sealing head, means for positively connecting the sealing head and the main panel presser element during movement of the sealing head from its initial position to a position in which the presser element has forced the closure main panel to its final position within the tray, means for causing the positive connecting means to become inoperative when the presser element has reached said last mentioned position, said presser element having edge portions thereon adapted to engage the closure inner flanges, closure flange presser elements carried by the sealing head and arranged for lateral movement thereon toward and from the edge surfaces of the presser element and adapted to exert pressure on the closure outer flanges, means operative during movement of the sealing head to final position for moving the closure flange presser elements against the closure outer flanges to bring such flanges into position to exert pressure against the adjacent tray surfaces, said resilient means for maintaining the closure main panel presser element in contact with the closure main panel being operative, upon withdrawal of the sealing head, to retain the closure upon the tray until the closure flange presser elements are no longer acted upon by the means causing such presser elements to exert pressure against the outer closure flanges.

2,241,712
DRILL
John J. McNamara, Chicago, Ill., assignor to Oil Well Drill—Ltd., Chicago, Ill., a trust
Application February 7, 1938, Serial No. 189,063
12 Claims. (Cl. 255—4)

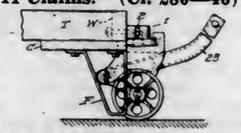
1. In a drill, a drive shaft and a casing rotatable together in one direction, a hammer mounted for longitudinal reciprocation in said casing and carried therewith as the latter rotates, a head on said hammer, a cam movable under said head, means for causing said cam to positively rotate in a rotational direction opposite to that of the

head to cause movement of the hammer longitudinally of the casing, yieldable means for moving the hammer in the opposite direction after



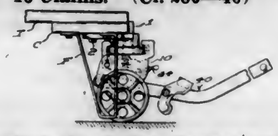
the cam has passed beyond it, said first mentioned means including gearing driven by the casing.

2,241,713
MOVABLE TRUCK JACK
George C. Noros, Manheim, Pa., assignor to Bond Foundry & Machine Company, Manheim, Pa., a corporation of Pennsylvania
Application October 13, 1939, Serial No. 299,258
11 Claims. (Cl. 280—46)



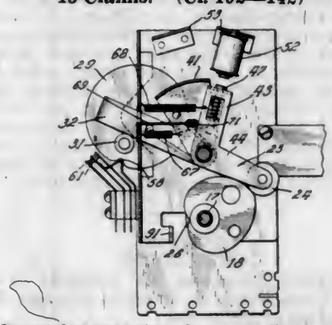
5. In a truck jack of the character described, a body comprising a pair of depending spaced parallel arms, an axle carried thereby, wheels on the axle, a pivot pin extending between the arms parallel to the axle, abutments carried by the arms on the opposite side of the axle from the pivot pin and a tongue connected with the pin adapted for selective engagement with said abutments to control the jack.

2,241,714
MOVABLE TRUCK JACK
George C. Noros, Manheim, Pa., assignor to Bond Foundry & Machine Company, Manheim, Pa., a corporation of Pennsylvania
Application May 11, 1940, Serial No. 334,495
16 Claims. (Cl. 280—46)



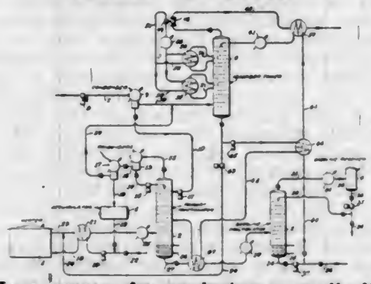
6. A truck jack of the character described, comprising a body having a bridge and laterally spaced arms depending therefrom, coaxial supporting wheels rotatively supported from the arms, a tongue extending between the arms and across said axis, pivoted to the arms on one side of said axis and movable on its pivot in a plane substantially normal thereto, and means pivoted to the body for movement in substantially the same plane adapted to releasably secure the jack to a truck.

2,241,715
ELECTRICAL CONTROL APPARATUS
Alexander W. Plensler and Richard C. Marholz, Chicago, Ill., assignors to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application August 30, 1938, Serial No. 227,525
15 Claims. (Cl. 192—142)



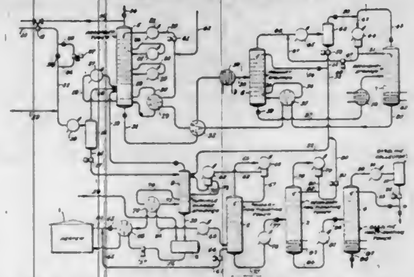
1. Control apparatus for a radio receiver including a movable control unit, rotary operating means therefor rotating continuously while energized, through cycles of 360° each, means limiting the movement of said control unit to an angular distance less than 360°, coupling means operatively connecting said control unit and said rotary operating means including spring means within said coupling means transmitting the entire operating force from said operating means to said control unit, with said spring means being yieldable in a rotary direction upon the stoppage of the control unit at one of its limiting positions to permit the continued rotation of said rotary operating means through said cycles while the control unit remains stopped at said limiting position.

2,241,716
CONVERSION OF HYDROCARBONS
George Roberts, Jr., Montclair, N. J., and George W. Robinson, Houston, Tex., assignors to The Polymerization Process Corporation, Jersey City, N. J., a corporation of Delaware
Application June 15, 1937, Serial No. 148,275
5 Claims. (Cl. 196—10)



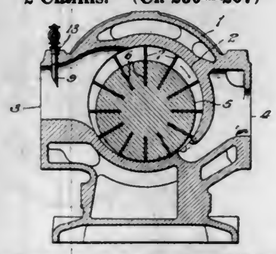
2. In a process for producing normally liquid hydrocarbons from normally gaseous hydrocarbons wherein said normally gaseous hydrocarbons are subjected to elevated conditions of temperature and pressure to effect conversion into normally liquid hydrocarbons and the products of conversion are separated into said normally liquid products and normally gaseous hydrocarbons, the improvement which comprises passing at least a portion of the normally gaseous hydrocarbons separated from the products of conversion through a scrubbing zone under pressure wherein said gases are contacted with a liquid absorbent medium to scrub therefrom convertible constituents which are recovered by solution in said absorbent medium, circulating a stream of cooling fluid from an extraneous source into indirect heat exchange with portions of the absorbent medium in said scrubbing zone to cool said absorbent medium in said scrubbing zone, withdrawing the scrubbed gases from said scrubbing zone, expanding said gases and utilizing said expansion to circulate said cooling fluid into indirect heat exchange with said absorbent medium.

2,241,717
CONVERSION OF HYDROCARBONS
George W. Robinson, Houston, Tex., and George Roberts, Jr., Montclair, N. J., assignors to The Polymerization Process Corporation, Jersey City, N. J., a corporation of Delaware
Application June 15, 1937, Serial No. 148,274
2 Claims. (Cl. 196—10)



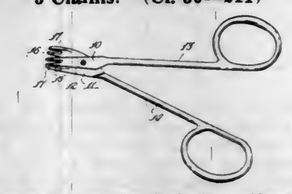
1. The method of converting normally gaseous hydrocarbons to normally liquid hydrocarbons which comprises heating a stream of normally gaseous hydrocarbons under pressure to effect conversion thereof into normally liquid hydrocarbons including gasoline constituents, then separating said stream under pressure into a liquid fraction consisting of the normally liquid hydrocarbons and relatively high boiling normally gaseous hydrocarbons and a normally gaseous fraction predominating in the relatively low boiling normally gaseous constituents thereof, passing said normally gaseous fraction to a separatory zone to separate therefrom a fraction predominating in hydrogen and methane, withdrawing from said separatory zone liquefied normally gaseous hydrocarbons substantially stripped of hydrogen and methane and combining at least a portion thereof with said stream undergoing conversion, separating said liquid fraction under reduced pressure into normally gaseous constituents and normally liquid constituents including gasoline constituents, passing the gaseous fraction predominating in hydrogen and methane from said separatory zone through a scrubbing zone under pressure, introducing into said scrubbing zone and into intimate contact with said gases passing therethrough a liquid absorbent medium whereby convertible constituents remaining in said gases are dissolved in said absorbent medium, removing enriched absorbent medium from said scrubbing zone, stripping and recovering normally gaseous hydrocarbons from said removed enriched absorbent medium, introducing said recovered normally gaseous hydrocarbons into said separatory zone, introducing into the system from an extraneous source a stream of normally gaseous hydrocarbons, withdrawing scrubbed gases from said scrubbing zone, expanding said scrubbed gases, utilizing the expansion of said scrubbed gases to effect compression of said stream of said normally gaseous hydrocarbons from an extraneous source, cooling said compressed stream to effect separation therefrom of a liquid fraction, and introducing at least a part of said last-mentioned liquid fraction into said separatory zone to assist in said separation therein.

2,241,718
COMPRESSOR OR VACUUM PUMP
Elmer Peter Meixsell, Allentown, Pa., assignor to Fuller Company, Catasauqua, Pa., a corporation of Delaware
Application April 23, 1940, Serial No. 331,077
2 Claims. (Cl. 230—207)



1. A rotary compressor comprising a stator casing having a central bore, a cylindrical rotor provided with radial slots, vanes slidable within the slots, the rotor being arranged eccentrically within the bore between heads at each end of the casing, thereby forming a seal between the inner casing wall at one point and a crescent shaped space opposite the seal, said casing having a passage at that side of the rotor where the crescent shaped space is increasing in magnitude, in the direction of rotation of the rotor, said passage terminating in an inlet port for said crescent shaped space continuously communicating therewith at substantially its point of greatest magnitude, said casing having an outlet port on the opposite side, lubricating means within said passage having its outlet spaced from the walls thereof and to the side of the longitudinal axis of the passage adjacent the point of maximum magnitude of the crescent shaped space, whereby lubricant is atomized by the incoming gases passing through said passage and continuously is carried to the crescent shaped space and deposited on the back of the vanes when said vanes are positioned at substantially their point of maximum extension.

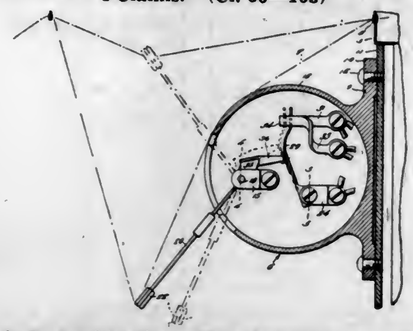
2,241,719
HAIR CLIPPERS
Ernest E. Hardin, Waxahachie, Tex.
Application February 21, 1940, Serial No. 320,177
3 Claims. (Cl. 30—211)



1. Clippers for cutting hair from the recesses of the nostrils and ears, comprising crossed blades pivoted together and having rearwardly projecting handles, the forward end portions of said blades being in the form of spaced apart teeth curved upwardly from the body of the blades with those of one of the blades slidable over those of

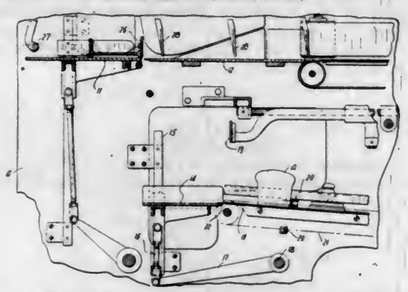
the other blade, and the outer ends of the teeth of the lower blade bent over the outer ends of the upper blade for protection in the use of the clippers.

2,241,720
BROKEN YARN DETECTOR
John L. Herman and Edwin Reidenbach, Fort Wayne, Ind., assignors of thirty-three and one-third per cent to John Archer, Fort Wayne, Ind.
Application December 28, 1937, Serial No. 182,116
4 Claims. (Cl. 66—163)



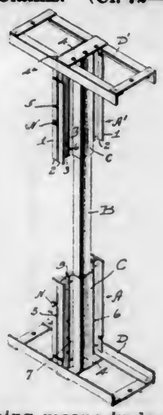
1. In combination with a knitting machine, a switch structure adapted for controlling the usual knitting machine stop mechanism and including stationary contacts and a movable contact, an arm pivoted at one end and having a yarn eyelet at the other end thereof and means yieldably connected to the arm adjacent its pivoted end and engaging the movable contact to normally maintain the latter out of contacting engagement with said stationary contacts.

2,241,721
ARTICLE HANDLING MECHANISM FOR WRAPPING MACHINES
William Hoppe, Springfield, Mass., assignor to National Bread Wrapping Machine Co., Springfield, Mass., a corporation of Massachusetts
Application May 1, 1939, Serial No. 271,084
2 Claims. (Cl. 93—2)



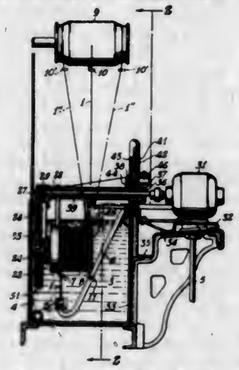
1. Article handling mechanism for wrapping machines comprising a main carrier vertically reciprocable between an upper level in alignment with a wrapping channel and a lower transfer level, a feeding carrier vertically reciprocable between an upper level in alignment with the transfer level of the main carrier and a lower receiving level, said feeding carrier at its upper level being directly adjacent said main carrier, a transfer plunger horizontally reciprocable over the feeding carrier when the latter is at the transfer level to transfer an article from the feeding carrier directly to the main carrier and having a length of stroke substantially equal to the width of the widest article for which the machine is designed, conveying means having continuously moving spaced flights in a timed relation with the feeding carrier, the carrier being so timed with relation to the conveying means that the carrier is caused to descend below the level of the conveying means prior to the initiation of the transference of an article to the carrier, and the carrier is in motion upwardly during at least part of the transfer of an article thereupon.

2,241,722
STEEL STUD CONSTRUCTION
William Griswold Hurlbert, Jr., Warren, Ohio
Application June 3, 1939, Serial No. 277,291
5 Claims. (Cl. 72—115)



1. Wall forming means including in combination, floor and ceiling tracks, a narrow gauge stud for carrying the lath at opposite sides thereof, and combined track connecting shoes and nailing ground members of greater width than the stud adjustably connected therewith and adapted to engage with said floor and ceiling tracks.

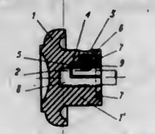
2,241,723
APPARATUS FOR MANUFACTURING THREAD OR THE LIKE
Lavern J. Jordan, Fairview Village, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application October 17, 1938, Serial No. 235,375
6 Claims. (Cl. 242—53)



1. Apparatus for handling thread or the like

comprising a cantilever thread-advancing thread store device having a periphery of substantially circular cross section upon which the thread or the like is continuously but temporarily stored in a plurality of spaced, generally helical turns while being advanced toward the unsupported end of said thread-advancing thread store device, said device having its unsupported end unobstructed by anything impeding the discharge of thread or the like therefrom; a supporting member on which said thread-advancing thread store device is rotatably mounted from one end thereof; a drive shaft disposed with its axis outside the periphery of said thread-advancing thread store device; means for rotating said drive shaft; means for rotating said thread-advancing thread store device from said drive shaft; a frame carrying said drive shaft and said supporting member; means for adjusting said supporting member to a variety of positions about the axis of said drive shaft; and means holding said supporting member in any one of said variety of positions.

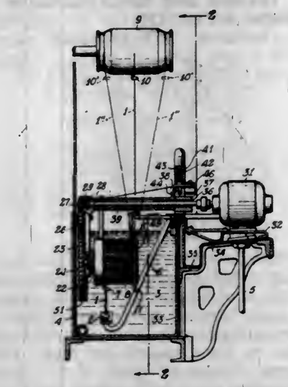
2,241,724
MANIPULATING KNOB
Leone Kamenarović, Milan, Italy, assignor to Fabbrica Italiana Magneti Marelli Soc. An., Milan, Italy, a corporation of Italy
Application February 25, 1939, Serial No. 258,535
In Italy March 10, 1938
1 Claim. (Cl. 287—53)



A device of the character described for controlling a spindle comprising a manipulating knob provided with a knob neck having a bore for location on said spindle and a longitudinal seat in the internal surface of said bore with a transverse hole opening therein, a metal plate loosely located in said seat and having a screw threaded hole through it in register with said neck transverse hole, a metal ring embedded in said knob neck and encircling said bore and seat thereof and providing an external abutment for said metal plate, and a set screw for interconnecting said plate, knob and spindle, said screw being screwed in the screw threaded hole of said plate and being loose in said neck transverse hole.

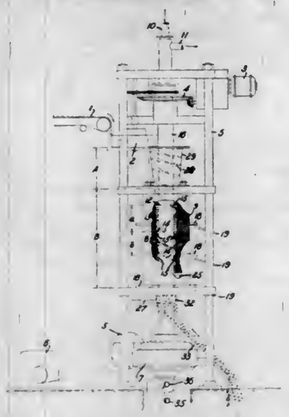
2,241,725
APPARATUS FOR MANUFACTURING THREAD OR THE LIKE
Hayden B. Kline and Louis S. Fryer, Cleveland, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application November 12, 1936, Serial No. 110,460
8 Claims. (Cl. 18—8)

1. Apparatus for the manufacture of thread or the like comprising a coagulating bath; a spinning nozzle in said coagulating bath; a unitary, self-threading thread-advancing thread store device to which the thread or the like passes from said spinning nozzle and over the periphery of which it is positively advanced in a large number of closely spaced generally helical turns while being subjected to the action of said coagulating bath in a length sufficiently great to permit substantially complete coagulation of the thread or the like to be achieved before it is discharged from said thread store device; means for adjustably supporting said thread store device independently of the position of said spinning nozzle whereby said thread store device may be positioned in a plurality of positions ranging from one in which it is disposed entirely out of said coagulating bath to one in which it is immersed in part at least in



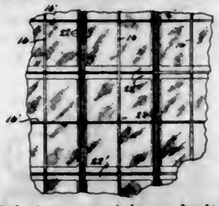
said coagulating bath; means for rotating said thread-advancing thread store device as a unit in each of its different positions as well as during movement of said thread store device from position to position; and take-up means to which the thread or the like passes from said thread store device.

2,241,726
PROCESS FOR THE SEPARATION OF ICE AND CONCENTRATE
Georg Alexander Krause, Hollriegelskreuth, near Munich, Germany, assignor of one-half to Gesellschaft für Linde's Eismaschinen A. G., Hollriegelskreuth, near Munich, Germany, a corporation of Germany
Application December 27, 1938, Serial No. 248,014
In Germany December 27, 1937
11 Claims. (Cl. 62—124)



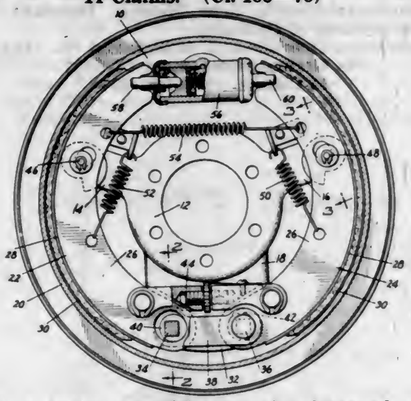
1. Process for the concentration of solutions, emulsions and the like by freezing out water and separating the resulting ice from concentrate by pressing which comprises pressing a mixture of ice and concentrate while supplying sufficient heat to the mixture to cause the ice to be warmed up to the melting point and a part of the ice to be melted in the pressing operation.

2,241,727
KNITTED FABRIC
George L. Logan, Syracuse, N. Y., assignor to Tompkins Bros. Co., Syracuse, N. Y., a corporation of New York
Original application July 6, 1937, Serial No. 152,213. Divided and this application August 4, 1939, Serial No. 288,439
1 Claim. (Cl. 66—201)



A knitted fabric comprising a knitted body having generally vertical and horizontal stripes or lines forming a plaid design on the face of the body, and also having other generally vertical and horizontal stripes or lines forming an over-plaid design on the face of the body, said generally vertical stripes or lines of the over-plaid design consisting of a contrasting lay-in thread or yarn interlaced with the knitted body so as to be substantially buried excepting at spaced intervals, at which intervals said latter thread or yarn has the form of knitted stitches arranged contiguous so as to produce a continuous or solid stripe or line.

2,241,728
BRAKE
Erwin F. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application September 10, 1938, Serial No. 229,366
11 Claims. (Cl. 188—78)



1. A brake comprising a pair of spaced anchors, a pair of braking shoes each shiftable on one of the anchors in both directions of braking, an adjustable link connecting the shoes within the radius of the anchors, and means for actuating the shoes.

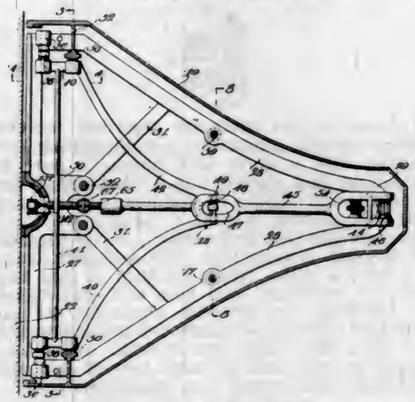
2,241,729
SLICING, ORBIT FUNCTION FLUID STREAM MUFFLER
Howard McCurdy, Walnut Park, Calif.
Application April 7, 1939, Serial No. 266,524
19 Claims. (Cl. 181—48)

1. A muffler including an annular, hollow element the peripheral wall of which is, in planes along the axis of the element, substantially of C-section and the element having a central, rearward flow bore whose edge is a slicing lip and the



front wall of the element having a flow bore with an annular edge coaxial with the slicing lip and the edges being axially spaced and forming a mouth at the chordal line between the ends of the C-section wall.

2,241,730
COUNTER SCALE
Sidney R. McKinney, Tulsa, Okla.
Application December 20, 1937, Serial No. 180,893
15 Claims. (Cl. 265—27)

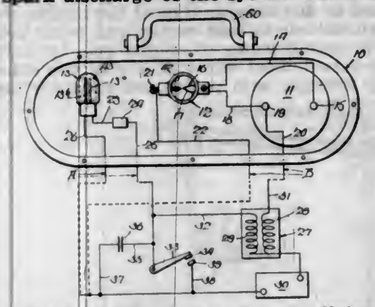


11. In a weighing scale for use with a serving counter, weighing mechanism adapted to be positioned in front of the counter and including a platform having a base adapted to be positioned adjacent the counter, said platform having sides which converge forwardly from the base, and a stool carried by the platform adjacent its narrow forward end.

2,241,731
HIGH POTENTIAL TRANSFORMER TESTING MEANS
Henry Walter Mitchell, Waukegan, Ill., assignor of one-half to Warner-Patterson Company, Chicago, Ill., a corporation of Illinois
Application October 5, 1939, Serial No. 298,002
9 Claims. (Cl. 175—183)

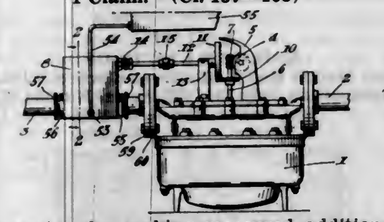
1. An electrical instrument comprising a thermocouple, a meter, said thermocouple and meter being adapted to be connected in series with the secondary circuit of an ignition system, said thermocouple being arranged as one terminal

of a spark gap to receive the heat generated by the spark discharge of the system and to inter-



pret this heat into terms of coil efficiency on said meter.

2,241,732
APPARATUS FOR MAKING PROPORTIONAL LIQUID ADDITIONS TO MEASURED QUANTITIES OF LIQUID
Frederick E. Olson and Peter G. McAra, Regina, Saskatchewan, Canada
Application October 3, 1939, Serial No. 297,774
In Canada July 14, 1939
1 Claim. (Cl. 137—165)



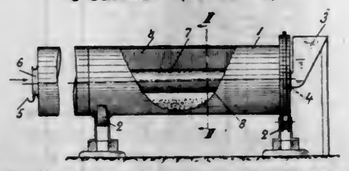
Apparatus for making measured additions of a secondary liquid to measured quantities of a primary liquid comprising a meter for the primary liquid provided with an outlet and a conduit leading therefrom, a closed tank for the secondary liquid enclosing a portion of said conduit, a pump mounted and wholly contained in said tank, a non-slipping drive from said meter to said pump, whereby flow of the primary liquid through said meter operates said pump, means provided in said drive and wholly within said tank for adjusting the ratio between the speed of said pump and that of said drive, and a connection wholly within said tank between the outlet of said pump and the portion of said conduit enclosed by said tank.

2,241,733
SLED
Datus O. Perry, Washougal, Wash.
Application October 21, 1939, Serial No. 300,561
3 Claims. (Cl. 280—21)



2. In a device of the class described, the combination of a plurality of base runner boards, cross supports secured to the top side of the base runner boards, said cross bars being upturned at their ends, a hand rail passing through the upturned ends of the cross supports with said hand rail being made of a rubber sheath having a rope disposed central thereof, and said hand rail being in spaced relation with the top side of the base runner boards between their ends and in immediate contact therewith at the front end of the top side of the runner boards.

2,241,734
METHOD OF MAKING FERTILIZERS
Kai Petersen, Soborg, near Copenhagen, Denmark
Application August 21, 1936, Serial No. 97,276
In Denmark August 26, 1935
3 Claims. (Cl. 71—9)

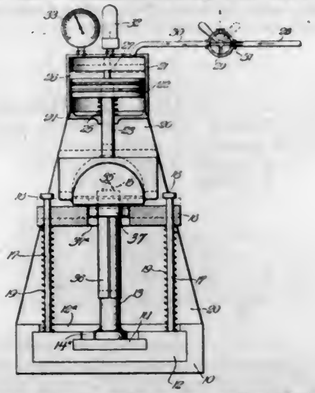


3. The method of producing fertilizers and soil improving agents from organic waste materials which comprises supplying the waste material in question to a solid-walled container in a finely divided state, such amounts of water being present that the finely divided solids are dispersed in a continuous aqueous phase, distributing coarse freely movable bodies into the said dispersion, mechanically agitating the said bodies by rotating the container simultaneously preventing sedimentation of the finely divided solids, alternately raising some of the said bodies above the level of the bulk of the said dispersion and returning them thereto, passing air over the elevated bodies to aerate the finely divided solids adhering to such bodies and to promote the growth of the aerobic bacteria present in the said solids and active at ordinary temperatures, thereby effecting a biological decomposition (mineralization and nitrification) of the finely divided solids at ordinary temperatures by means of the said aerobic bacteria and providing thin active films of the aerobic bacteria on the said bodies, and maintaining by attrition said films sufficiently thin to prevent undue ageing of the bacteria and to avoid anaerobic conversion, and continuing said mode of operation for a period of time of the order of a few hours thereby producing a mass in which the aerobic bacteria are present in a high concentration and having a high fertilizing value.

2,241,735
PROCESS AND APPARATUS FOR FINISHING VALVE SEATS AND THE LIKE
Wilbert W. Redsecker, Goshen, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application May 22, 1939, Serial No. 275,123
11 Claims. (Cl. 78—1)

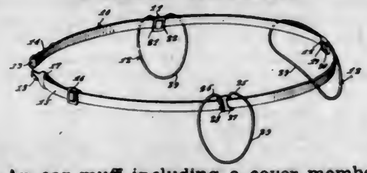
1. In apparatus for finishing valve seats and the like, a base, a support for a forming tool, a forming tool mounted thereon, said support being slidably mounted relative to said base, a support for a valve seat, said last support being also slidable relative to said base, means for biasing said last support to a limited elevation relative to said base, means for urging said last support downwardly against the force of said biasing means and for engaging said valve seat with said forming tool, means for thereafter alternately increasing and decreasing the pressure of engagement, said two means comprising a cylinder mounted stationary relative to said base, a piston therein and operative to engage said valve seat with said forming tool, a control valve for

introducing actuating fluid to said cylinder, a pop-off valve communicating with said cylinder,



and means for supplying actuating fluid to said control valve through a restricted orifice.

2,241,736
EAR AND BROW MUFF
Rno P. Reinemer, Circle, Mont.
Application January 17, 1940, Serial No. 314,302
5 Claims. (Cl. 2—209)

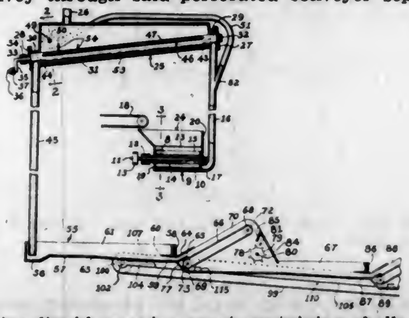


1. An ear muff including a cover member; an elastic band; a clip having the side edges thereof rolled to define sleeve portions and spaced slots intermediate the sleeves to receive the band; and a frame to support the cover, said frame having ends received by the sleeve portions of the said clip.

2,241,737
METHOD OF AND APPARATUS FOR DETACHING AND SEPARATING NUT MEATS FROM SHELLS
Felix B. Romberg, Holland, Tex.
Application November 8, 1939, Serial No. 303,484
39 Claims. (Cl. 209—3)

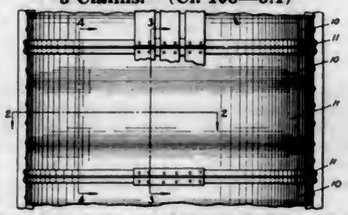
29. In an apparatus for detaching and separating nut meats from shells of cracked nuts, a series of conveying means for conveying, draining and discharging wet shells unsupported into the air, a series of rotary beaters, one for each of said conveying means, for intercepting the unsupported discharged shells in the air and striking the same, the first beater striking with sufficient impact to detach meats from the shells and succeeding beaters of the series striking at progressively greater speeds, each beater having hammer means spaced about an axis, the distance between said hammer means being progressively greater for the beaters operating at progressively greater speeds, and bath means for receiving the detached meats and shells from each of said beaters, separating the buoyant meats from the non-buoyant shells and depositing the wet separated shells on succeeding conveying means of the series.

34. In an apparatus for detaching and separating nut meats from shells of cracked nuts, a beater to strike meat containing shells of cracked nuts falling through the air and detach meats therefrom by the impact, an endless conveyer mounted to discharge said meat containing shells through the air to said beater and being perforated to permit water to readily pass through it but to retain meat containing shells, means to convey through said perforated conveyer sepa-



rating liquid carrying meat containing shells to said conveyer and thereby deposit said meat containing shells upon said conveyer, and a separating basin situated to receive separating liquid passing through said perforated conveyer and to also receive and separate the shells and detached meats struck by said beater.

2,241,738
RAILWAY CAR ROOF
John Merrill Rudel, Montreal, Quebec, Canada
Application July 25, 1939, Serial No. 286,476
In Canada March 10, 1939
5 Claims. (Cl. 108—5.4)

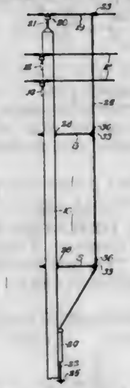


1. A car roof sheet of the radially arched type said sheet having side marginal portions adapted to be rigidly connected to an adjacent sheet to form a rigid joint, and downwardly extending eaves portions adapted to be connected rigidly to the car body, said sheet including a longitudinally extending stiffening bulge having a central convex portion of shallow arcuate cross section embracing a major portion of the width of the sheet, concave flanking portions connecting said convex portion to said side marginal portions, said convex and concave portions having arcs of curvature substantially equal and tangential to one another to provide throughout the sheet uniform flexibility and strength, said bulge increasing gradually and uniformly in height from adjacent the eaves portions to the middle portion, said sheet being characterized by the gradual change between contours and complete absence of abrupt bends.

2,241,739
STATIC WIRE GROUND LEAD SUPPORT
Harold L. Schlosser, Defiance, Ohio, assignor to Lectrolite Corporation, Defiance, Ohio, a corporation of Ohio
Application July 31, 1939, Serial No. 287,598
1 Claim. (Cl. 248—71)

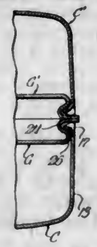
In a static wire ground lead support, a rod, a

shoulder plate welded thereon intermediate the ends thereof, the portion of said rod on one side of said shoulder plate being threaded and adapted to pass through a pole, a nut for retaining said portion in the pole and said shoulder plate against one surface thereof whereby the portion of said rod on the opposite side of said shoulder plate is rigidly supported in a position extending at substantially right angles to the axis of



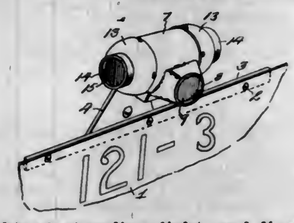
the pole, said last portion of said rod terminating a substantially distance from the pole, and an integral grooved enlargement on the outer end of said rod and adapted to coact with a static wire ground lead to hold the same spaced a distance away from the pole greater than the distance between the pole and a line wire on the cross arm thereof and with a tie wire for tying said lead to said enlargement.

2,241,740
CASING AND GRID STRUCTURE
Edward C. Schmid, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application May 29, 1940, Serial No. 337,800
2 Claims. (Cl. 53—5)



2. In a casing and grid structure, a casing formed of sheet metal with a main wall and a peripheral wall outstanding therefrom, a grid having a main wall, a peripheral flange outstanding therefrom and a flange at the terminal edge of said peripheral flange, said last flange extending in a plane substantially parallel to said main wall of said grid, said last flange serving as a stop to limit insertion of the grid into the casing, portions of said peripheral and stop flanges of said grid being of Z-shaped cross-section to provide pocket-like depressions in the outside of said peripheral flanges, said peripheral wall of said casing having inturned portions adapted to seat therein with the diagonal portion of the Z effecting snap action and biasing said stop flanges to their stop positions after said grid is installed.

2,241,741
LICENSE TAG ILLUMINATING AND SIGNALING DEVICE
Herman Schmitt, Sheboygan, Wis.
Application November 29, 1939, Serial No. 306,726
1 Claim. (Cl. 240—8.3)



A combined signaling light and license plate illuminating device, said device comprising a cylindrical casing, means for supporting said casing above and spaced outwardly from the front of the license plate, said casing having a source of light therein, a light ray opening in the under side of said casing, a flange around said light ray opening inclining downwardly and inwardly towards the outer face of a license plate, axially disposed light ray openings in the ends of said casing and having their axis in a horizontal plane, said last named light ray opening being surrounded by flanged members whereby the lights can not be seen from the rear at a right angle thereto, a flanged rearwardly extending light ray opening carried by the rear side of the casing, inwardly disposed lens in said flanged members, a supporting bracket for the cylindrical casing, said bracket terminating in an arcuately shaped plate secured to the casing, said plate conforming to and engaging said casing, a plurality of lamps within the casing in circuit with each other, a U-shaped bracket within the casing and carried by the casing and on which said lamps are mounted, a contact point insulatedly carried by the inner side of the transverse portion of the U-shaped bracket and electrically connected to the central contacts of the lamps and circuit connection means connected to said contact point and passing through said arcuate portion and casing.

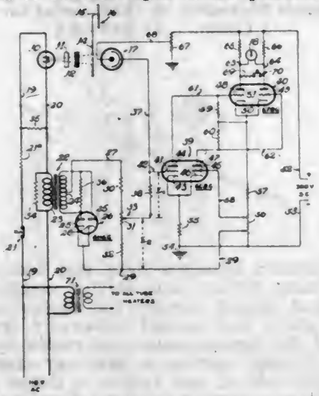
2,241,742
PROCESS OF PRODUCING ALKALINE-EARTH MOLYBDATES IN LUMPS
Gustav Schüphaus, Hamburg-Harburg, Germany
No Drawing. Application December 15, 1938, Serial No. 245,983. In Germany July 14, 1938
12 Claims. (Cl. 75—133)

1. Process for producing a hard mass containing an alkaline-earth molybdate which comprises subjecting a slightly moist mixture comprising molybdic acid and an alkaline-earth hydroxide to high pressure to form a compacted mass from said mixture and thereafter subjecting the compacted mass to treatment which causes interaction between molybdic acid and alkaline-earth hydroxide with the formation of an alkaline-earth molybdate, which interaction is accompanied by hardening of the compacted mass.

2,241,743
ELECTRO-OPTICAL INSTRUMENT
Russell L. Schoene, Evansville, Ind.
Application August 3, 1940. Serial No. 350,844
6 Claims. (Cl. 250—41.5)

2. In an electro-optical instrument the combination of a phototube, said tube having an out-

put circuit, an electrical indicator device operated from said output circuit, a gaseous-discharge type glow lamp having an electric supply circuit and arranged to furnish light to the phototube, and



means actuated in response to variations in the flow of current in said glow lamp supply circuit for modifying the actuation of said indicator to compensate automatically for variations in the light emission of said glow lamp.

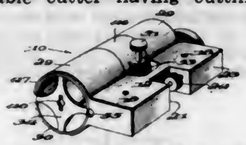
2,241,744
LAWN EDGING DEVICE
Edward Schulz, Aurora, Ind.
Application February 15, 1939, Serial No. 256,589
1 Claim. (Cl. 97—227)



A lawn edging device, comprising a handle, a concavo-convex disc cutter rotatably mounted thereon, a weighted cylinder mounted between said disc and handle and adapted to rotate with said disc, said cylinder being of considerably smaller diameter than said disc, and a weighted member mounted on the opposite side of said disc and adapted to rotate therewith, said member being of substantially hemispherical shape and of diametric dimension intermediate said cylinder and disc.

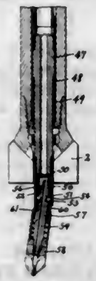
2,241,745
RAZOR
Arnold W. Scott, Detroit, Mich.
Application May 20, 1938, Serial No. 209,126
10 Claims. (Cl. 30—43)

1. In a razor, a cutting head comprising a supporting member including spaced, arcuate sleeve-supporting arms, an open ended cylindrical sleeve mounted within the supporting arms, said arms engaging the sleeve intermediate its ends whereby to maintain the open ends of the sleeve unobstructed, said sleeve being provided with a side wall opening extending from end to end thereof, a rotatable cutter mounted within said sleeve, said rotatable cutter having cutting elements



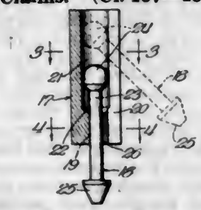
cooperable with the side edges of the opening in the sleeve, and means for rotating the cutter within the sleeve, whereby hairs fed through the side opening of the sleeve are cut and pass longitudinally of the sleeve out through an open end thereof.

2,241,746
DIRECTIONAL DRILLING APPARATUS
George L. Scott, Compton, Calif., and Wiley B. Noble, Houston, Tex., assignors to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application April 3, 1939, Serial No. 265,668
13 Claims. (Cl. 255—1)



1. In a device for changing the direction of a drilled hole, a bit having a central opening therein, and a deflecting member adapted to be mounted in said central opening in the bit and to project therefrom and engage the bottom of a drilled hole in advance of said bit to deflect said bit in a predetermined direction, said deflecting member having a joint therein whereby the lower portion thereof may be deflected laterally to engage the bottom of a drilled hole eccentrically with respect thereto.

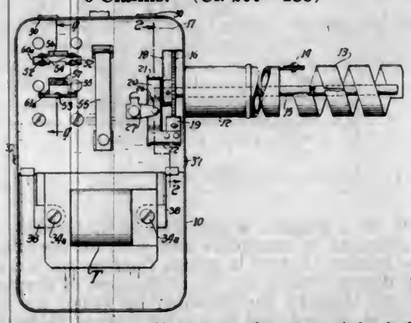
2,241,747
SOLENOID VALVE
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application May 22, 1939, Serial No. 275,063
4 Claims. (Cl. 137—139)



1. In a plunger for use in a solenoid valve comprising a stem for said plunger having a valve plug, an integral head, and a shank between said plug and head, said plunger having

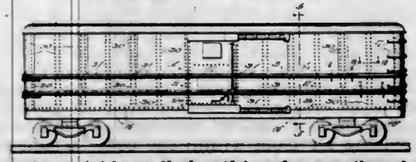
a longitudinally arranged slot inwardly from one side and extending throughout the length thereof to receive said shank, said slot being of less diameter than said plug and said head and having an enlarged bore extending from the upper end of said plunger to a point spaced from the lower end thereof, said bore being of large enough diameter to receive said head, and a key inserted in the lower portion of said slot below said enlarged bore to retain said shank in said slot and thereby retain said stem against misalignment relative to said plunger.

2,241,748
STACK SWITCH
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application September 11, 1939, Serial No. 294,408
6 Claims. (Cl. 200—138)



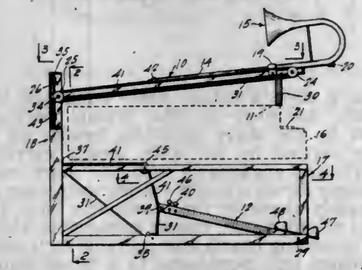
1. In a stack switch, a casing, a notched disc in said casing, a switch coacting therewith, temperature responsive means for rotating said disc, said switch comprising a buckled leaf, a contact carried thereby, a stationary contact for engagement therewith, a projection from said buckled leaf, said projection being U-shaped, an adjusting screw carried thereby to open or close the U, the free end of said projection engaging the periphery of said notched disc to be swung in one direction or the other by rotation of the disc in opposite directions and consequent movement of said buckled leaf with snap action from one circuit controlling position to the other.

2,241,749
RAILROAD CAR
George A. Steuber, Penfield, N. Y., assignor to Despatch Shops, Inc., a corporation of New York
Application April 10, 1939, Serial No. 267,133
3 Claims. (Cl. 105—409)



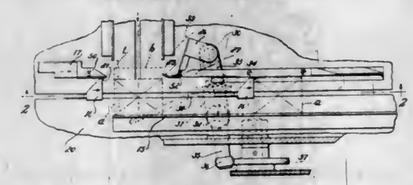
1. An outside wall sheathing for a railroad car comprising wall posts having vertical rows of openings, vertically extending wall sheets covering substantially the upper half of the car wall and having rows of openings along their longitudinal edges registering with said openings in the vertical posts, a plurality of rows of horizontally extending wall sheets covering substantially the lower half of the car wall, the lower edges of the vertical sheets and adjacent longitudinal edges of the horizontal sheets being provided with outwardly extending flanges, removable fastenings passing through the openings in the posts and vertical sheets and detachably fastening said sheets to the posts, and fastenings independent of the first-named fastenings passing through the flanges of the sheets, said fastenings being exposed so as to admit of their removal from the outside of the wall.

2,241,750
FOOT-OPERABLE ATTACHMENT FOR TROMBONES
Wiley H. Strane, Oakland, Calif.
Application August 20, 1940, Serial No. 353,355
12 Claims. (Cl. 84—395)



1. A trombone slide operating device comprising a support for supporting a trombone in playing position relative to the keyboard of a piano; a foot treadle carried by said support, and operative connections between the treadle and said slide for operation of the slide in conformity with opposite movements of the treadle.

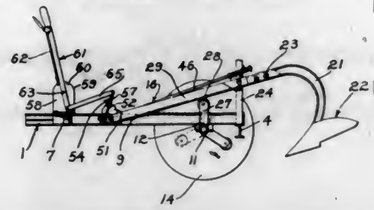
2,241,751
WRAPPING MACHINE
Edwin Alton Van Wart, Wilbraham, Mass., assignor to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts
Application March 1, 1940, Serial No. 321,738
14 Claims. (Cl. 93—2)



1. A machine for wrapping an article provided with a tearing strip which comprises means for supporting an article having a wrapper folded around five of its sides with a tubular wrapper extension projecting beyond the sixth side, said wrapper carrying a tearing strip extending around the article adjacent one end and in a plane at right angles to said sixth side and extending beyond one side of the wrapper extension, means for forming tucks in those sides of the wrapper extension in which the tearing strip does not lie, and triangular overlaps in the other sides, said tucking means being spaced from at least the triangular overlap enclosing the tearing strip so as to leave said overlap open and uncreased, and means for folding the projecting flaps into overlapping relation upon the sixth side of the article and for flattening against said side each of said uncreased triangular overlaps

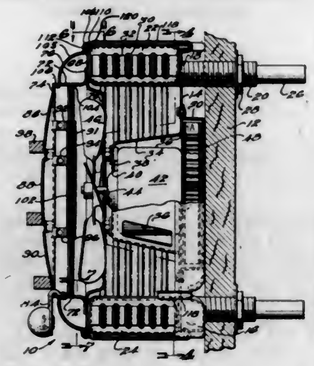
adjacent the end of the package to permit substantially straight emergence of the tearing strip from the flap.

2,241,752
PLOW
William Earl Wentworth, Von Ormy, Tex.
Application January 16, 1940, Serial No. 314,176
8 Claims. (Cl. 97—45)



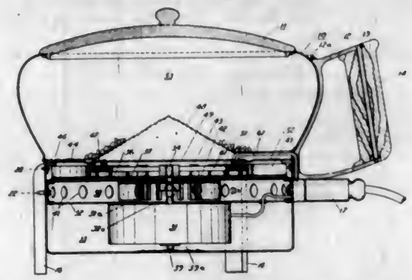
1. In a plow, a frame, share mounting beams pivotally mounted on the frame, plowshares carried by the share mounting beams, an axle, wheels carried by the axle, means carried by the axle and engageable with the share mounting beams for alternately raising said beams and alternately engaging the plowshares with a surface to be cultivated, means engageable with the share mounting beams and operable for retaining said beams and plowshares in a raised inoperative position, and means mounted on the frame and connected with said last mentioned means and being operable for controlling said last mentioned means from a remote point.

2,241,753
AUTOMOBILE BODY HEATER
Claude H. F. Whitlark, Detroit, Mich., assignor, by mesne assignments, to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application February 8, 1937, Serial No. 124,595
4 Claims. (Cl. 257—137)



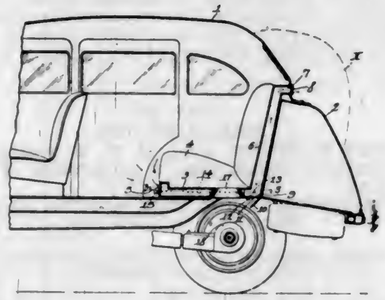
3. An automobile heater comprising an annular heat-exchange core, a casing providing covers at the ends of the core and having an air inlet opening extending peripherally of the core, one of said covers having an air delivery opening therein and the other cover having thereon a blower housing provided with an air intake opening inside the core and an air delivery nozzle extending to the outside of the casing, a motor mounted on said other cover and extending axially within the core, a propeller fan on one end of the motor shaft and arranged to operate in said delivery opening for drawing cool air in through the peripheral opening and discharging heated air at said delivery opening, and a blower on the other end of the motor shaft and operable in said blower housing for taking heated air from within the core and discharging it through said nozzle.

2,241,754
APPARATUS FOR POPPING CORN
Irven H. Wilsey, Chicago, Ill.
Application March 24, 1938, Serial No. 197,843
7 Claims. (Cl. 53—4)



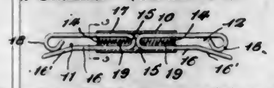
6. In a popper, a pan-like shell divided into a plurality of chambers and with an opening in the bottom thereof, a means for heating air, motor driven means for the circulation of the heated air through the chamber in which the corn is to be popped, and means for cooling said motor driven means by use of a secondary air circulating system through the remaining chambers.

2,241,755
SUCTION CONTROL FOR VEHICLE BODIES
Joseph Vincent Zaccone, Chicago, Ill.
Application January 10, 1939, Serial No. 250,231
1 Claim. (Cl. 98—2)



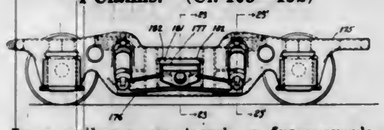
The combination with a vehicle body proportioned to create a rarefied area at the back thereof, and a seat in the body, of means for supplying air from within the body to said area to simultaneously ventilate the body and increase pressure in said area, said means including a flue extending under the seat and upwardly back of the seat, said flue having an air inlet in one end opening into the body at the front of the seat, an air inlet opening through the bottom of the body, and an air outlet opening through the back of the body at the upper end of the flue and into said area.

2,241,756
SOFT COLLAR HOLDER
Louis A. Anderson, Attleboro, Mass.
Application December 28, 1940, Serial No. 372,133
2 Claims. (Cl. 24—81)



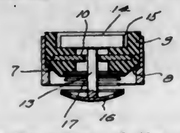
1. A soft collar holder comprising a tubular open-ended bar, a collar gripping means slidably engaged through respective ends of the bar, and including a bight portion, a helical spring seated in each bight portion, and extended in the direction of respective open ends, and tongue members on the ends of the bar extended across the path of the springs.

2,241,757
VEHICLE
Brunolf C. Baade, Dessau-Anhalt, Germany, assignor, by mesne assignments, to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application May 5, 1934, Serial No. 724,112
Renewed February 8, 1939.
4 Claims. (Cl. 105—192)



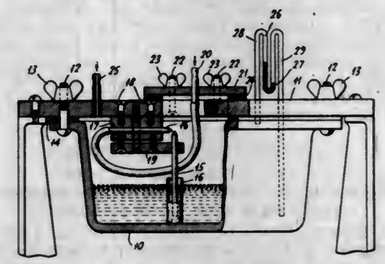
4. In a railway car truck, a framework comprising a side member having a central bolster opening and a bolster end projecting therethrough, an equalizer mounted on said bolster end outwardly of said side member, and a plurality of resilient connections between said equalizer and adjacent points of said side member, each of said resilient connections including a fluid cylinder, a piston operable therein, a spring-resisting movement of said piston in one direction and fluid means for snubbing the action of said piston in the other direction.

2,241,758
AUTOMATIC VALVE FOR HOSE NOZZLES
Joseph J. Baldine, Hubbard, Ohio
Application December 12, 1938, Serial No. 245,249
2 Claims. (Cl. 251—144)



1. An automatic valve of the class described comprising a removable valve unit including a metallic sleeve adapted for frictionally mounting in a tubular rubber nozzle, a rubber valve seat frictionally retained in the sleeve, an apertured reinforcing disk embedded in the seat, said disk being equal in external and internal diameters to the seat to reinforce its entire area and having peripheral notches exposing uninterrupted surface areas of the seat for frictional contact with the sleeve, said disk and seat having aligned central openings, a pressure responsive valve cooperating with the seat and having a stem slidably mounted in said opening, said valve being adapted for opening movement by pressure of fluid passing therethrough and spring means for closing the valve.

2,241,759
INK VAPORIZING APPARATUS
Percy J. Barnes, Babylon, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 14, 1938, Serial No. 185,073
4 Claims. (Cl. 299—88.5)

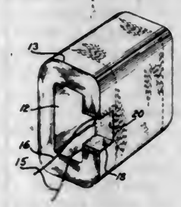


1. An ink atomizer comprising an ink chamber formed of a material inert to ink dye, an apertured cover for said chamber, a first supporting member joined to the apertured cover, a second supporting member mounted on said first supporting member and adjustable with respect thereto, a first tubular member passing through and held by the first supporting member and adapted to have a pressure medium passed therethrough, a second tubular member passing through and supported by the second supporting member, said second tubular member having one end thereof positioned immediately adjacent the end of said first tubular member and the other end thereof adapted to be immersed in ink and outlet means passing through an aperture in said chamber for removing ink vapor of a substantially constant value.

2,241,760
PROCESS FOR PREPARING N-FURFURYL-AMINOPHENOLS
Frederic R. Bean, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 3, 1937, Serial No. 134,902
5 Claims. (Cl. 260—345)

1. A process for preparing a N-furfurylaminophenol comprising reacting a N-furfurylidene aminophenol with alkali and a metal capable of liberating hydrogen from the alkali.

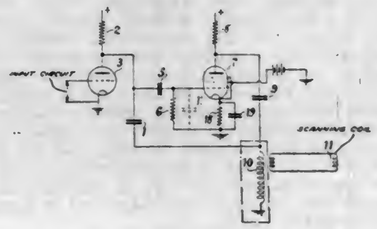
2,241,761
ELECTRICAL COIL AND A METHOD OF MAKING THE SAME
Charles O. Blaisdell, Oak Park, and Frank Martindell, Western Springs, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1939, Serial No. 255,888
6 Claims. (Cl. 175—21)



6. A method of making an electrical coil,

which comprises winding a plurality of layers of convolutions of wire, separating said layers from each other by inserting therebetween sheets of cellulose acetate material of sufficient width to project beyond one end of said layers, withdrawing the inner and outer ends of the wire from between the projecting end portions of said sheets to provide leads for external connections, coalescing said projecting end portions only between the points where the leads are required to emerge from the coil, thus providing a barrier for preventing withdrawal of the wire ends beyond said points, and withdrawing the wire ends up to said barrier.

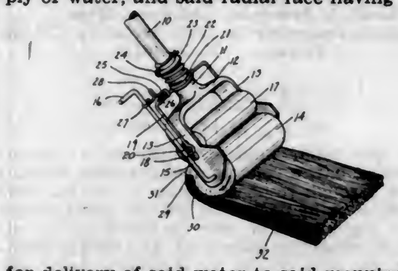
2,241,762
THERMIONIC VALVE CIRCUIT, PARTICULARLY FOR USE IN TELEVISION
Alan Dower Blumlein, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application April 26, 1937, Serial No. 138,951
In Great Britain April 29, 1936
5 Claims. (Cl. 250—36)



1. Apparatus for producing a serrated wave form comprising a first means for storing electrical energy, a source of uni-directional current, inductive means connected serially with said first means for storing electrical energy, a series circuit including said source of uni-directional current, said first means for storing electrical energy and inductive means, a discharge path for said first means for storing electrical energy, said discharge path being connected substantially in parallel with said first means for storing electrical energy and said inductive means, a second electrical energy storage means connected serially with said inductive means, a source of unidirectional current connected serially with said second electrical storage means and said inductive means, a thermionic tube having an anode, a cathode and at least one control electrode, said second electrical storage means and said inductive means being connected in the anode-cathode circuit of said thermionic tube, and means for impressing variations in the potential of said first electrical storage means onto the control electrode-cathode path of said thermionic tube.

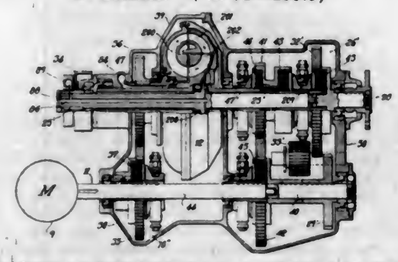
2,241,763
WRINGER MOP
Gilbert E. Bodimer, Indianapolis, Ind.
Application December 2, 1939, Serial No. 307,306
1 Claim. (Cl. 15—119)

In a wringer mop, a roller of spiral cross section having a radially extending face joining inner and outer portions of the spiral, mopping material secured to said radial face, a second roller yieldingly engaging said first roller, and means for rotating said first roller to pass said mop material between said rollers, said spiral roller being hollow and adapted to contain a supply of water, and said radial face having orifices



for delivery of said water to said mopping material.

2,241,764
POWER TRANSMISSION
Hanns Stephan Wilhelm Böllinger and Walter Moritz Alwin Gottschalck, Frankenthal, Pfalz, Germany, assignors to Klein, Schanzlin & Becker Aktiengesellschaft, Frankenthal, Germany
Application November 6, 1936, Serial No. 109,504
In Germany November 6, 1935
11 Claims. (Cl. 74—189.5)

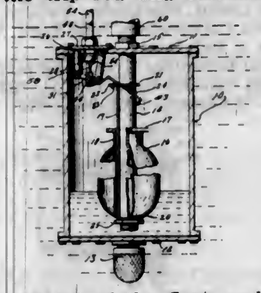


1. A power transmission comprising a hydraulic transmission having a drive shaft and a driven shaft, a mechanical variable speed transmission connected with said drive shaft and comprising parts adapted to be connected with said driven shaft, another variable speed transmission connected with said driven shaft and having parts in common with said first mentioned transmission, said parts being adapted to be connected with said drive shaft, whereby the speed at which said hydraulic transmission operates can be changed, and a mechanical connection between said two mechanical transmissions, said parts common to both transmissions increasing the number of variable speeds available from said transmissions.

2,241,765
HYDROPNEUMATIC PUMP
Lloyd R. Chambers, Greer, S. C.
Application March 12, 1940, Serial No. 323,597
6 Claims. (Cl. 103—248)

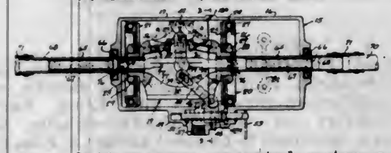
1. A pump of the character described comprising a casing having a water intake at its lower end, a head closing the upper end of the casing having a valved water outlet, a water discharge pipe depending from said outlet, air inlet and air exhaust ports formed in said head, a valve cooperable with each of said ports, a reciprocable float, a rod carried by the pipe having a stop at its lower end in the path of movement of the float, said rod being of a length less than the movement of the float, a trip lever connected with the valves of said air inlet and air exhaust

valve, said trip lever having operative connection with the trip rod and extended into the



path of movement of the float, and releasable detent means associated with said trip lever for controlling movement of said valves.

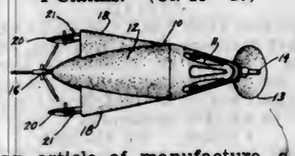
2,241,766
WINDSHIELD WIPER MECHANISM
Irven E. Coffey, Normandy, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application April 4, 1939, Serial No. 265,883
17 Claims. (Cl. 121—123)



1. In a fluid pressure operated motor, a casing, wall structure therein having a cavity, said casing and structure being relatively movable, tubular members projecting oppositely from said wall structure through said casing and communicating with said cavity and with the interior of said casing on opposite sides of said structure, means for connecting said cavity and said tubular members with sources of differential fluid pressures, valves in said tubular members, and means for automatically operating said valves to alternately connect the opposite portions of said casing structure to said fluid pressure sources.

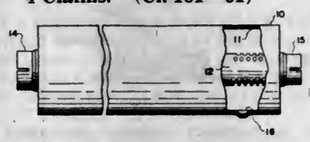
13. In a fluid motor for windshield wipers, a casing and wall structure forming a collapsible and expansible pressure chamber therewith, means for alternately connecting said chamber to sources of differential fluid pressures, and a parking device manually movable to a position to be operated by a normally movable part of the motor to stop the motor.

2,241,767
FISH LURE
Orville F. Cullerton, Chicago, Ill., assignor to The W. J. Jamison Company, Chicago, Ill., a copartnership consisting of Ethel B. Cullerton and Orville F. Cullerton
Application August 3, 1940, Serial No. 350,792
4 Claims. (Cl. 43—46)



1. As an article of manufacture, a fish lure having a body into which is threaded a swivel socket assembly and a whirling element swivelly connected to the socket assembly, said socket assembly comprising a member having one end threaded and screwed directly into said body and having its other end formed with a socket, and an eye element having one end formed with an eye to which said whirling element is connected and having its other end formed into a ball disposed in said socket, said ball end being retained in said socket by an inwardly turned edge portion at the outer end of said socket member.

2,241,768
SILENCER CONSTRUCTION
Floyd E. Deremer, Detroit, Mich.
Application November 3, 1939, Serial No. 302,778
4 Claims. (Cl. 181—61)

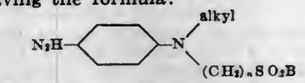


1. An automobile exhaust gas silencer outer shell consisting of two telescoped plies having alined holes, the inner ply having an outwardly projecting annular flange surrounding the hole therein and disposed within the hole of the outer ply.

2,241,769
SULPHONIC ACID DERIVATIVES OF ARYL DIAMINES
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 29, 1939, Serial No. 264,852
10 Claims. (Cl. 260—510)

1. A process for the manufacture of aryl diamines having at least one sulfonic group in their molecule which comprises reacting a halogenated alkyl sulfonate with an aryl amine which has a reducible nitrogen containing group attached to the nucleus, conducting said reaction in the substantial absence of oxidizing conditions and at a temperature between about 75° C.–400° C., whereby a substituted aryl amine having an amino group containing the alkyl sulfonic group, and said reducible nitrogen group, is obtained, thereafter catalytically hydrogenating said substituted aryl amine for converting said reducible nitrogen group to an amino group.

7. As a new compound an aryl diamine derivative having the formula:



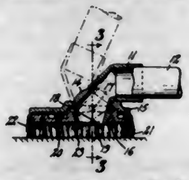
wherein n is at least 2 and B is a member of the group consisting of NaO, NH_2 and OCH_3.

2,241,770
STABILIZATION OF STYRENE AND RELATED COMPOUNDS
Robert R. Dreisbach, Sylvia M. Stoesser, and Alden W. Hanson, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 4, 1937, Serial No. 146,519
3 Claims. (Cl. 260—669)

1. The method which comprises stabilizing a

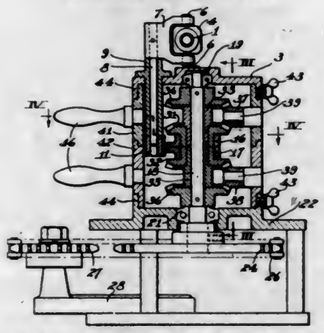
polymerizable vinyl compound against polymerization during storage and distillation by treating the same with phenylacetylene, and thereafter removing the phenylacetylene to recover the vinyl compound in readily polymerizable form.

2,241,771
SUCTION NOZZLE
Lars Johan Faith Ell, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application August 7, 1937, Serial No. 157,829
In Germany August 15, 1936
3 Claims. (Cl. 285—91)



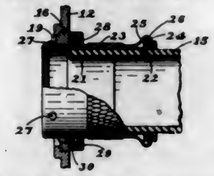
1. In a vacuum cleaner including a nozzle adapted to engage a relatively flat working surface, and a conduit, a ball and socket joint interconnecting said nozzle and said conduit, and pivot means carried in diametrically opposite recesses in said ball and riding in an annular groove in said socket.

2,241,772
ADJUSTABLE FLUID CONTROL
Walter H. Emerson, East Liverpool, Ohio, assignor to The Homer Laughlin China Company, Newell, West Virginia, a corporation of Delaware
Application December 6, 1939, Serial No. 307,787
2 Claims. (Cl. 74—53)



1. A fluid control comprising means for operating a valve in a fluid conduit, a plurality of cams for engaging and actuating said means, a pair of spaced members, a rotatable shaft extending through said cams and journaled in said end members, a bevel gear rigidly connected to each cam and rotatable on said shaft, a cooperating bevel gear spaced from each of said first-mentioned gears and rigidly mounted on said shaft, a bevel pinion meshing with each pair of bevel gears, a pair of rings encircling said gears and rotatably supporting said pinions, said rings being disposed end to end between said end members and closing the space between them, means for rotating the rings relative to each other and said end members to adjust the position of the cams relative to each other, and means for detachably locking the rings against rotation.

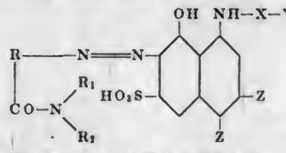
2,241,773
VACUUM CLEANER
Carl Oskar Ernolf, Stockholm, Sweden, assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application December 7, 1938, Serial No. 244,308
In Sweden December 11, 1937
4 Claims. (Cl. 285—175)



1. The combination with a vacuum cleaner casing having an opening and a flexible hose, of means for securing the flexible hose in the opening of the vacuum cleaner casing including a ring having a plurality of spaced sectors, said sectors having transversely extending grooves, said ring being secured in the opening of the casing, outwardly extending pins secured to the end of the hose, and resilient sealing means secured between the hose for holding said pins in engagement with said grooves and for sealing said hose with respect to said casing.

2,241,774
MONOAZO DYESTUFFS
Richard Fleischhauer, Frankfort-on-the-Main-Fechenheim, Carl Theo Schultis, Bergen, near Frankfort-on-the-Main, and Ernst Korten, Frankfort - on - the - Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application June 1, 1939, Serial No. 276,806. In Germany June 2, 1938
4 Claims. (Cl. 260—199)

1. Monoazo dyestuffs of the general formula



wherein R means a radicle of the benzene series, R_1 stands for a member of the group consisting of aliphatic, hydroaromatic and aromatic radicles, R_2 for a member of the group consisting of aliphatic and hydroaromatic radicles containing less than 10 carbon atoms, R_1 and R_2 together containing at least 14 carbon atoms, X stands for a member of the group consisting of carbonyl (CO) and sulfoyl (SO_2), Y for a member of the group consisting of alkyl and aryl groups of the benzene series, said aryl group being directly linked to X by a nuclear carbon atom of the benzene nucleus, one Z stands for the sulfonic acid group (SO_3H) and the other for hydrogen, which dyestuffs dye the animal fibers mostly reddish shades of a good fastness particularly to washing, fulling, seawater, perspiration and light.

2,241,775
NOZZLE FOR VACUUM CLEANERS
Axel Albert Forsberg, Stora Essingen, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application August 31, 1938, Serial No. 227,607
In Sweden September 2, 1937
1 Claim. (Cl. 15—158)

A nozzle for vacuum cleaners including a nozzle body having a suction opening, closely packed brush bristles depending from the rear edge and two ends of the nozzle body around said suction opening, and closely packed brush bristles



secured in sections extending in spaced relation from the forward edge of the nozzle body, said brush sections having a triangular cross-section with the apex of the triangle extending forwardly.

2,241,776
NOZZLE FOR VACUUM CLEANERS
Gösta Dahl, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application August 31, 1938, Serial No. 227,637
In Sweden September 2, 1937
3 Claims. (Cl. 15—158)



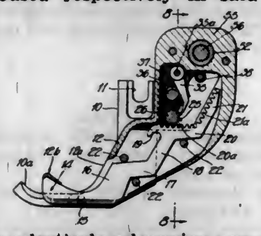
1. A nozzle for vacuum cleaners comprising a nozzle body having a suction opening, a plurality of brush sections depending from the front edge of the nozzle body in spaced relation, a plurality of brush sections depending from the front edge of the nozzle body between said first-named brush sections overlapping adjacent sections of said first-named brush sections in a direction of normal movement of said nozzle and forming passages therebetween communicating with said suction opening, said first-named and second-named brush sections differing in flexibility, whereby movement of said nozzle body in one direction in contact with a surface being cleaned causes relative movement between said brush sections to close said passages, and brush sections depending from the rear edge and ends of said nozzle body.

2,241,777
PRODUCTION OF ALIPHATIC BRANCHED-CHAIN HYDROCARBONS OF THE DI-OLEFIN SERIES
Wilhelm Friedrichsen, Ludwigshafen - on - the-Rhine, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application August 15, 1939, Serial No. 290,230. In Germany August 17, 1938
5 Claims. (Cl. 260—680)

1. A process for the manufacture of aliphatic branched-chain hydrocarbons containing conjugated double linkages which consists in contacting a 1.3-dioxane containing in the dioxane ring a carbon atom attached to at least three carbon atoms, the remaining linkage being attached to an atom of the group consisting of oxygen and carbon, in the gas phase at temperatures between about 150° and 450° C. with a solid dehydration catalyst.

2,241,778
PRESSER FOOT AND MULTIPLE GAUGE FOR SEWING MACHINES
Nicholas Giancola, Guttenberg, N. J.
Application June 2, 1939, Serial No. 276,992
6 Claims. (Cl. 112—235)

1. In combination, a presser foot having a plurality of downwardly open slots, a plurality of gauges housed respectively in said slots, and



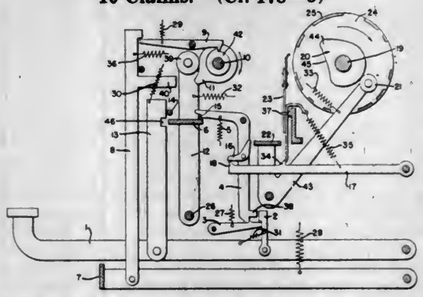
means for selectively advancing any one of said gauges into gauging position and retracting the same.

2,241,779
PLATING ATTACHMENT FOR FULL-FASHIONED KNITTING MACHINES
Walter Hartmann, Paterson, N. J., assignor to Alfred Hofmann, Inc., West New York, N. J.
Application November 7, 1939, Serial No. 303,195
10 Claims. (Cl. 66—129)



1. In combination with the reciprocating friction bar and reciprocable carrier bars of a full-fashioned knitting machine, a plating attachment comprising carrier bar engaging means, a pair of complementary friction boxes each disposed for frictional engagement with the friction bar and arranged to engage said carrier bar engaging means, and means operable for locking and unlocking said friction boxes relatively to each other whereby said carrier bar engaging means and the carrier bar in engagement therewith may be moved with the friction bar in one direction by one of said friction boxes, and in the other direction by the other of said friction boxes.

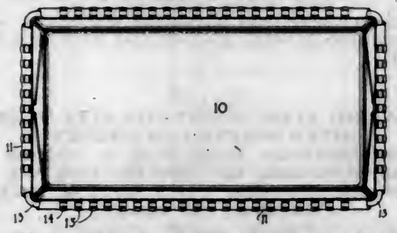
2,241,780
TELEGRAPH TRANSMITTER
Fritz Hennig, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application May 9, 1940, Serial No. 334,181
In Germany February 8, 1939
10 Claims. (Cl. 178—5)



1. In a keyboard transmitter for facsimile printing telegraphs, a plurality of transmitting elements, one for each symbol, each having control surfaces corresponding to the light and dark areas of a scanned symbol, a contact for each transmitting element, a control member for each contact, a plurality of key levers, one for each

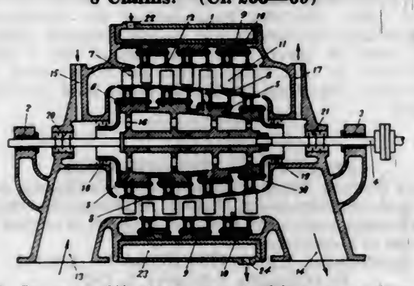
contact, means associated with each key lever for controlling said control members, and means for removing said means from association with said key levers prior to the beginning of transmission of a facsimile system.

2,241,781
BAKING PAN
Joseph G. Jackson, Oak Park, Ill., assignor to The Edward Katzinger Company, Chicago, Ill., a corporation of Illinois
Application January 24, 1938, Serial No. 186,588
10 Claims. (Cl. 53—6)



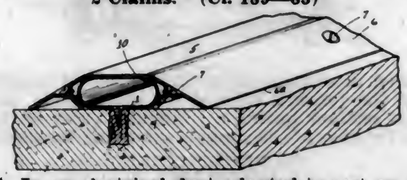
2. The combination with a baking pan, a stiffening frame adjoining an upper edge thereof, a flange extending from said upper edge enclosing said frame to create a reinforcing bead, and mutually indented areas formed in said frame and flange.

2,241,782
GAS TURBINE
George Jendrassik, Budapest, Hungary
Application July 5, 1938, Serial No. 217,502
In Hungary July 7, 1937
8 Claims. (Cl. 253—69)



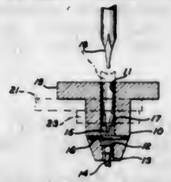
1. In a multi-stage gas turbine, a casing, a rotor, two metallic walls for guiding the flow, connected constructionally to the said casing and rotor, respectively, so as to enclose intermediate insulating gas layers, and stationary and rotating turbine blades carried by the one and the other of the said guiding walls, each of the said walls being composed of separate plate-shaped pieces arranged in rings around the turbine axis and fitted closely together so as to form continuous lateral boundary surfaces for the streaming working medium in the expansion space of the turbine, and each of the said plate-shaped pieces being, for the purpose of their fastening to the constructional parts carrying them as the casing and the rotor, respectively, made integral with leg extension of such length and cross-section as to sufficiently suppress the flow of heat through themselves, without being on their own part specially cooled, towards the parts carrying them, and the blade rings of the turbine being united with a corresponding number of rings of the said plate-shaped pieces so that the said pieces should form the blade soles.

2,241,783
FLOOR DUCT
Frank J. Kennedy, Brooklyn, N. Y., assignor to National Electric Products Corporation, a corporation of Delaware
Application February 19, 1940, Serial No. 319,598
2 Claims. (Cl. 189—85)



1. In an electrical duct adapted to rest on the surface of a floor comprising a channel element formed as a substantially flat base adapted for mounting on a floor surface and upstanding side walls formed to project outwardly above their junction lines with the base, and a housing element having two divergently declining side walls arranged in assembly of the housing with the channel to lie with its terminal edges laterally beyond the channel and out of direct contact therewith; the herein described novel engagement between the channel and the housing consisting essentially of locking fingers mounted in the divergent side walls of the housing and arranged for extension convergently downward and inward from their mounting in the divergent side walls of the housing a regulable distance toward the channel side walls by a position terminally beneath the outward projections thereof to engage the housing to the channel.

2,241,784
TOOL
Homer W. Larson, Downers Grove, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 12, 1939, Serial No. 283,922
3 Claims. (Cl. 81—121)

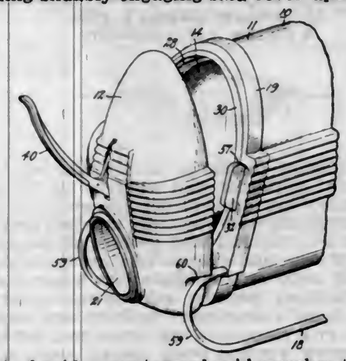


1. A wrench for use in driving screws having non-slotted heads by means of a screw driver blade comprising a tubular-like body member having its inner periphery at one end formed to provide a socket portion for engaging peripheral faces of non-circular screw heads, the inner periphery at its opposite end portion being circular and a slotted circular insert fixed within said body member between the opposite ends of its inner periphery for operatively receiving in the slot a screw driver blade, said opposite end portion extending from said slotted insert for such a distance that it is effective to axially support and guide the blade into operative engagement in the slot.

2,241,785
VACUUM CLEANER
Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application December 10, 1937, Serial No. 179,067
7 Claims. (Cl. 220—55)

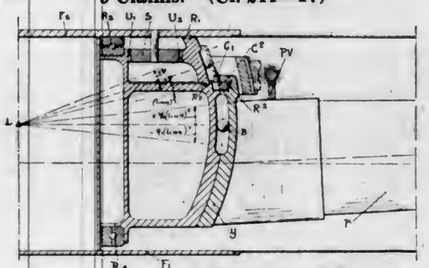
1. In a vacuum cleaner, an open ended casing,

a member secured to said casing having an opening communicating with said casing, a removable cover for said opening, said member and said cover having cooperating projections and openings to receive the projections, guiding means secured to said member at one side of the opening slidably engaging said cover upon move-



ment of said cover toward said member to direct said projections to said openings for engagement of the wall of each opening with the side of a corresponding projection and cooperating camming surfaces between the wall of said opening and the side of said projection serving to separate said guiding means upon final closing movement of said cover.

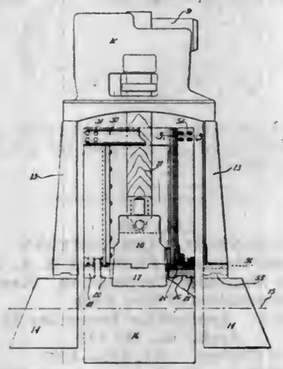
2,241,786
STABILIZATION OF ROTATING LIFTING SYSTEMS
William Arthur Loth and Sébastienne Marie Henriette Guyot, Paris, France
Application July 28, 1937, Serial No. 156,064. Renewed November 7, 1939. In France July 31, 1936
9 Claims. (Cl. 244—17)



1. In an aircraft, a main body member, a rotating lifting mechanism universally mounted in the body member and having a geometrical axis of alterable rotation, driving means for said lifting mechanism comprising a rotating hub rotatable about a fixed geometrical axis, and driving means for imposing on the geometrical axis of rotation of the lifting mechanism a conical motion about the geometrical axis of rotation of the hub when the angle formed by said geometrical axes attains a predetermined value.

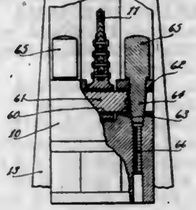
2,241,787
DROP HAMMER
Arthur T. Murray, Springfield, Mass., assignor to Moore Drop Forging Company, Springfield, Mass., a corporation of Massachusetts
Application August 21, 1939, Serial No. 291,151
3 Claims. (Cl. 78—25)

1. In a drop hammer, an anvil, a massive foundation therefor, guideways extending vertically from the anvil, means permitting the adjustment of each guide in two directions at right angles to each other, a hammer vertically slidable in said



guides, means for operating the hammer, columns supporting said operating means, and massive foundations for said columns mounted wholly independently of said anvil foundation.

2,241,788
DROP HAMMER
Arthur T. Murray, Springfield, Mass., assignor to Moore Drop Forging Company, Springfield, Mass., a corporation of Massachusetts
Original application August 21, 1939, Serial No. 291,151. Divided and this application July 20, 1940, Serial No. 346,644
3 Claims. (Cl. 78—25)



1. In a drop hammer, a hammer having tapered holes having greater diameters at their top than at their bottom, weights having shanks tapered to fit in said holes, and threaded holes aligned with said tapered holes.

2,241,789
BEARINGS AND METHOD OF PRODUCING THE SAME
Paul Etienne Queneau, Copper Cliff, Ontario, Canada, and William Alvin Mudge, Huntington, W. Va., assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
Application May 27, 1938, Serial No. 210,370
23 Claims. (Cl. 29—149.5)

4. The method of producing bearing surfaces comprising roughening the bearing face of a piece of base metal to produce a plurality of small irregular hills of the base metal surrounded by valleys, coating the roughened face of the base metal with bearing metal at least sufficiently thick substantially to fill the valleys to the tops

of the hills, and machining the coated surface to smooth the same and expose the tops of said base metal hills whereby a smooth bearing sur-



face is provided comprising a plurality of small areas of base metal surrounded by a matrix of the bearing metal.

2,241,790

CLEANSING COMPOSITION

Ernest Wayne Rembert, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

No Drawing. Application December 23, 1937, Serial No. 181,323
2 Claims. (Cl. 252—142)

1. An aqueous acid cleansing composition for cementitious articles containing calcareous materials consisting essentially of an intimate mixture of water, an acid having an ionization substantially equal to the ionization of acetic acid at equal concentrations and reactive with the calcareous materials of the article, an alkylated naphthalene sulphonic acid as a wetting agent, an alkali metal salt of sulphonated abietine as a foaming agent, an alkali metal salt of a sulphate of a higher normal alcohol as a flotation agent, the said agents being adapted to preserve their wetting, foaming and flotation properties, respectively, in the presence of the acid.

2,241,791

HYDROUS SILICATE GELS AND METHOD OF MAKING THE SAME

Ernest Wayne Rembert, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

No Drawing. Application July 7, 1939, Serial No. 283,138
9 Claims. (Cl. 23—110)

1. In a process of producing insoluble silicates, the steps of forming a solution of a freely soluble compound of an alkaline earth metal in an aqueous solution and slowly adding a soluble silicate to such medium to form a silicate of such metal, the rate of addition of the soluble silicate being such as to maintain its concentration below that concentration at which an insoluble silicate having a dense granular structure and low adsorption efficiency is formed, said rate of addition being extended over a period of time of not less than one hour.

2,241,792

PROCESS OF PRODUCING DIOLEFINS

Walter Reppe, Adolf Steinhofer, and Otto Hecht, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 25, 1938, Serial No. 236,910. In Germany November 4, 1937
2 Claims. (Cl. 260—680)

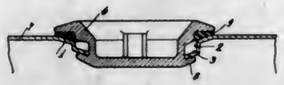
1. A process for the production of butadiene which comprises leading tetrahydrofurane in the gas phase at temperatures between about 250° and 450° C. over a phosphate catalyst having an acid reaction.

2,241,793

BUNG OR DISCHARGE HOLE FORMATION IN A SHEET METAL CONTAINER WALL

Edmund Steven, Cologne-Kalk, Germany, assignor to American Flange & Manufacturing Co. Inc., Chicago, Ill., a corporation of Illinois

Application July 23, 1936, Serial No. 92,058
In Germany August 2, 1934
8 Claims. (Cl. 220—39)



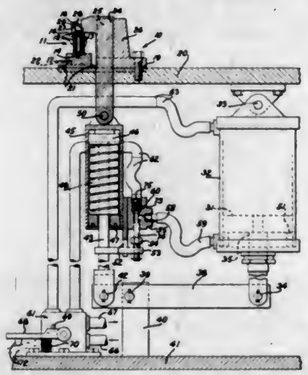
1. A bung or discharge hole formation in a sheet metal container wall wherein all the elements thereof are formed from the container wall stock, comprising a downwardly tapering seat for a gasket, a cylindrical wall portion at the lower end of said seat, and a screw winding in the form of a spiral collar or shoulder at the lower end of said cylindrical portion, said spiral collar or shoulder being transversely inclined and sloping inwardly with respect to the container, the ends of said screw winding being spaced apart so as to form an interstice to permit of the screwing in of a screw threaded bung and substantially complete discharge of the liquid contents of the container.

2,241,794

CLAMPING OR COMPRESSING APPARATUS

John S. Stull, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application April 16, 1938, Serial No. 202,580
3 Claims. (Cl. 121—38)



1. A control mechanism for compressing apparatus having movable and stationary pressure elements comprising a source of fluid under pressure, a piston actuated by said fluid, a direct mechanical connection between the piston and movable pressure element including a tubular member connected to the movable pressure element, a shouldered member reciprocable in the tubular member, an element adjustable in the tubular member, a predeterminedly tensioned means interposed between the shouldered member and said adjustable element through which motion is applied to the movable pressure element to apply pressure a predetermined amount and thereafter to yield, and means associated with said shouldered and tubular members responsive to the yielding of said tensioned means a predetermined amount to control the movement of said piston.

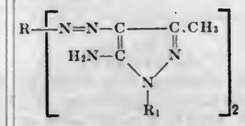
2,241,795

ACID AZO DYESTUFFS

Carl Taube, Leverkusen-I. G.-Werk, and Heinrich Rinke, Leverkusen-Schlebusch, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application May 24, 1939, Serial No. 275,398. In Germany May 30, 1938
4 Claims. (Cl. 260—161)

1. As new products acid yellow azodyestuffs of the general formula



wherein R—[—N=N—]$_2$ stands for the radical of an aromatic tetrazo compound, and R_1 stands for a radical selected from the group consisting of the benzene and naphthalene series which dyestuffs contain at least one sulfonic acid group in the molecule and dye animal fibers yellow shades of good fastness properties.

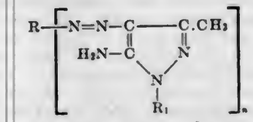
2,241,796

AZO DYESTUFFS

Carl Taube, Leverkusen-I. G.-Werk, Heinrich Rinke, Leverkusen - Schlebusch, and Erich Fischer, Bad Soden, in Taunus, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application May 27, 1939, Serial No. 276,228. In Germany May 30, 1938
6 Claims. (Cl. 260—161)

1. As new products azo dyestuffs of the general formula



wherein R stands for an aromatic radical bearing in ortho-position to the —N=N—bridge a group capable of forming metal complex compounds, R_1 stands for a radical selected from the group consisting of the benzene and naphthalene series and n stands stands for one of the numbers 1 and 2, being convertible into metal complex compounds in substance or on the fiber by a treatment with agents yielding metal.

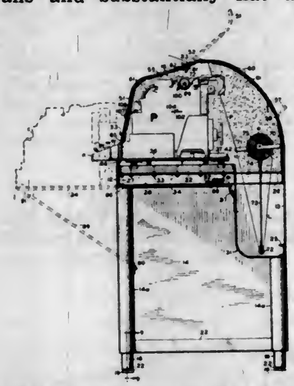
2,241,797

CABINET FOR TELEGRAPH PRINTERS

Victor Weidner, Port Washington, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application June 11, 1938, Serial No. 213,131
13 Claims. (Cl. 178—80)

1. A unit for supporting and enclosing a sending and receiving telegraph printer having mechanism including a keyboard for transmitting outgoing messages and selecting and printing mechanisms for receiving incoming messages, said unit comprising a cabinet having upper and lower portions, said upper portion forming a compartment enclosing said printer, said compartment having an apertured portion through which said keyboard projects to enable operation of the keys by an operator, said lower portion of the cabinet including side wall portions integral therewith, said side wall portions including legs extending to the floor of the room in which the printer is located and supporting the printer compartment and printer keyboard at the proper working height from the floor, and a support secured to said cabinet and movable to a position between said side walls and substantially flat against the



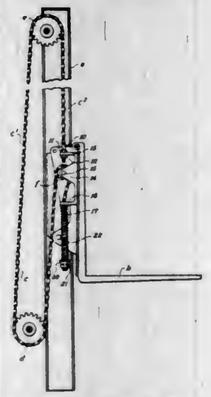
bottom of the upper portion of the cabinet when the support is not in use, said support being movable into position to receive and support the printer at the front of the cabinet when the printer is moved out of the cabinet for inspection, adjustment, repair, or other purpose.

2,241,798

SPRING ATTACHMENT FOR INDUSTRIAL TRUCKS

Samuel Weiss, Portland, Oreg., assignor to Vaughan Motor Company, Inc., Portland, Oreg., a corporation of Oregon

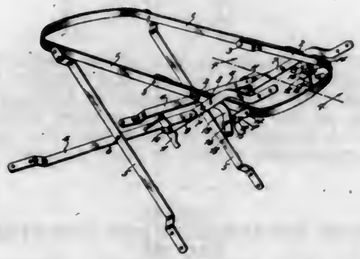
Application October 14, 1940, Serial No. 361,144
1 Claim. (Cl. 254—4)



In an industrial truck of the character described, an upright frame, an elevator movable up and down in said frame, sprocket chain mechanism for moving said elevator, said mechanism including a pair of sprocket chains each having one end attached to said elevator and extending upwardly from said elevator, a pair of pulleys near the top of said frame, said chains passing over said pulleys respectively and extending thence downwardly, a pair of driven sprocket wheels near the bottom of said frame, said chains passing around said driven sprocket wheels respectively, a pair of bearings on said elevator, a rod vertically slidable in each bearing, the other ends of said chains attached to

ends of said rods respectively, a compression spring on each rod between the bearing and the opposite end of the rod, adjustable means on said opposite rod ends for holding said springs on said rods, and a shoulder on each rod between the bearing and said opposite end to limit the sliding of the rod in said bearing, whereby said springs will act at all times to take up the slack in said chains except when said elevator is obstructed in its downward movement and, when this occurs, said shoulders will prevent too much slack being developed in said chains.

2,241,799
BABY CARRIAGE
Matilda D. Welsh, Ladue Village, Mo.
Application June 22, 1940, Serial No. 341,799
3 Claims. (Cl. 280—41)



1. In a frame for baby carriages having a rear body supporting member, a front body supporting member pivotally attached to said rear member, and a forwardly and downwardly extending arm rigid with said rear member, the improvement comprising a link pivoted to said front member having a hook-shaped slot, a pin secured to said arm extending laterally into said slot and positioned to engage in the point of the hook of said slot when said front member is in uppermost position to support said front member, and an abutment on said arm to limit the lowermost position of said front member.

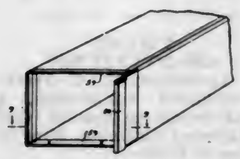
2,241,800
PROCESS FOR PREPARING HYDRATED COPPER CHLORIDES
Fritz Wolff, Berlin-Pankow, Germany, assignor to Sherka Chemical Co. Inc., Bloomfield, N. J., a corporation of New York
No Drawing. Application November 20, 1937, Serial No. 175,638. In Germany November 21, 1936
3 Claims. (Cl. 23—97)

1. A method of producing dry hydrated cupric chloride in dust form for application to the destruction of weeds which consists essentially of calcining di-hydrated cupric chloride to a point where the water content thereof is substantially reduced to form at least a partially calcined product, then grinding said product with a substantial amount of water to form a re-hydrated cupric chloride which is light brown to light green in color, and continuing the grinding to form powder which does not become moist on exposure and the particles of which do not agglomerate.

2,241,801
RETARDER OF VULCANIZATION
Robert V. Yohe, Cuyahoga Falls, and Arthur W. Browne, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 4, 1937, Serial No. 178,109
4 Claims. (Cl. 260—41)

1. The process which comprises vulcanizing neoprene in the presence of an alkali metal silicate.

2,241,802
CONTAINER
Philip Zalkind, New York, N. Y.
Original application September 21, 1933, Serial No. 690,360, which is a division of application Serial No. 631,682, September 3, 1932, now Patent No. 1,946,516, dated February 13, 1934. Divided and this application May 13, 1938, Serial No. 207,687
12 Claims. (Cl. 229—9)

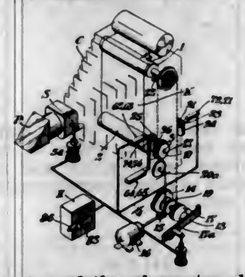


1. A casing for a file cabinet or the like having an open front side and comprising a bottom wall; side walls; a top wall; said walls being made of sheet material having fold lines between said top, bottom and side walls along which lines the same is manually foldable to form said walls; metallic reinforcing members at the front edges of said bottom and top walls; and vertical metallic reinforcing members at the front edges of said side walls to produce greater compressive strength at the open front than that produced by the material in the side walls, said vertical reinforcing members being interposed between and contacting said top and bottom wall reinforcing members for carrying downward stress of a load thereof said casing being collapsible with the reinforcing members mounted thereon; said vertical reinforcing members being mounted on a flexible extension of the side walls; and means for maintaining such vertical reinforcing members in operative position when such casing is erected.

2,241,803
MOTTLED ENAMELWARE
Eugene E. Bryant, Bedford, Ohio, assignor to Ferro Enamel Corporation, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application November 7, 1938, Serial No. 239,336
15 Claims. (Cl. 91—73)

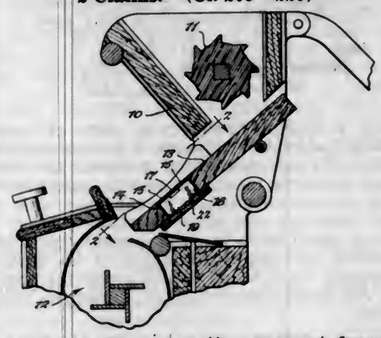
1. The method of producing a mottled appearing enamel surface which comprises coating the surface of a ferrous article to be enamelled with a corrosive solution of an electrolyte having a pH ranging from 5 to 8, maintaining said surface in a substantially moisture-saturated atmosphere until a well-defined mottled surface is produced, rinsing and passivating the mottled surface coating the article with a vitreous enamel slip and then firing the enamel.

2,241,804
WEB FEEDING APPARATUS
John E. Burbank, Poundridge, N. Y., assignor, by mesne assignments, of fifty-one one hundredths to William N. Cheyney, Montclair, N. J., and forty-nine one hundredths to Raymond H. Lutz, Norwalk, Conn.
Application November 29, 1939, Serial No. 306,597
24 Claims. (Cl. 271—2.4)



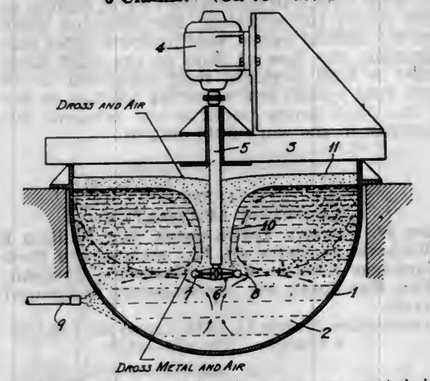
1. Apparatus of the character described comprising web-feeding means, motor actuated driving means therefor, an oscillatable inertia member having resilient means tending to retain it in one position, electrically energized means for effecting rotation of said member away from said position, an operator controlled switch therefor, and switch means for the motor controlled by said inertia member and by said driving means.

2,241,805
MAGNETIC SEPARATING DEVICE
Robert H. Butters, Atlanta, Ga.
Application April 15, 1939, Serial No. 267,990
2 Claims. (Cl. 209—223)



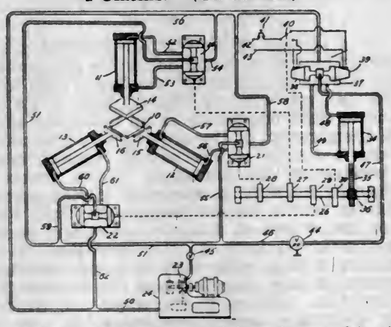
1. A device for separating vagrant fragments and objects of metal from a continuously flowing stream of non-magnetic material of granular or fibrous components comprising a board of non-magnetic material which is set at a predetermined inclination and provides a path along which said stream of material flows by gravity, said board having a shallow recess in its upper face, having openings at determined intervals which extend from said recess to its lower face and having a recess transverse to said shallow recess in the upper face of one or more of the webs of material between said openings, permanent magnets fitted in said openings with their pole faces substantially flush with the bottom of said shallow recess, a pair of spaced magnetized bars of opposite polarity which are fitted in said shallow recess with their upper faces flush with the surface of said board whereby the non-magnetic material flowing along said board will pass first over one path and then over the other, a keeper fitted in said transverse recess below said magnetized bars and held by attraction against the under faces of said bars, and an insulating strip fitted within and closing the space between said bars.

2,241,806
PROCESS FOR TREATING LEAD
Harvey M. Burkey, Plainfield, N. J., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York
Application August 2, 1940, Serial No. 349,530
6 Claims. (Cl. 75—78)



1. A process for detinning a mass containing metallic lead and tin which comprises adding a layer of previously prepared lead oxide to the mass in powdered unfused condition, heating the mass to liquefy the metal if necessary, and stirring it at a speed of at least 900 R. P. M. and at a temperature above approximately 950° F. to produce a reaction between said lead oxide and metallic tin, while admitting air to the bath so that enough lead oxide is formed by the air to replace lead oxide used up in said reaction and also to oxidize directly further quantities of tin, thereby removing tin from the bath as tin oxide.

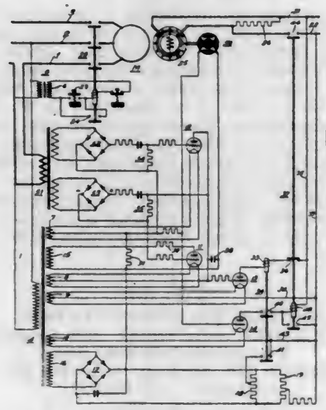
2,241,807
HYDRAULIC PRESS SYSTEM
John C. Cotner, Logansport, Ind., assignor to Logansport Machine, Inc.
Application May 23, 1940, Serial No. 336,749
4 Claims. (Cl. 60—52)



1. A fluid system comprising, in combination, a fluid pump, a work fluid system having a plurality of fluid work devices arranged to be successively connected to the pump and operated in sequence, work hydraulic circuits connecting the work devices to the pump, a control valve in

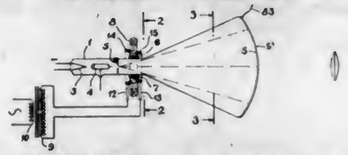
the respective work hydraulic circuits, sequence means for successively operating the control valves to govern the sequential operation of the work devices, said work devices each comprising a cylinder and a piston and effecting as each is successively connected to the pump a low pressure fluid condition in the work fluid system until the piston encounters work resistance which produces a high pressure fluid condition in the work fluid system, a fluid pilot device for successively actuating the sequence means, a pilot hydraulic circuit connecting the fluid pilot to the work fluid system, a pressure relief valve in the pilot hydraulic circuit to govern the flow of fluid to the pilot device for actuating the sequence means and the control valves, said pressure relief valve admitting the flow of fluid to the pilot device under a high pressure fluid condition in the work fluid system and arresting the flow of fluid to the pilot device under a low pressure fluid condition in the work fluid system.

2,241,808
CONTROL APPARATUS
John W. Dawson, Turtle Creek, and William R. Wickerham, Swissvale, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 31, 1938, Serial No. 199,178
8 Claims. (Cl. 172—289)



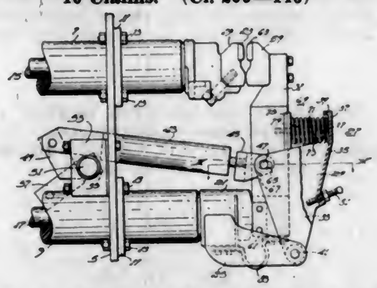
1. In a system of control for starting a synchronous motor, in combination, a synchronous motor having an armature winding, a field winding, a damper winding constituting a starting means to start the motor as an induction motor upon energization of the armature by alternating current, a source of alternating current, means for connecting the armature to the source of alternating current, a source of direct current, switching means for connecting the field winding to the source of direct current, and control means, adapted to cause the operation of said switching means, said control means including electronic means responsive to the frequency of the envelope current in the armature winding, other electronic means responsive to the frequency of the current in the armature winding, and still other electronic means responsive to the combined effect of the first two electronic means adapted to control the operation of said switching means for connecting the field winding to the source of direct current.

2,241,809
TELEVISION RADIAL SCANNING SYSTEM EMPLOYING CATHODE BEAM
Lee de Forest, Hollywood, Calif., assignor to Ruth C. Gilman, Waterbury, Conn.
Application July 13, 1937, Serial No. 153,333
12 Claims. (Cl. 250—27)



1. A cathode beam tube, means causing the beam to swing back and forth in one plane through a common center point, and means for causing said plane to rotate continuously through 360° about its mid-axis.

2,241,810
CIRCUIT BREAKER
Robert C. Dickinson, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 31, 1938, Serial No. 210,971
10 Claims. (Cl. 200—146)

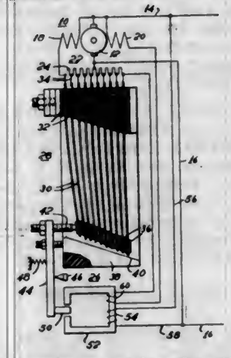


1. In a circuit breaker, a pair of rigidly mounted stationary contacts, a movable contact member of rigid conducting material for bridging said contacts, means for moving said member to first cause said member to separate from one of said contacts and then to separate from the other of said contacts, and means electrically connecting said contact member to the stationary contact from which it first separates providing a low resistance electrical connection therebetween.

2,241,811
REGULATING SYSTEM
Donald W. Exner, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 31, 1940, Serial No. 338,089
4 Claims. (Cl. 171—223)

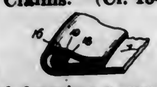
1. In a voltage regulating system, in combination, a generator, the voltage of which is to be regulated, the generator being provided with a plurality of shunt field windings, a rheostat for controlling the voltage impressed on the shunt windings, means for actuating the rheostat, the rheostat actuating means comprising a compounding winding connected in series circuit relation with a field winding and a second winding connected across the generator and disposed to oppose the magnetic field induced by the compounding winding, the compounding winding and

the opposed winding thereby cooperating to control the operation of the rheostat operating



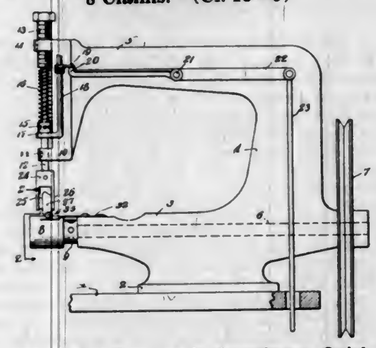
means in accordance with a function of the generator voltage.

2,241,812
MANUFACTURE OF RUBBER GOODS
William F. Gowdy, Milford, Mass., assignor to Archer Rubber Company, Milford, Mass., a corporation of Massachusetts
Application June 7, 1939, Serial No. 277,837
9 Claims. (Cl. 18—59)



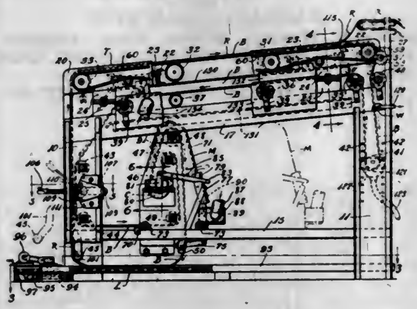
6. Method of forming a marginal finish bead for sheet rubber which comprises as steps curling the margin of the sheeted rubber before curing so as to direct the raw edge outwardly and dispose it within a bight of the body material comprising integrally joined upper and under plies, subjecting the bight-forming plies along the inner edge only of the bead to pressure, thereby integrally to join said plies along the inner edge only of the bead while leaving the plies free from each other intermediate the outer and inner edges of the bead, and thereafter curing the rubber.

2,241,813
APPARATUS FOR MAKING EDGE BEADS ON SHEET RUBBER
William F. Gowdy, Milford, Mass., assignor to Archer Rubber Company, Milford, Mass., a corporation of Massachusetts
Application June 7, 1939, Serial No. 277,838
8 Claims. (Cl. 18—9)



1. Apparatus for use in forming a finish bead at the edge of uncured sheet rubber, said apparatus comprising a work support, a pressure-applying roll bodily movable toward and from the work support, and work-presenting means operative progressively to fold in the raw edge of the sheet material and form at least three plies thereof and to present the margin of the material, with its edge inturned, between the support and roll thereby to be compressed and flattened.

2,241,814
MANUFACTURE OF SHEET RUBBER
Merrill E. Hansen, Akron, Ohio, assignor to American Anode Inc., Akron, Ohio, a corporation of Delaware
Application December 21, 1938, Serial No. 247,044
16 Claims. (Cl. 18—15)



3. Apparatus for making rubber sheet from latex or analogous material, said apparatus comprising, in combination, a framework, belt-guiding means including an adjustably-positioned terminal roll mounted on the framework, a carriage mounted for movement relative to the framework, a terminal roll mounted on the carriage, a floatable deposition belt directed about said rolls on both the framework and the carriage in a path including a free loop, driving mechanism for causing the belt to travel continuously along said path, a tank adapted to contain latex adjacent said free loop, and means for stripping a sheet of rubber from the belt.

12. In an apparatus for applying latex or other material to deposition bases, a tank adapted to contain latex, means for causing a travelling deposition base to traverse a path including a free loop in floating contact with latex contained by the tank, means preceding the said free loop for applying coagulant to the belt, and means for shifting the position of the coagulant-applying means together with the adjacent belt reach preceding the zone of floating contact and thereby to vary the length of belt in contact with the latex.

2,241,815
METHOD OF TREATING COPPER ALLOY CASTINGS
Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co. Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application August 12, 1938, Serial No. 224,497
2 Claims. (Cl. 148—21.2)

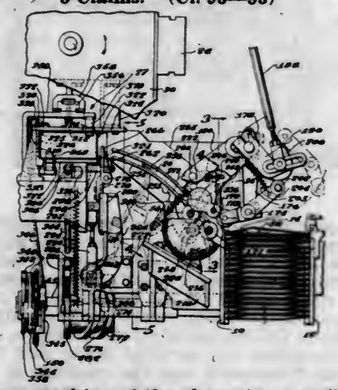
1. The method of improving the properties of copper which comprises alloying with copper 0.5 to 5% of an element selected from the group consisting of nickel and cobalt and 0.1 to 2% silicon, casting the resulting alloy and then annealing the alloy in the "as cast" condition at

a temperature between 400° C. and 600° C. for a period of from several minutes to several hours to improve the hardness and tensile strength.

2,241,816
SILVER ELECTRIC CONTACT
Franz R. Hensel and Kenneth L. Emmert, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application January 16, 1940, Serial No. 314,051
2 Claims. (Cl. 200—166)

1. An electric contact member, composed of 0.1 to 0.3% nickel and the balance substantially all silver.

2,241,817
PACKAGING MACHINE
Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application May 13, 1939, Serial No. 273,497
8 Claims. (Cl. 93—53)



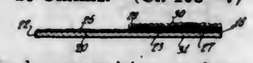
1. In a machine of the character described, in combination, carton opening and feeding means including a pocket for squaring up successive cartons, an elongated guideway through which the cartons are delivered into the pocket, a pusher member for engaging the rear corner of the carton to move it into the pocket, an inclined gate disposed in the path of the advancing corner of the carton to guide the same into the corresponding corner of the pocket, and means for moving said gate in timed relation to the movement of said pusher member into and from operative guiding position.

2,241,818
CINDER POT
William Johnston, Jr., Wilkinsburg, Pa.
Application December 4, 1940, Serial No. 368,417
2 Claims. (Cl. 266—39)



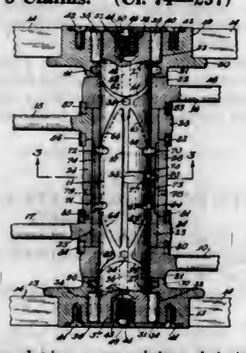
1. A vessel for receiving and holding molten slag from the making of iron and steel formed as a hollow ferrous structure with open top and closed bottom, and a liner of oxidizable copper-containing metal in the bottom region of the said vessel presenting to the cavity thereof a coating of copper oxide formed from the substance of the said liner.

2,241,819
COMPOSITION ROOFING MATERIAL
Lester Kirschbraun, New York, N. Y., and Richard H. Cubberley, Rutherford, N. J., assignors to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
Application November 9, 1939, Serial No. 303,524
16 Claims. (Cl. 108—7)



1. A shingle comprising a base of flexible fibrous felt saturated with asphalt or the like, said base carrying a layer of asphaltic coating on the upper face thereof, a unitary sheet of foil-like membraneous material applied to said coating along that portion of the shingle which is to be exposed to the weather, a second layer of asphaltic coating overlying said membraneous sheet, and a layer of mineral granules partially embedded in said second coating layer, said membraneous sheet being impermeable to moisture vapor emitted from the felt base during exposure of the shingle to the weather.

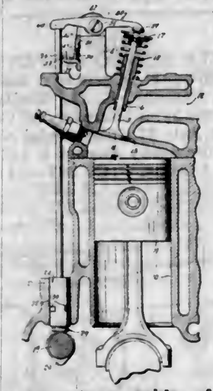
2,241,820
ROLLER CHAIN
Claus Hinrich Köhn, Rapperswil, St. Gallen, Switzerland, assignor to Karl Seller, Zurich, Switzerland
Application July 19, 1940, Serial No. 346,248
In France April 22, 1940
5 Claims. (Cl. 74—257)



1. A roller chain, comprising joints in which a first and second pair of links are attached to a common bolt provided with protruding ends on which supporting rollers are journalled, the links of said first pair being spacedly journalled on said bolt, a sleeve journalled on said bolt between the links of said first pair for keeping them in distance, the links of said second pair being journalled on said sleeve, bores extending from the front sides of said bolt to its inside, channels communicating with the spaced ends of said bores and extending to the surface of said bolt, a system of communicating lubrication grooves arranged on said bolt, certain of said grooves communicating with said channels, a number, one as a minimum, of grooves of said system substantially arranged as ring grooves in a radial plane of said bolt and connecting said certain grooves, a displacing

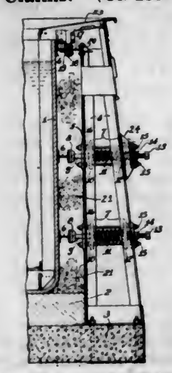
member slidably arranged in and fitting each of said ring grooves and fixedly connected with said sleeve.

2,241,821
AUTOMATICALLY ADJUSTABLE VALVE TAPPET
Arnold Edward Ludwig, Asbury Park, N. J.
Application May 29, 1940, Serial No. 337,745
7 Claims. (Cl. 123—90)



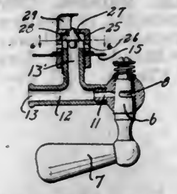
1. A valve tappet assembly of the character described comprising push rod mechanism, a rocker arm having one end in operative engagement with said push rod mechanism and its other end adapted to operatively engage a valve stem, a pedestal formed with a bearing opening, a bearing member rotatable in said opening, a pivot pin eccentrically carried by said bearing member, said rocker arm being mounted on said pivot pin, an arm carried by said bearing member, a bracket carried by said pedestal, a ball element interposed between said arm and said pedestal, and an expansion spring engaging said bracket at one end and said ball at the other, said spring and ball exerting a tendency to spread said arm apart from said pedestal to rotate said bearing member.

2,241,822
WALL SUPPORTING STRUCTURE
Kirtland Marsh, Pittsburgh, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 8, 1938, Serial No. 223,596
11 Claims. (Cl. 189—34)



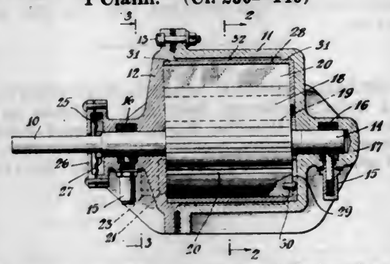
1. A tank supporting structure comprising a plurality of buttresses disposed adjacent walls of a tank, a plurality of spring supporting assemblies mounted on said buttresses, each of said assemblies including an adjustable spring, means for confining the action of said spring relative to the tank and means for loading said spring, and means for transmitting spring supporting forces to beams attached to said walls, said beams adapted to distribute said supporting forces over said walls.

2,241,823
WASHING AND IRRIGATING DEVICE
Willie Mae McFarland and Artie F. McFarland, Houston, Tex.
Application December 26, 1939, Serial No. 310,880
2 Claims. (Cl. 128—229)



2. In a device of the character described having a surge chamber, means for controlling flow of liquid to and from said surge chamber, said means comprising a member having a lateral opening of relatively small size and a vertically directed opening of relatively large size into said reservoir, and means operable by the pressure of liquid flowing into said reservoir for closing said relatively large vertically directed opening during the inflow of liquid and movable to open position by the outflow of liquid from said reservoir to permit free flow of such liquid.

2,241,824
PUMP
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application April 2, 1938, Serial No. 199,573
1 Claim. (Cl. 230—140)



A pump including a casing defining in cross section an annular rotor receiving space, fluid inlet and outlet openings communicating therewith at one end thereof, a shaft extending through said casing and eccentrically disposed with reference to said space, a rotor carried by said shaft, vanes supported by and extending beyond said rotor, a cup-shaped member having a diameter substantially equal to that of said space and disposed therein, the width of said member being substantially equal to the width of said space, the base of said member being interposed between said rotor and casing at the end thereof opposite the end having said fluid intake and outlet openings and presenting a central

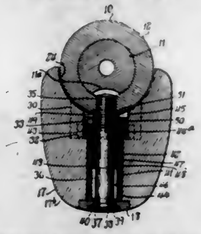
opening of an area such that said shaft may extend therethrough, said opening having sealing contact with the end face of said rotor, means for positively coupling said cup-shaped member to rotate with said rotor and ledge portions forming a part of said casing adjacent the ends of the same, such portions defining between them a channel, said cup-shaped member being spaced from the base of the said channel and being supported solely upon the faces of said ledge portions and said channel presenting a reservoir for lubricant to lubricate said cup-shape member as it revolves on said ledge portions.

2,241,825

FIREARM CONSTRUCTION

Lovell H. Page, Hamden, Conn., assignor, by mesne assignments, to Western Cartridge Company, a corporation of Delaware

Application May 14, 1938, Serial No. 207,901
5 Claims. (Cl. 42—75)



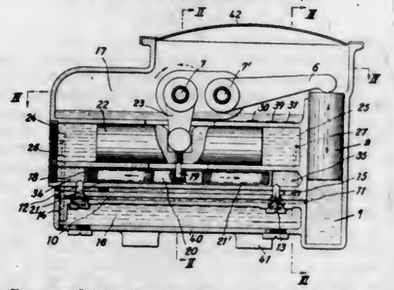
1. In a firearm structure, the combination with the barrel-unit and stock-unit thereof: of adjustable attaching-means for securing the two said units together in such manner as to minimize the deflecting action of the said stock-unit upon the said barrel-unit; the said adjustable attaching-means including an axially-adjustable tubular thrust-member threaded to one of the said units for axial movement with respect thereto and constructed and arranged to hold the two said units apart in various positions of relative adjustment; and an axially-adjustable draft-member extending between the two said units through the said tubular axially-adjustable thrust-member and drawing the two said units together.

2,241,826

AUXILIARY SPRING MEANS FOR VEHICLES

Karl Rabe, Stuttgart, Germany, assignor to Dr. ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany

Application June 22, 1938, Serial No. 215,118
In Germany July 21, 1937
25 Claims. (Cl. 267—57)



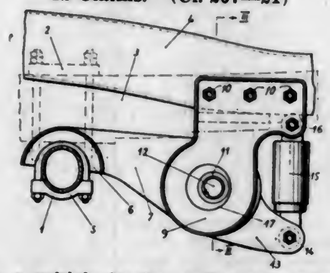
1. In a vehicle including a road wheel and attached unsprung parts, spring means connected therewith and sprung parts supported by said spring means, the combination therewith of an auxiliary device comprising an auxiliary spring assisting said spring means connected between said sprung and unsprung means, an abutment device for said auxiliary spring means, and means controlled by the unsprung parts for automatically readjusting said abutment means to a position whereby said spring means is effective in either direction irrespective of the loading of the vehicle.

2,241,827

VEHICLE SPRING SUSPENSION

Karl Rabe, Stuttgart, Germany, assignor to Dr. ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany

Application July 27, 1938, Serial No. 221,501
In Germany August 3, 1937
12 Claims. (Cl. 267—21)



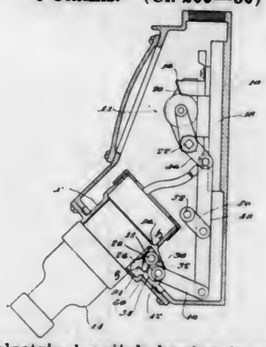
1. In a vehicle having a frame, a wheel supporting axle, and a main spring intermediate said axle and said frame, in combination with a pair of rubber discs, means for attaching the outer faces of said discs to said frame, a lever arm mounted at one end for movement with said axle and at its other end connected to the inner faces of said discs, said lever arm being formed with an extension beyond its connection with said discs, and a shock absorber having a pair of relatively movable elements, one of which is attached to said lever arm and the other to said frame.

2,241,828

ELECTRICAL SWITCH

Charles H. Reynolds, Malden, Mass., assignor to Albert & J. M. Anderson Manufacturing Company, South Boston, Mass., a corporation of Massachusetts

Application June 17, 1938, Serial No. 214,261
6 Claims. (Cl. 200—50)



1. An electrical switch having in combination, a switch mechanism including a switch member movable to open and close said switch; a casing enclosing said switch mechanism; a receptacle connected to said casing; a terminal plug adapted to be removably inserted in said receptacle, said terminal plug having a polarizing key; a spring-pressed latch pivotally mounted in said casing, said latch having a detent portion normally lying in the path of said polarizing key adapted to be depressed when said plug is inserted in said receptacle and to automatically return to its initial position and fall in behind said polarizing key when said plug is fully inserted in said receptacle; and a cam member for locking said latch in place after said plug has been inserted in said receptacle, said cam member being connected with said switch member and being movable into locking position upon movement of said switch member to closed position.

2,241,829

PROCESS FOR THE MANUFACTURE OF ARYL MERCURY COMPOUNDS

Georges Joseph Six, Leytonstone, London, and Joseph Roy Booer, Addiscombe, England, assignors, by mesne assignments, to F. W. Berk & Company, Inc., New York, N. Y., a corporation of Maryland

No Drawing. Application January 19, 1939, Serial No. 251,704. In Great Britain March 7, 1938
8 Claims. (Cl. 260—433)

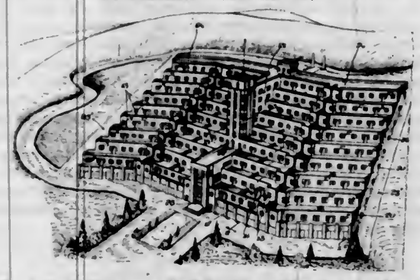
1. Process for the manufacture of seed disinfectants which comprises treating a compound of the type $R(HgX)_n$ in which R is an aryl radical, X is an acid radical which forms a soluble magnesium salt and n is a small whole number, in the presence of water with magnesium oxide, whereby a reaction takes place with the formation of the corresponding mercury hydroxide.

2,241,830

BUILDING CONSTRUCTION

John E. Tourtellotte, Portland, Oreg.; Della W. Tourtellotte, executrix of said John E. Tourtellotte, deceased, assignor to herself

Application July 3, 1934, Serial No. 733,589
12 Claims. (Cl. 20—1)



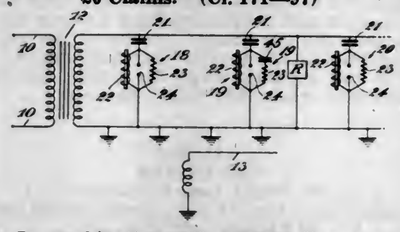
8. A building erected to have the base of each side wall conform to the natural slope of the hillside supporting it, thereby avoiding changing the natural formation of the hill slope and comprising a plurality of setback rows with a main bearing wall of each row directly under and supporting the next higher row between the front and rear thereof and none the height of the building, each row comprising a continuous row of apartments all on the same level between the outermost ends of the building, said building stepped depthwise and, therefore, extending transversely of the slope of the hillside with all the rooms thereof facing opposite to the hillside whereby each successive row receives its daylight from over the front projecting roof of a lower row, said building having its main entrance from the level ground at the base of the hill.

2,241,831

POWER SYSTEM AND SHUNT FOR REDUCING HARMONICS THEREIN

Hugo W. Wahlquist, Mount Vernon, N. Y.

Application March 20, 1940, Serial No. 324,940
20 Claims. (Cl. 171—97)



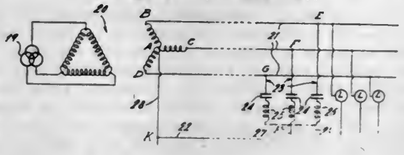
4. In combination with a power line, a supply system therefor having inductance, and a shunt connected across the line to reduce the currents therein of higher frequency than the fundamental, such shunt including a capacitor and in series therewith an inductive element, the reactive component of which increases markedly less rapidly than the frequency of the currents flowing therethrough in the usual voice frequency range, the capacitive reactance of the shunt being equal to the combined inductances of the supply system and shunt at a frequency well below 500 cycles.

2,241,832

METHOD AND APPARATUS FOR REDUCING HARMONICS IN POWER SYSTEMS

Hugo W. Wahlquist, Ardsley, N. Y.

Application May 7, 1940, Serial No. 333,713
10 Claims. (Cl. 171—97)



1. In combination with a three-phase power line having small distributed capacitance and, with the loads thereon, having a lagging power factor, a three-phase shunt system comprising three sets of capacitors and reactors in series to correct power factor without causing resonance, one end of each set being connected to a phase wire, a conductor connecting the other ends of such sets to the other two ends, and a reactor connecting such conductor to the neutral of the power line, the impedance of the first three reactors at the fundamental frequency being around five per cent of the impedance of the capacitors at the same frequency, while the impedance of the fourth reactor is around two per cent of the impedance of the capacitors at the fundamental frequency.

2,241,833

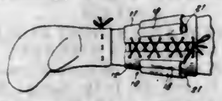
EXERCISING DEVICE

Langley A. Waller, New York, N. Y.

Application March 6, 1940, Serial No. 322,462
1 Claim. (Cl. 272—57)

In combination, a device comprising a member

adapted to be secured around the limb of a person, said member having a plurality of pockets formed therein, the outer walls of said pockets being formed of flexible material possessing a degree of elasticity, and a plurality of weights



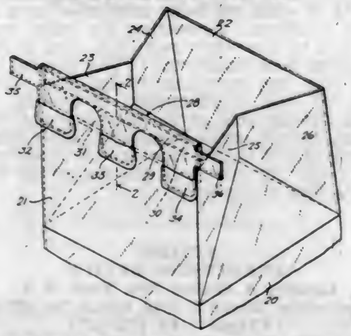
adapted to be inserted selectively into said pockets, each of said weights having a set-back shoulder near the top thereof, the lip of the pocket around the mouth thereof resiliently contracting about said shoulder when the weight has been inserted to retain said weight therein.

2,241,834
CONTAINER
Oscar W. Wentz, Long Island City, N. Y.
Application April 19, 1934, Serial No. 721,272
14 Claims. (Cl. 229—17)



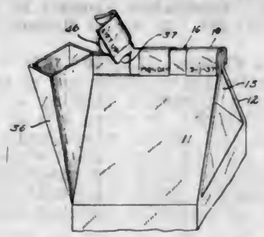
1. A container comprising side walls formed of a paper stock pinched together at their upper ends to form a closure, and a clip for securing the pinched ends of said walls together, said clip having a portion normally concealing a discharge opening, said portion being bendable to expose said opening and to provide means for directing a fluid as it is poured through said opening.

2,241,835
CONTAINER CLOSURE
Oscar W. Wentz, Long Island City, N. Y.
Application March 1, 1937, Serial No. 128,350
16 Claims. (Cl. 229—65)



1. In container construction, the combination with a container made of paper, or the like, and having an otherwise open end portion capable of being folded to bring the edges thereof together in several thicknesses and to aline them substantially along a straight line to close off said container, said end portion having flap-like means projecting upwardly from said alined edges, said flap-like means having a plurality of bendable tongue-like members secured thereto, including two end tongue members that project laterally beyond said alined edges and tongue means intermediate thereof projecting upwardly beyond said flap-like means, said flap-like means being foldable over the line of said alined edges and throughout substantially 180° whereby said end tongue members may be bent laterally around the said several thicknesses to hold them against opening and said intermediate tongue means bent over the line of said alined edges to clamp them together.

2,241,836
CONTAINER CLOSURE
Oscar W. Wentz, Long Island City, N. Y.
Application March 1, 1937, Serial No. 128,351
9 Claims. (Cl. 229—17)

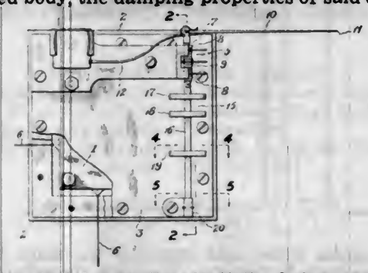


1. The combination with a container made of paper, or the like, having an otherwise open end closable by folding the end portions of the container wall together, one portion of said closure being capable of being unfolded to form a pouring spout, and closure-retaining means therefor comprising a unitary clamping structure made up of a plurality of individual U-shaped bendable clamping means, at least one of which is operative upon the spout-forming portions of said closure, and a readily frangible and flexible covering means for covering over all of, and for connecting together and holding, said individual clamping means to form said unitary clamping structure, whereby the latter is as a unit clamped over the folded end of the container and such of the individual clamping means operative upon said spout-forming portion may be operated to release the latter for unfolding to form said pouring spout while leaving the remaining clamping means operative.

2,241,837
DAMPING MEANS
Alfred L. W. Williams, Cleveland Heights, and Joseph J. Neff, Cleveland, Ohio, assignors to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application November 14, 1938, Serial No. 240,260
10 Claims. (Cl. 188—1)

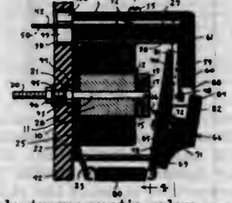
1. A frequency-selective damping device adapted to damp the vibrations of a system which includes a member oscillating substantially about an axis, which device comprises an elongated body of elastic damping material disposed substantially in axial alignment with said oscillating member and adapted to have one of its ends

torsionally vibrated thereby, and a plurality of masses disposed along the length of said elongated body and secured thereto to vibrate therewith, the inertias of said masses, their spacing from each other and from said end of said elongated body, the damping properties of said damp-



ing material and its elasticity being mutually adapted to produce the desired frequency-selective characteristics whereby vibrations at some frequencies may be damped while vibrations at lower frequencies remain substantially undamped.

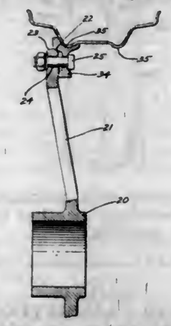
2,241,838
RELAY
John M. Wilson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 31, 1939, Serial No. 265,187
12 Claims. (Cl. 200—104)



1. In an electromagnetic relay, a core structure having a plurality of legs, a coil surrounding one leg of said core structure, an insulating plate covering another leg of said core structure, a second insulating plate overlying said first plate, said plates collectively providing spaced channels therebetween, L-shaped contact arms each having one leg thereof substantially completely enclosed in one of said channels and the other leg overlying said coil, and an armature structure pivotally secured to said core structure and overlying said coil carrying leg, said armature structure comprising a magnetic armature member, an insulating member secured thereto, and contact means carried by said insulating member and engaging said contact arms.

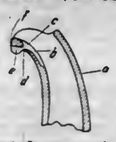
2,241,839
RIM MOUNTING
Alva W. Woodward, Kent, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application November 7, 1936, Serial No. 109,723
13 Claims. (Cl. 301—12)

9. The combination with a wheel having an outer periphery provided with axially and oppositely sloping seats of a rim for said wheel, a lug having a seat thereon adapted to cooperate selectively with either of said seats on said wheel, means on said lug releasably cooperating with means on said rim to hold said rim on said wheel when said lug is clamped in place, said lug sustaining and holding said rim in place, and means for selectively clamping said lug in position with its seat cooperating with either one of the seats on said wheel, said cooperating means on said lug and rim being so located axially of the wheel as to position the rim asymmetrically of the



median plane between said seats on said wheel, whereby when the lug is mounted on either of the seats on the wheel while maintaining in each case the same cooperative relation with said rim, the rim will lie in a different axial position with respect to said wheel than when said lug is mounted on the other of said seats.

2,241,840
DRIPLESS SPOUT
Christoph Achtziger, Weiden, Bavaria, Germany, assignor to the firm Porzellanfabrik Weiden Gebr. Bauscher Zweigniederlassung der Lorenz Hutschenreuther Aktien-Gesellschaft Selb
Application August 23, 1938, Serial No. 226,378
In Germany August 28, 1937
6 Claims. (Cl. 65—31)



2. Non drip spout for pouring vessels especially of ceramic ware comprising a spout lip and a pouring edge in which the under face of the spout lip has a groove therein extending approximately horizontally from the front face of the lip close below the pouring edge of the lip, said groove communicating through a full circumference aperture with the inner wall of the spout and said groove and aperture being of cross-sectional dimension for maintaining effective surface tension in the liquid of the drip drop.

2,241,841
SLIDE FASTENER
George M. Beckwith, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Application October 20, 1938, Serial No. 236,053
6 Claims. (Cl. 2—96)

6. In a garment having overlapping body portions, a slide fastener stringer attached to each of said body portions, and capable of being engaged for closing the body portions together in overlapping relation, and means on said slide fastener stringer for connecting the end of one stringer to the other stringer comprising a coupling member on the end of one stringer, and a cooperating coupling member having means

to hold said first coupling member, said second coupling member being adjustably mounted on

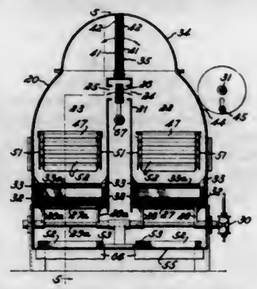


its stringer whereby said overlapping body portions may be connected together in various overlapping relative positions.

2,241,842

APPARATUS FOR CLASSIFYING AND SEPARATING PARTICLES OF MATERIALS OF DIFFERENT SPECIFIC GRAVITIES

Jean Albert Brusset, Blairmore, Alberta, Canada
Application August 24, 1940, Serial No. 354,094
In Canada January 21, 1937
19 Claims. (Cl. 209—468)



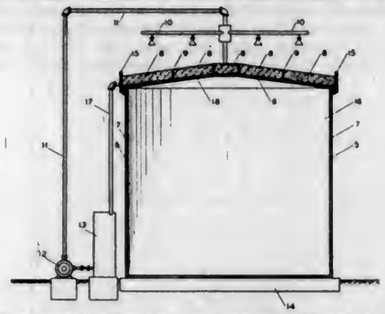
1. Apparatus for the stratification of mixtures of materials of different specific gravities comprising a housing providing a substantially air tight stratifying compartment, an oscillating pervious member for sustaining a bed of mixed materials in said compartment intermediate the top and bottom thereof, means for establishing alternately sub-atmospheric and super-atmospheric pressures in said compartment above said pervious member and means for establishing communication between the spaces above and beneath said pervious member during a portion of the times when super-atmospheric pressure is established above the same.

2,241,843

MEANS FOR STORING VOLATILE FLUIDS

Edward Buddrus and Gerald W. McCullough, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application April 29, 1938, Serial No. 205,092
2 Claims. (Cl. 62—90)

1. In a tank for storing volatile hydrocarbons having a roof of weather-proof construction and side walls joined thereto, a permeable insulating material comprising rock wool upon the tank roof and substantially coextensive therewith, a spray system for spraying water on the insulating material to cool the top of the tank, means on the top of the tank to confine excess water which percolates through the insulating material on the top of the tank, and means to collect

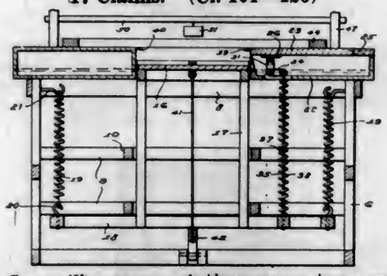


said excess water and transmit the same back to the spray system for repassage therethrough.

2,241,844

SILK SCREEN PRINTING TABLE

Raymond E. Burton, Pittsburgh, Pa.
Application May 23, 1940, Serial No. 336,829
17 Claims. (Cl. 101—126)



3. In a silk screen printing apparatus a vertically movable table adapted for supporting a stack of paper thereon, guide means movable relative to the respective sides of the stack of paper, a silk screen positioned above the stack of paper, means normally urging the paper upwardly against the screen, means cooperating with the table for clamping the paper thereon and common actuating means for the table and for said paper clamping means and adapted for moving the table downwardly and for subsequently moving the paper clamping means out of paper clamping position.

2,241,845

BRUSH

Willis A. Chapman, Shaker Heights, Ohio, assignor of one-half to Wm. A. Spear, Cleveland, Ohio
Application April 6, 1938, Serial No. 200,461
2 Claims. (Cl. 300—21)

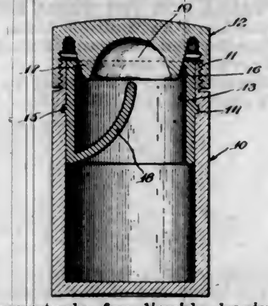


1. The method of forming brushes which comprises flanging one end of a piece of tubular material, then roughening the exterior of the tubular portion of said piece and the inward side of said flange, then assembling filaments through a retaining ring having roughened sides, placing the ring and filaments about said tubular portion, and then flanging the other end of the tubular piece to clamp said filaments and ring between the roughened sides of said flanges.

2,241,846

RECEPTACLE FOR LIQUIDS

William R. Cuthbert, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application September 9, 1938, Serial No. 229,080
3 Claims. (Cl. 215—40)

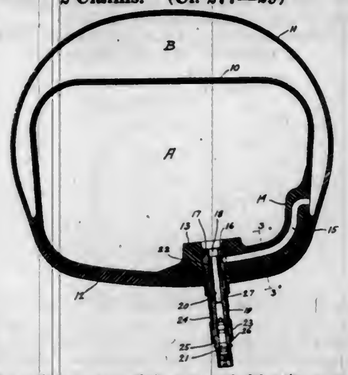


1. A receptacle for liquids having an open upper end with connecting means on the outer periphery thereof, a cap for enclosing said open upper end and for engaging said connecting means, and sealing means between said receptacle and said cap comprising a band of substantial depth fitting within the open upper end of said receptacle and having an inwardly extending peripheral lip and an interiorly formed well to be filled by tilting the receptacle, said cap having a substantially rigid extension with the side walls thereof effecting a sealing engagement with the inner bore of said lip whereby the latter functions as a sealing means and a drip edge.

2,241,847

VALVE FOR MULTICHAMBERED TUBES

Boyd C. Eberhard, Akron, Ohio, and Selden T. Williams, Bellerose, N. Y., assignors to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application March 23, 1940, Serial No. 325,648
2 Claims. (Cl. 277—29)

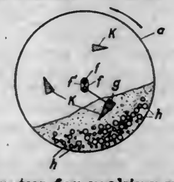


1. A valve comprising a rigid stem portion having a longitudinal bore extending therethrough, said bore being provided at its inner end with a tapered seat, a lateral port communicating with the outside of said stem and with said bore within the area of said seat, an extension having a longitudinal passage therethrough slidably mounted within said bore and carrying a tapered plug at the inner end thereof adapted to close said port when seated on said tapered seat, a valve insert in the outer end of said hollow extension to prevent back flow, means for moving said extension axially into and out of engagement with said seat to close and open said port as desired, whereby air supplied to said bore may escape simultaneously through the open inner end of said bore and said port when said plug is off said seat and said inner open end and said port will be cut off from communication with each other when said plug is in engagement with said seat.

2,241,848

APPARATUS FOR PREPARING VERY FINE LUSTROUS METAL PARTICLES

Jacob Eckart, Furth, Germany, assignor to the firm Standard Bronzefarben - Werke Carl Eckart, Furth, Bavaria, Germany
Application January 20, 1938, Serial No. 185,963
In Germany October 14, 1935
2 Claims. (Cl. 83—9)



1. An apparatus for making very fine, lustrous metal particles, comprising a rotatable drum, at least two anvil elements fixed in circumferential spaced relation relative to each other within the drum to rotate therewith around the center axis of the drum and each element being spaced a substantial distance from the peripheral wall of the drum and the axis of rotation of the drum, each anvil element having a flat impact surface in a plane approximately parallel to the axis of rotation of the anvil elements and a side surface of each element facing the axis of rotation being directed rearwardly from its impact surface to clear the path of movement of the hammer, and a hammer suspended to swing in the drum from a fixed point which is spaced below the longitudinal center axis of the rotating drum and is adapted to successively strike the impact surface of each anvil element, the suspension distance of the hammer being less than the radial distance of each anvil element and said hammer after striking one of the anvil elements being carried along by said last-mentioned element in the direction of rotation of the drum but due to the off-center suspension of the hammer it is gradually pulled off from the last-mentioned element until it clears the edge of its impact surface whereupon the hammer follows an unrestricted movement in the direction counter to the direction of rotation of the drum and falls and strikes the impact surface of the following or other anvil element.

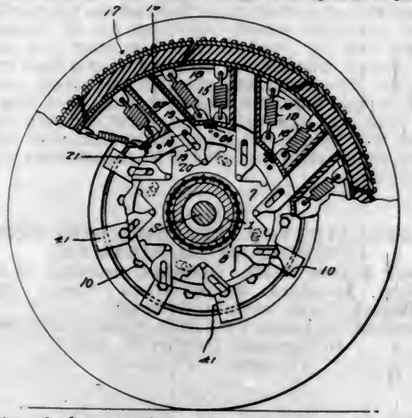
2,241,849

NONSKID MECHANISM FOR DUAL WHEELS

Arthur J. Fuchs, St. Louis, Mo., assignor of one-third to Arthur S. Kee and one-third to Lester Probst, both of St. Louis, Mo.
Application February 7, 1940, Serial No. 317,749
5 Claims. (Cl. 301—47)

1. A dual wheel comprising a hub, a wheel

forming flange connected with the hub and having a rim at its outer circumference, a star wheel rotatably arranged on the hub, a wheel forming ring member on the hub and between which and the flange the star wheel is arranged, means for holding the ring member in place, a pair of ring members surrounding the first-mentioned rim and the ring member and spaced apart, a plu-



rality of shoe sections, an arm connected with each section and extending inwardly between the pair of ring members and said arms having their inner ends reduced and rounded to engage the prongs of the star wheel, spring means for normally holding the arms and the shoes in retracted position and means for partly rotating the star wheel to project the arms and the shoes.

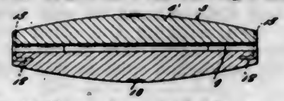
2,241,850
PRESSURE BAR FOR FOUNTAIN PENS
William J. Gillett and Victor C. Sharp, Fort Madison, Iowa, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application November 27, 1939, Serial No. 306,264
9 Claims. (Cl. 120—46)



1. In combination with a fountain pen having a hollow casing with an operating lever mounted in a longitudinal slot therein and a compressible ink reservoir inserted within said casing, of means for compressing said reservoir including connected relatively resilient and rigid arm members, said rigid arm member having a guide thereon, said lever engaging said guide during movement thereof to depress said rigid arm, said resilient arm causing a return to a normal inoperative position of said compressing means upon the release of said lever.

2,241,851
FISHING TACKLE
Julian T. Gilstrap, Corpus Christi, Tex., assignor of one-fourth to C. W. Critchfield, Corpus Christi, Tex.
Application July 30, 1940, Serial No. 348,523
4 Claims. (Cl. 43—49)

1. In a fishing float of the character described, an elongated body tapering from its medial portion towards each end and composed of companion sections, said sections having a passage, said body having a peripheral groove, a split yieldable clamp mounted in said groove and having angularly disposed ends fitting between the



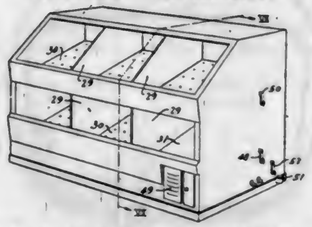
companion sections for yieldably securing the sections together whereby they may be parted to permit the insertion and removal of a line in the passage.

2,241,852
RECEPTACLE FOR FOUNTAIN PENS
Walter J. Guenther, Fort Madison, Iowa, assignor to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application December 22, 1939, Serial No. 310,605
10 Claims. (Cl. 120—108)



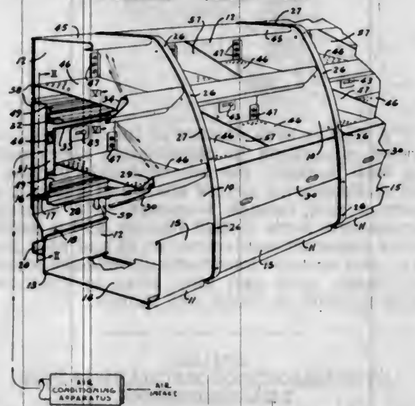
1. In a receptacle for a fountain pen having a shoulder at the lower end of the holder thereof, an open ended socket having an annular seat in the bore and intermediate the ends thereof providing upper and lower communicating chambers, said seat engaging the shoulder of the holder of said fountain pen to substantially seal the pen nib and exposed ink feeding means of said fountain pen in said lower chamber, an operating head telescopically engaging the open end of said socket for movement relative thereto, said operating head having an axial opening through which the writing point end of said fountain pen extends, and means associated with said operating head and actuated thereby to engage behind said shoulder and to urge a positive engagement thereof with said seat upon manual adjustment of said operating head, said means normally permitting free access of said fountain pen into and out of said socket.

2,241,853
CONDITIONED DISPLAY
Keith W. Hall and Donald W. McCready, Ann Arbor, Mich.; said Hall assignor to Tolco, Inc., Toledo, Ohio, a corporation of Ohio
Application March 9, 1938, Serial No. 194,802
7 Claims. (Cl. 62—89.5)



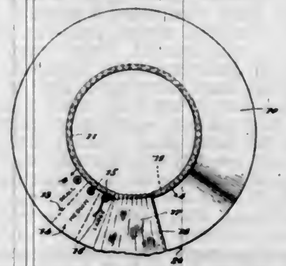
1. An apparatus of the class described comprising, in combination, an open display rack for products of the soil, means for shielding the rack and a space immediately thereabove against the entry of atmospheric air without materially impairing the free accessibility of the products, including means for discharging a protecting curtain of air that is so directed that it does not enter said space, and means for supplying to said space conditioned air substantially free from liquid particles, the rack being shielded to a sufficient extent, and said conditioned air being supplied at a sufficient rate, to maintain within said shielding means a body of conditioned air substantially undiluted by atmospheric air.

2,241,854
AIR CONDITIONED DISPLAY COMPARTMENT
Keith W. Hall and Donald W. McCready, Ann Arbor, Mich.; said Hall assignor to Tolco, Inc., Toledo, Ohio, a corporation of Ohio
Application May 21, 1938, Serial No. 209,393
4 Claims. (Cl. 98—36)



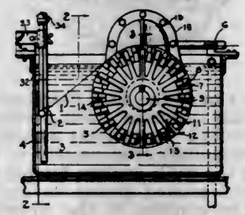
1. In an apparatus of the class described, in combination, a display compartment having walls for enclosing a space extending to a substantial height above products displayed therein and having an access opening, means for directing a stream of air to form a protective curtain of air that shields said opening, and means for continuously supplying conditioned air to the compartment, whereby said conditioned air continuously escapes through said access opening, and the entry of atmospheric air therethrough is inhibited.

2,241,855
SHIELD
Laura J. Heisterberg, Sedalia, Mo.
Application July 25, 1939, Serial No. 286,455
2 Claims. (Cl. 2—174)



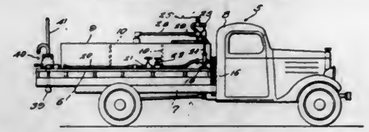
2. A shield of the class described comprising a stiff body having an opening for the head and separated at its respective ends to provide a slit extending from the head opening to the outer edge of the body, one end of the body being provided with a plurality of detachable segments to provide a head size adjusting means, a retaining cord passing around the head opening, and a flexible apron spanning and closing the slit between the respective ends of the shield and adapted to lie snugly upon the back of the neck of the user and conform to the contour of the neck to protect the neck and at the same time permit the head to move freely from side to side and prevent the stiff body of the shield from scraping upon the neck.

2,241,856
MANUFACTURE OF RUBBER THREAD OR THE LIKE
Charles E. Herrstrom, Lakewood, and Fred J. Samerdyke, Rocky River, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application November 18, 1935, Serial No. 50,292
Renewed July 19, 1939
9 Claims. (Cl. 18—54)



1. The process of continuously manufacturing rubber thread or the like comprising the steps of continuously forming the thread or the like by extruding through a spinning nozzle immersed in a coagulating bath a coagulable dispersion of rubber in a liquid vehicle; continuously but temporarily advancing the thread or the like in the form of a traveling helix made up of a large number of closely spaced, generally helical turns, whereby an opportunity is provided for performing a processing operation over a relatively long period of time upon a substantial length of the thread or the like but with the thread or the like meanwhile occupying only a comparatively small space; subjecting the thread or the like in such helical form to the action of a processing medium; and thereafter collecting the processed thread or the like.

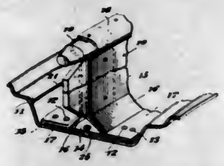
2,241,857
FIRE FIGHTING APPARATUS
Otto B. Hisaw, Susanville, Calif.
Application January 13, 1939, Serial No. 250,823
1 Claim. (Cl. 169—24)



Means for delivering liquid to or from a tank of a motor vehicle comprising a pump driven from the power plant of the vehicle and located on the vehicle at one side of the tank, a pipe line connected with the inlet of the pump, a branch pipe connecting an intermediate part of the pipe line with a lower part of the tank, a valve in said branch line, a valve in the pipe line between the junction therewith of the branch line and that end of the line which is opposite the end connected with the pipe, means for connecting a

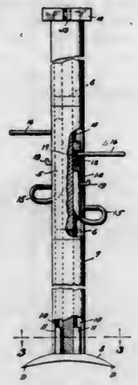
hose to the valve carrying end of the pipe line, a vertically arranged pipe connected with the outlet of the pump, a second branch line connecting said vertical pipe adjacent its upper end to the top of the tank for leading water from the pump into the tank, a valve in said second branch line, an L-shaped pipe swivelled to the upper end of the vertical pipe and adapted to have a hose connected therewith and a valve in the L-shaped pipe.

2,241,858
SEGMENTAL SAFETY VEHICLE TIRE
Joseph J. Hruska, Milwaukee, Wis.
Application October 28, 1938, Serial No. 237,574
4 Claims. (Cl. 152—158)



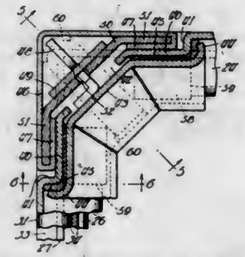
1. A safety rim of the class described comprising an annular member having spaced walls, means for securing the annular member to a tire rim, means extending transversely of the safety rim for tying the walls against lateral spreading, and the second named means having vents for facilitating the cooling of the interior of the safety rim, the spaced walls being adapted to extend inwardly of a tire, and a bead-like tread portion carried by the inner end of the spaced walls.

2,241,859
PORTABLE CLIMBER
Earl H. Hurley, Emporium, Pa.
Application October 28, 1940, Serial No. 363,200
4 Claims. (Cl. 187—1)



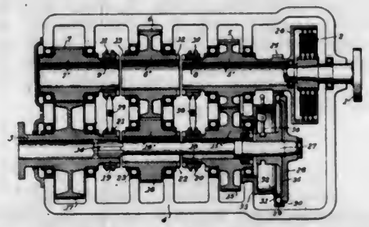
1. A portable climber comprising a body portion including a plurality of removable telescoping sections, said sections having grooves adapted to align when the sections are positioned end to end, means for supporting the body portion in an upright position, step members disposed within the aligning grooves, each step member including a stirrup and a ball held in a groove of the step member and adapted to engage said body portion holding the step member in positions of adjustment.

2,241,860
SHOWER BATH CABINET
Paul W. Kerr, Elkhart, Ind., assignor to Henry Weis Manufacturing Company, Inc., Elkhart, Ind.
Original application October 5, 1936, Serial No. 103,965. Divided and this application January 12, 1939, Serial No. 250,487
6 Claims. (Cl. 189—2)



1. A shower bath cabinet of the character described comprising in combination sheet metal side wall sections, the adjacent side flanges of said sections being spaced apart and a joint strip covering said flanges, a corner strip engaging the opposite faces of said flanges, and a locking device engaging said corner strip and said joint strip, and movable longitudinally relative to both the corner strip and joint strip to draw said strips together to clamp said flanges.

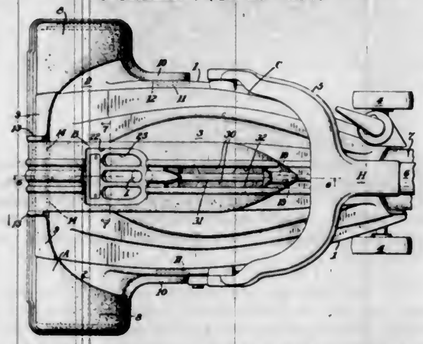
2,241,861
SYNCHRONIZING MECHANISM FOR TRANSMISSIONS
Richard Lang, Ravensburg, Germany, assignor to Maybach - Motorenbau G. m. b. H., Friedrichshafen, Germany
Application August 30, 1938, Serial No. 227,552
In Germany September 15, 1937
11 Claims. (Cl. 74—339)



1. In a variable speed gear transmission, a main shaft train comprising a plurality of independently rotatable, alined, gear-carrying shaft sections, a countershaft train comprising a plurality of independently rotatable, alined, shaft sections, each carrying a gear in constant mesh with a gear of the main shaft train, a driving input shaft section constituting the first shaft section of the main shaft train, a driven output shaft section constituting the last shaft section of one of said shaft trains, coacting clutch halves in each shaft train for selectively connecting together adjacent shaft sections to provide different drives between the input and output shaft sections, and accelerating means for speeding up a slower rotating clutch half in driving connection with the input shaft preparatory to engagement with its coacting faster rotating clutch half, comprising auxiliary driving means driven by the output shaft and operating, independently of any driving connection between the output

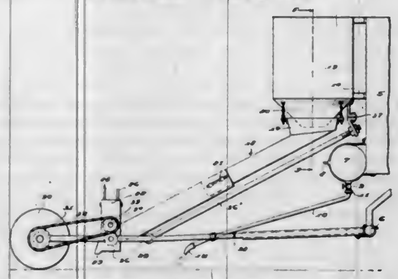
shaft and the faster rotating clutch half, to speed up shaft sections of the transmission on the input shaft side of the slower rotating clutch half.

2,241,862
PROTECTIVE COVERING FOR VACUUM CLEANERS
Wilfred O. Langille, Chester, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application November 17, 1938, Serial No. 240,945
5 Claims. (Cl. 15—257)



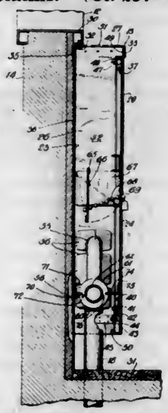
3. A protective covering for a vacuum cleaner casing having a nozzle and a hood comprising a first cover section having hood-like end portions adapted to embrace the end portions of the cleaner nozzle and a mid-portion, reduced in both width and thickness, connecting said end portions and adapted to cover the forward face and a portion of the upper face of the nozzle, a second cover section having a portion overlying and interlocking with the reduced mid-portion of the first cover section and extending transversely thereof and adapted to overlie the hood portion of the cleaner, and means carried by said cover sections and adapted to cooperate with portions of the vacuum cleaner to secure the protective covering to the cleaner casing.

2,241,863
TRAFFIC LINE APPARATUS
James E. Lett, San Angelo, Tex., assignor of one-third to Theo. Montgomery, San Angelo, Tex.
Application November 9, 1939, Serial No. 303,672
3 Claims. (Cl. 94—44)



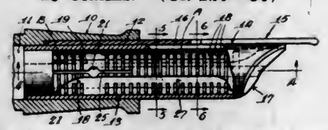
1. In combination with a machine for the application of road forming material on a road foundation, an aggregate hopper carried by said machine, a trough extending downwardly from the hopper, a box connected to the trough and including a distributing means having a shaft extending externally of said box, a substantially U-shaped frame straddling said box and extending forwardly and rearwardly thereof and having said shaft journaled thereto, a roller journaled on the frame to contact the road foundation rearwardly of the box, means for driving the distributing means by said roller, and means for connecting said frame to the machine.

2,241,864
HEATING APPARATUS
George M. Maier, Mount Lebanon, Pa., assignor to American Radiator & Standard Sanitary Corporation, New York, N. Y., a corporation of Delaware
Application February 28, 1940, Serial No. 321,267
8 Claims. (Cl. 257—136)



1. Heating apparatus comprising casing means providing a radiator enclosure adapted to be arranged alongside a room wall and having spaced air inlet and air outlet openings therein and including walls defining a flue space within the interior thereof connecting said inlet and outlet openings; a convector heat-emitting device occupying a portion of said flue space; a flow pipe for heating fluid connected to said device and extending laterally across said flue space from said device and within the portion of the latter not occupied by said device; and baffle means cooperating with said flow pipe to restrict air flow through the portion of the flue space not occupied by said device so as to prevent the main body of air from by-passing the heating surfaces of said device and, at the same time, to provide a restricted flow of air over said pipe for utilizing the heating surfaces of said pipe.

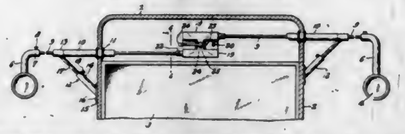
2,241,865
FOUNTAIN PEN
Lynn P. Martin and Herman K. Stempel, Fort Madison, Iowa, assignors to W. A. Sheaffer Pen Company, Fort Madison, Iowa, a corporation of Delaware
Application December 28, 1939, Serial No. 311,352
19 Claims. (Cl. 120—50)



1. In a fountain pen, a writing fluid reservoir, a pen section extending from one end thereof comprising a shell having a pen nib supporting

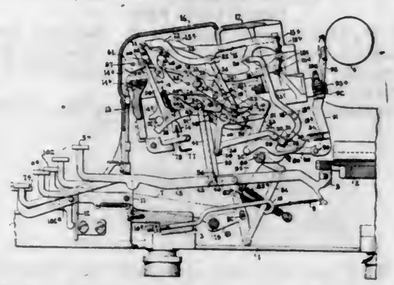
portion, a core housed in said shell, said shell having a fissure therethrough on the pen nib supporting surface thereof and said core having a fissure of capillary dimensions on the periphery thereof communicating with said reservoir and with said shell fissure for directing fluid from said reservoir to the pen nib, a capillary channel and capillary chambers in said pen section for holding the fluid in excess of the amount necessary for supplying said fissures, and an air passage in said core in communication with said reservoir and with said capillary channel, said channel having communication with said fissures and said capillary chambers whereby said air passage is sealed when said channel is supplied with fluid, and air is admitted to said air passage when the seal of said channel is broken to replace fluid in said reservoir for the further supply of fluid therefrom to said fissures.

2,241,866
REAR VIEW MIRROR
Paul W. Needham, South St. Paul, Minn.
Application June 25, 1940, Serial No. 342,386
1 Claim. (Cl. 88—86)



Apparatus of the class described for mounting on the cab of an automobile truck comprising a pair of tubular guides for extension in fixed horizontal position through opposite sides of said cab, respectively, a pair of rods endwise slidable in said sleeves in relatively opposite directions, and having opposed inner ends, a pair of rear view mirrors mounted on the outer ends of said rods, respectively, and manipulative means adapted to be mounted in fixed position in said cab and operatively connected to said inner ends of said rods to slide the same at will, said means comprising a guide block adapted to be mounted in fixed position in said cab, a pair of rack bars slidably mounted in said block and connected to the inner ends of said rods, respectively, a stud journalled in said block, a hand crank for operating said stud, and a gear pinion fast on said stud and meshing with both rack bars.

2,241,867
TYPEWRITING MACHINE
Philip S. Rand, Falmouth, Mass., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application June 8, 1937, Serial No. 146,993
46 Claims. (Cl. 197—25)

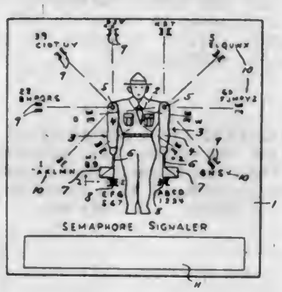


45. In a typewriting machine, a set of end-thrust type bars, a pair of guide links pivoted at one end to each type bar at spaced points along the length of the latter, means pivotally supporting each pair of guide links at the other end thereof, the means supporting one guide link of each pair being movable in a direction to change the angular relation of said guide link relative to the other guide link of said pair and relative to the associated type bar, actuating means connected to each type bar independently of said guide links and in such manner as to remain stationary during said change in the angular relation of the movably supported guide link relative to the other guide link of said pair and relative to the associated type bar, and case shifting means for simultaneously shifting all of said means movably supporting one guide link of each pair.

2,241,868
METHOD OF PROCESSING BLOOD
Albert Reimann, Ludwigshafen-on-the-Rhine, Germany, assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application November 2, 1938, Serial No. 238,396. In Germany September 10, 1937
4 Claims. (Cl. 260—112)

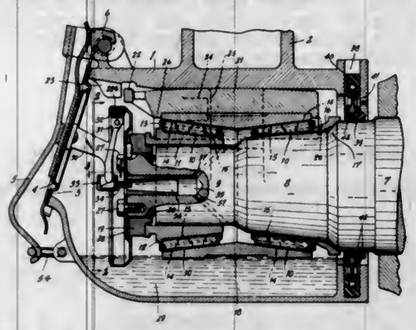
1. A method of processing blood that comprises adding to fresh blood a salt of phosphoric acid which is poorer in water of constitution than the orthophosphoric acids to thereby prevent coagulation and hold the fibrin in solution and then separating the blood thus treated into a liquid fibrin containing serum and fibrin-free blood corpuscles.

2,241,869
EDUCATIONAL DEVICE
Edmund Schwartz, Corona, N. Y.
Application June 11, 1940, Serial No. 339,961
1 Claim. (Cl. 35—14)



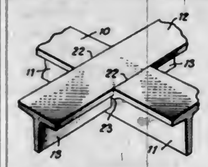
An educational device comprising a metallic plate having a representation of a human figure thereon, a pair of semaphores pivotally mounted for swinging movement on the plate and including representations of arms pivotally connected to the plate at the shoulder portions of the figure and swingable across said figure, arcuate series of pair of abutments pressed upwardly from the plate concentrically with the axes of the semaphores and comprising oppositely inclined outer surfaces and opposed, vertical inner walls, said semaphores further including staffs on the arms and flags on said staffs, the staffs comprising offset end portions slidable on the plate and engageable selectively between the pairs of abutments for releasably securing the semaphores in signaling positions.

2,241,870
LUBRICATING DEVICE
William L. Scribner, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application February 2, 1940, Serial No. 316,921
5 Claims. (Cl. 308—86)



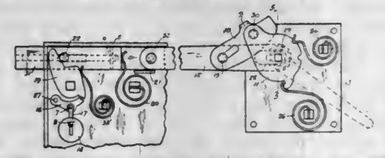
5. A car axle construction comprising an axle, a journal box into which said axle extends, a bearing mounted on said axle, a dish-shaped member secured to the end of the axle, said dish-shaped member extending into the bottom of the journal box, a bracket and brush member secured to the journal box lid, a wire brush on said brush member abutting against the upper portion of the rim of said dish shaped member, an oil reservoir secured to the lower end of said brush member, said reservoir having a pipe extending into a central bore in said axle and openings from said central bore leading into said bearing.

2,241,871
METHOD OF ELECTRIC WELDING
Frederick Tench, White Plains, N. Y., assignor to L. T. Corporation, New York, N. Y., a corporation of New Jersey
Application June 3, 1939, Serial No. 277,174
2 Claims. (Cl. 219—10)



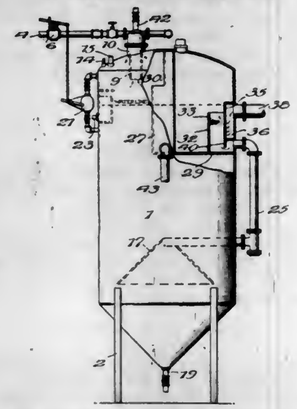
1. The method of electrically welding metallic rectangularly-shaped crossing members together consisting in providing one of said members with a slot of less width than the width of the other of said members, bridging said slot with the other of said members in undeformed condition, passing heating electric current through the overlapping portions of said members while applying pressure to force the other of said members within the aforesaid slot and to integrally unite the members together while forcing the excess molten metal extruded by the welding operation to flow beneath the members and to become a part of the welded joint at the intersection between the lower corners of the walls of the slot and the lower corners of said other member while leaving the upper surfaces of both members unobstructed and lying in a plane substantially common to both of them with the upper corners formed by the intersection of the members substantially free from extruded metal.

2,241,872
AUTOMOBILE DOOR LATCH
Eugene Van Note, Trenton, N. J.
Application June 16, 1939, Serial No. 279,513
5 Claims. (Cl. 70—157)



1. In an automobile door latch, a slidable spring projected latch bolt, provided with a bolt restraining member to automatically hold said bolt in retracted position on retraction of said latch bolt, said restraining member cooperating with the keeper on closing of the door to move said restraining member to bolt releasing position, an inside handle mechanism for retracting said latch bolt comprising a remote control member connected at one end with said bolt, a locking link, a slot and pin connection between one end of the locking link and the remote control member to allow a pivotal and sliding movement of said locking link relatively to said control member, a pivotal connection between the other end of said locking link and said inside handle, comprising a crank disk rigid with said handle and pivotally connected with said other end of said locking link, a stop means on the outer edge of said locking link for contacting one edge of said remote control member when the latch bolt is in projected position to hold said locking link substantially parallel to said remote control member and said pivotal points in bolt dogging position.

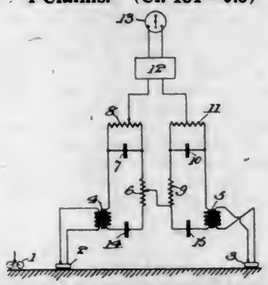
2,241,873
WATER DEAERATING AND PURIFYING
Joseph D. Yoder, Larchmont, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
Application October 8, 1937, Serial No. 168,079
11 Claims. (Cl. 210—12)



1. Water purifying and deaerating apparatus comprising, in combination, a tank enclosing a sedimentation space constituting the major portion of the tank interior, partitions subdividing the upper portion of the tank and defining, with the tank walls, a deaerating section and a treating section opening at its lower end into said sedimentation space, means for supplying to said treating section water and water softening

chemicals required for the softening thereof, a conduit connecting the sedimentation space with the deaerating section, for delivering softened water from said sedimentation space to said deaerating section by gravitational flow, gas-removing means in said deaerating chamber including a vertical plate having holes in vertically spaced rows, means for delivering steam through said holes, and baffle means adjacent said plate and adapted to guide a uniformly wide restricted upward flow of water delivered to said deaerating section past said plate and in intimate contact with steam delivered through said holes, and means for conducting steam passing uncondensed from said deaerating section to the water supplied to said treating section.

2,241,874
METHOD FOR GEOPHYSICAL EXPLORATION
Theodor Zuschlag, West Englewood, N. J., assignor, by mesne assignments, to Lundberg Exploration S. A., Panama City, Panama, a corporation of Panama
Application February 24, 1939, Serial No. 258,144
4 Claims. (Cl. 181—0.5)

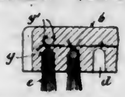


1. The method of geophysical exploration comprising, creating a continuous mechanical wave pattern, intermittently determining the momentarily effective amplitude ratio and phase difference between two points within said wave pattern by a non-continuous measuring procedure, repeating this procedure with other selected points, plotting the thus determined values, and interpreting the resultant amplitude and phase patterns as to their geophysical meaning.

2,241,875
COMPOSITION
Carl Dame Clarke, Ruxton, Md.
No Drawing. Application October 7, 1938, Serial No. 233,867
9 Claims. (Cl. 106—6)

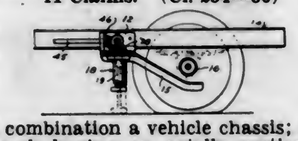
1. A plastic impression material comprising, in part, sorbitol and agar-agar in relative proportions to form a colloidal mass as a base for molding and casting purposes.

2,241,876
FLEXIBLE BACKED BRUSH
Ernst Cohen, Manchester, England
Application May 6, 1940, Serial No. 333,673
In Great Britain April 6, 1939
8 Claims. (Cl. 15—191)



1. A brush having a body portion composed of soft, flexible moulded rubber, an inelastic sheet material around which the moulded rubber extends and which is wholly enclosed by the rubber, a plurality of bunches of bristles mounted in the body portion and projecting out of at least one face thereof, each bunch of bristles being engaged by an anchoring staple having prongs entering the rubber body portion and extending only partly therethrough, said prongs penetrating the inelastic sheet material and holding the bristles firmly secured thereto.

2,241,877
VEHICLE ELEVATING DEVICE
Gaspare Contrino and Giuseppe Callari, Bronx, N. Y.
Application September 25, 1940, Serial No. 358,264
11 Claims. (Cl. 254—86)



1. In combination a vehicle chassis; four platforms each having an axially vertical bearing hole therethrough; and mounted on the chassis near the respective corners of the chassis; a jack pendingly mounted under each of said platforms; and having a vertical rotary drive member projecting upwardly through said bearing hole; a miter jack gear disposed on the upper face of the platforms and keyed on said upper portion of the drive member; each platform being provided with a transverse bearing axially parallel to the transvere axis of the chassis; the transverse bearings of the two front and also the two rear platforms being in transverse axial alignment respectively; the platforms on one side of the chassis being provided with axially longitudinal alined bearings parallel to the longitudinal axis of the chassis; a lengthwise shaft extending through the longitudinally aligned bearings and having miter gears at each end thereof engaging the respective jack gears on said one side; front and rear cross shafts extending through said transverse bearings near the front and rear ends respectively of the chassis and having miter gears at each end engaging the jack gears; means for driving one of said shafts; and axle supporting arms mounted on said chassis and projecting under the chassis axles to lift the axles as the chassis is raised.

2,241,878
RAKE TEETH MOUNTING
Welcome G. Firstenberger and Jesse T. Fiese, Fresno, Calif.
Application September 21. 1938, Serial No. 230,966
13 Claims. (Cl. 56—400)



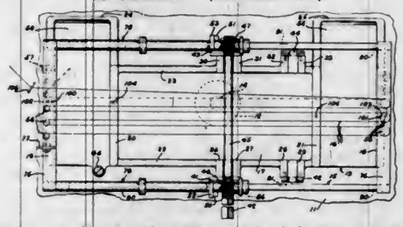
1. In combination, a horizontal shaft, a plurality of rake teeth supporting units rotatably mounted on said shaft, each unit comprising a section of angle iron and a substantially semicircular strap secured between the inner faces of the section, the shaft extending through the unit between the section and strap in relatively turnable relation; and a plurality of rigid rake teeth fixed on said units and projecting forwardly of the shaft.

2,241,879
HINGED DOUBLE COMB
Samuel Foster, Jr., Cranston, R. I., assignor to Fosgood Corporation, Leominster, Mass., a corporation of Massachusetts
Application June 27, 1940, Serial No. 342,608
2 Claims. (Cl. 132—15)



1. A hinged double comb comprising two comb members each having a back and a set of teeth, the two comb members being hinged together at their backs, the two backs having flat inner faces that contact each other in the closed position of the two comb members, the inner faces of the teeth of one of said comb members lying in substantially the same plane as the inner flat face of the back of said comb member, the inner faces of the teeth of the second comb member lying in a plane that is offset from that of the inner flat face of the back of said second comb member.

2,241,880
METHOD OF AND APPARATUS FOR WIRING ELECTRICAL UNITS
Howard W. Garbe, Hinsdale, and Herman Saravalli, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 11, 1940, Serial No. 313,404
15 Claims. (Cl. 140—71)



1. A method of wiring electrical apparatus having a plurality of rows of terminals to be strapped together which comprises wiring a plurality of strands of wire on an open expansible framework, fixing the ends of the wires so wound to the framework, expanding the framework to tighten the wires thereon, suspending the framework on a piece of apparatus to be wired, and soldering the wires to the terminals of the apparatus.

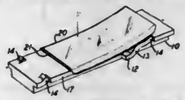
2,241,881
FOLDING CHAIR
William Hanley, East Orange, N. J., assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J., a corporation of New Jersey
Application July 29, 1939, Serial No. 287,326
7 Claims. (Cl. 155—141)

5. A folding chair comprising, a back frame, a seat pivoted thereto, front legs pivoted to the seat and connected to the back frame, and mechanism permitting the seat and front legs to be folded into substantial parallelism with the back frame and for locking the seat and front legs in unfolded usable position, said mechanism including a locking bar having its ends housed in the back frame below the point at which the seat is pivoted thereto, resilient means housed in the back frame for urging the locking bar upwardly, plates for pivotally connecting the seat to the back frame, notches formed in the lower edges of said plates, and cam portions on said plates adjacent the notches, whereby, when the seat is swung to open usable position, said cam portions on said plates will contact and depress



the locking bar until the notches are brought into coincidence with the bar, whereupon said resilient means will force the locking bar into engagement with the notches, and means carried by said plates for moving the locking bar out of engagement with the notches, said last named means being manually operated through means located near the front of the seat.

2,241,882
DESIGNATION STRIP
Rudolph A. Hecht, Maywood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 28, 1940, Serial No. 326,335
10 Claims. (Cl. 40—17)

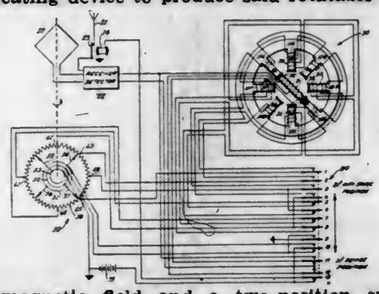


1. In a designation strip, a designation card-holding face strip having a pair of oppositely disposed edges in-turned to form channels, a mounting for said face strip comprising a flat metal bar having a runner-like flange extending from each of two opposite edges thereof which register with the channels of said face strip when the face strip is in position on said bar, means for positioning said face strip on said bar comprising stops formed as integral projections of said bar and extending, at one end of the face strip, above the face of said bar and, at the other end of the face strip, below the face of said bar, against which the ends of the face strip abut, and a designation card interposed between the face of said bar and said face strip.

2,241,883
DIRECTION FINDER ARRANGEMENT
Norman E. Klein, Chicago, Ill., assignor, by mesne assignments, to International Telephone Development Co. Inc., New York, N. Y., a corporation of Delaware
Application January 6, 1940, Serial No. 312,665
6 Claims. (Cl. 250—11)

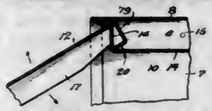
1. A direct reading radio direction finder comprising a continuously rotatable loop antenna, a sensing antenna, a receiver, a phase indicating means, means for feeding the output of said receiver to a coil pivotally mounted in a rotating

electro-magnetic field in said phase indicating device, a polyphase generator comprising a circular potentiometer resistance unit, and a plurality of brushes rotatable synchronously with said loop for applying direct current potential differences to said resistor, means interconnecting certain points on said resistor and said phase indicating device to produce said rotatable elec-



tro-magnetic field and a two-position switch means interposed between said generator and said indicator device for producing in said phase indicating means in one position a rotating field having the same frequency as produced by a single rotation of the loop and in the other position a rotatable field rotating at twice the frequency of rotation of said loop.

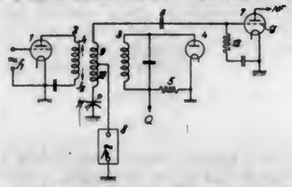
2,241,884
FILING CABINET
William W. Noble, Chicago, Ill.
Application April 26, 1940, Serial No. 331,681
2 Claims. (Cl. 312—189)



1. A filing cabinet having top and bottom walls, side walls and an end wall, the other end being open, a false top disposed below the top wall and secured to the side walls of the cabinet, said false top having an upturned flange at its front end, of less width than the width of the interior of the cabinet to provide gaps between the side walls and flange, a door for closing the open front of the cabinet, said door having side and end flanges, one end flange being formed with a lip arranged to engage the back of the upturned flange of the false top when the door is closed, and the side flanges of the door being arranged to engage the front edge of the false top whereby to position the upper end of the door when closed, and the side flanges thereof being arranged to pass through said gaps when the door is being raised and to ride upon the false top when the door is being slid into the space between the top wall and false top.

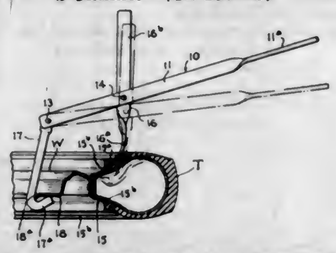
2,241,885
TELEGRAPHIC RECEIVER
Erhard Ottenberger and Herbert Pühmeyer, Berlin, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application October 26, 1939, Serial No. 301,318
In Germany October 27, 1938
3 Claims. (Cl. 250—20)

1. In a telegraphic receiver having a rectifying tube, a heterodyne oscillator, means for applying received signal oscillations from said oscillator to said rectifying tube to produce beat frequency signals and a gain regulating circuit for controlling the gain of the receiver in accordance with received signal levels, means for preventing the heterodyne voltage from influencing said regulating circuit, comprising a primary winding, a first secondary winding coupled with



said primary winding for applying received signals to said rectifier, a second secondary winding for applying said received signals to said gain regulating circuit, and a connection from said heterodyne oscillator to the mid-point of said first secondary winding to differentially compensate said heterodyne oscillation in said second secondary winding.

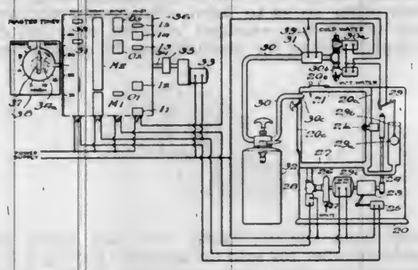
2,241,886
TIRE TOOL
George T. Pearce, Akron, and Harold J. Leidel, Wadsworth, Ohio, assignors to Ken-Tool Manufacturing Company, Akron, Ohio, a corporation of Ohio
Application September 24, 1940, Serial No. 358,076
2 Claims. (Cl. 157—6)



1. A tire tool of the character described, comprising a lever having a handle thereon, an element freely pivoted on said lever and having a hooked portion on the free end thereof engageable with a portion of a wheel assembly for a pneumatic tire when extended at one side of said lever, and a member freely pivoted on said lever in spaced relation from said element and having a portion for extending at the same side of the lever as said element to engage with a bead portion of a tire mounted on said wheel assembly, said member having a handle extending to the other side of said lever, the pivots on the lever both being shiftable freely with the lever and with respect to the wheel assembly whereby the element, member and lever may all shift relatively of each other during operation of the tool.

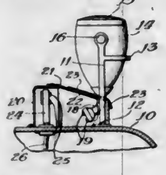
2,241,887
REGENERATIVE WATER SOFTENER FOR AUTOMATIC WASHING MACHINES
Eric Pick, East Rockaway, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
Application September 21, 1938, Serial No. 231,040
3 Claims. (Cl. 68—12)

1. In combination, a washing machine automatically operated through a sequence of washing steps and including a tub and a water feed automatically controlled to successively supply predetermined quantities of water to the tub during its sequence of steps, and a water softener interposed between the water feed and the tub



and containing regenerative water softening material, the said water feed and water softener cooperating alternately to soften the water supplied to said tub and to regenerate the water softening material by using said successive quantities to define successive steps of regenerating.

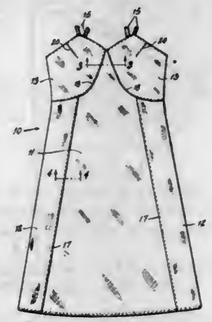
2,241,888
VEHICLE LIGHT
William Louis Roessner, Denver, Colo., assignor to Bertha L. MacGregor, as trustee
Application February 15, 1939, Serial No. 256,414
3 Claims. (Cl. 240—7.1)



1. A vehicle light comprising a lamp having a lens, a support adapted to be mounted on a vehicle, means pivotally connecting the lamp to the support with the lens facing upwardly, said means permitting free automatic swinging movement of the lamp relatively to the support when the position of the support relatively to a horizontal plane is being varied, whereby the lamp lens is automatically maintained in substantially upwardly facing position, electrical contact members on the lower end of the lamp, and a stationary contact member adjacent the lamp, said lamp swinging automatically into and out of contact making position when mounted on a vehicle traveling over horizontal and inclined surfaces.

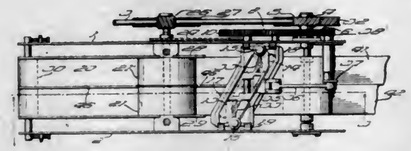
2,241,889
GARMENT
Joseph Henry Schweich, Clayton, Mo.
Application August 25, 1939, Serial No. 291,863
1 Claim. (Cl. 2—73)

A slip comprising breast panels of material cut on the bias, upper rear panels of material cut on the bias, the lower edge of each rear panel being inclined downwardly towards the center, a panel forming the rear and sides of the skirt of material cut on the straight, and a front skirt panel of material cut on the bias, said front skirt panel including a portion of V-shape extending upwardly between the breast panels to the top line thereof, the upper edge of the rear portion of the straight-cut panel being cut from each side inwardly to form an obtuse angle with the point thereof at the center and extending downwardly into the said panel, said bias-cut front skirt panel being



adapted to stretch and said upper edge of the straight-cut panel being adapted to be distorted to permit a wearer to pass the restricted waist line area over the breasts into wearing position.

2,241,890
DOUGH DIVIDER
Dennis W. Smith, Chicago, Ill., assignor to Colborne Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 24, 1940, Serial No. 320,585
4 Claims. (Cl. 107—24)

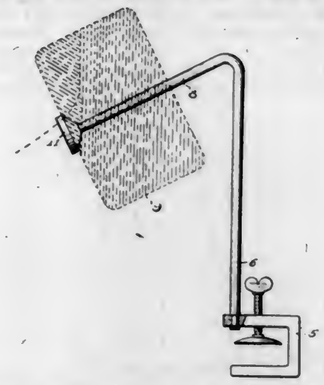


1. In a machine of the character described comprising a belt for carrying the sheeted material operated upon and means for driving the belt, a stamping unit including a structure surrounding one course of the belt and having on one side a supporting shelf and carrying on the opposite side of the belt a stamping die, means for effecting reciprocation of the die perpendicularly to the belt, said stamping die having formed therein a central longitudinal slot, and a partition fitted within said slot, said partition being mounted to abut said belt and to be fixed with reference to the reciprocation of the die toward and away from the belt.

2,241,891
TWINE HOLDING AND DISPENSING DEVICE
Bernhard Sollie, Miami, Fla.
Application February 13, 1940, Serial No. 318,774
5 Claims. (Cl. 242—141)

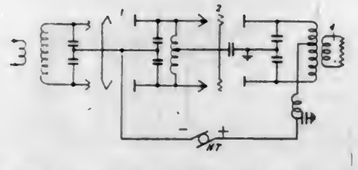
1. A holding and dispensing device for balls of cord comprising a supporting member, a vertical shank having its lower end pivotally mounted with respect to said member for turning movement about its axis, an outwardly and downwardly directed spindle projecting from the upper end of said shank to lie wholly to one side of said shank and of a length to extend through the central opening of a ball of cord to support said ball wholly to one side of said

shank, a retaining member mounted upon the outer end of said spindle and of materially larg-



er diameter than the spindle against which the ball of cord rides under the influence of gravity.

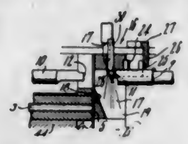
2,241,892
THERMIONIC AMPLIFIER
Charles Eric Strong, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application February 23, 1938, Serial No. 192,083
In Great Britain March 8, 1937
5 Claims. (Cl. 179—171)



1. A thermionic valve amplifying system comprising a driving amplifier having a cathode, an anode and a grid, a driven amplifier having a cathode, an anode and a grid, means to connect the cathode-anode discharge paths of the amplifiers so that they feed power in series to a common output load circuit with respect to signal voltages, connections for exciting the driven amplifier from the output voltage of the driving amplifier while maintaining the grid of the driven amplifier at a base signal potential, a source of signal modulating voltage, and connections from said source to the anodes of both stages for modulating the power output of the amplifier.

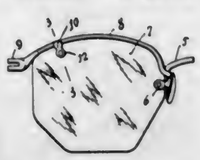
2,241,893
APPARATUS FOR SHAPING FASTENER ELEMENTS
Edward J. Tuttle, Waterbury, Conn., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application April 23, 1938, Serial No. 203,742
5 Claims. (Cl. 29—34)

1. An element forming machine comprising a frame, a punch and die member arranged in axial alignment with each other, guide members for supporting said punch and die member in said frame for reciprocation, said die member having at least a portion of the die cavity formed in the end thereof, means for positioning an element in said die cavity to be swedged therein, means for moving said punch and said die member toward each other so as to swedge said element between the ends of said respective members, means for moving said punch and die members away from each other so as to form a space therebetween into which the swedged element may be discharged, means for discharging the swedged ele-



ment from the die cavity into said space, said guide member for said die member having a fluid passage provided with an outlet facing downwardly into said space at the place of discharge of the swedged element, and said outlet being closed by said die member when it approaches said punch and opened by said die member when it recedes from said punch so as to control the flow of the fluid from said outlet.

2,241,894
AUXILIARY STRAP FOR EYEGLASS FRAME MOUNTINGS
Louis Vitolo, Brooklyn, N. Y., assignor to Century Oxford Manufacturing Corp., Brooklyn, N. Y.
Application November 13, 1940, Serial No. 365,445
1 Claim. (Cl. 88—47)

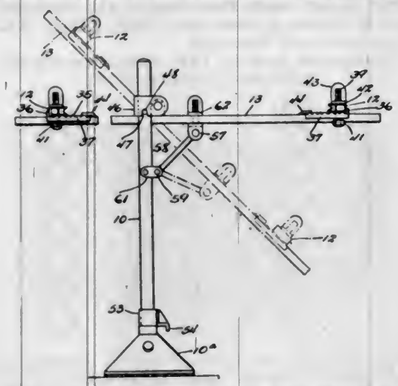


In combination with a frame for eyeglass frame mountings which presents a frame portion running along the upper edge of the lens and in proximity thereof, an auxiliary strap adapted to be adjustably and slidably mounted on said frame portion, said strap comprising two jaws united by a flexible loop adapted to be shaped to the cross-sectional contour of the frame portion, one of said jaws and said loop being of a lighter gauge than the other jaw, said jaws having aligning apertures, the aperture in the jaw of the heavier gauge being threaded to receive a screw, and a screw adapted to pass first through the lens and then through said jaws to secure the strap to the lens and to the frame portion simultaneously.

2,241,895
CURTAIN STRETCHER
John S. Walker and Alverna M. Walker, Pittsburgh, Pa.
Original application March 29, 1937, Serial No. 133,680. Divided and this application October 3, 1939, Serial No. 297,690
4 Claims. (Cl. 45—24)

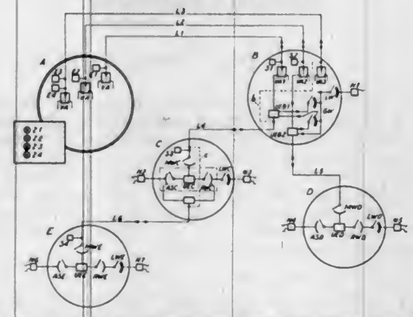
1. A curtain stretching apparatus comprising a pair of vertical supports, each of the supports having a lug extending outwardly therefrom adjacent the top thereof, a collar mounted on each of the supports, the collar engaging the lug on the support for securing the collar against rotation, a curtain stretcher frame pivotally mount-

ed to the collars and means having an arm mounted on the supports and engaging the



stretcher for locking the stretcher frame in position.

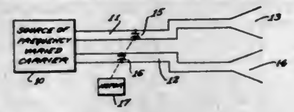
2,241,896
TELEPHONE SYSTEM
Eduard Wochinger, Brieselang, near Berlin, Germany, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von Gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany
Application August 5, 1938, Serial No. 223,208
In Germany August 17, 1937
9 Claims. (Cl. 179—7.1)



6. In a telephone system, three exchanges interconnected by trunk lines, a calling subscriber's line terminating at the first exchange, a called subscriber's line terminating at the second exchange, an operator's position in the third exchange, means controlled over certain of said trunk lines by the operator at said position for completing between the lines of said subscribers a connection which does not pass through said third exchange, and timing means associated with said connection for transmitting to said operator's position over certain of said trunk lines a timing signal for each unit of time that said connection is maintained.

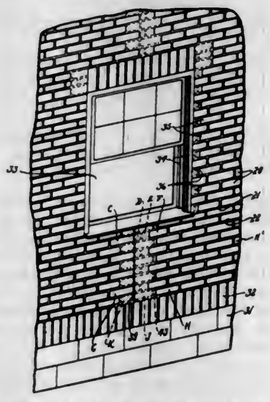
2,241,897
VARIABLE FREQUENCY RADIO BEACON
Andrew Alford, New York, N. Y., assignor to International Telephone Development Co. Inc., New York, N. Y., a corporation of Delaware
Application October 11, 1939, Serial No. 298,903
17 Claims. (Cl. 250—11)

1. A radio beacon comprising a source of carrier frequency energy of continuously varied frequency, directive radio antennae coupled to said source for radiating said energy to produce over-



lapping radiation patterns, and means for imparting distinctive characteristics to the energy forming each of said radiation patterns.

2,241,898
BUILDING FACING
Reginald B. Bawtenheimer, Sarnia, Ontario, Canada, assignor to Charles Weir, Sarnia, Ontario, Canada
Application November 3, 1938, Serial No. 238,641
7 Claims. (Cl. 20—5)

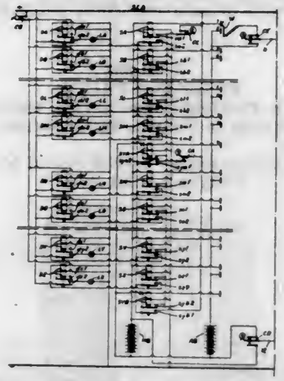


1. The method of facing a building with a facing of panels having registering rows of individual pattern-forming strips separate from and mounted on the outer face of said panels, consisting in: cutting said panels to the length desired, abutting adjacent panels together at their end edges, removing pattern-forming strips cut to a length less than half their normal length to provide a strip-receiving blank, cutting off and removing a portion of the strip adjacent said blank for enlarging said blank and filling said blank with a separate strip.

2,241,899
ELECTRIC REMOTE INDICATING SYSTEM
Andrew Brown and Edward Egerton Mabbott Woodward, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application April 29, 1938, Serial No. 204,970
In Great Britain May 7, 1937
2 Claims. (Cl. 177—353)

2. In a remote indicating system, a signaling channel, a plurality of substations associated with said channel at different points thereof, an indicating station associated with the channel at one end thereof, said substations having devices thereat whose condition is to be indicated at the indicating station and said indicating station having provisions for successively rendering the substations effective to transmit their condition indications over said channel to said indicating station and for successively receiving said indi-

cations, means at the indicating station operated from the last substation and an intermediate substation for checking the synchronous successive operation of the substations and the successive operation of the receiving means at the indicating station for rendering the received indications effective if synchronism obtains, another indicating station beyond the intermediate substation having provisions and checking means similar to that of the first indicating station for the substations beyond the second indi-



cating station, switching means at the second indicating station for either rendering the provisions and checking means at the second station effective for the stations beyond and rendering the provisions at the first station ineffective with respect to the stations beyond and for rendering the checking means at the first indicating station effective for the synchronous operation up to the intermediate substation or for rendering the provisions and checking means of the first indicating station effective for all of the stations.

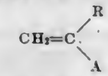
2,241,900

PREPARATION OF MODIFIED OLEFIN-SULPHUR DIOXIDE POLYSULPHONES

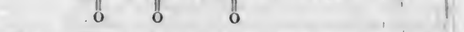
Merlin Martin Brubaker and Jesse Harmon, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 26, 1938, Serial No. 204,309
6 Claims. (Cl. 260—80)

4. Process of preparing modified olefin-sulphur dioxide polysulphones which comprises reacting sulphur dioxide with a mixture of at least one straight chain mono-olefin hydrocarbon having at least two ethylenic hydrogen atoms and from 3–4 carbon atoms, inclusive, and another organic compound having the formula



wherein R is selected from the group consisting of hydrogen and alkyl, and A is selected from the group consisting of



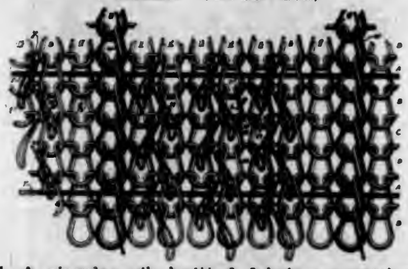
wherein R′ is selected from the group consisting of hydrogen and alkyl and R″ is alkyl, said mixture having a proportion of one mol of mono-olefin hydrocarbon to 0.04–0.2 mol of said other organic compound.

2,241,901

HOSIERY

Robert Evan Davis, Fort Payne, Ala., assignor to W. B. Davis & Son, Inc., Fort Payne, Ala., a corporation of Alabama

Application July 18, 1939, Serial No. 285,058
7 Claims. (Cl. 66—172)



1. A circular rib knitted fabric comprising a body thread knit to form wales and courses, a terry thread knit with said body thread and having terry loops therein, a wrap thread incorporated in said fabric at predetermined portions thereof, and an elastic thread laid in said fabric between the rib and plain wales.

2,241,902

THERMOSTAT

Harold B. Drapeau, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois

Application December 23, 1936, Serial No. 117,348
4 Claims. (Cl. 297—15)



1. A bimetal thermostatic element to be used in a thermostatic device, comprising two pieces of metal, having different coefficients of expansion, connected together, and provided with a longitudinally extending rib, said rib formed by bending a portion of both of the bimetal strips between their edges so as to cause the metal of one piece to project into the plane of the main body portion of the other piece.

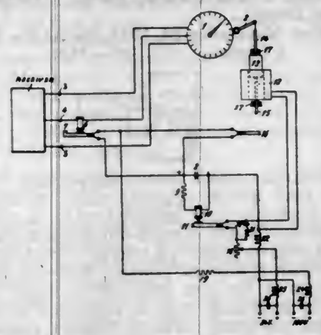
2,241,903

DIRECTION FINDING SYSTEM

Hans Eggers, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company

Application August 25, 1938, Serial No. 226,616
In Germany March 12, 1937
11 Claims. (Cl. 250—11)

1. A direction finding system comprising a transmitter of the rotary radio beacon type which emits signals of different kind, such as dots and dashes, alternately in accordance with a given rhythm, transmission of signals being periodically interrupted by longer silent periods, comprising a receiver adapted to pick-up said signals, said receiver having a counting mechanism in which said signals of different kind are counted with respect to a zero reference and subtracted from each other connected to said receiver, a resetting system comprising, a timing device associated with said counting mechanism, means responsive to the normal received signal for preparing said timing device for operation, means coupled with said timing device to operate upon the decay of said normal signal transmission upon cessation of received signals during said silent periods of said transmitter, and means controlled by said coupled means responsive to said operation upon decay of normal sig-



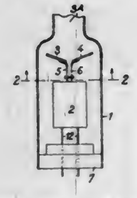
nals to restore said counting mechanism to normal position shortly in advance of the conclusion of the silent period of said transmitter before the succeeding keying period of said transmitter commences.

2,241,904

VACUUM VESSEL

Alfred Gaebel, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application July 19, 1939, Serial No. 285,227
In Germany July 26, 1938
4 Claims. (Cl. 250—27.5)



1. A vacuum vessel comprising a bulb having an aperture therein, an equipment assembly, a supporting member attached to said bulb, means for mounting said assembly on said member, bendable supports fastened to said assembly and mounted in accessible relation to said aperture, and spacer elements for said assembly attached to said supports.

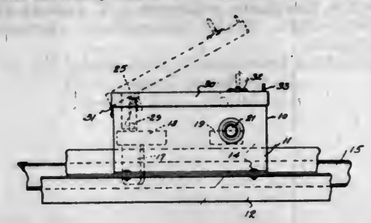
2,241,905

SWITCH

William H. Frank and Lawrence E. Fisher, Detroit, Mich.

Application June 13, 1938, Serial No. 213,356
6 Claims. (Cl. 200—51)

1. A switch comprising an open top box, closely adjacent parallel stationary prongs within the box, one adapted to be connected to a supply line and the other to a branch conductor, an insulation head movable on and so arranged as to closely surround the free ends of the prongs at all times, a bridging contact within the head which bridges the prongs when the head is moved farthest away from the open top of the box and which clears the prongs when the head is moved nearest the open top of the box, a hinged cover for the open top of the box, and cams on the lower surface of the cover for engaging the head and causing it to move along the prongs whereby cover movement will cause movement of the head towards or away from the open top of the box,



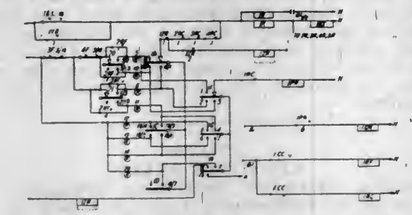
the head remaining in the box and on the prongs in all its movements and being separate from, though operably connected to, the cover and its cams.

2,241,906

RAILWAY SIGNAL AND/OR POINT CONTROL EQUIPMENT

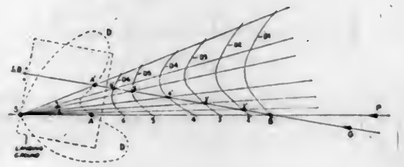
John Balmain Griffiths and Andrew Brown, London, England, assignors to International Standard Electric Corporation, New York, N. Y.

Application May 21, 1938, Serial No. 209,198
In Great Britain May 31, 1937
10 Claims. (Cl. 246—134)



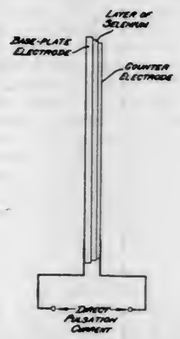
1. In a railway signal and switch points control system wherein the track system involves tracks which may be set to selectively control a number of conflicting routes, an arrangement for assuring conflicting routes are not simultaneously set up comprising, a plurality of rotary control switches each control switch comprising a number of switch elements fixed on a common shaft, contacts operatively associated with each switch element in different angular positions thereof to effect closure of route setting circuits to provide interlocking between said route setting circuits associated with each switch to avoid setting up of conflicting routes, means interconnecting contacts of certain of said rotary elements on one of said rotary control switches with contacts on another of said rotary switches for providing a further interlock between said rotary switches to avoid setting up of other conflicting routes, a plurality of manually adjustable route switches, means responsive to operation of said route switches to selected route position to initiate operation of said control switches into the position indicated by said adjustment, means responsive to the condition that said selected route is not free of conflicts with other selected routes for preventing operation of said control switch and means operated with said system to prevent completion of a route setting circuit in response to the stopping of a control switch in route setting position if the setting of said control switch disagrees with the setting of the manual route switch in response to which operation of said control switch was initiated.

2,241,907
LANDING METHOD AND SYSTEM FOR AIRCRAFT
Walter Max Hahnemann and Ernst Kramar, Berlin, Germany, assignors to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application December 7, 1938, Serial No. 244,440
In Germany June 7, 1938
11 Claims. (Cl. 250—11)



9. In a system for landing aircraft which comprises means for producing a glide path radiation pattern the landing plane of which is indicated by a receiving means on an aircraft, the method which comprises producing and radiating a wave from a first point to form a radiation pattern having a predetermined pattern of intensity in a vertical plane and a predetermined horizontal directivity, producing an indication for guiding said aircraft along a path in a plane laterally spaced from said first point and intersecting said pattern along a predetermined line and guiding said aircraft along said path and at an elevation determined by said radiation pattern to follow a predetermined desired line of landing.

2,241,908
RECTIFIER DEVICE
Heinrich Herrmann, Nuremberg, Germany, assignor to Süddeutsche Apparate-Fabrik G. m. b. H., Nuremberg, Germany, a company
Application May 31, 1939, Serial No. 276,652
In Germany June 7, 1938
3 Claims. (Cl. 175—366)



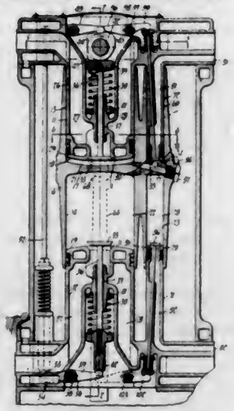
1. In a process of manufacturing dry rectifiers which comprises the step of an electric formation, the method of effecting this step by a direct pulsation voltage, the maximum value of said voltage exceeding the direct current breakdown potential of said rectifiers and the interval between pulses being equal to the ionic re-combination time of the ions produced in said rectifier by the pulsating voltage applied thereto.

2,241,909
CHAIR SEAT
Alfred C. Hoven and Walter E. Nordmark, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application November 29, 1937, Serial No. 177,015
2 Claims. (Cl. 155—179)



1. A channel sheet metal supporting rim for a chair seat whose opposite sides between its flanged portions are provided with a plurality of spaced upwardly struck-out looped portions, each adapted to retain an end of a seat supporting spring in spanning relation between the opposite sides of the rim and whose outer flanged portion is provided with a plurality of spaced struck-out portions forming fingers adapted to be pressed into clamping engagement with the edges of said rim adjacent the openings therein formed by the striking out of said finger portions, said edges and said fingers when so pressed to clamping engagement being adapted to frictionally retain therebetween the marginal lengths and widths of a covering material stretched over the top, opposite sides and opposite ends of a chair seat supported upon said rim.

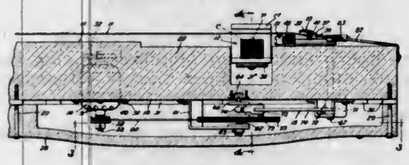
2,241,910
INTERNAL COMBUSTION ENGINE
Thomas E. Hull, Oakland, Calif.
Application April 16, 1940, Serial No. 329,899
6 Claims. (Cl. 123—63)



3. An internal combustion engine comprising, a pair of stationary pistons mounted in parallel relation to each other, a member formed with a pair of parallel cylindrical bores slidably embracing said pistons and defining chambers between the heads of said pistons and the inner ends of said bores, means for reciprocating said member relative to said pistons for varying the volume of said chambers, valve and passage means connected to one of said chambers and operated in timed relation with the movement of said member for introducing air into said chamber during an enlarging stroke thereof and sealing said chamber during a compression and power stroke thereof and venting spent combustion products from the chamber during a volume reducing stroke thereof, valve and passage means

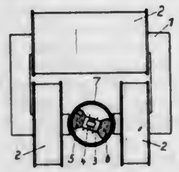
connected to the other of said chambers and operated in timed relation to the movement of said member for introducing a rich gaseous fuel and air mixture into said second chamber for compression of the mixture therein, said second chamber having a higher compression ratio than said first chamber, passage means connecting said chambers for passing compressed mixture from said second chamber into compressed air into said first chamber, and a check valve in said last named passage means providing a unidirectional flow of fluid from said second chamber to said first chamber.

2,241,911
STRINGED MUSICAL INSTRUMENT
Clayton O. Kauffman, Fullerton, Calif., assignor to Electro String Instrument Corporation, a corporation of California
Application September 26, 1938, Serial No. 231,718
6 Claims. (Cl. 84—313)



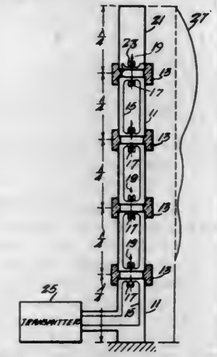
1. A stringed musical instrument including an instrument body, a tailpiece member, means supporting the member on the body for oscillatory movement, a vibratile string stretched across the body and having one end secured to the body and one end secured to the member, and means for oscillating the tailpiece member comprising an operating motor having a rotating shaft, and a drive between the motor shaft and the said member operable to convert rotation of the shaft to oscillatory movement of the member, said drive including two pivoted levers, one connected with the said member, a shaft carrying the other lever, crank means operated by the motor shaft to oscillate the last named shaft, and a spring connection between the levers transmitting oscillating from said other lever to the lever connected with said member.

2,241,912
ARRANGEMENT FOR COIL WINDING WITH MAGNETIZABLE CORES
Martin Kersten, Berlin-Siemensstadt, and Adolf Weis, Berlin-Charlottenburg, Germany, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application May 4, 1938, Serial No. 206,000
In Germany May 4, 1937
5 Claims. (Cl. 171—242)



1. In an inductive system containing a first magnetizable core forming an independently closed magnetic circuit, and a high frequency winding on said core, an exciter system composed of a second magnetizable core having poles of comparatively larger cross section than said first core and between which poles said first core is disposed, so as to pass the exciter flux through said first core, a second winding on said exciter core and means for varying the exciter flux through said first core, the magnetic material portions adjacent to the exciter core poles and said first core being subdivided against eddy currents to a greater extent than the remainder of the exciter core, and the cross section of said material being essentially larger than that of the remainder of said first core, for preventing magnetic stray fluxes from the high-frequency core from entering said first core flux path, means for screening said first core from said exciter core, said magnetic material portions being included in said screening means, said screening means being movably disposed between the exciter core poles to vary the exciter flux through said first core.

2,241,913
HIGH FREQUENCY ANTENNA AND TRANSMISSION LINE
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 10, 1938, Serial No. 239,816
7 Claims. (Cl. 250—33)

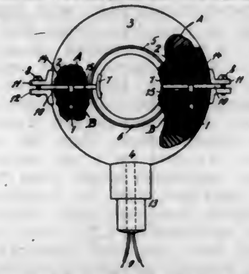


1. A high frequency antenna comprising two quarter wave radiating sections and a plurality of quarter wave transmission line sections all arranged in a straight line, an input coupling means including an impedance connected between said radiating sections, means coupling each of said transmission line sections to each succeeding section for transferring currents through said transmission line sections, means for coupling the first of said transmission line sections to a power source, and means for coupling the last of said transmission line sections to said input coupling means.

2,241,914
TOROIDAL COIL
Kurt Koschmieder, Falkensee, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company
Application April 13, 1938, Serial No. 201,702
In Germany April 15, 1937
1 Claim. (Cl. 175—359)

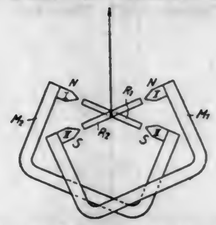
A toroidal coil comprising two half-ring shaped insulating bodies, an arcuate solenoidal air-core winding on each of these bodies, a subdivided screening jacket for each of these windings, metal springs fastened to one of such jackets and adapted to engage the other jacket, lugs fitted to

the said jackets, fastening screws seated in these lugs, and an arrangement of plugs and plug



sockets, carried by said insulating bodies and to which the ends of the said windings are joined.

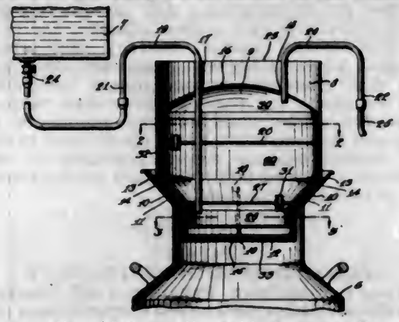
2,241,915
DIRECTION-FINDING SYSTEM
Ernst Kramar, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany
Application August 24, 1938, Serial No. 226,473
In Germany August 28, 1937
2 Claims. (Cl. 250—11)



1. A direction finding receiver for visual indication by comparison of two signals to determine the preponderance thereof, each signal including signal elements of different lengths, comprising means for receiving and detecting said signals, means for producing from the detected signal elements induction impulses of opposite polarity indicating the beginning and the end of each signal element, whereby the signals are distinguished from one another by the polarity and grouping of the produced signal impulses, an instrument having four magnetic poles and two crossed coils, arranged in the field of said magnetic poles, means for applying said produced impulses to said coils to cause said coils to deflect relative to said poles, the deflection of said coils being dependent upon the predominance of one of said received signals.

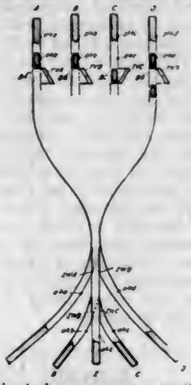
2,241,916
MILK COOLER AND STRAINER
George McNally, New Castle, Pa.
Application October 15, 1938, Serial No. 235,130
3 Claims. (Cl. 31—4)

1. In a milk cooler and strainer, a milk reservoir having a strainer outlet and adapted to sit in the open end of a milk can or the like, a cooling drum having a smooth cooling dome and adapted to sit inside the reservoir above the strainer outlet, the reservoir and drum having intermediate their heights opposed downwardly converging inside and outside shoulders and means intermediate the said opposing shoulders supporting and separating the drum from the reservoir, the said means including a wire below the drum and having reversely flaring ends and intermediate the ends a U bend, the ends seating the drum by resting on the inside of the reservoir



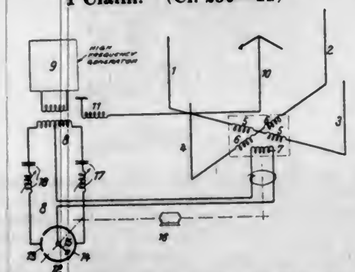
at opposite sides on its said downwardly converging shoulder.

2,241,917
TUBULAR CONVEYER SYSTEM
Kurt Mehlis and Walter Mühlberg, Berlin, Germany, assignors to Mix & Genest Aktiengesellschaft, Berlin-Schoneberg, (Germany), a company
Application February 14, 1939, Serial No. 256,330
In Germany February 14, 1938
15 Claims. (Cl. 243—16)



1. A pneumatic tube conveyer system comprising, an exchange station, a group of tubes incoming to said station, a group of tubes outgoing from said station, a single tube interconnecting the tubes of one group with the tubes of the other group, a plurality of receiving stations associated with each outgoing tube, and means for selectively conveying a carrier from any of said incoming tubes through said single tube to a particular one of said outgoing tubes and to any desired receiving station associated with said particular tube, comprising carrier separating devices individually allocated to each incoming tube for successively feeding incoming carriers into said devices, test means in each of said devices to subject an incoming carrier to a test with respect to its destination characterization number imparted thereto prior to its dispatch, a group of electric storage equipments for each separating device having tens digit registers and units digit registers connected with the appropriate one of said test means and selectively responsive to the result of said test, means in each of said separating devices for successively feeding tested carriers into said single tube, switch tongue control means in each of said outgoing tubes, switch tongue control means at each of said receiving stations, and means for interconnecting said storage equipments with the switch tongue control means in said outgoing tubes and at said receiving stations to render the setting of the said tens registers and the said units registers, respectively, determinant in a number of receiving stations not only for the selection of an outgoing tube but at the same time for the selection of a receiving station, and not only for the selection of a receiving station but also for the selection of an outgoing tube, respectively.

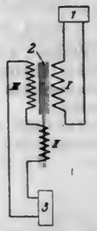
2,241,918
DIRECTIONAL RADIO TRANSMITTER
Ernst Müller, Berlin-Tempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company
Application March 14, 1939, Serial No. 261,709
In Germany March 23, 1938
1 Claim. (Cl. 250—11)



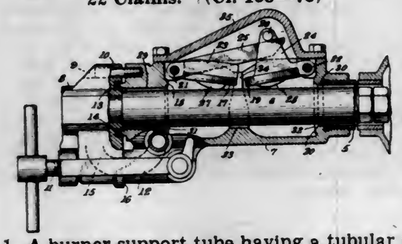
A radio transmitter comprising first and second circuits each including a capacity, rotary capacity varying means for alternately increasing one and then the other of said capacities, a high frequency source coupled to both said circuits for supplying high frequency energy thereto, an omni-directional radiator continuously fed from said source, tuning means for adjusting each of said circuits to such reactance that said circuits become alternately resonant to the frequency of said source in response to the alternate increase of one and then the other of said capacities, a vario-coupler of the goniometer type having two stationary inductors and one rotatable inductor, said rotatable inductor being coupled to both said tuned circuits in such sense as to receive energy therefrom alternately in one phase and then the opposite phase in response to said alternate increase of one and then the other of said capacities, four vertical antennae arranged in two pairs and coupled to said two stationary inductors of said vario-coupler, and means for continuously rotating said rotatable inductor of said vario-coupler and said rotary capacity varying means with a constant ratio of rotary speeds.

2,241,919
METHOD OF SEGREGATING SYNCHRONIZATION IMPULSES
Peter Neidhardt, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany
Application February 16, 1939, Serial No. 256,749
In Germany February 16, 1938
2 Claims. (Cl. 178—7.5)

1. A transformer device for improving the wave front steepness of television framing frequency synchronization impulses, comprising a core having an unsaturable portion and a saturable portion, a primary winding for receiving said synchronizing impulses, a first secondary on said unsaturable portion of said core, and a second secondary winding on the saturable portion of said core and connected in series with said first secondary winding said serially connected secondary windings serving as the output of said device.

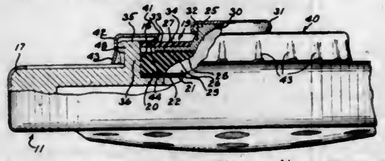


2,241,920
AUTOMATIC CLOSING ATOMIZER CASING
Eric G. Peterson, Glen Ridge, N. J., assignor to Peabody Engineering Corporation, New York, N. Y.
Original application March 19, 1938, Serial No. 196,878. Divided and this application May 7, 1940, Serial No. 333,746
22 Claims. (Cl. 158—73)



1. A burner support tube having a tubular portion, a removable element projecting through said tubular portion, reversely swinging self-closing check valves at one end of said tubular portion adapted to be displaced in an opening direction by said removable element and interconnecting means between said reversely acting check valves for automatically effecting the lifting movement of one when the other is shifted in an opening direction.

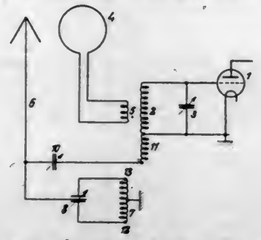
2,241,921
CLAMPING MEMBER
Anton J. Petkus, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 6, 1938, Serial No. 233,543
2 Claims. (Cl. 179—122)



1. In a telephone transmitter unit, a supporting member having an aperture, an electrode unit within the aperture, an annular engaging shoulder on the supporting member, and a clamping member having inner and outer flanges, the inner flange clamping the electrode unit within the sup-

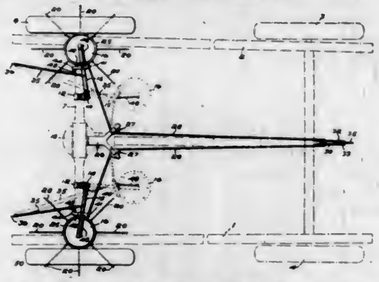
porting member aperture and the outer flange corrugated to provide a clamping action around the annular engaging shoulder.

2,241,922
RADIO DIRECTION FINDING SYSTEM
Heinz Rensch, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application July 15, 1939, Serial No. 284,572
In Germany July 20, 1938
3 Claims. (Cl. 250—11)



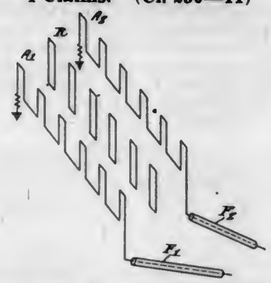
1. In a radio direction finding system, a signal input circuit having an inductance and a capacity forming an input oscillatory circuit, a directional antenna system inductively coupled to said inductance, a non-directional auxiliary antenna, means including a coupling coil and a differential condenser for coupling the said non-directional auxiliary antenna to the said oscillatory circuit whereby a spurious voltage is produced between said coupling means and said oscillatory circuit, and additional capacitive coupling means disposed between the said auxiliary antenna and the said inductance to produce a voltage of equal magnitude but of opposite phase with respect to said spurious voltage for compensating the said spurious voltage.

2,241,923
AUTOMATIC EMERGENCY TRACTION DEVICE FOR AUTOMOBILES
Herbert N. Ridgway, Winthrop, Mass.
Application February 2, 1940, Serial No. 316,885
7 Claims. (Cl. 188—4)



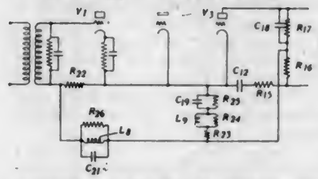
1. Traction apparatus of the kind described, comprising means to position a series of traction members under the wheels of an automobile, including a rotatable carrier mounted on a movable support adapted to move said carrier adjacent one wheel of a pair of vehicle wheels, with the rim of the rotatable carrier in impinging contact with the side wall of the standard tire of said wheel, non-slipping means on the rim of the carrier to frictionally indent the tire and rotate said carrier in fixed relation with the rotation of said tire wheel, said rotatable carrier having a plurality of flexible traction members yieldingly connected to the carrier and operated automatically to throw successive traction members under the tire by the rotative action of said carrier, in combination with automatic means to lock said carrier and tire in driving engagement.

2,241,924
RADIO NAVIGATION AID
John Glover Robb, Richmond, John Megarry Furnival, Purley, and Bertram John Witt, Harrow, England, assignors to Radio Corporation of America, a corporation of Delaware
Application October 27, 1938, Serial No. 237,214
In Great Britain November 18, 1937
4 Claims. (Cl. 250—11)



1. A navigation-aiding radio transmitting installation of the equisignal type wherein a predetermined course line is defined by means of an equipotential signal including in combination a pair of series phase antennas spaced on either side of said course line for establishing overlapping radio frequency fields in which the main overlapping portion includes the desired course line and subsidiary overlapping portions including undesired courses, and a plurality of reflectors located between said antennas and on said course line for limiting the position of the undesired overlapping portions so that their overlap forms an equipotential signal along said course.

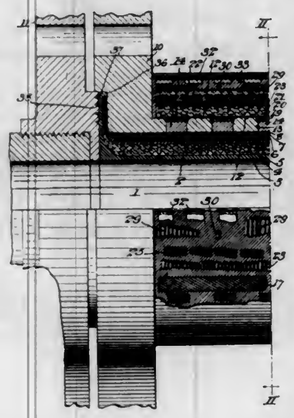
2,241,925
THERMIONIC AMPLIFIER
Alleman Holly Roche, London, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application April 5, 1939, Serial No. 266,129
In Great Britain April 21, 1938
5 Claims. (Cl. 179—171)



1. A negative feedback amplifier circuit for amplifying a given range of frequencies, which comprises an amplifier having an input and output channel, a feedback channel energized from said output channel, a reactive potentiometer of substantially higher impedance than said feedback channel bridged across said energized feedback channel so as to draw a current therefrom, a circuit branch of substantially lower impedance than said potentiometer also bridged across said energized feedback channel so as to draw a substantially larger current therefrom, connections

from one side of said feedback channel and from an intermediate point of said potentiometer respectively to said input channel, and a network connected to be traversed by said substantially larger current and proportioned to vary the gain of the circuit only outside said given range and in such sense as to increase stability.

2,241,926
HIGH PRESSURE HOSE COUPLING
James V. Ryan, Beacon, N. Y., and Edwin S. Davis, Newtown, Conn., assignors to New York Rubber Corporation, New York, N. Y., a corporation of New York
Application November 10, 1938, Serial No. 239,766
5 Claims. (Cl. 285—71)

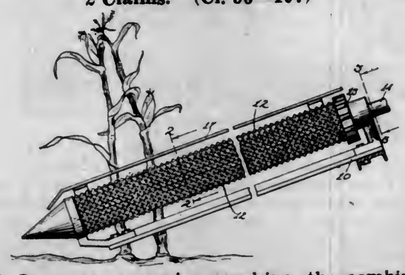


1. In a hose, a coupling member provided with a nipple embedded in the body of the hose, said nipple having an exterior helical formation thereon adjacent its outer end and being provided with perforations therethrough located intermediate the spirals of said helical formation, a substantially smooth metallic sleeve embedded in the hose body adjacent the inside of said nipple and secured thereto by binding material located in said perforations, and a reinforcing winding located intermediate the spirals of said helical formation in contact with said binding material and extending rearwardly from said nipple into the body of the hose.

2,241,927
PROCESS OF PREPARING AMINO ACIDS
Melville Sahyun, Detroit, Mich.
No Drawing. Application September 6, 1939, Serial No. 293,575
3 Claims. (Cl. 260—529)

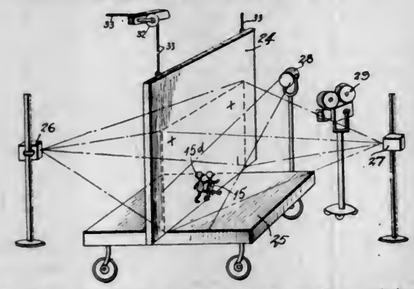
1. The process of producing by hydrolysis a preparation containing all of the indispensible amino acids which comprises, treating a protein containing all of the indispensible amino acids with an aqueous solution of a mineral acid under hydrolyzing conditions, separately treating an additional quantity of such protein with an aqueous solution of an alkali under hydrolyzing conditions, comingling the aforesaid reaction mixtures after the hydrolysis has taken place in such proportions that the final product is substantially neutral, and separating the amino acids in the reaction product from the mineral acid salt.

2,241,928
CORN SNAPPING MACHINE
Claude K. Shedd and Edgar V. Collins, Ames, Iowa, assignors to Iowa State College Research Foundation, Ames, Iowa, a corporation of Iowa
Application August 10, 1939, Serial No. 289,422
2 Claims. (Cl. 56—107)



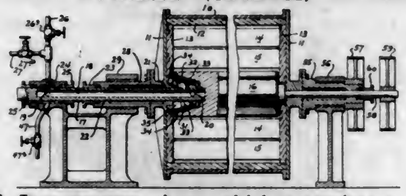
1. In a corn snapping machine, the combination of a frame, two ear snapping bars arranged side by side and inclined downwardly and forwardly and spaced apart far enough to permit stalks of corn to pass between them and close enough together to prevent the entrance of ears of corn between them, two rollers arranged side by side one below each snapping bar and in substantially the same plane as the snapping bar, means for rotatably supporting the rollers in positions spaced apart far enough to permit a corn stalk to pass between them without being crushed or broken by the rollers, one of the rollers having pointed projections on its surface of such size and so positioned that several of them will at the same time puncture and enter a corn stalk between the rolls to thereby firmly grip the stalk and said projections being spaced apart from each other far enough to avoid crushing or breaking a corn stalk.

2,241,929
PRODUCTION OF MOTION PICTURES OF THREE - DIMENSIONAL ANIMATED OBJECTS
Albert C. Kendig, Jr., Los Angeles, Calif., assignor of one-third to Fred W. Clampett, Los Angeles, Calif., and one-third to Robert E. Clampett, Manhattan Beach, Calif.
Application March 23, 1939, Serial No. 263,762
13 Claims. (Cl. 88—16)



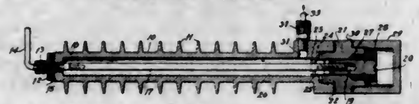
1. The method of producing motion pictures of the character described which includes the steps of: making a series of representations of different phases of action in the movement of an animated object; sequentially projecting said representations to form visible images thereof; sequentially posing an object in positions such that a shadow cast thereby substantially registers with the images, and sequentially photographing said object in said posed positions.

2,241,930
VACUUM CHURN
Robert D. Pike, Piedmont, Calif., assignor to A. W. Stitt, San Francisco, Calif.
Application November 14, 1938, Serial No. 240,292
7 Claims. (Cl. 31—34)



5. In a vacuum churn which comprises a rotatable container and a co-axially rotatable worker within the container, a hollow shaft communicating with a source of vacuum and extending into the container concentricallly thereof, and means forming fluid communication between the interior of the container and the hollow shaft, said means operating to pump liquids toward the interior of the container while gases are being withdrawn from the container therethrough.

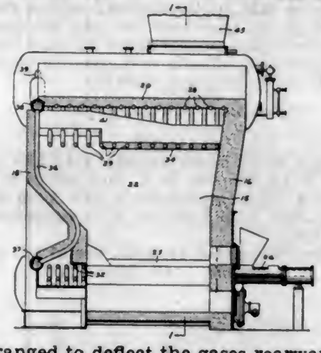
2,241,931
THERMOSENSITIVE EXPANSION VALVE
Thomas I. Potter, Buffalo, N. Y., assignor to Refrigeration Patents Corporation, Buffalo, N. Y., a corporation of New York
Application March 13, 1936, Serial No. 68,770
24 Claims. (Cl. 62—8)



1. An expansion valve for controlling the expansion of compressed refrigerant in a compressor-condenser-expander system, said valve comprising two rigid elongated members subject to thermal expansion and contraction, one of the members enclosing the other and shielding the same from ambient temperatures, one of the members forming an expansion chamber and having a port at one end of said chamber constituting the sole inlet for admission of said refrigerant to the chamber, and a closure for said port carried by the other member at the adjacent end thereof, the two members being secured to each other at the other end of said chamber, said chamber being defined at least in part by the inner member whereby said inner member will be chilled by expansion of the refrigerant in said chamber and the port will be variably opened by contraction and closed by expansion of the inner member with respect to the outer member.

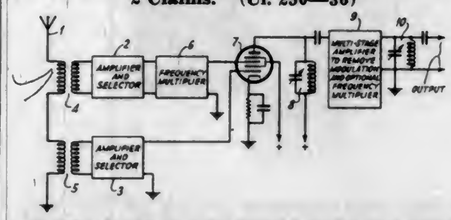
2,241,932
STEAM GENERATOR
Gustav A. Rehm, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application September 26, 1939, Serial No. 296,634
6 Claims. (Cl. 122—336)

3. A steam generator comprising a longitudinal steam-and-water drum, a longitudinal water drum therebeneath, a bank of upright water tubes connecting said drums, walls providing a combustion chamber at one side of the tube bank, means providing an elongated opening through which gases may flow from the upper portion of the combustion chamber into the tube bank, the opening decreasing in width toward the rear, and a baffle located in the combustion chamber



and arranged to deflect the gases rearwardly before they reach said opening.

2,241,933
UTILIZATION OF BROADCAST WAVES FOR OBTAINING HIGH FREQUENCY CARRIER
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 1, 1938, Serial No. 243,366
2 Claims. (Cl. 250—36)

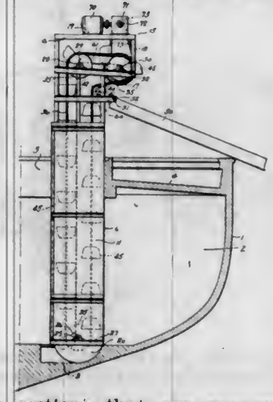


1. The method of obtaining a substantially unmodulated radio frequency current of accurately known frequency and high frequency stability which comprises receiving modulated carrier waves of different known frequencies from two broadcast transmitting stations, sharply selecting each of said carrier waves to substantially reduce the received effective modulations thereof, multiplying the frequency of one of said received waves, producing from said selected and multiplied waves a new radio frequency wave of a frequency which is linearly related to the frequencies of said broadcast waves of known frequencies, selecting and amplifying said new frequency and substantially eliminating the modulation thereof to produce a current of stable frequency and substantially constant amplitude.

2,241,934
FISH ELEVATOR
William F. Schlothan, Ketchikan, Territory of Alaska
Application October 13, 1939, Serial No. 299,292
3 Claims. (Cl. 198—206)

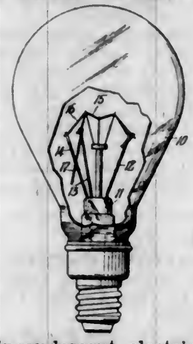
1. An elevator of the character described comprising a frame structure forming a vertical shaft adapted to be disposed through the hatchway of a boat, to extend to the bottom of a hold containing a fluid cargo and to project above the deck, a continuous conveyor belt, with buckets fixed thereto, operable vertically in the shaft, for removal of cargo from the hold and for lateral delivery thereof from the upper end of the shaft, power mechanism mounted on the upper end of

the structure for driving the conveyor belt; said shaft being permanently closed about all sides except the side facing the up-going run of the belt and provided at that side with a closing wall



comprising sections that are successively demountable from the upper end of the wall downwardly to provide for the inflow of cargo to the shaft over the top edge of that wall in accordance with the removal of the sections.

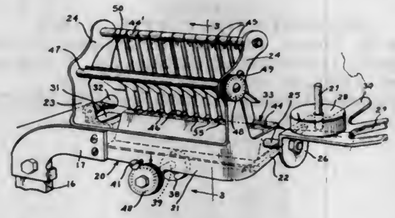
2,241,935
INCANDESCENT ELECTRIC LAMP
Paul Schwerin, Rutherford, N. J.
Application March 16, 1936, Serial No. 69,041
Renewed March 30, 1940
8 Claims. (Cl. 176—27)



1. In an incandescent electric lamp, a main filament and an auxiliary filament, supporting wires therefor, a switch comprising a strip of thermostat material fixed at one end to one of said supporting wires, an insulatingly supported resilient member located at the free end of said thermostat strip and being under tension to engage its free end with said thermostat strip, means for limiting the path of movement of the free end of said member, and an electrical connection between said member and another of said supporting wires.

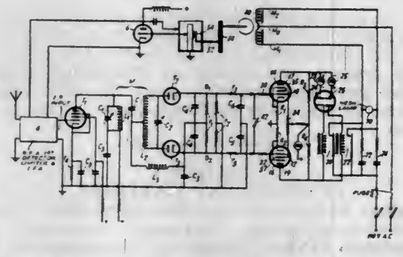
2,241,936
CLEANING YARN
Harry P. Serio and Anthony W. Serio, Elmira, N. Y.
Application November 17, 1938, Serial No. 241,024
8 Claims. (Cl. 28—64)

1. A yarn cleaner comprising a yarn support, yarn guides for directing a moving strand of yarn longitudinally of the yarn support, means supporting a series of spaced depending flexible blades above the yarn support, the lower ends



of the blades engaging the yarn and being adapted to vibrate parallel to the direction of movement of the yarn, and means to govern the degree of flexure of the blades.

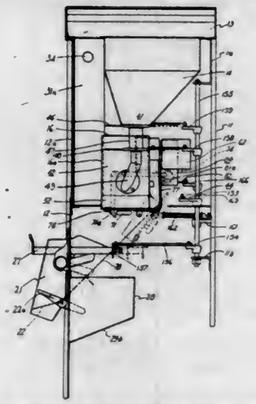
2,241,937
AUTOMATIC FREQUENCY CONTROL SYSTEM
Bertram Trevor, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 20, 1939, Serial No. 268,871
3 Claims. (Cl. 250—40)



1. In a system for maintaining the frequency of wave energy substantially constant, wave energy amplifying means including a tunable element which determines the frequency of the wave energy amplified, a pair of rectifier tubes having input and output electrodes, a frequency discriminating circuit connected to the input electrodes of said rectifiers, impedances connecting the output electrodes of said rectifiers in a balanced differential circuit, means for impressing said wave energy on said frequency discriminating circuit, whereby substantially equal differential voltages are produced in said impedances by rectified wave energy when said wave energy impressed on said frequency discriminating circuit is of the proper mean frequency and unequal differential voltages are produced in said impedances when the frequency of said wave energy deviates from said proper frequency, a pair of electron discharge amplifier tubes having input and output electrodes, means coupling said input electrodes to said impedances, a pair of uni-lateral devices connected in parallel, said uni-lateral devices being conductive in different direction, means coupling the said parallel devices to the output electrodes of said amplifier tubes, driving means connected with said tunable element for moving said element in one direction when direct current flows through one of said devices and in the other direction when direct current flows

through the other of said devices, and means actuated by current flow in said uni-lateral devices for controlling the operation of said driving means.

2,241,938
APPARATUS FOR POPPING CORN
Irven H. Wilsey, Chicago, Ill., assignor to Air-pops-it, Incorporated, Chicago, Ill., a corporation of Illinois
Application January 27, 1938, Serial No. 187,276
19 Claims. (Cl. 53—4)



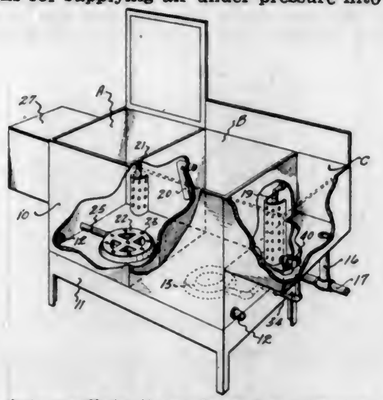
1. In a corn popping machine, means for popping a batch of corn, means including a perforate gate for measuring out the next batch of corn to be popped, and means for conducting a part of the heat and moisture from the corn being popped through the perforate gate to the next batch.

2,241,939
LUMINESCENT MATERIAL
Günther Aschermann and Ernst Friederich, Berlin-Charlottenburg, Germany, assignors to General Electric Company, a corporation of New York
No Drawing. Application October 28, 1940, Serial No. 363,212. In Germany February 4, 1939
4 Claims. (Cl. 250—81)

1. A luminescent material highly responsive to the 2537 Å. mercury line comprising a heat-treated combination of manganese-activated zinc silicate with an addition of up to 25 per cent of at least one metallic sesquioxide of the general formula M_2O_3, said material having a response to the 2537 Å. mercury line substantially greater than that of manganese-activated zinc silicate without the said addition.

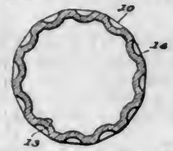
2,241,940
WASHING MACHINE
John R. Atkins and William J. Atkins, Dallas, Tex.
Application February 29, 1940, Serial No. 321,548
2 Claims. (Cl. 259—95)

1. In a washing machine, a washing vat having an overflow, a water agitating means in said vat, said means comprising a substantially circular body having a circular air conduit formed therein, a pair of intercrossing passages communicating with said circular conduit at their ends, said latter conduit and passages having a plurality of apertures for the release of air under pressure, a common, restricted air inlet to said conduit and passages, a pipe connected to said inlet, insulated means for supplying air under pressure into said



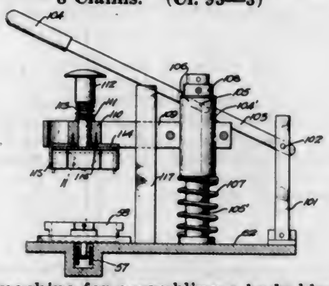
pipe intermediate its ends and a cleaning plug removably disposed at the free end of said pipe.

2,241,941
ANGLING LURE
Edmond E. Bates, Carlisle, Mass.
Application August 12, 1938, Serial No. 224,531
1 Claim. (Cl. 43—46)



A fish lure, comprising a hollow body of molded translucent material having integrally formed therein a multiplicity of external light-reflecting concavities simulative of the body appearance of a fish and having integrally formed therein a plurality of internal light-refracting convexities, the concavities and convexities being arranged in pairs with the concavities and convexities of each pair opposite one another.

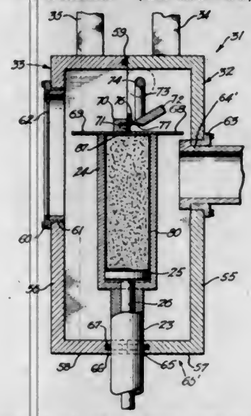
2,241,942
PACKAGING MACHINE
Samuel H. Berch, Beverly Hills, Calif., assignor to Arden Farms, Co., Los Angeles, Calif., a corporation of Maryland
Application May 25, 1938, Serial No. 210,037
8 Claims. (Cl. 93—3)



1. A machine for assembling a body blank and a cover blank to form a carton, the body blank having slits in its side wall and the cover blank having tangs adapted to interlock with the slits when introduced thereinto, a mold for holding

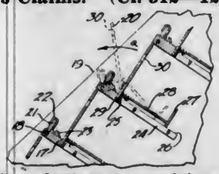
the body blank in its normally folded position to form a carton, a member receiving a cover blank in its folded position to be assembled with the carton, and means carried by the body blank for holding the slits thereof in a tang receiving position when the mold and the cover holding member are moved together.

2,241,943
METHOD OF PACKING FOOD PRODUCTS AND THE LIKE
Samuel H. Berch, Beverly Hills, Calif.
Application May 25, 1938, Serial No. 210,038
7 Claims. (Cl. 226—56)



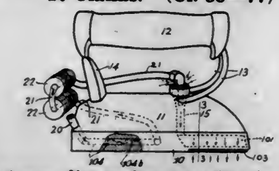
2. A method of packaging comminuted material within a flexible and collapsible container which consists in placing the material in such container, placing the container within a mold of a configuration desired for the package, exhausting the air from within the container and the mold, sealing the container during the exhaust period, and thereafter admitting air under pressure to the space within the mold and around the container to impart the configuration of the mold to the container.

2,241,944
DISPLAY DEVICE
George E. Buzza, Los Angeles, Calif.
Application December 11, 1939, Serial No. 308,648
3 Claims. (Cl. 312—120)



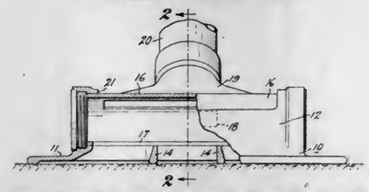
2. A display device, comprising spaced vertical side walls, a plurality of display and compartment units mounted therebetween and in superposed relation to each other, said units each comprising a shelf pivotally mounted between said side walls on a horizontal axis disposed adjacent to its forward edge and having an upwardly projecting back wall cooperating with the shelf to support articles to be displayed, a storage compartment being formed in the rear of said back wall and comprising a floor member pivoted at its forward end to the back of the back wall and having an upwardly projecting rear wall at the rear and free end thereof, and guides for the free ends of said compartment floors and disposed substantially in the plane of the shelf whereby when the back wall carried by the shelf is swung forwardly from beneath the shelf disposed thereabove the compartment floor will be drawn forwardly to dispose stored articles thereon in an accessible position to be reached through the opening between the upper free end of the back wall and the shelf thereabove.

2,241,945
LAUNDRY PRESSING IRON
William M. Cissell, Jefferson County, Ky.
Application November 23, 1937, Serial No. 176,000
10 Claims. (Cl. 38—77)



3. A steam-dispensing pressing-iron having in combination, a conduit within which steam employed in the operation of the iron is treated, said conduit having an inlet for receiving condensate-laden steam and an outlet for delivering treated steam onto the surface of material being pressed by the said iron; means operatively associated with the said conduit for arresting condensate from the said steam; a heating element operatively associated with the arresting means for converting the arrested condensate into steam; and a heat exchanger exposed to the atmosphere and operatively associated with the outlet of the said conduit for reducing the temperature of the treated steam and converting the same into a relatively moist steam.

2,241,946
SUCTION NOZZLE
Eric Edström, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application June 26, 1936, Serial No. 87,397
In Switzerland July 2, 1935
7 Claims. (Cl. 15—155)

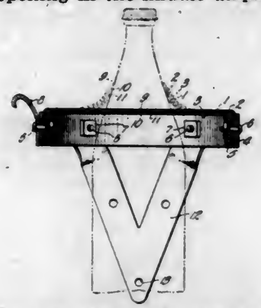


1. In a suction nozzle, a hollow body defining a suction opening divided into a plurality of sections, a cylindrical valve member rotatably mounted in said body and formed with one port adapted to communicate with all of said sections and with another port adapted to communicate with only one of said sections, and means for connecting a suction conduit to said valve member, said valve member being rotatable by said conduit to bring either of said ports into operative position.

2,241,947
BOTTLE DRIER
Arthur W. Goodwin, Oswego, Kans.
Application February 27, 1939, Serial No. 258,719
1 Claim. (Cl. 15—210)

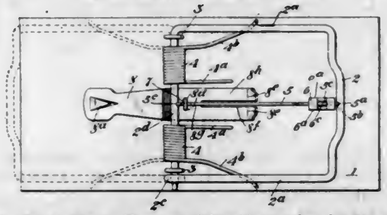
In a bottle drier, a frame, three sheets of elas-

tic sheet material supported by said frame forming contiguous continuous diaphragms, each of said diaphragms being provided with a central circular opening, said openings being concentric, the opening in the middle diaphragm being



larger than the opening in one of the outside diaphragms, and smaller than the opening in the other outside diaphragm, the diameters of the openings and the positioning of the diaphragms being such that they co-act to simultaneously wipe the surface of bottles drawn therethrough.

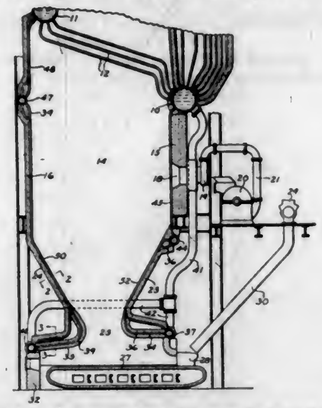
2,241,948
ANIMAL TRAP
Hershey Roy Graybill, Manheim, Pa., assignor to Animal Trap Company of America, Lititz, Pa., a corporation of Pennsylvania
Application March 9, 1939, Serial No. 260,684
18 Claims. (Cl. 43—83.5)



1. In a trap, the combination of a base, a pivoted spring actuated jaw, a longitudinally movable locking plate having a detent provided with a cam face for engaging the jaw in set position, and tending to move said plate in a direction to release said jaw, and a cam face for engaging the jaw in setting the trap to move it in the same direction, a coacting part secured against movement longitudinally of the base, said locking plate having a locking portion to engage in set position said coacting part to lock the locking plate against movement longitudinally of the base, and a contiguous cam portion for engaging said coacting part and moving said locking plate longitudinally into set position, said locking plate being normally held by gravity in set position at all times except during the setting and release of the jaw, and a bait pedal provided with a trigger portion for engaging the locking plate to disengage its locking portion from said coacting part.

2,241,949
FURNACE
Louis E. Griffith and Ollison Craig, Worcester, Mass., assignors to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application February 17, 1938, Serial No. 190,997
3 Claims. (Cl. 122—240)

1. A furnace comprising walls enclosing a combustion chamber of sufficient size for the burning of pulverized fuel in suspension, means to supply pulverized fuel to the chamber for combustion in suspension therein, the chamber having two opposite bottom walls which are fully exposed to the radiant heat of the burning fuel and slope downwardly and inwardly toward a narrow central opening extending transversely of the combustion chamber, a longitudinally movable grate located



beneath the opening, means to supply wood refuse to the grate for combustion thereon, arches of refractory material extending forwardly and rearwardly from the central opening to ensure ignition of fuel on the grate and to direct the gases arising from the fuel bed into the opening to mix said gases, and water circulating means supporting said arches and extending upwardly therefrom in cooling relation with said sloping bottom walls.

2,241,950
LUMINESCENT MATERIAL
Magdalene Hüniger, Berlin-Charlottenburg, and Hans Panke, Berlin, Germany, assignors to General Electric Company, a corporation of New York
No Drawing. Application December 20, 1939, Serial No. 310,254. In Germany March 2, 1938
6 Claims. (Cl. 250—81)

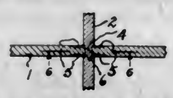
1. The method of minimizing the infra-red luminescence of red-luminescing materials included within the group consisting of the borates and phosphates of the alkali metals and the metals of the second and third groups of the periodic system excepting mercury activated by one or more materials belonging to the group of compounds consisting of the borates and phosphates of silver, thallium, tin, lead, cerium and antimony and a material belonging to the group of compounds consisting of the borate and phosphate of manganese, which method consists in changing the stoichiometric formula composition of such materials by the substitution of silicic acid for up to 50 mol per cent of the acid component of said borate and phosphate luminescent materials.

2,241,951
LUMINESCENT MATERIAL
Magdalene Hüniger, Berlin-Charlottenburg, and Hans Panke, Berlin, Germany, assignors to General Electric Company, a corporation of New York
No Drawing. Application December 20, 1939, Serial No. 310,255. In Germany March 2, 1938
2 Claims. (Cl. 250—81)

1. A luminous substance comprising a heat

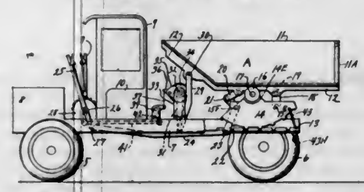
treated combination of one or more of the materials belonging to the group of compounds consisting of the borates and phosphates of the alkali metals, the metals of the second group of the periodic system excepting mercury, and the metals of the third main group of the periodic system, activated by one or more activating materials belonging to the group of compounds consisting of the borates and phosphates of cerium and antimony, and an activating material belonging to the group of compounds consisting of the borate and phosphate of manganese.

2,241,952
STRUCTURAL MEMBER
Laurence S. Lachman, Forest Hills, N. Y.
Application March 11, 1939, Serial No. 261,245
2 Claims. (Cl. 189—82)



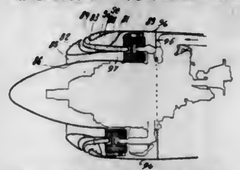
2. A grating of the type described including a series of longitudinally extending load bearing bars having slots on their upper edges, a series of transversely extending bars lying in said slots, each transverse bar having cavities on one side face lying in each slot respectively, said first series of bars being compressed at the sides along their top edges adjacent one side of each slot to expand the material thereof tightly into the adjacent cavity of the bars of the second series at the slots, whereby the longitudinal bars are pre-loaded under compression.

2,241,953
DUMPING APPARATUS
William E. Maher, St. Paul, Minn.
Application November 3, 1939, Serial No. 302,695
4 Claims. (Cl. 298—14)



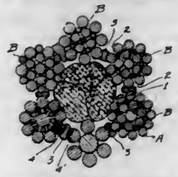
1. In a dumping apparatus including longitudinal main frame members, a dumping body pivotally supported over the frame to tilt and move the body simultaneously, to inclined discharge position; a pair of parallel rails fixed longitudinally to the under side of said body, a rack-rail on each main frame member near the rear end, a pair of rigidly connected and transversely registering rocker members, toothed to mesh with said racks, a roller member in the upper part of each rocker engaging each a rail and supporting the body, a link member rearward of each roller normally in vertical position and pivotally connected to the rocker and to a rail and said links normally vertical to support the body in load carrying position, said body proportioned and positioned for carrying with its center of gravity ahead of said roller supports, lever and reach rod means connected to the front ends of said rockers and arranged to initially move the body rearwardly until its center of gravity is rearward of said rollers and the said link supports thereby tilted rearwardly to initially lower the discharge end of the body and start tilting of the rockers and body rearwardly, simultaneously.

2,241,954
EXHAUST CONDUIT ARRANGEMENT FOR AIR-COOLED AIRCRAFT ENGINES
Pierre Ernest Mercier, Neuilly-sur-Seine, France
Application June 28, 1939, Serial No. 281,574
In Great Britain December 19, 1938
4 Claims. (Cl. 123—171)



4. In an aircraft, the combination of an air-cooled engine, a cowling enclosing said engine, means for evacuating cooling air near the front end of said cowling and on the front side of said engine, means for admitting cooling air to said cowling in a direction to flow over said engine to cool the same, the flow of the cooling air toward said evacuation means being in a direction from the rear of the cowling and engine to the front thereof, exhaust pipes extending forwardly from the engine cylinders to and terminating at said evacuating means, the forward portions of said pipes being flattened and reversedly curved to form flattened exhaust conduits for exhausting the products of combustion from the engine and for guiding the cooling air at said evacuating means in a generally rearward direction.

2,241,955
METALLIC ROPE AND CABLE
Alvin L. Noyer and Alexander McEachern, Portland, Oreg., assignors to Wickwire Spencer Steel Company, New York, N. Y., a corporation of Delaware
Application July 16, 1940, Serial No. 345,816
7 Claims. (Cl. 57—147)

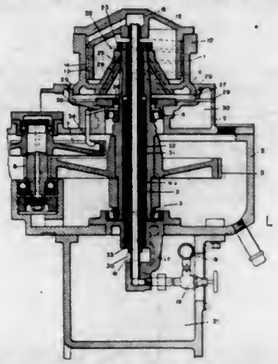


1. In a wire rope or cable of the class described composed of a central core and a plurality of strands surrounding said core, of means for preventing the adjacent sides of the strands from contacting each other, said means having a high degree of ductility and permitting the embedding therein of those strand wires which define the transverse limits of the valleys formed between said strands.

2,241,956
WIRE DRAWING MECHANISM
Norman H. Nye, Cuyahoga Falls, Ohio, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a corporation of Ohio
Application November 18, 1939, Serial No. 305,115
10 Claims. (Cl. 205—20)

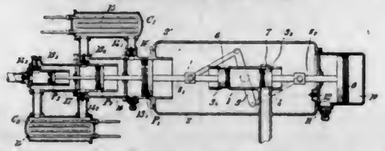
1. In wire drawing mechanism, a hollow rotatable block adapted to have wire wound thereon having passageways therein adapted to conduct

a fluid cooling stream in a prescribed tortuous path traversing the interior surface of the wire-



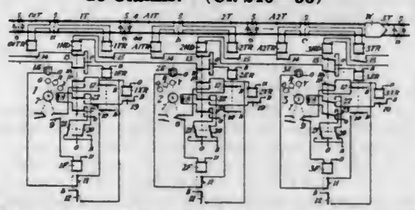
contacting portion of said block both axially and circumferentially.

2,241,957
MOTOR COMPRESSOR OF THE FREE PISTON TYPE
Raul Pateras Pescara, Paris, France, assignor of one-tenth to Societe d'Etudes et de Participations Eau, Gaz, Electricite, Energie S. A., Geneva, Switzerland, a society of Switzerland
Application July 5, 1939, Serial No. 282,906
In Luxemburg July 16, 1938
4 Claims. (Cl. 230—56)



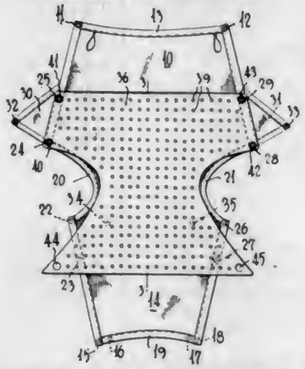
1. A motor compressor which comprises, in combination, a motor cylinder, at least two motor pistons freely movable in opposed relation in said cylinder, synchronizing means for coupling said pistons with each other, an energy accumulator coupled with one of said motor pistons only, and a multiple stage compressor system coupled entirely with the other motor piston, said compressor system including a plurality of compressor pistons and means for applying to the inactive face of at least one of said compressor pistons a pressure higher than atmospheric pressure.

2,241,958
RAILWAY SIGNALING
George R. Pflasterer, Greenville, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 16, 1939, Serial No. 262,211
13 Claims. (Cl. 246—53)



4. In combination, a stretch of railway track divided into blocks, a signal for each of said blocks comprising a signal lamp and a signal mechanism operable to various positions for cooperating with said lamp to display various indications for governing traffic movements into the associated block, means controlled by traffic conditions for operating each of said signal mechanisms to a given position for authorizing traffic movements into the associated block if the associated block is unoccupied, train responsive apparatus associated with each of said blocks, means for energizing said train responsive apparatus if the associated block is occupied, means controlled by said train responsive apparatus for operating the mechanism for each signal to a permissive position while the associated block is occupied, means controlled by traffic conditions for constantly lighting the lamp for each signal while the associated block is clear, and means controlled by said train responsive apparatus for periodically lighting the lamp for each signal while the associated block is occupied.

2,241,959
BABY PANTS AND PAD
Marjorie A. Potwin, Spartanburg, S. C.
Application October 29, 1937, Serial No. 171,797
4 Claims. (Cl. 128—288)

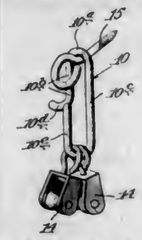


2. Baby pants comprising an impervious sheet shaped to pass through the crotch and up the front and back of the baby, fastening members at the top and along the sides of the pants, a pad of absorbent readily disposable substance shaped to correspond to the crotch portion and at least a portion of the front and back portions, and an impervious readily disposable paper cover for the pad correspondingly shaped and comprising two imperforate end members on the side of the pad against the sheet and an intermediate perforate member against the side of the pad away from the sheet and adapted to be placed in contact with the skin of the baby, the assembled pad and cover being provided with holes through which at least some of the fastening members pass to hold it in place.

2,241,960
CLAMPING DEVICE
Frank M. Powers, Chicago, Ill., assignor of one-third to Thomas C. Powers and one-third to David W. Powers
Application March 4, 1940, Serial No. 322,253
1 Claim. (Cl. 248—273)

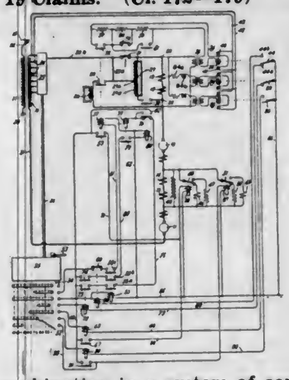
A device of the character described, including, a single piece of metal bent in the form of a staple with one leg longer than the other and the ends bent upwardly and forwardly, the shorter end

providing a rod support, and the longer end providing a hook adapted to support a pulley, and a



member in the crotch of the staple with a cam surface adapted to be turned to engage a rod to hold it on the rod support.

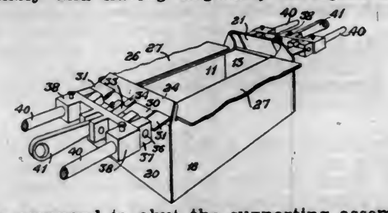
2,241,961
CONTROL SYSTEM
Franklin H. Pritchard, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application December 10, 1938, Serial No. 244,960
19 Claims. (Cl. 172—179)



1. The combination in a system of control for an alternating current electric motor provided with an armature and a series field winding, of means for supplying a variable voltage alternating current to said motor, means for shunting said field winding, and switching means for connecting said shunting means to said field winding to give reduced values of field excitation and of field winding impedance in the armature circuit of said motor and for connecting said armature and field winding to said supply means with increased values of field excitation and impedance in said armature circuit, said shunting means being arranged to reduce the impedance of said armature circuit with reduced field excitation to such an extent as to increase the motor torque to a value substantially equal to the motor torque with said increased values of field excitation and impedance in said armature circuit.

2,241,962
TURN-IN FINGER FOR BOX WRAPPING MACHINERY
Ernest G. Rider, Philadelphia, Pa., assignor to Stokes and Smith Company, Summerdale, Philadelphia, Pa., a corporation of Pennsylvania
Application February 27, 1940, Serial No. 321,000
4 Claims. (Cl. 93—54.2)

1. In turn-in fingers for box wrapping machines, a horizontally reciprocable supporting assembly, a supporting frame journalled in the assembly and having angularly divergent sur-

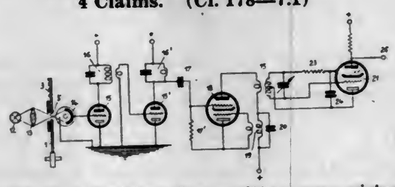


faces arranged to abut the supporting assembly in extreme oscillative position of the frame and assembly, and a turn-in finger mounted on the frame.

2,241,963
COMPOSITION FOR PREVENTING OR STOPPING LEAKS IN CONDUITS
Helman Rosenthal, Dallas, Tex., assignor to Robert B. Giles, Dallas, Tex.
No Drawing. Application January 19, 1938, Serial No. 185,786
2 Claims. (Cl. 134—17.5)

1. A composition for stopping leaks in engine radiators comprising finely divided fibrous material, resinous material, tannic material to aid suspension of said fibrous material and material to afford chromate ion.

2,241,964
SCANNING DISK WITH SYNCHRONIZATION DEVICE
Kurt Schlesinger, Paris, France
Application March 31, 1939, Serial No. 265,283
In Germany September 9, 1936
4 Claims. (Cl. 178—7.1)

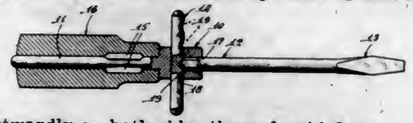


1. In a television transmitter comprising a scanning disk having a multiple spiral of *s*, at least two, turns of scanning apertures distributed at equal angles, and a rotating interceptor clearing simultaneously one turn of said spiral only, an arrangement for producing synchronizing impulses comprising a ring of synchronization slots in said disk equal in number to said apertures and also distributed at equal angles, a photoelectric device for producing an impulse by the passing of each slot, and an electric device for reducing *s* times the frequency of said impulses to the line frequency.

2,241,965
GRIP FOR HAND TOOLS
Nils P. Sjobring, Chicago, Ill.
Application February 1, 1939, Serial No. 253,953
2 Claims. (Cl. 145—65)

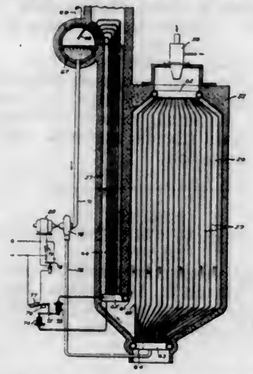
1. A grip for hand tools comprising a hub having an aperture extending transversely therethrough and a communicating axial aperture, a spindle member fixed to and extending outwardly from one end of said hub, a hand grip fixed to and supported by said spindle member, a shank member of the blade of a screw driver

or the like engaging said axial aperture in the other end of said hub and extending outwardly therefrom, and a one-part finger piece extending through said transverse aperture of said hub



outwardly on both sides thereof, said finger piece having means for interlocking engagement with said shank member for fixing said finger piece with respect to said hub.

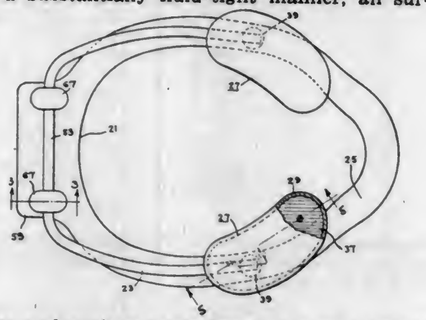
2,241,966
MERCURY BOILER
Arthur R. Smith, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 17, 1938, Serial No. 225,435
4 Claims. (Cl. 122—235)



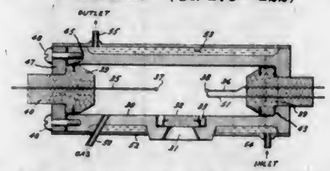
1. A mercury boiler comprising walls forming a combustion chamber and a convection chamber communicating at their lower ends, vertical down-tubes substantially completely lining the wall in the combustion chamber and vertical up-tubes connected to the lower ends of the down-tubes and lining the wall in the convection chamber, means including a pump for forcing mercury into the down-tubes, and means including a device responsive to changes of the condition of the mercury near the lower ends of the tubes for controlling the circulation of mercury to prevent evaporation of liquid in the down-tubes.

2,241,967
TOILET SEAT
Peter J. Sperzel, Minneapolis, Minn., and John Corser, Peoria, Ill., assignors to Sperzel Modern Seat Company, a corporation of Minnesota
Application November 15, 1937, Serial No. 174,576
Renewed September 21, 1939
15 Claims. (Cl. 4—237)

1. A toilet seat for resting on a toilet bowl and including a yoke of substantially U-shape, a pair of separate seat pads, of generally kidney shape, of molded composition material having a smooth and substantially unbroken outer surface secured to the ends of the yoke, hook bolts directly engaging the intermediate part of the yoke for pivotally securing the seat on a toilet bowl and nonmetallic covers for the hinge structure and adjacent parts of the yoke holdable against the top and bottom surfaces of a toilet bowl by parts of the hinge structure and cooperating with the bowl to completely enclose the entire hinge structure in a substantially fluid-tight manner, all surfaces and surface joints being of such material and construction as to easily effect a hospital-clean condition of the toilet seat.



2,241,968
LIGHT SOURCE
Chauncey G. Suits, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 21, 1939, Serial No. 280,334
3 Claims. (Cl. 176—122)

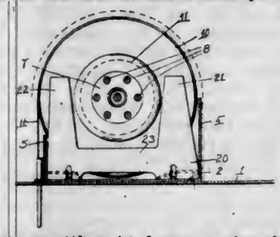


1. A light source comprising a metallic container of relatively small cross-section in relation to its length, metallic end-walls closing the extremities of said container, and having restricted openings therein, relatively massive bodies of vitreous material within the container and abutting against the said end-walls thereof, said bodies extending over substantially the entire cross-section of the container and being hermetically joined to the container, conductors extending through said end-wall openings and sealed through said bodies of vitreous material, spaced electrodes respectively supported by said conductors, an operating atmosphere for the electrodes comprising a light-producing gas at a pressure in excess of about thirty atmospheres, and a light-permeable window provided in the lateral wall of the container in position to permit passage therethrough of light generated by a discharge between said electrodes.

2,241,969
SASH BALANCE
Dewitt Tappan, Rochester, N. Y., assignor to The Caldwell Manufacturing Co., Rochester, N. Y., a corporation of New York
Application August 1, 1939, Serial No. 287,771
5 Claims. (Cl. 16—198)

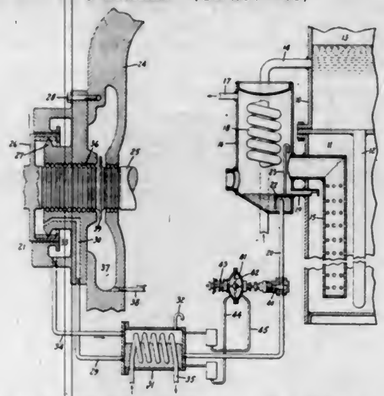
1. A spring sash balance comprising an elongated base, a supporting wall held erect on said base longitudinally thereof, a post on said wall, a drum mounted to rotate around said post spaced from said supporting wall, a friction member mounted to rock on said base and projecting between said drum and supporting wall, a flange at the bottom of said friction member

extending transversely over said base, an adjusting member passing thru said base for movement of said friction member into yielding fric-



tional contact with said drum, an involute spring mounted within said drum for movement thereof, and a flexible tape anchored to and wound on said drum for connection with a sash.

2,241,970
CONDENSER ARRANGEMENT
Edward S. Thompson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 28, 1939, Serial No. 281,560
5 Claims. (Cl. 257—28)



5. In a mercury power plant, an auxiliary condenser for receiving non-condensables and for condensing mercury entrained in the non-condensables, said auxiliary condenser having a discharge opening for mercury liquid above its bottom, a sealing baffle below the discharge opening forming a chamber with an opening below the discharge opening to effect communication between the chamber and the interior of the auxiliary condenser, and a pipe for discharging mercury liquid from said chamber.

2,241,971
MALTED MILK BEVERAGE
Martha E. Tucker, Grand Rapids, Mich., assignor to Martha Tucker Mal-Tee Corporation, Grand Rapids, Mich., a corporation of Michigan
No Drawing. Application September 22, 1938, Serial No. 231,256
4 Claims. (Cl. 99—25)

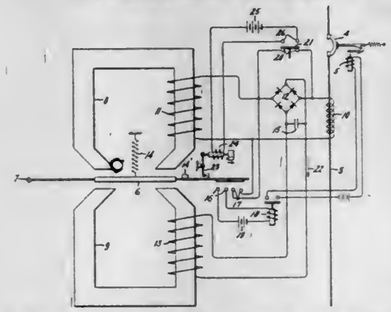
3. A malted milk beverage including malted milk, sugar, salt, a stabilizer, milk and water, the proportions of the milk and water being such that the serum solids do not exceed approximately seven and one-half per cent of the beverage and are not under approximately six and one-half per cent of the beverage.

2,241,972
STRUCTURE OF AIRCRAFT SURFACES
Herbert Wagner, Dessau, Germany, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany
Application February 4, 1938, Serial No. 188,727
In Germany February 8, 1937
3 Claims. (Cl. 244—123)



1. An aircraft wing structure comprising a hollow main box girder, said girder constituting at least one-half the wing section and extending longitudinally along a substantial portion of the wing span, said main girder comprising a plurality of integral rigid continuous wall sections each of which is in itself a small girder and constitutes more than one wall of the main box girder, and means connecting adjacent edges of the sections to each other.

2,241,973
ELECTRORESPONSIVE DEVICE
Viktor Aigner, Steglitz, and Bernhard Nerlich, Berlin-Charlottenburg, Germany, assignors to General Electric Company, a corporation of New York
Application May 15, 1940, Serial No. 335,424
In Germany March 6, 1939
12 Claims. (Cl. 175—294)

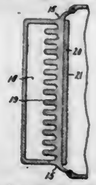


1. An electroresponsive device comprising a movable armature and means for effecting a predetermined movement of the armature near a predetermined point of the wave of an alternating electric quantity comprising means for exerting two opposing magnetic effects on said armature respectively dependent on an alternating current and a direct current derived from said alternating electric quantity and having a predetermined fixed magnitude relation to each other.

2,241,974
HIGH POWER CATHODE RAY DEVICE
James T. Anderson and Dennis Gabor, Rugby, Henry W. H. Warren, Coventry, and Robert S. Wells, Rugby, England, assignors to General Electric Company, a corporation of New York
Application April 3, 1939, Serial No. 265,812
In Great Britain April 5, 1938
4 Claims. (Cl. 250—164)

2. The combination with means for producing a beam of electrons and a luminescent film to be excited by said beam, said film being sufficiently thin to be completely penetrable by most of said electrons, of means for protecting said film from

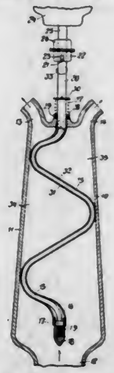
heat developed by said beam comprising a layer of conductive material comprising an element of the group including beryllium, aluminum, and magnesium, said layer having a thickness sufficient with respect to the average velocity of electrons in said beam to stop substantially all of said electrons after passage through said film



within said layer in a zone adjacent the surface of said layer remote from said film, whereby the energy of said beam appears in said zone as heat, and heat dissipating means in intimate heat conducting relation with said layer adjacent to said zone for rapidly removing said heat from said layer, so that the temperature of said film is maintained low with respect to said zone.

2,241,975
ELASTIC FLUID ENGINE
Carl Wilhelm Henrik Dücker Bennet, Stockholm, Sweden, assignor to Louise Gunnila Violet Bennet, Runeborg Stocksund, Sweden
Original application June 20, 1939, Serial No. 280,193. Divided and this application April 26, 1940, Serial No. 331,865. In Germany July 2, 1938

8 Claims. (Cl. 103—149)

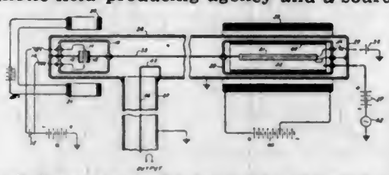


1. An elastic fluid engine comprising a casing having fluid inlet and outlet openings, a flexible member in said casing arranged to perform a uni-directional wave-like movement, a working chamber confined by said casing and said member and arranged upon movement of said member to be displaced longitudinally of said casing, and a movable part in power transmitting relationship to said member, the volume of said working chamber being gradually reduced at least throughout part of the length of said casing.

2,241,976
HIGH FREQUENCY APPARATUS
John P. Blewett, Scotia, and Simon Ramo, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application April 25, 1940, Serial No. 331,562

7 Claims. (Cl. 179—171.5)

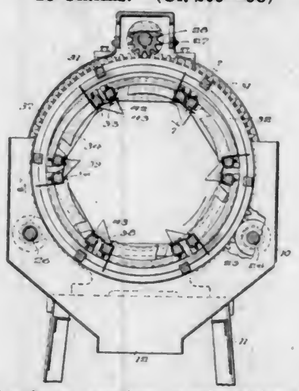
1. In an ultra-high frequency system, a source of high frequency electromagnetic waves, a structure for propagating waves derived from said source and having wave-propagating characteristics which are fixed mainly by the distributed constants of its component parts, an evacuated electronic device forming part of the said structure and having spaced electrodes the distributed constants of which determine to a significant degree the wave-propagating characteristics of the structure, means including a magnetic field-producing agency and a source of



potential connected between the electrodes for maintaining in the space between them a rotating space charge which affects the distributed capacitance of the electrodes by its presence without producing appreciable current flow between the electrodes, the said space charge being variable in response to variations of the magnetic field and of the said potential, and means for controllably varying one of the last-named quantities in order correspondingly to modify the wave-propagating characteristics of the structure.

2,241,977
BEAN GRADER
Benjamin I. Buck, Baltimore, Md.
Application November 30, 1938, Serial No. 243,242

18 Claims. (Cl. 209—98)

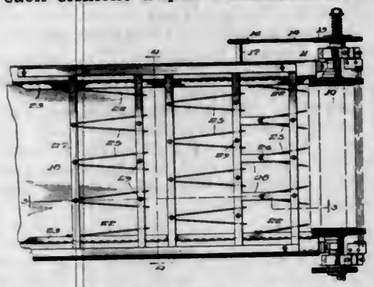


1. In a bean grader, a plurality of axially spaced ring-like members, the alternate members being of sectional construction, means for rotating said members, and means for moving successive sections of each of said alternate members to shift the same inwardly and outwardly with respect to the remaining members.

2,241,978
CONVEYER MECHANISM
Benjamin Irven Buck, Baltimore, Md.
Original application December 12, 1938, Serial No. 245,287, now Patent No. 2,221,699, dated November 12, 1940. Divided and this application December 20, 1939, Serial No. 310,258

7 Claims. (Cl. 198—30)

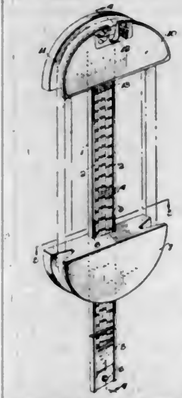
1. In a conveyer mechanism, an endless traveling conveyer on which articles are adapted to be deposited, means for arranging said articles lengthwise of the conveyer, said means comprising elongated article-engaging elements arranged in spaced relation transversely of the conveyer with each element disposed substantially longi-



tudinally of the conveyer and with an unobstructed passage for the articles between each two elements, said elements having plane surfaces engageable by said articles and said elements being free to oscillate transversely of the conveyer to enlarge the passage between them.

2,241,979
POWER BELT MEASURING DEVICE
Richard Y. Case, Philadelphia, Pa., assignor to L. H. Gilmer Co., Tacony, Philadelphia, Pa., a corporation of New Jersey
Application October 3, 1939, Serial No. 297,746

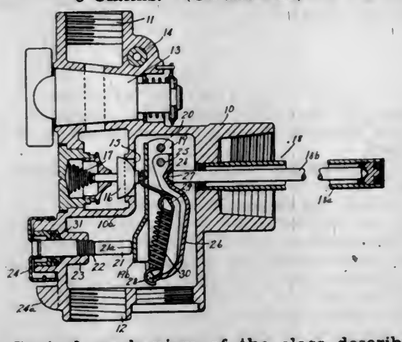
3 Claims. (Cl. 33—125)



1. A device for determining the top width and outside length of a V-belt suitable for use with a set of pulleys comprising a scale member bearing a plurality of parallel belt length indicating scales each comprising a width indicating heading and a column of length indicating numerals arranged in successive order under such heading, the numerals in the columns being similar in character but varying in their positions in the columns according to length variations in proportion to width variations in V-belts of different sizes, a head fixed to the scale member adjacent the headed ends of the columns and having a partly circular outer surface provided with a V-shaped groove to receive one end of the belt, one of the walls of said groove being provided with an observation opening to expose a portion of the belt seated in the groove and having designations alongside said opening for indicating the width of the outer periphery of the belt according to the depth to which the belt seats in the groove, said indications conforming with those at the heads of the length indicating columns of the scale member, and a movable indicating member similar to the head having a partly circular outer surface provided with a V-shaped groove to receive the other end of the belt, said member being movable on the scale member toward and from the head and having a surface for indicating cooperation with the columns of length indicating numerals on the scale member.

2,241,980
THERMOSTATIC CONTROL MECHANISM
Joseph A. Cerny, Cleveland, Ohio, assignor to The Titan Valve and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 13, 1937, Serial No. 174,306

5 Claims. (Cl. 236—48)



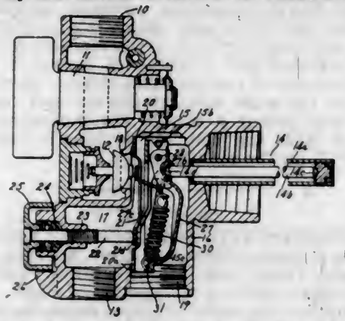
1. Control mechanism of the class described, comprising the combination with a casing, of a control member, a thermostat, and snap acting operating mechanism connecting said member and thermostat, including three levers supported in said casing and lying generally parallel with each other, one lever forming a support and being fulcrumed near one end to enable it to be set in various positions, a second lever being actuated by the thermostat and being fulcrumed to the support lever at a point spaced lengthwise of the support lever from its fulcrum, said first and second levers extending in the same direction from their respective fulcrums, a third lever being arranged to operate the control member and being fulcrumed on the free end of the first lever and extending toward the first lever fulcrum, and a tension spring connecting the free ends of said second and third levers.

2,241,981
THERMOSTATIC CONTROL MECHANISM
Joseph A. Cerny, Cleveland, Ohio, assignor to The Titan Valve and Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 9, 1937, Serial No. 178,927

6 Claims. (Cl. 236—48)

1. In control mechanism of the class described, a control member, a thermostat, a casing, a frame removably mounted within said casing, a lever fulcrumed upon said frame at one point, a support arm fulcrumed upon said frame at another point spaced from said first point, a thermostat lever fulcrumed on said arm, said levers extending in opposite directions from their respective fulcrums and being operatively associated with said member and said thermostat respectively, a tension spring connected between the free ends of said levers, and the arrange-

ment of the parts being such that said spring is carried by movement of said thermostat lever to

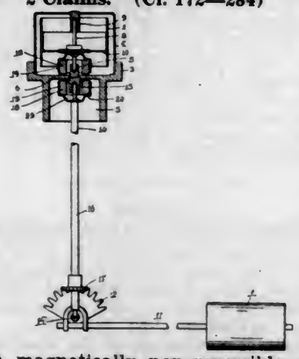


opposite sides of the fulcrum of said control member lever.

2,241,982
CONGELATION DEPRESSOR
Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application April 19, 1940, Serial No. 330,625
5 Claims. (Cl. 252—78)

1. An inhibitor for crystal formation at low temperatures for use in chlorinated aromatic hydrocarbons consisting of a mixture of isomers of tetrachlorbenzene which includes about 1 to 13 per cent of 1,2,4,5 isomer and a quantity up to 10 per cent of pentachlorbenzene not exceeding the quantity of 1,2,4,5 isomer and equal at least to about one-half of said 1,2,4,5 isomer.

2,241,983
MAGNETIC DRIVING MECHANISM
William B. Connolly, Rochester, N. Y., assignor to Rochester Manufacturing Company, Rochester, N. Y.
Application November 17, 1937, Serial No. 175,081
2 Claims. (Cl. 172—284)



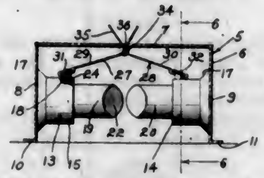
1. In a magnetically non-reversible coupling for gauges etc. the combination of two like, ring shaped permanent magnets of substantially equal mass, equal magnetic strength and uniform polarity, magnetic poles arranged diametrically on opposing faces of said magnets, an imperforate wall between said permanent magnets, a stem adapted to oscillate on each side of said wall in line with each other, and supporting means carried by each of said stems for pivotally and spacedly supporting said magnets magnetically coupled thru said non-magnetic wall axially in line with each other and with the inner periphery of the magnets radially spaced from said stems.

2,241,984
GLASS WASHING COMPOSITION
William C. Cooper, Waukesha, Wis., assignor to George J. Meyer Manufacturing Company, Cudahy, Wis., a corporation of Wisconsin
No Drawing. Application January 5, 1940, Serial No. 312,573
6 Claims. (Cl. 252—156)

1. A glass washing solution comprising the following ingredients in substantially the indicated proportions by weight:

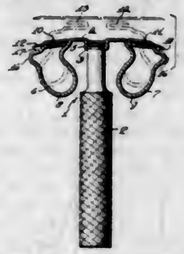
	Per cent
Caustic soda	2½ to 6
Water-soluble alkaline aluminate	¼ to 1
Water	93 to 97

2,241,985
LATCH
Alexander Datkin, Westbury, N. Y.
Application September 29, 1939, Serial No. 297,167
2 Claims. (Cl. 292—4)



1. In a latch, keeper mechanism including a housing, means adjustably mounting the housing on a window sill, supporting sleeves mounted on the housing, keeper plungers mounted within the supporting sleeves for sliding movement therein, coiled springs mounted within the supporting sleeves and normally urging the plungers toward each other, said plungers having beveled end faces, cooperating levers carried by the housing, said levers having corresponding portions pivotally connected with each other and the housing and having means engageable with the plungers, said levers also having manually engageable portions shiftable toward each other for shifting the plungers and freeing a latch member from engagement with said plungers.

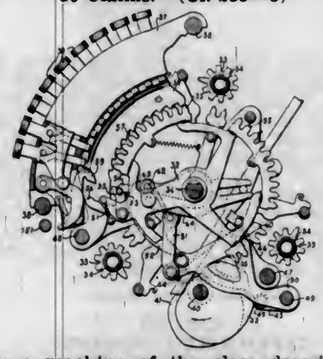
2,241,986
SAFETY RAZOR
Oscar M. Driess, Horace H. Seay, and Elmore J. Eckerle, Louisville, Ky.
Application May 23, 1940, Serial No. 336,868
8 Claims. (Cl. 30—41)



1. In a razor, a frame comprising a handle and a resilient trough-shaped head to which said

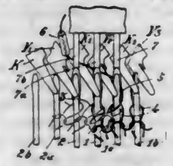
handle is secured, the opposite sides of said head having substantial portions adjacent their free ends deflected inwardly, and having the marginal portions adjacent their free ends deflected outwardly to form narrow blade seating channels, normally biased outwardly relative to one another for coacting with the opposite slot sides of a slotted blade seated in said channels.

2,241,987
CASH REGISTER
Willis E. Eickman, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application April 16, 1938, Serial No. 202,375
10 Claims. (Cl. 235—8)



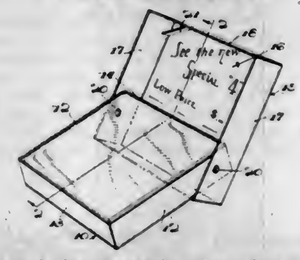
1. In a machine of the class described, the combination of a totalizer element; a differentially movable actuator to reset said totalizer element to zero; a driver for said actuator; a latch carried by said actuator and normally engaged with said driver to form a driving connection between the driver and said actuator; a two-armed element adapted through one of its arms to disengage said latch from the driver to differentially position the actuator; and means connected to the other arm of said element and adapted to coact with said totalizer element when the latter reaches zero to operate said two-armed element.

2,241,988
MANUFACTURE OF KNITTED GOODS ON THE STRAIGHT BAR KNITTING MACHINE
Erich Eissner, Siegmar-Schonau, and Fritz Pester, Lichtenstein-Callenberg, Germany, assignors to Kalio, Inc., New York, N. Y., a corporation of New York
Application March 14, 1939, Serial No. 261,818
In Germany March 15, 1938
6 Claims. (Cl. 66—96)



1. In a knitting machine, knitting instrumentalities including a needle series, jack and dividing sinkers, a yarn carrier and loop lifting points arranged to shift certain of the loops of the fabric and transfer the same to adjacent needles whereby the yarn between the carrier tube and the fabric is lengthened, said knitting instrumentalities being constructed and arranged to cause the yarn extending between the carrier tube and the fabric to shorten its length to normal prior to the next Coulier action of the sinkers.

2,241,989
DISPLAY BOX
Charles F. Friedrich and Harry P. Wareham, Jr., Rochester, N. Y., assignors to E. E. Fairchild Corporation, Rochester, N. Y., a corporation of New York
Application May 26, 1939, Serial No. 276,018
1 Claim. (Cl. 206—44)

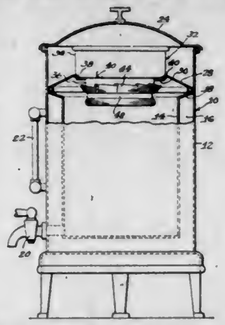


A box of the character described comprising a body having upstanding walls, a cover having depending walls to surround the walls of the body in telescoping relation in closed position, pivot members extending through the adjacent side walls of the body and cover at the rear portion of the box, said body and cover being each of substantial depth and said pivot members being aligned transversely of the box and disposed at points spaced from the rear wall of the cover a slightly greater distance than from the rear wall of the body and also spaced from the bottom of the body a substantially greater distance than from the lower edge of the cover, the pivot members forming a fixed pivotal connection between the body and the cover and the cover being carried by a single arcuate movement only into a body supporting position with its top and rear in engagement with the bottom of the body and said pivot members elevating the rear portion of the cover with respect to the body when the cover is in its closed position and a filler strip lining the interior of the front portion of the cover at the top thereof and arranged to rest upon the upper edge of the body for elevating the front portion of the cover and cooperating with the pivot members in maintaining the cover and the body in parallel relation.

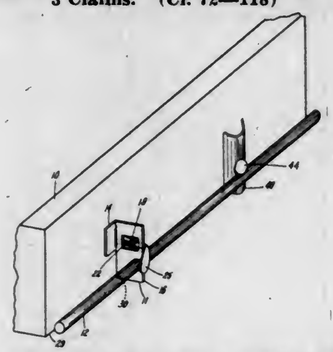
2,241,990
COMMERCIAL COFFEE URN
Richard S. Gehlert, Sr., and Richard S. Gehlert, Jr., Detroit, Mich., assignors to R. S. Gehlert & Co., Detroit, Mich., a corporation of Michigan
Application July 18, 1938, Serial No. 219,814
1 Claim. (Cl. 53—3)

A coffee-making apparatus comprising, a vertically disposed storage tank having outer and inner walls concentrically arranged with respect to each other for defining an annular heating chamber therebetween and inter-joined by a transverse wall for isolating said chamber from the chamber defined by and within said inner wall, an annular supporting plate removably supported at its outer periphery on said transverse wall and formed around its inner periphery with an annular, depressed seat, an open-ended container having an upper cylindrical wall with a diameter slightly greater than the inner diam-

eter of said seat, a middle cylindrical wall integral with said upper wall and having a diameter slightly less than said seat diameter, a lower cylindrical wall integral with said middle wall and having a diameter slightly less than said middle wall diameter and an annular rib at the base of said lower wall and extending radially outwardly from the latter, a section of filtering material fitted over the lower end of said container in overlapping engagement with said rib and said lower wall, an annular clamping member arranged about said material on said lower wall above said rib for removably holding said material in place over said lower end, and a plurality of annularly spaced protuberances on the base of said upper wall and engageable with said seat for supporting said container on said plate with the wall portions between said protuberances spaced from said seat.



2,241,991
FURRING MOUNTING FOR METAL LATH
William M. Goldsmith, Cincinnati, Ohio
Application January 23, 1939, Serial No. 252,314
3 Claims. (Cl. 72—118)



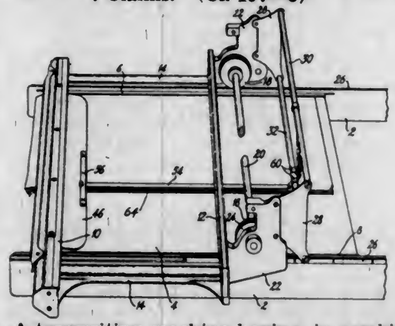
1. In a device of the class described the combination of a chair member having a top edge and a nail shank receiving pocket so related to said top edge that a headed nail having its shank extended through the pocket will dispose the head of the nail upon or immediately over and adjacent said top edge of the chair, said chair having a rod or furring receiving pocket formed in its top edge at a place remote from any nail shank associated with said nail shank receiving pocket, said second mentioned pocket being disposed intermediate the lateral edges of the top edge of the chair member and spaced by a portion of said chair top edge from any nail shank associated with the chair, and a nail having an elongated head extending laterally from its shank and adapted to have the free end of said elongated nail head extending beyond the portion of the top edge of the chair spacing the pocket in said top edge from the nail shank and projecting over said pocket for securing a furring bar or the like in said last referred to pocket.

2,241,992
STOP HINGE
John Rollin Hall, Meriden, Conn.
Application May 11, 1940, Serial No. 334,606
2 Claims. (Cl. 16—191)



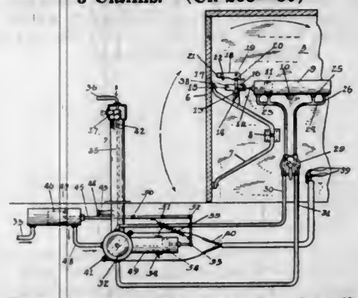
1. In a stop hinge, a hinge butt having a pair of flat leaves pivotally secured together by a hinge pin, a stop plate coextensive in width with said leaves secured to one leaf thereof and having a reduced tapered lip portion spaced from said hinge pin and inclined from said leaf for engaging the other leaf of said butt to limit the relative opening movement of said leaves and screw means to secure said butts to the lid and body, respectively, of a box, one of the said screw means also passing through said stop plate for holding it in operating position.

2,241,993
TYPEWRITING MACHINE
Irvin G. Hammer, Washington, D. C., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 27, 1938, Serial No. 247,883
7 Claims. (Cl. 197—3)



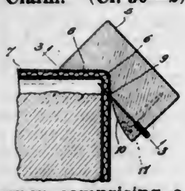
1. A typewriting machine having, in combination, a platen frame, a substantially flat platen mounted for vertical movement on said frame, a line space frame supported for forward and rearward movement over the platen, a type carriage carried by the line space frame for movement therewith and also movable laterally with relation to said frame over the platen, a work sheet holding strip mounted on the line space frame for forward and rearward movement therewith and extending forwardly and rearwardly over the platen in the direction of movement of said frame for holding down below the lower part of the type carriage a lateral margin of a work sheet placed on the platen and means movably mounted on the line space frame and having a part thereof movable vertically with relation to said frame for supporting the forward end of said strip for vertical yielding movement relatively to said frame.

2,241,994
DOOR OPENING DEVICE
Thomas O. Haynes, Dana Point, Calif.
Application March 2, 1939, Serial No. 259,473
3 Claims. (Cl. 268—30)



1. In a device of the character described, the combination with a building having a swinging door, a cylinder pivoted to the building adjacent the door, a double acting piston in said cylinder, a piston rod having a pivoted link connection with the door, a fluid supply for each end of the cylinder, a valve within the building and controlling said fluid supply, a valve on the outside of the building for controlling the fluid supply to the cylinder, and auxiliary means within the building for operating the valve on the outside of the building, whereby the outside valve may be set in a position to allow the opening or closing of the door from within the building.

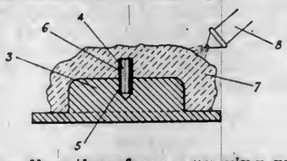
2,241,995
TOOL FOR OPENING CARDBOARD CARTONS AND OTHER CONTAINERS
Charles H. Holmes, Russell Springs, Ky., assignor of two-thirds to Stanley R. McClure and one-third to William T. Robinson, both of Russell Springs, Ky.
Application November 8, 1938, Serial No. 239,554
1 Claim. (Cl. 30—2)



A carton opener comprising a body portion having a flat face for contact with the top of a carton and provided with a curved face for engagement with a side wall thereof, a clamping strip detachably secured to the body portion and having a curved surface conforming to and forming a continuation of the curved face of said body portion, a cutting blade interposed between the clamping strip and body portion and having its cutting edge projecting through the curved face of the body portion and disposed at an angle to the flat face thereof, and fastening devices extending through the clamping strip and into the body portion for holding the cutting blade against accidental displacement.

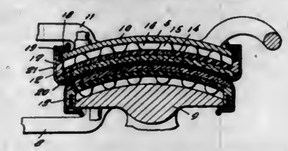
2,241,996
MOLD
Herbert S. Ingham, Jamaica, N. Y., assignor to Metallizing Engineering Company, Inc., Long Island City, N. Y., a corporation of New Jersey
Application January 31, 1940, Serial No. 316,581
1 Claim. (Cl. 22—190)

Method of making a spray metal mold having at least one relatively narrow and deep projection as an integral part of the mold surface, which comprises placing into a relatively narrow and deep crevice on a master surface, which crevice substantially corresponds in configuration to the relatively narrow and deep mold projections desired to be obtained, a substantially rigid insert in part substantially fitting said crevice and in



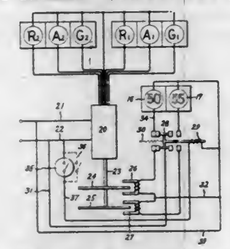
part protruding therefrom, spraying metal onto the insert fitted master until a spray metal shell has formed thereon and removing said shell and imbedded insert to recover a spray metal mold having said insert anchored in said shell and extending to the mold surface to form a relatively narrow and deep projection thereon as an integral constituent part of said mold surface.

2,241,997
STEAM PRESS HEAD
William Guy Ivey, Sr., Amarillo, Tex.
Application January 10, 1940, Serial No. 313,277
1 Claim. (Cl. 38—36)



In a steam garment press, a pivoted upper press member and a stationary lower press buck and removable heads for the upper member and the buck, each of said heads comprising a perforated plate, spacing members on the plate to provide a steam chamber back of the plate, a pad carried by the outer face of the plate, angular flanges at the side and end edges of the plate and defining walls for the head positioned outwardly of the upper press member and the lower press buck and an attaching strip secured to said flanges, the strips of the respective plates overlying the adjacent edges of the press member and the buck.

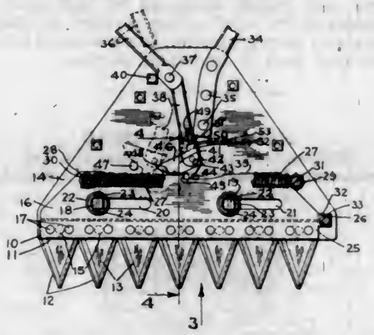
2,241,998
TRAFFIC SIGNALING SYSTEM
Tadashi Iwasaki and Fukuma Tsuji, Tokyo, Japan, assignors to General Electric Company, a corporation of New York
Application April 21, 1937, Serial No. 138,242
In Japan May 29, 1936
4 Claims. (Cl. 177—337)



1. In a traffic signaling system, the combina-

tion of a group of controllers arranged at successive street intersections to control respectively groups of traffic signals, means in each controller for affecting the operation of said controller to operate its group of signals at any one of a plurality of cycle lengths, signaling means associated with said groups of traffic signals respectively, and means controlled in response to a change of cycle length at each controller to operate said signaling means to indicate to traffic a speed of progression between the said groups of traffic signals corresponding to said cycle lengths respectively.

2,241,999
HEDGE TRIMMER
Michael Kaminsky, New Britain, Conn.
Application February 6, 1939, Serial No. 254,914
12 Claims. (Cl. 30—213)



3. In a hedge trimmer, a base plate having a handle fixed thereto, a handle lever pivoted to said base plate, a fixed cutter bar mounted on one edge of said base plate, a movable cutter bar initially operatively connected to said handle lever, spring means connected to said base plate and to said movable cutter bar for opposing the movement of said cutter bar in one direction, and means pivoted to said handle lever to suddenly disconnect said handle lever from said movable cutter bar when said lever has been swung a predetermined amount to cause said spring to automatically return said movable cutter bar to its original position with a snap action.

2,242,000
CIGARETTE MAKING DEVICE
Clarence E. Karst, Cincinnati, Ohio, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
Application June 6, 1939, Serial No. 277,669
2 Claims. (Cl. 131—51)



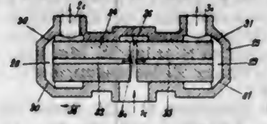
1. A sheet metal casing providing opposing side walls and a rod, the rod being supported in the side walls and engaged through an aperture in each of the walls, one end of the rod being bent to provide a head of a form to interlock with an adjoining side wall, and the wall being slotted to receive a section of the head therethrough for bringing the head into straddling connection with the wall.

2,242,001
WOUND PACKAGE AND METHOD OF MAKING THE SAME
Frederick J. Kent, Glen Rock, N. J., and George H. Seelig, Lansdale, Pa.; said Kent assignor, by mesne assignments, to said George H. Seelig
Application October 26, 1939, Serial No. 301,414
8 Claims. (Cl. 242—160)



1. The hereindescribed yarn package including a core and a yarn mass consisting of yarn traverse-wound in layers on the core, two layers of such mass having winding pitches which gradually increase in the same axial direction but one having a winding pitch which increases in said direction at a different rate from that at which the winding pitch of the other layer increases, and the relatively outer layer being the longer.

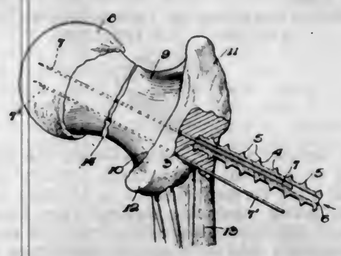
2,242,002
CONTROL DEVICE
Friedrich Klein, Dessau, Germany, assignor to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany, a corporation of Germany
Application October 10, 1938, Serial No. 234,258
8 Claims. (Cl. 137—166)



1. A control device for regulating the flow of liquid under pressure comprising a cylinder having a chamber formed at each extremity, a piston in the cylinder extending into said chambers, the walls of the latter being so formed that movement of the piston varies the size of annular ports formed around said piston intermediately of the length of the chambers, means through which liquid at equal pressure is admitted into each chamber on one side of its annular port, and a pipe extending from each chamber on the other side of its annular port through which the liquid from one chamber flows whereby increased resistance encountered by the liquid flowing through one pipe increases the pressure in the chamber through which that liquid flowed thereby increasing the pressure against the extremity of the piston in that chamber, said increased pressure being adapted to move the piston to increase the size of the port in that chamber and to correspondingly decrease the port in the other chamber.

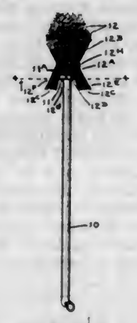
2,242,003
METHOD AND APPARATUS FOR REDUCTION OF FRACTURE OF FEMUR
Frank A. Lorenzo, Punxsutawney, Pa.
Application June 13, 1940, Serial No. 340,384
4 Claims. (Cl. 128—92)

2. A lag screw for use in the reduction and immobilization of fracture of the femur comprising a body portion having a passage longitudinally thereof, said body being formed with a head member and a reduced end portion, a plurality of relatively deep threads formed in the body between the head and end portion the distance between threads being ⅛ of an inch, said threads having thin sharp crests.



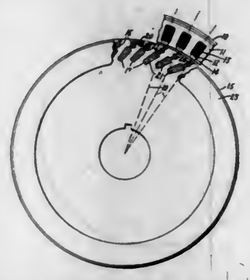
4. The method of reducing fracture of the neck of a femur comprising positioning the bone elements adjacent the fracture in correct anatomical relationship, forming a passage through the upper shaft portion axially of the neck and terminating in the head portion, forming a second passage through said bone elements substantially parallel to said first mentioned passage, inserting into said passages rigid elements, the elements cooperating to prevent a relative rotation of the head with respect to the neck, increasing the diameter of the passage formed axially of the neck while the rigid element is seated therein, inserting a cannulated screw having relatively deep threads formed with thin sharp crests into the first passabe concentric therewith and in telescopic relationship with the rigid element to affix the head to the neck and thereafterwards withdrawing said rigid elements.

2,242,004
COMBINATION BOWL AND RIM BRUSH
Frank J. Kapinos, New Haven, Conn., assignor to the firm of Moran Brothers, New Haven, Conn., a partnership composed of George F. Moran and Michael A. Moran
Application May 15, 1940, Serial No. 335,212
3 Claims. (Cl. 15—160)



1. A combination bowl and rim brush comprising a handle; multiple layers of overlapping bristles bound adjacent one end of the handle, the bristles extremities of said layers extending forwardly over the end of the handle to provide the bowl cleaning portion of the brush; and an outer layer of multiple relatively spaced clusters of bristles bound to the handle adjacent said end, the bristles extremities of said clusters extending rearwardly away from said end to provide spaced tufts of the rim cleaning portion of the brush.

2,242,005
DYNAMOELECTRIC MACHINE
Charles C. Leader, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 25, 1939, Serial No. 301,198
9 Claims. (Cl. 172—120)



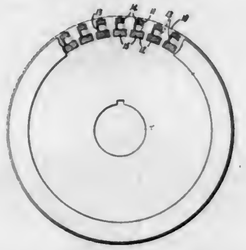
1. A dynamoelectric machine having a stationary member and a rotatable member, said stationary member including an element of magnetic material formed with winding slots therein, a winding in said winding slots, said rotatable member including an element of magnetic material having winding slots formed therein as multiple section conductor slots with inner and outer conductor sections with a section intermediate said inner and outer conductor sections having a magnetic reluctance lower than the magnetic reluctance of said inner and outer slot sections, each of said slots being arranged to extend obliquely inwardly to span an arc of a plurality of said stationary member core slots, a winding having conductors in said slots arranged to conform to the respective sections thereof, and means for connecting together said conductors to complete said winding.

2,242,006
DYNAMOELECTRIC MACHINE
Charles C. Leader, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 25, 1939, Serial No. 301,199
12 Claims. (Cl. 172—120)



1. A member for a dynamoelectric machine having an element of magnetic material with winding slots formed therein, a winding in said slots including conductors each formed as a single conductor winding section of relatively low inductance through a part of said slots and as a conductor section having a multiple inductance through another part of said slots, each of said single conductor sections being electrically connected in series with one of said multiple inductance conductor sections, said multiple inductance section part including an inner relatively low inductance section and an outer section of relatively higher inductance than said inner section, and means for connecting together said conductor sections to form a complete winding.

2,242,007
DYNAMOELECTRIC MACHINE
Charles C. Leader, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 25, 1939, Serial No. 301,200
19 Claims. (Cl. 172—120)



1. A member for a dynamoelectric machine including an element of magnetic material with winding slots formed as multiple section conductor slots having a relatively small outer conductor slot section and a relatively large inner conductor slot section with a relatively narrow slot section connecting together said inner and outer slot sections, said slots providing continuous inner and outer conductor slot sections longitudinally through said element, means for substantially interrupting the continuity longitudinally through said element of said relatively narrow slot connecting section of each slot, a winding having conductors in said slots arranged to conform to the respective sections thereof, and means for connecting together said conductors to complete said winding.

2,242,008
DYNAMOELECTRIC MACHINE
Charles C. Leader, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 25, 1939, Serial No. 301,201
11 Claims. (Cl. 172—120)



1. A member for a dynamoelectric machine including a core, said core having laminations with winding slots formed as multiple section conductor slots having a relatively small outer conductor section and a relatively large inner conductor section, other laminations having only relatively large inner conductor section slots corresponding substantially to said inner slot sections of said first-mentioned laminations, said laminations being arranged to provide continuous inner conductor slot sections longitudinally through said core, means including said other laminations arranged between said first-mentioned laminations for interrupting the continuity longitudinally through said core of said outer slot section of each slot, a winding having conductors in said slots arranged to conform to the respective sections thereof, and means for connecting together said conductors to complete said winding.

2,242,009
DYNAMOELECTRIC MACHINE
Charles C. Leader, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 29, 1939, Serial No. 311,533
4 Claims. (Cl. 172—120)



1. A member for a dynamoelectric machine including an element of magnetic material having winding slots formed therein, a winding in said slots including conductor sections extending substantially continuously longitudinally of said element through said slots and interruptions in the longitudinal continuity of a section of said conductors intermediate the radially inner and outer sections thereof, and means for connecting together said conductors to complete said winding.

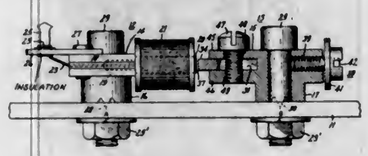
2,242,010
DYNAMOELECTRIC MACHINE
Campbell Macmillan, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application October 25, 1939, Serial No. 301,207
2 Claims. (Cl. 172—120)



1. A member for a dynamoelectric machine having a core comprising laminations provided with winding slots formed therein, a winding in said slots including conductors formed as a single relatively low resistance conductor winding section through said slots in a group of said laminations and as a multiple resistance conductor winding through said slots in another group of said laminations, said slots of said group of laminations having multiple resistance conductor slots including an inner relatively low resistance portion and an outer portion of relatively higher resistance than said inner portion, said latter group of laminations including laminations wherein the slots are formed with the inner and outer portions substantially in radial alignment and other laminations wherein each of said inner and outer conductor sections of each slot is displaced out of radial alignment, means for electrically connecting together said conductors in certain of said lamination groups intermediate said groups, and means for electrically connecting together the ends of said conductors to form a complete winding.

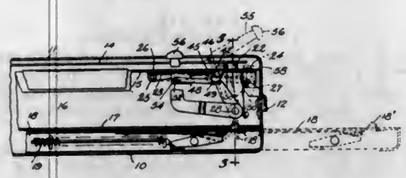
2,242,011
STRAIN GAUGE
Sture J. Malmberg, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 1, 1940, Serial No. 316,777
5 Claims. (Cl. 177—351)

1. In a gauge for measuring the strain in a body under load or stress conditions, a pair of relatively movable members, one of said members comprising a body portion and a first foot or supporting member, said body portion and said foot being arranged in relatively fixed relation, means for securing said body portion and said foot to the body under observation, the other of said movable members comprising a frame and a second foot or supporting member arranged in relatively fixed relation, means for securing said frame and said second foot to the body under observation and in spaced relation to said body portion and said first foot, said body portion and said frame having portions extending toward each other, and said frame including a channel or groove having parallel portions in spaced relation, a magnetic circuit including relatively mov-



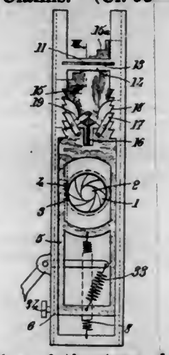
able portions extending toward each other, one of said magnetic portions including magnetic cores secured to said body portion, the other of said magnetic portions including a magnetic armature member arranged to cooperate with said magnetic cores and forming an air gap therewith adapted to be varied in accordance with the strain in the body under observation, said armature member having portions arranged in said channel, and a current conducting winding associated with and adapted to produce magnetic flux in said magnetic circuit.

2,242,012
RECORD STRIP CONTROL FOR AUTOGRAPHIC REGISTERS
Charles J. Manuel and Walter E. Gochnauer, Dover, N. H., assignors to American Sales Book Company, Inc., Niagara Falls, N. Y., a corporation of Delaware
Application June 2, 1939, Serial No. 277,070
11 Claims. (Cl. 282—21)



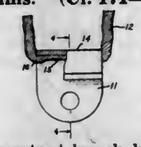
5. In a machine of the character described, in combination, a strip controlling pin for entering strip apertures and mounted for movement to and from aperture engaging position, a strip advancing member separate from said pin and mounted for strip advancing movement, unitary operating means having a one-way operating connection with said pin to withdraw it from aperture engagement, yielding means for positioning said pin independently of said operating means into yielding engagement with the strip in aperture engaging position after the strip has been advanced, said operating means also having a lost motion operating connection with said strip advancing member for initiating strip advancement following withdrawal of said pin, by said operating means and a longitudinally reciprocating carriage for supporting said strip advancing member in its strip advancing movements.

2,242,013
PHOTOGRAPHIC OR CINEMATOGRAPHIC CAMERA OR THE LIKE
Alphonse Martin, Saint-Ouen, France
Application October 11, 1938, Serial No. 234,476
In Luxemburg March 26, 1938
21 Claims. (Cl. 95—10)



13. In a device of the type described, a fixed frame, a member movable in response to variations in a function, a movable control element, and means cooperating with said control element and member and operated by movement of the control element for locking the control element against movement with respect to the frame in one direction when the control element reaches a position corresponding to the position of the member, said locking means including a part carried by the frame and a second part operatively connected to said control element adapted to engage the first part independently of said member.

2,242,014
ELECTRIC CONTACT BRUSH AND CONNECTOR
Kenneth G. Martin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 20, 1939, Serial No. 251,989
9 Claims. (Cl. 171—326)

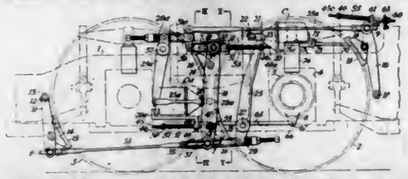


1. An electric contact brush having a terminal clip secured thereto, and a flexible electrical conductor arranged in contact with and secured to said clip by a spot weld for a length thereof less than the width of said clip.

2,242,015
BRAKE MECHANISM
Emil G. Mueller, Swissvale, Pa., assignor to The American Brake Company, Swissvale, Pa., a corporation of Missouri
Application March 29, 1940, Serial No. 326,710
2 Claims. (Cl. 188—46)

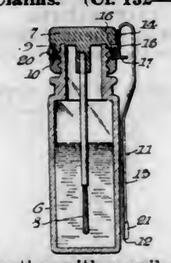
1. In a brake mechanism for vehicles having a frame supported by at least two closely spaced wheel and axle assemblies one of which is arranged for lateral movement with respect to said frame, a first brake beam slidably supported between said wheel and axle assemblies some distance above their axes for movement between brake applying and brake releasing positions, two levers pivotally supported at their upper ends on the opposite ends of said first brake beam and

disposed outside of the plane of the wheels at their contiguous portions, a second brake beam supported by the lower ends of said levers and movable in directions opposite to said first beam between brake applying and brake releasing positions, a tie rod connecting said levers adjacent their lower ends, brake heads carrying brake shoes for cooperation with the wheels of the laterally movable wheel and axle assembly secured to said levers by means of said tie rod, said levers being free to move laterally at their lower ends through a sufficient distance to permit said shoes to follow the lateral movements of the wheels of



said laterally movable wheel and axle assembly, other shoes secured to said levers adjacent their upper ends for cooperation with the wheels of the other closely spaced wheel and axle assembly, separate means connected with said brake beams for moving them between their brake applying and brake releasing positions, and means for moving said tie bar laterally in response to lateral movements of said laterally movable wheel and axle assembly for causing the brake shoes which cooperate with the laterally movable wheels thereof to remain at all times in lateral alignment with the wheels.

2,242,016
NAIL POLISH BRUSH GUIDE
Ansel McKinney, Jr., El Paso, Tex.
Application November 7, 1940, Serial No. 364,733
9 Claims. (Cl. 132—73.5)

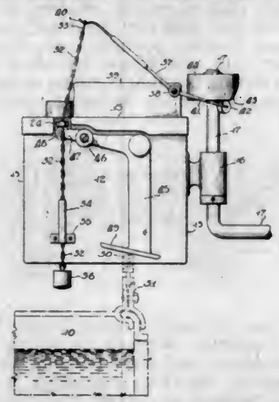


1. In combination with a nail polish bottle having a cap, and a brush carried by said cap and normally confined within the bottle; a guide member for use when applying polish with said brush, said guide member being normally disposed at the exterior of said bottle, and means connecting said guide member with said cap and permitting movement of said guide member into cooperative relation with said brush when said cap is removed from the bottle.

2,242,017
HIGHER ALCOHOLS
Wilhelm Normann, Chemnitz, Germany, assignor to American Hyalsol Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 19, 1938, Serial No. 202,967. In Germany January 27, 1930
6 Claims. (Cl. 260—632)

1. A mixture of higher molecular alcohols of the general formula $C_nH_{2n+1}OH$ corresponding to fatty acid radicals of cocoanut oil in number of carbon atoms.

2,242,018
AUXILIARY METAL FEEDER FOR TYPE-CASTING MACHINES
Archie Buchanan Reid, Park Ridge, Ill.
Application October 17, 1940, Serial No. 361,638
5 Claims. (Cl. 22—80)



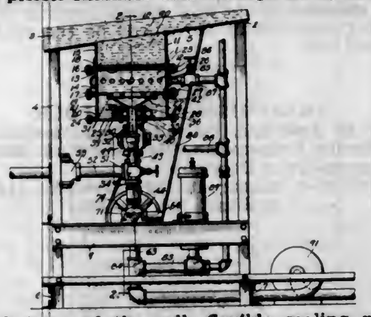
1. In association with a type casting machine having a reservoir arranged to carry molten metal and having an auxiliary feeder pivotally mounted to said machine arranged to feed molten metal to said reservoir having a float actuated valve for controlling the feeding of the metal to said reservoir, said valve and its float actuating mechanism being mounted upon and carried by the feeder and arranged to swing with the feeder when the feeder is pivoted with relation to the reservoir, the combination of mechanically actuated means for closing said valve independently of the float control and holding said valve closed under pressure when said feeder is pivoted out of its operating position, said means being arranged upon the auxiliary feeder and actuated only upon the pivotal movement of said feeder with respect to said reservoir.

2,242,019
LAMINATED GLASS
Adolf Weihe, Bad Soden, Taunus, and Fritz Herrlein, Frankfort - on - the - Main - Hochst, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application April 11, 1939, Serial No. 267,314. In Germany April 14, 1938
1 Claim. (Cl. 49—92)

A laminated glass comprising at least two sheets of glass and at least one intermediate layer comprising a condensation product of a polyvinyl alcohol with methylcyclohexanone and the neutral ester of diglycolic acid with methylcyclohexanol.

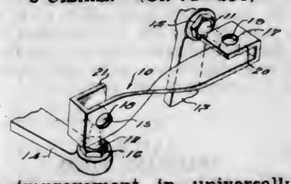
2,242,020
CONCENTRATING CELL
Charles E. Wood, Milwaukee, Wis.
Original application March 28, 1934, Serial No. 717,739. Divided and this application September 26, 1938, Serial No. 231,707
3 Claims. (Cl. 209—455)

1. An apparatus of the character described, including a cell, an apertured support in the cell for retaining a bed of material to be concentrated, a movable diaphragm positioned directly below and in close proximity to the support including a rigid central portion and flexible edge portions attached to said cell at a point directly below said support for bodily supporting a pulsating liquid thereon and to form the top of a fluid piston chamber above the bottom of said cell, a cencentrate outlet tube connected with said rigid portion of the diaphragm and reciprocable in the fluid piston chamber and through an opening in



the bottom of the cell, flexible sealing means connecting said tube with the bottom of the cell for closing the piston chamber, and means for intermittently introducing a fluid pulsating medium into said fluid piston chamber to effect vibration of the diaphragm and bodily pulsation of the liquid carried thereon through the bed of material carried on said support.

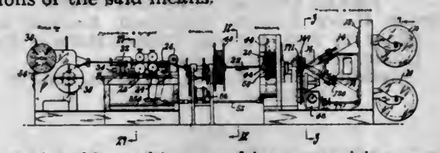
2,242,021
CONNECTING LINK
Thomas M. Ball, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application September 1, 1939, Serial No. 292,981
8 Claims. (Cl. 74—568)



1. The improvement in universally jointed linkages of the type including at least one lever having a ball-headed member projecting therefrom, comprising a link formed of a single piece of sheet metal and including a central section and integral terminal sections, at least one of said terminal sections comprising a pair of substantially parallel portions spaced a lesser distance apart than the diameter of the head of said ball-headed member and between which is positioned the head of said ball-headed member, said portions being provided with aligned openings of lesser diameter than the diameter of the head of said member for the purpose of providing a permanent seat for the head of said member.

2,242,022
CABLE ARMORING MACHINE
William H. Blount, Worcester, and Clayton F. Fisher, Spencer, Mass., assignors to Sleeper & Hartley, Incorporated, Worcester, Mass., a corporation of Massachusetts
Application August 1, 1938, Serial No. 222,498
11 Claims. (Cl. 173—244)

1. A cable armoring machine comprising a rotatable head, means for holding a supply of separate wires on the head, means for rotating the head and means for moving the cable forward and simultaneously drawing the wires from the rotating head without rotating the cable whereby the wires are twisted together, means for wrapping and interlocking an armoring strip about the non-rotating twisted wires and forming a flexible cable, means for measuring a predetermined length of the moving cable, means for cutting off said length without stopping the cable and means for synchronizing the operations of the said means.



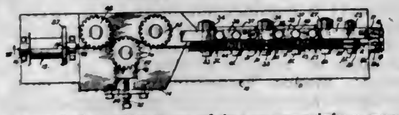
6. A cable making machine comprising a rotatable head, means for rotating same, a plurality of trunnions mounted for free axial rotation on said head in a parallel axial arrangement, yokes on the trunnions arranged to carry spools of wire thereon with their centers of gravity below the axes of the trunnions, means for guiding the wires into substantially the axial line of the head and causing the same to be twisted as the head is rotated and means connecting the trunnions so that the spools may swing only in the same direction at the same time as the head rotates.

2,242,023
AERIAL
Edward Cecil Cork, Ealing, London, and Joseph Lade Pawsey, Ickenham, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application December 9, 1939, Serial No. 308,378
In Great Britain August 3, 1939
6 Claims. (Cl. 250—11)



1. An aerial of the type set forth comprising a series of similar equally spaced loops arranged in a common plane and means for connecting all of said loops in series to a source of wave energy, the length of conductor from a point in each loop to a corresponding point in each adjacent loop being equal to a multiple, including unity, of a quarter wavelength minus a fraction less than a quarter of a wavelength.

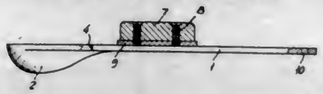
2,242,024
MACHINE FOR REMOVING SCALE FROM RODS
Paul W. Dillon, Sterling, Ill., assignor to Northwestern Steel and Wire Company, Sterling, Ill., a corporation of Illinois
Application December 20, 1939, Serial No. 310,116
12 Claims. (Cl. 29—81)



1. A rod descaling machine comprising groups of sheaves rotatably mounted in planes at an angle to each other with sheaves of said groups having spaced apart peripheral teeth extending

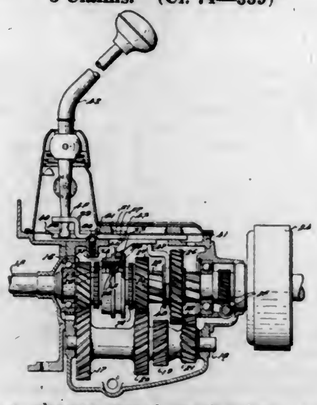
across the width thereof and having aligned central recesses defining a rod receiving peripheral groove around the sheave, at least one toothed sheave of each group having the teeth thereof in angular relation to its rotational axis, and at least one sheave of each group being adjustable in the mounted plane thereof to bend the rod a desired amount in such plane.

2,242,025
SHARE FOR SOWING MACHINES
Anton Georg Ewerth, Stocksund, Sweden, assignor to Erik Vilhelm Walter Hallwyl Von Geijer, Stockholm, Sweden
Application July 20, 1938, Serial No. 220,172
3 Claims. (Cl. 97—225)



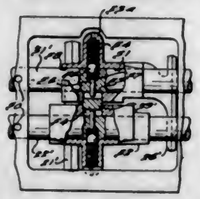
1. A share for drill sowing machines, of the type which is adapted to be advanced while dragging on the ground and is loaded for depressing the share proper into the ground, characterized by the fact that the share comprises a carrying member and a projection disposed on the bottom surface thereof, both the longitudinal and the transverse section of said projection having a contour or profile as seen from the side, that begins and terminates at the bottom of the carrying member and forms a continuous curved line, so that the share is effective to press an even open furrow in the ground when advanced thereon.

2,242,026
TRANSMISSION SYNCHRONIZING MECHANISM
Otto E. Fishburn, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 23, 1938, Serial No. 209,516
3 Claims. (Cl. 74—339)



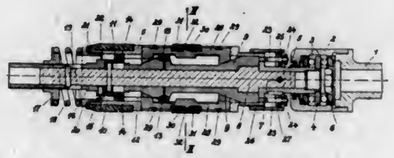
1. In a change speed mechanism; a driving member; a member adapted to be driven from said driving member; means respectively driven with said members for establishing driving connections of relatively different ratios therebetween; means respectively driven with said members and engageable for synchronizing the speeds thereof prior to establishment of said driving connections therebetween; a plurality of rails respectively movable to establish said driving connections, one only of said rails being operable upon initial movement thereof to effect engagement of said synchronizing means prior to establishing the drive connection controlled thereby, a vehicle driver operable member having a neutral position with respect to said rails and being selectively movable therefrom to a position for moving the latter, and means responsive to movement of said member from its first said position to its said second position for effecting said initial movement of the said one of said rails.

2,242,027
TRANSMISSION INTERLOCK
Otto E. Fishburn, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application January 18, 1940, Serial No. 314,530
2 Claims. (Cl. 74—475)



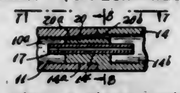
1. In a change speed transmission mechanism having a casing and a rail fixed in said casing, a shift fork shiftable along said rail and operable to establish different speed ratio drives; a shift finger adapted for movement into engagement with said fork for shifting the same along said rail; a spring urged detent ball carried by said fork; recesses in said rail for releasably receiving said ball thereby to yieldably lock said fork in ratio establishing positions; a recess in said rail for non-releasably receiving said ball thereby to positively lock said fork in neutral position; and means for forcing said ball out of said last mentioned recess upon movement of said finger into engagement with said fork whereby said fork is unlocked for shifting.

2,242,028
MACHINE TOOL
Herbert Füssenhäuser, Augsburg, Germany, assignor to Maschinenfabrik Augsburg-Nürnberg A. G., Augsburg, Germany, a corporation of Germany
Application November 29, 1938, Serial No. 242,976
In Germany November 29, 1937
3 Claims. (Cl. 51—184.3)



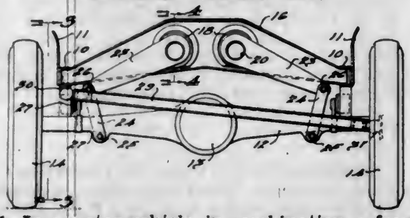
1. A finishing tool of the character described for finishing grooves on the inside of a hollow part, comprising a body, a series of carriers adjustable independently of one another in said body for substantially radial movement therein, each carrier having a plurality of inclined camming surfaces, an axially movable slide for each of said carriers slidably carried by said body and having camming surfaces for moving its respective carrier outwardly when the slide is moved axially in one direction, spring means for moving all of said slides in said one direction, and means for equalizing the forces applied by said spring means to the several slides.

2,242,029
AIR MIXING SMOKING PIPE AND THE LIKE
Charles Goetz, New York, N. Y.
Application February 1, 1940, Serial No. 316,773
3 Claims. (Cl. 131—216)



1. In a smoke pipe, a stem portion having a cylindrical bore extended inwards from its rear end forming a tobacco juice first trap compartment, a mid-stem section having a front end shouldered portion of a diameter equal to the diameter of said bore and extended into the front of said bore, said mid-stem section being formed with a bore extended inwards from its rear end forming a tobacco juice second trap compartment, said front end shouldered portion being formed with a coaxial passage for conveying smoke from said first trap compartment to said second trap compartment, and a normally closed passage extending between said compartments above said passage and substantially parallel thereto and being adapted to be used for conveying smoke when said first-mentioned opening becomes clogged.

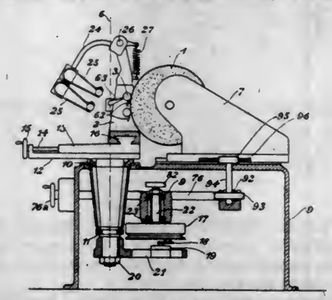
2,242,030
VEHICLE SUSPENSION
Harold A. Hicks, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 8, 1939, Serial No. 283,431
9 Claims. (Cl. 280—124)



1. In a motor vehicle, in combination, a frame; an axle carrying road wheels at each end thereof; means yieldably mounting said axle on said frame comprising a pair of suspension units including rubber subjected to torsional shear upon movement of said axle relatively to said frame; said suspension units being positioned on opposite sides of and closely adjacent to the longitudinal central vertical plane of the vehicle; a pair of arms respectively extending outwardly from said suspension units; shackle members connecting each of said arms with the housing of said axle, the said arms and shackle members being disposed entirely within the lateral confines of the frame.

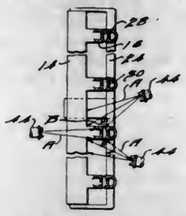
2,242,031
MACHINE FOR GRINDING BODIES OF ROTATION WITH CURVED GENERATRICES
Eric Georg Hjärpe, Goteborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden
Application March 28, 1939, Serial No. 264,568
In Sweden June 17, 1938
4 Claims. (Cl. 51—97)

1. In a machine for grinding bodies of rotation with curved generatrices, the combination with a grinding wheel carried by a grinding wheel head, and a work head, means for oscillating one head relative to the other, of two work holding devices carried by the work head and arranged symmetrically relative to a plane perpendicular to the axis of oscillation and containing the line which intersects both the axis of oscillation and the axis of rotation of the grinding wheel under



right angles, and a work inserting device comprising spring gripping members for two work pieces, which work inserting device is adapted to be brought from a position in which its gripping members are at a distance from the work holding device to a position in which the work pieces carried by the gripping members are held in positions for their engagement by the work holding devices.

2,242,032
MASK
Addison R. Houk, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application October 30, 1937, Serial No. 171,830. Divided and this application November 5, 1938, Serial No. 238,996
2 Claims. (Cl. 91—68)

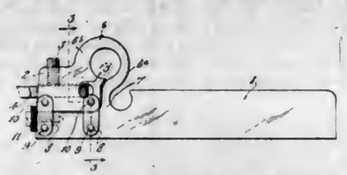


2. The method of decorating only a portion of an article which consists in applying a mask having open and covering portions to an article to be decorated, applying an air stream of a pressure greater than that of atmospheric pressure between the covering portions of the mask and the article, and applying a decorative material to the article through the open portions of said mask whereby the air stream prevents the decorative material from entering any space between the mask and the article.

2,242,033
METAL CUTTING TOOL
Richard Charles Johnsen and Harold C. Smith, West Orange, N. J.
Application July 16, 1940, Serial No. 345,724
5 Claims. (Cl. 29—96)

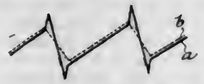
1. A metal cutting tool including a shank having a goose neck spring comprising two juxta-

posed arms, one end of one of which is connected to said shank while the free end of the other arm carries a cutter holder to permit yielding linear movement of the cutter holder under working



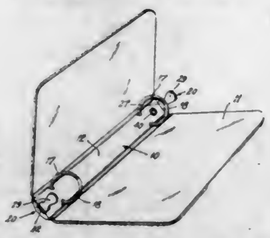
thrust on the cutter, and parallel links each having one end pivotally connected to said shank and the other end pivotally connected to said cutter holder.

2,242,034
SCANNING METHOD FOR STORAGE TUBES
Ulrich Knick, Berlin-Steglitz, Germany, assignor to the firm Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany
Application March 4, 1938, Serial No. 193,987
In Germany March 6, 1937
2 Claims. (Cl. 178—7.7)



1. The method of operating an image analyzing tube of the type having a storage surface which comprises the steps of scanning substantially the whole area of said storage surface, projecting the image on only the central portion of said storage surface, maintaining the speed of scanning substantially constant over said central portion, and increasing the speed of scanning over the remaining portion of said storage surface.

2,242,035
LOOSE LEAF BINDER DEVICE
Edward A. Koelling, St. Louis, Mo.
Application May 6, 1939, Serial No. 272,070
7 Claims. (Cl. 129—24)



1. A booster for loose leaf binders comprising a member, a first lever having an aperture through which said member extends, a second lever connected to said first lever and having an aperture through which said member extends, and means for moving said levers.

2,242,036
BROACH
Francis J. Lapointe, Ann Arbor, Mich.
Application May 24, 1939, Serial No. 275,479
12 Claims. (Cl. 29—95.1)

1. In a broach, a plurality of teeth; the teeth having straight cutting-edge portions and intermediate curved cutting-edge portions; and the straight cutting-edge portions progressively de-

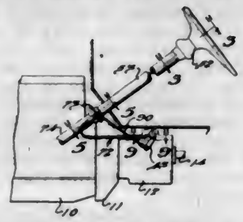


creasing in length with respect to the engagement of the work by the teeth and the curved cutting-edge portions progressively increasing in length.

2,242,037
METHOD OF MOLDING CORK PRODUCTS AND SIMILAR MATERIAL
Michael Levin, Akron, Ohio, assignor of four-tenths to Jacob T. Basseches, New York, N. Y.
No Drawing. Original application December 23, 1931, Serial No. 582,877. Divided and this application April 20, 1939, Serial No. 268,941
11 Claims. (Cl. 260—746)

1. A method of preparing a mixture of the character described, comprising intermixing with a comminuted body material, a protein base material to effectively coat the comminuted body material and then intermixing an aqueous dispersion of rubber with the comminuted body material first coated and separating the aqueous medium from the mixture so prepared.

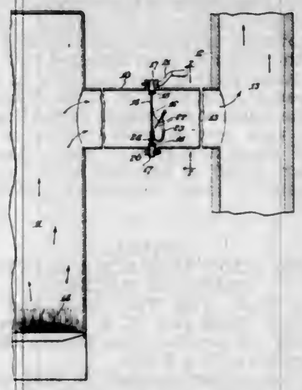
2,242,038
GEARSHIFT CONTROL MECHANISM
James R. McCordic, Royal Oak, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 1, 1939, Serial No. 259,219
11 Claims. (Cl. 74—484)



1. In a power transmission, a plurality of speed ratio controlling devices operable to effect selective drive through the transmission, a driver operated selector element adapted for shifting movements in transversely connected paths of corresponding directions to a plurality of stations of transmission control for effecting operation of said speed ratio controlling devices, means for mounting said selector element for swinging movement about a common axis along

said paths of corresponding directions, said mounting means including a fulcrum support accommodating rocking movement of an end portion of said selector element in the general direction of said axis, means operating in response to shift of said selector element for effecting operation of said speed ratio controlling devices and means for yieldably maintaining said selector element in one of said paths regardless of the position of said speed ratio controlling devices.

2,242,039
FURNACE CONTROL
Paul A. Mulcey, Aldan, and Allen J. Johnson, Drexel Hill Plaza, Pa., assignors to Anthracite Industries, Inc., New York, N. Y., a corporation of Delaware
Application February 14, 1940, Serial No. 318,822
4 Claims. (Cl. 236—93)



3. A control for a banked fire in a furnace comprising a smoke pipe leading from a furnace, a main damper in said pipe of a size, when closed, to reduce the volume of gaseous products to a predetermined value, and means supplemental to said main damper and responsive to a falling flue gas temperature for reducing said predetermined value to a secondary value comprising a banked fire minimum at a predetermined flue gas temperature, said means also operating to increase said last mentioned value at a temperature below said predetermined flue gas temperature.

4. The method of banking and controlling a banked fire in a furnace, which consists in reducing to a predetermined value the volume of gaseous products travelling from a furnace to a stack under operative combustion conditions of the furnace, gradually reducing the volume below said predetermined value as the temperature in the stack falls to a selected temperature, and increasing the volume of the gaseous products when the stack temperature falls below the selected temperature.

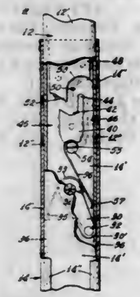
2,242,040
ALTAR FOR HOMES
Lawrence J. Murphy, Brooklyn, N. Y.
Application May 24, 1940, Serial No. 336,933
8 Claims. (Cl. 40—130)

1. An altar for homes, comprising a vertical rigid strip for attachment on a wall, and at the top continuing into a cross, a horizontal base member mounted on the bottom portion of said vertical strip, a horizontal top member mounted on said strip near the bottom of said cross and superimposed above said base member, strips of fabric material depending from the edges of said



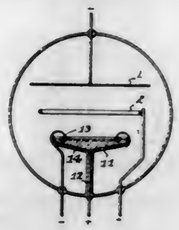
members, and fabric material mounted between the sides and the back of said members.

2,242,041
SUPPORTING BRACKET
Edwin North, Rockford, Ill., assignor to National Lock Co., Rock Island, Ill., a corporation of Delaware
Application February 3, 1937, Serial No. 123,805
7 Claims. (Cl. 217—60)



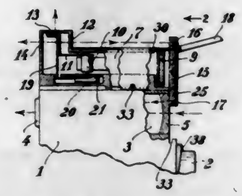
1. A supporting bracket including a pair of elongated arms slidable one within the other and having latch means adapted to latch the arms automatically in extended relation and automatically releasable by further extensible movement of said arms to permit movement of the same into collapsed condition, said means including a pivoted latch arm on one of said arms, a latch keeper on the other said arm, and a guide plate coöperable with said keeper to form a tortuous channel disposed in a direction substantially transverse to the movement of said bracket arms, means yieldably urging said latch arm into a normal position and the latter having an extension which is moved into said tortuous channel by movement of said latch arm by said yieldable means when said arms are extended a predetermined distance, said extension seating in said channel to prevent collapsing movement of said arms, said latch arm being urged by said yieldable means to move said extension out of said channel to release said arms for collapsing movement when said arms are moved a slight distance beyond the aforesaid predetermined distance, together with means on one of said arms for guiding said extension into said tortuous channel when the arms are extended.

2,242,042
COLD CATHODE FOR ELECTRIC VACUUM TUBES
Heinz Paetow, Berlin-Grunewald, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application August 3, 1940, Serial No. 350,421
In Germany March 1, 1939
8 Claims. (Cl. 250—27.5)



8. A discharge device comprising an anode, a cold plate cathode and small particles from the group of aluminum oxide and magnesium oxide on said cathode, said particles being positively charged.

2,242,043
EXPOSURE METER FOR PHOTOGRAPHIC APPARATUS
Otto Sanger, Helmut Becker, and Heinrich Broschke, Wetzlar, Germany, assignors, by mesne assignments, to Frank Dumur, Lausanne, Switzerland
Application July 8, 1939, Serial No. 283,444
In Germany July 12, 1938
4 Claims. (Cl. 95—10)



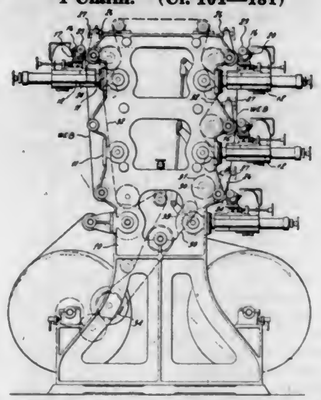
1. In a photographic camera having a view finder and shutter adjusting means, a gear on the latter, an exposure meter comprising a casing, an optical system within said casing adapted to cooperate with the optical system of said view finder, said exposure meter optical system including a galvanometer needle and an auxiliary needle adapted to be moved into registry with the galvanometer needle when the latter has been deflected, a gear on said auxiliary needle adapted to engage the gear on said shutter adjusting means when said exposure meter is attached to the camera, and cooperating means on the camera and said casing for detachably securing the casing to the camera with said gears in operative engagement and with the exposure meter optical system positioned in parallel optically operative relation with said view finder, the exposure meter optical system including optical means extending into the field of the view finder for imaging therein the said two needles after the same have been deflected and registered as aforesaid.

2,242,044
ANTIGLARE DEVICE
Francis C. Schwab, Mexico, D. F., Mexico
Application June 1, 1939, Serial No. 276,759
8 Claims. (Cl. 88—41)



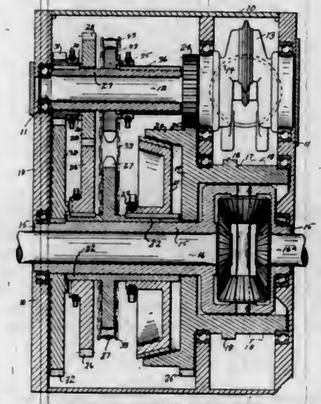
3. An anti-glare device for use in vehicles including a left and a right altiscope means, each of said means including a pair of superposed parallel plates, one of said plates having a clear reflecting surface on its inner face, the other plate having a clear reflecting section on its inner face, and a pair of glare screening sections on opposite sides of said clear section, and substantially in the same plane thereof, said glare screening sections determining the margins of the clear reflected area observed in one of said plates turned towards the vision, and affording laterally beyond the sector of clear reflected view observed in said latter plate a glareless view of the glare area ahead, the convergence of the image rays between the superposed plates permitting a clear reflected view between said margins of an area ahead of materially greater width, close to the eyes, than would be afforded by an unreflected view through a space between said margins.

2,242,045
COMBINATION SURFACE AND INTAGLIO PRINTING MACHINE
Harry A. Scott, Van Wert, Ohio, and Lynn B. Case, New Brunswick, N. J., assignors to John Waldron Corporation, New Brunswick, N. J., a corporation of New Jersey
Original application October 26, 1937, Serial No. 171,016. Divided and this application April 17, 1940, Serial No. 330,002
1 Claim. (Cl. 101—181)



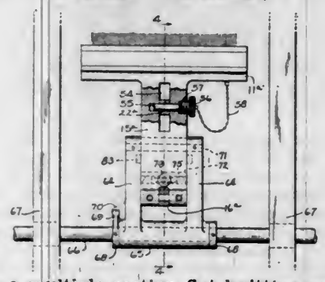
A machine for either letterpress printing or intaglio printing comprising a frame, an impression cylinder journalled in said frame, a holder supported by said frame for adjustment relative to said impression roller, a printing cylinder rotatably supported by said holder, a train of gears for driving said printing cylinder, means for connecting said impression cylinder to one of said gears for letterpress printing and permitting free rotation of said impression cylinder for intaglio printing, and means for adjusting said holder to vary the operating relationship of the printing cylinder and impression roller to convert the machine from one type of printer to the other type.

2,242,046
POWER UNIT FOR MOTOR VEHICLES
Charles R. Smalley, Youngstown, Ohio
Application June 18, 1940, Serial No. 341,156
5 Claims. (Cl. 180—70)



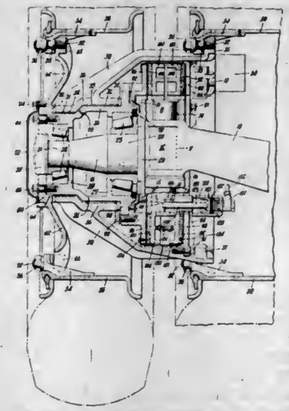
1. A power unit including an internal combustion engine, clutch, differential, and transmission means adapted to be positioned between a pair of oppositely disposed road wheels of a motor vehicle so as to suitably drive the same and comprising a crank shaft and an axle positioned in a housing in spaced and parallel relationship, a tubular cam shaft rotatably positioned around the said axle, a flywheel and a valve timing gear formed on the said tubular cam shaft, a plurality of cams formed on the said tubular cam shaft, clutch means positioned on the said flywheel adjacent to engaging clutch means slidably positioned on a main driving sleeve rotatably positioned on the said axle, a spur gear sleeve rotatably positioned on the said crank shaft together with a plurality of gears positioned on each of the said sleeves whereby suitable gear ratios may be obtained and applied to the said axle by means of a gear positioned thereon and meshed with a gear fixed on the said spur gear sleeve, motion of the crank shaft being imparted to the said flywheel and through the said clutch to the said main driving sleeve and from the said main driving sleeve through the selective gear assemblies to the said axle.

2,242,047
FLAT KNITTING MACHINE
Charles W. Strzalkowski, Milwaukee, Wis.
Application July 2, 1938, Serial No. 217,175
4 Claims. (Cl. 66—82)



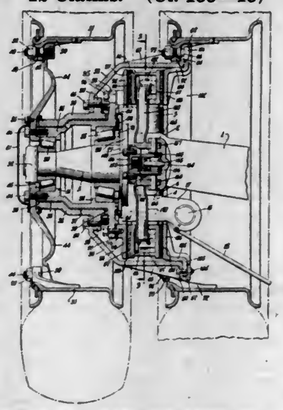
1. In a multiple section flat knitting machine, the combination with the needle bar of one of the sections, of a slotted press arm, one in supporting relation to the needle bar, an operating arm for the press arm having one end in the press arm slot, a retractible coupling pin normally connecting the operating arm with the press arm, a guide member for the lower end of the press arm, and latch mechanism for supporting the press arm from the guide member when the coupling pin is withdrawn.

2,242,048
DUAL WHEELED VEHICLE
Charles S. Ash, Milford, Mich.
Application March 22, 1939, Serial No. 263,347
19 Claims. (Cl. 188—18)



1. In a dual wheel assembly, a pair of side by side dual wheels mounted for independent rotation, a pair of brake members one connected to each wheel, brake shoe means frictionally engageable with the members and floating brake actuating means mounted on one brake member and operating on the other brake member connected with the brake shoe means, said brake actuating means serving to move the shoe means away from each other and into contact with the brake members.

2,242,049
DUAL WHEEL ASSEMBLY
Charles S. Ash, Milford, Mich.
Application May 24, 1939, Serial No. 275,438
12 Claims. (Cl. 188—18)



1. A dual wheel assembly including in combi-

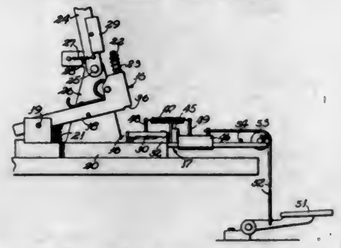
nation a pair of side-by-side dual wheels mounted for independent rotation, a pair of flat annular brake members, one connected to each wheel, a pair of flat annular brake shoes between said brake members and means for moving said brake shoes to apply pressure to said brake members, said means including a lever for moving said brake shoes simultaneously in opposite directions against their respective braking members and means for moving said lever.

2,242,050

STAPLING MACHINE

Seraphine F. Bauwens, Chicago, Ill., assignor to Bauwens Machine Company, Inc.

Application March 23, 1939, Serial No. 263,636
11 Claims. (Cl. 1—3)



1. A stapling machine comprising, in combination, a movable staple driving plunger, an opposed die unit located beneath said plunger, a gauge member located adjacent said unit and adapted to receive a piece of ribbon or the like wrapped about said unit and said member in loop configuration and overlapped at a point beneath said plunger, and means for shifting said gauge member a selected distance from said unit to pull the ribbon out until a predetermined length thereof is comprised in the loop.

2,242,051

PROCESS FOR PRODUCING WATER-REPELLENT TEXTILE MATERIALS AND PRODUCTS THEREFROM

Hans Beck, Krefeld, Germany, assignor to Heberlein Patent Corporation, New York, N. Y., a corporation of New York

No Drawing. Application May 22, 1937, Serial No. 144,304. In Germany May 27, 1936
7 Claims. (Cl. 8—113)

1. A process for the ennoblement of textile material which comprises treating the textile material with a dialdehyde combined through one aldehyde group with a substance selected from the group consisting of: an aliphatic acid amide, an aliphatic amine, an aliphatic alcohol, a wool fat alcohol, a naphthenic acid amide, said substance having at least 10 carbon atoms in a straight chain or ring, and heating the so-treated textile material to increase the water-repellence thereof.

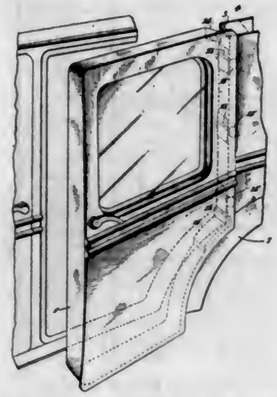
2,242,052

HINGE ASSEMBLY

Louis Casper, Richmond Hill, N. Y.

Application April 18, 1938, Serial No. 202,647
7 Claims. (Cl. 296—44)

1. In a hinge assembly of the class described including a plurality of bars secured to a door, said bars projecting outward from the hinging edge of said door, the ends of said bars formed to seat into respective bearings, said bearings integral to a door frame or like door support, demountable bearing means mounted above said bar bearings, blocking means for retaining said demountable bearing means in position with respect to said seating of said bars, said bars movable in respective slots in said door frame, said bar movement in said slots incident to the opening and closing of said door, and an aperture



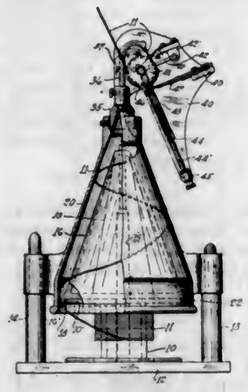
above each of said slots enabling the insertion of said bars within said slots and thereby enabling the mounting of the respective ends of said bars in the bearings thereof; a second aperture for each of said bar bearings in said door frame whereby said blocking means may be inserted into position above the bearing means aforesaid.

2,242,053

WIRE DESPOOLING DEVICE

Penrose E. Chapman, Sr., St. Louis, Mo.

Application October 1, 1938, Serial No. 232,715
1 Claim. (Cl. 242—128)



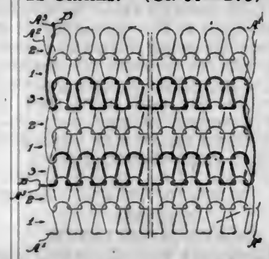
In a despooling device, the combination of a conical despooling cover with a conical spool cap, the base of said cap being shaped to match a spool head, means for supporting said cap adjacent said spool head, and means for supporting said cover over said spool head so as to leave a restricted space between the cap and cover through which wires from the spool may be drawn.

2,242,054

HOSIERY WELT CONSTRUCTION

Robert E. Claussner, Paducah, Ky., assignor to Claussner Hosiery Company, Paducah, Ky.

Application May 2, 1939, Serial No. 271,242
11 Claims. (Cl. 66—173)



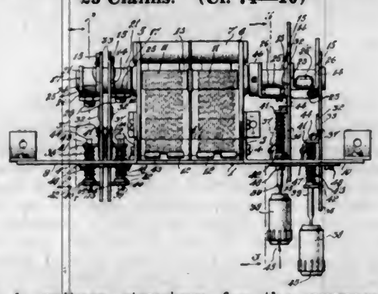
1. A stocking welt construction comprising multiple series of courses, the successive courses in each series being respectively knitted from separate yarns, each series including one course knitted from a low twist yarn and a high twist yarn, and the remaining courses in the series being individually knitted from a low twist yarn.

2,242,055

RADIO TUNING MECHANISM

Stanley S. Cramer, Haddon Heights, N. J., assignor to Radio Condenser Company, Camden, N. J.

Application May 9, 1940, Serial No. 334,151
23 Claims. (Cl. 74—10)



1. A unitary structure for the purpose described including a frame and at least one stator and rotor having a shaft carried by the frame; a plurality of slidable members carried by the frame with means for actuating said members to tuning position, each slidable member having a slot through which the rotor shaft passes, and projections located one on opposite sides of said slot but on the same side of the slidable member which also has lugs on this same side for carrying said actuating means, and a setting device adjustably carried on and fastened to the rotor shaft and having surfaces and stop parts disposed on opposite sides of the rotor shaft and engaged by said projections to turn the setting device and rotor shaft in a direction according to the predetermined adjustment of the setting device.

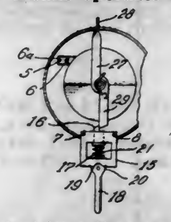
2,242,056

TIME CONTROLLED SWITCH

John D. Crenshaw, Chicago, Ill.

Application June 8, 1938, Serial No. 212,507
9 Claims. (Cl. 200—35)

1. A device of the character described comprising a switch adapted to open or close a circuit, depending upon whether the switch previously was closed or opened, the switch being provided with spring operating means and manually operable means for setting said first means and pivoted trigger means operable in either direction about its pivot by a time controlled element, whether the same moves in either one of two opposite directions, for releasing said spring means, said switch, operating, setting and trigger means being in the form of a self-contained unit.

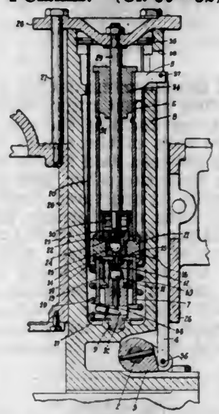


2,242,057

HYDRAULIC DEVICE

Robert Crzellitzer, Ivrea, Italy, assignor to the firm: Officina Meccanica Olivetti, Ivrea, Italy

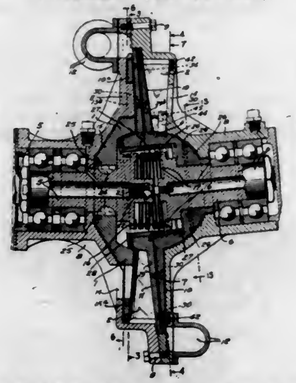
Application March 23, 1938, Serial No. 197,627
In Italy March 26, 1937
4 Claims. (Cl. 60—52)



1. A device of the character described, comprising a displaceable piston, a displaceable part in operative relation with said piston, a first displaceable cylinder housing said piston, a cylinder head fixed to said first cylinder, a second displaceable cylinder fixed to said cylinder head and extending in opposite direction to said first cylinder, a stationary piston housed in said second cylinder, operating means adapted for imparting reciprocal displacement to both said first and second cylinders, said cylinder head having a passageway connecting both cylinders, a valve controlling said passageway of said cylinder head and operable to open automatically towards said first cylinder, said stationary piston being provided with a passageway, a second valve controlling said passageway of said stationary piston, and a liquid reservoir connected with said second cylinder through said passageway of said stationary piston, said second valve being operable automatically to close during displacement of said cylinders towards said stationary piston and to open during displacement of said cylinders in an opposite direction, said operating means including a crank and a link connecting

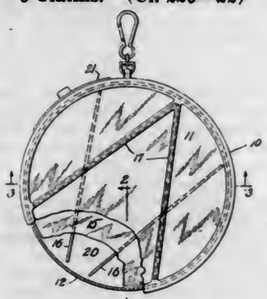
said crank to one of said cylinders, whereby a valve controlled liquid flow passes through said stationary piston to said second cylinder, when said operating means are in one position, and from said second cylinder to said first cylinder and underneath said displaceable piston, when said operating means are in another position.

2,242,058
ROTARY FLUID DISPLACEMENT DEVICE
Ernest A. Cuny, New York, N. Y.
Application November 5, 1937, Serial No. 172,969
7 Claims. (Cl. 103—127)



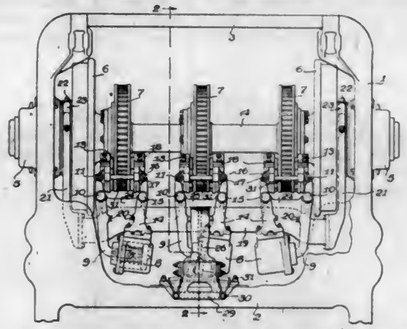
1. In a fluid displacement device, a bladed rotor, a cooperating slotted rotor, shafts carrying said rotors, bearings forming the sole support for said shafts, the axes of the shafts intersecting, and a coupling between said shafts whereby one shaft is driven from the other, said coupling including a plurality of apertured discs having radial arms, the ends of alternate arms of one disc being rigidly connected to the ends of the proximate arms of an adjacent disc, the alternate arms of the end discs being rigidly connected to the ends of the respective shafts, and means included within the apertures of said discs for determining the longitudinal position of one shaft with respect to the other.

2,242,059
BOX
William J. De Witt, Auburn, N. Y., assignor to Shoe Form Co., Inc., Auburn, N. Y., a corporation of New York
Application March 11, 1939, Serial No. 261,219
6 Claims. (Cl. 220—22)



1. A box comprising a cylindrical body having end faces and an annular band surrounding said body, said end faces having peripheral grooves in their inner surfaces which receive the edges of the band whereby said body and band are rotatable relative to each other, said band having an opening therein and a door normally closing said opening, said body also including means which coact with the end faces to form compartments therein open at the periphery of the body, said compartments being normally closed by said band, and accessible through the opening therein, said means including a plate parallel to and midway between the end faces and partitions extending transversely of said body, said partitions being secured to the end faces of the body and to the plate parallel to said faces.

2,242,060
BRAKE MECHANISM
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 10, 1939, Serial No. 303,789
4 Claims. (Cl. 188—153)



1. In combination, a truck frame having side frame members and a transverse frame member interconnecting said side frame members, a wheel and axle assembly supporting said frame and disposed in longitudinally spaced relation to said transverse frame member, a plurality of brake discs carried by said wheel and axle assembly to rotate with the wheels of said assembly, a brake supporting yoke disposed in the space between the side frame members, the transverse frame member and the axle of said assembly, said yoke being supported on the axle at spaced points and including a transversely extending portion arranged adjacent the peripheries of said discs and an arm extending from said transverse portion and secured to the transverse frame member, said yoke supporting pairs of brake shoes, one for cooperation with each of said discs, actuating means for each pair of shoes including a brake cylinder disposed between said transverse portion of the yoke and the transverse frame member, one of said cylinders being in the vertical plane of said arm, and the arm being offset to clear the cylinder.

2,242,061
FLUORESCENT SCREEN MATERIAL AND METHOD OF MAKING
Bennett S. Ellefson, St. Marys, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
No Drawing. Application February 3, 1938, Serial No. 188,510
11 Claims. (Cl. 250—81)

1. The method of making a fluorescent material which includes the step of mixing ZnO, SiO_2 and BeO and an activator, and melting the mixture to vitrify it to form a zinc silicate wherein part of the zinc ions are replaced by beryllium ions, and then devitrifying at a temperature lower than the melting temperature to increase the fluorescent intensity the SiO_2 constituting from approximately $33\frac{1}{3}$ molar percent to approximately 37 molar percent of the mixture.

2,242,062
THERAPEUTIC AGENT AND FOOD FROM WATERMELONS
Matthew Evertz, Chicago, Ill.
No Drawing. Application January 2, 1940, Serial No. 312,097
8 Claims. (Cl. 260—236.5)

1. The method of extracting the therapeutic principle from parts of watermelon, which comprises reducing the dried watermelon part to a powder, soaking the powdered watermelon part in a fat solvent, removing the solvent and removed fats and drying the residue, soaking the dried residue in water for a period approximately twenty-four hours, filtering and drying the filtrate, suspending the dried filtrate in water at a temperature approximately 100° C., filtering and drying the filtrate, suspending the last mentioned dried filtrate in a water alcohol solution, filtering and drying the filtrate, subjecting the last mentioned dried filtrate to extraction treatment with a solvent of the class consisting of ethyl ether, ethyl acetate and chloroform and mixtures thereof, subjecting the residue of this extract to further extraction treatment with methyl alcohol and drying the alcohol extract.

2,242,063
MEANS FOR WAVING THE HAIR
Arthur James Fermor, Welling, England
Application October 13, 1939, Serial No. 299,304
In Great Britain November 23, 1938
2 Claims. (Cl. 132—32)

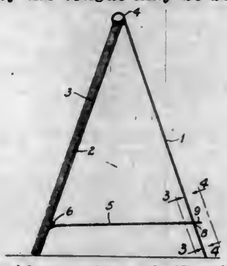


1. Apparatus for obtaining permanent hair waving with wide crests and narrow troughs with cross variation comprising a clamping bridge piece with a single concave surface, a rod attached to each end of said bridge piece, a set of parallel double convex members threaded on said rods, another set or parallel double concave members threaded on said rods and alternatively interposed between the first set of members to provide the means both for compressing and tensioning the hair, and clamping nuts on said rods oy which pressure can be applied to the parallel members.

2,242,064
NOTEBOOK
Ralph J. Gelinas, South Weymouth, Mass., assignor to Eastern Tablet Corporation, Boston, Mass., a corporation of New York
Application January 26, 1940, Serial No. 315,648
2 Claims. (Cl. 281—33)

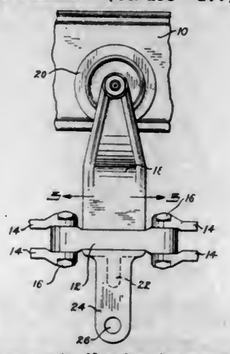
1. A stenographer's notebook comprising relatively stiff front and back covers with intervening leaves, said covers being hinged together at one of their corresponding ends whereby one cover may be folded back towards the other to assume an easel like position during the transcription of the notes, said covers also being flat and of uniform thickness to permit easy stacking or storage,

one of said covers having a key hole like slot therethrough, said other cover having a tongue cut from the integral back along substantially three sides, the fourth side of said tongue being directly connected in a uniform manner with the cover whereby the tongue may be bent out from



the body of said cover towards the other, the free end of said tongue having an enlarged end to engage the key hole like slot in the other cover and spring towards the smaller part of said slot due to the natural resiliency of the material thereby to have an interlocking engagement with said slot in the other cover.

2,242,065
TROLLEY CONVEYER
Lucien E. Gaboury, Detroit, Mich., assignor to Allied Steel & Conveyors, Inc., Detroit, Mich., a corporation of Michigan
Application September 16, 1940, Serial No. 356,910
20 Claims. (Cl. 198—177)

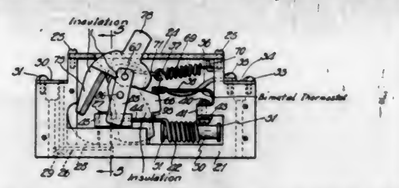


1. In a conveyer trolley having separable frame members, a load carrying member having a head insertable between said frame members, portions of said frame members slidingly interfitting with portions of said head as the latter is inserted between the former, the engagement between said portions interlocking the members together so that the frame members and the heads of the load carrying member are held against lateral separation from one another, and means for holding the head of the load carrying member from slidable withdrawal from between the frame members.

2,242,066
CIRCUIT INTERRUPTER
Stephen S. Grady, Clinton, N. C.
Application February 2, 1939, Serial No. 254,168
18 Claims. (Cl. 200—88)

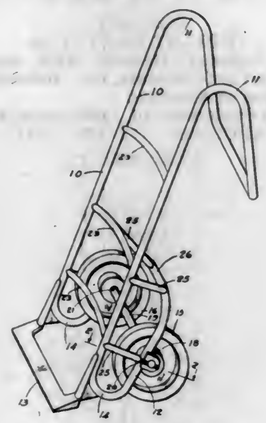
1. In a circuit interrupter, a pair of contacts having normal engagement with each other, an interposer movable to position between the contacts to separate the same, manually operated

means for moving the interposer from between the contacts to permit of their engagement with each other, a single means for holding said interposer in said last mentioned position and for



moving it to position between the contacts, and means for releasing the interposer for movement by its operating means, to position between the contacts.

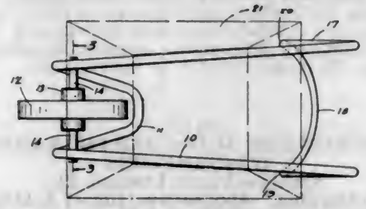
2,242,067
DOLLY
James W. Harris, Bedford, Ohio, assignor to The Palode Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application February 23, 1940, Serial No. 320,274
4 Claims. (Cl. 280—54)



2. A dolly comprising, a frame member, axles mounted thereon, wheels on said axles, said frame member embodying a tube bent to form a continuous loop having parallel sides and arcuate end portions constituting respectively frame side rails and cross members, one of said arcuate end portions being bent downwardly and rearwardly to provide a support for said axles forwardly of said cross members.

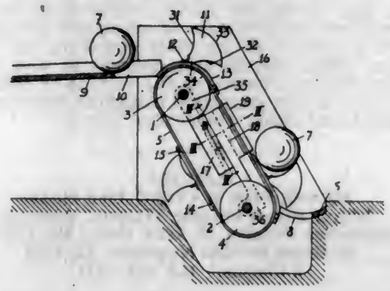
2,242,068
WHEELBARROW
James W. Harris, Bedford, Ohio, assignor to The Palode Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application February 23, 1940, Serial No. 320,275
2 Claims. (Cl. 280—52)

2. A wheelbarrow comprising, a frame member, an axle mounted thereon, a wheel mounted on said axle, said frame member embodying a single length of light steel tubing bent to form a continuous loop with lineal side portions therein diverging from one end, one end portion of the frame member being bent downwardly and inwardly, the opposed end portion of the frame being curved downwardly and extending rearwardly in a plane parallel to the lineal side portions subjacent said axle for reinforcing said frame member, the first named end portion being



arched intermediate its lineal side portions for the reinforcement of said frame member and a pan secured to said lineal side portions of the frame.

2,242,069
BALL RETURN DEVICE FOR BOWLING GAMES
Walter Heiniger, Lucerne, Switzerland
Application October 19, 1939, Serial No. 300,183
In Switzerland March 9, 1937
1 Claim. (Cl. 273—49)

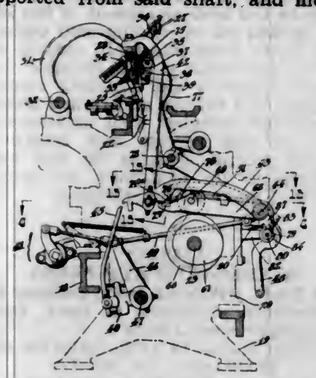


A ball return device, comprising an endless belt, means connected with said belt for driving the same, at least one ball-supporting element, said ball-supporting element consisting of a block having substantially the form of a quarter of a cylinder, and comprising a curved ball-supporting surface and a concave opposite surface; an angle-iron connected with said transporting element, a strip carrying said angle-iron, means firmly connecting one end of said strip with said belt, and means connecting the other end of said strip with said belt to provide freedom of movement between said other end of the strip and the belt.

2,242,070
LOOP MODIFYING MECHANISM OF STRAIGHT KNITTING MACHINES
Joseph Held, West Reading, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application February 8, 1938, Serial No. 189,310
21 Claims. (Cl. 66—89)

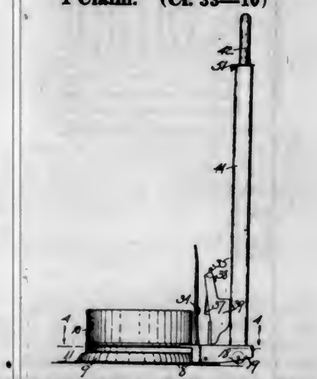
20. In a knitting machine, in combination, a shaft mounted to swing up and down about an external pivot, operator controlled means for setting said shaft at an upper and a lower position, automatic means for dipping said shaft from either of said positions, narrowing combs supported from said shaft, means for operating said combs to act on the fabric when said shaft is

dipped from said lower position, and a lock stitch bar supported from said shaft, and means for



operating said bar to act on the fabric when the shaft is dipped from the upper of said positions.

2,242,071
GARMENT MARKER
Rose Hoffman, Hartford, Conn.
Application October 27, 1938, Serial No. 237,258
1 Claim. (Cl. 33—10)



A garment marker including a stationary base, a drum secured to and rising from said base, a marker base attached to said drum to travel therearound, supporting posts rising from said marker base, a table mounted for vertical movement on said posts, a head rising from said table and having an opening therethrough, arms rising from said head, a stapling device including a magazine pivotally attached to the upper ends of said arms and including a case horizontally bodily movable in said opening, and an actuating plunger vertically movable in one of said posts and operatively connected with the plunger of said stapling device to actuate the latter.

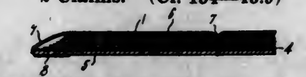
2,242,072
LOAD SUPERVISORY CONTROL MEANS FOR A MECHANICAL SPEED GOVERNOR
Claude J. Holslag, South Orange, N. J., assignor to Electric Arc Cutting & Welding Company, Newark, N. J.
Application February 17, 1940, Serial No. 319,563
9 Claims. (Cl. 290—40)

9. Supervisory control means for an engine mechanical speed governor having a main lever operatively connected to the engine throttle, said means comprising at least one electro-magnet having a winding responsive to the load of a generator driven by the engine, a supervisory lever mounted so as to have one end interconnected to said main lever through the medium of a sufficiently resilient device, an electro-mag-



net having a movable member connected to the other end of said supervisory lever whereby current from the generator passing in said winding, acts through said movable member of the supervisory lever to produce a reverse action of the mechanical governor which allows the engine to slow down as the load comes on.

2,242,073
UPHOLSTERY
Ernest Klopfer Hunt, Jackson Heights, N. Y., assignor, by mesne assignments, to International Tissue Corp., New York, N. Y., a corporation of New York
Application December 16, 1936, Serial No. 116,135
2 Claims. (Cl. 154—45.9)



1. In an upholstery construction, a base panel, a plurality of superimposed sheets of creped cellulosic material forming a pad and having secured to one face thereof a backing sheet, said superimposed sheets of creped cellulosic material being secured against displacement relative to each other by widely scattered indentations extending through the body of the pad formed by said sheets which indentations are substantially without lateral area, said backing sheet being secured to said base panel, and covering means extending over said pad and being overlapped over the edges of said base panel and secured thereto.

2,242,074
BARRETTE
William Huppert, New York, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware
Application June 11, 1940, Serial No. 339,852
6 Claims. (Cl. 132—48)

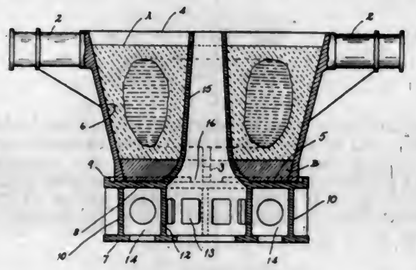


1. In a barrette, a body member, a tongue, and a lug on the body in which the tongue is pivoted, said lug having a portion that overlies the pivoted portion of the tongue and that meets a second portion of the lug along a line of juncture which is out of line with the pivotal axis of the tongue and which is longer than the transverse dimension of the lug.

2,242,075
CINDER POT ASSEMBLY
William Johnston, Jr., Wilkinsburg, Pa.
Application July 8, 1940, Serial No. 344,413
2 Claims. (Cl. 266—39)

1. An air-cooled open-bottom cinder pot assembly for open hearth slag consisting essentially

of a wall element enclosing an inwardly and downwardly tapering slag-receiving cavity, a unitary stool element comprising a supporting plate upon which the wall element rests, an upwardly and inwardly tapering circulation-promoting stack rising from said plate through the slag-receiving cavity bounded by the wall element of the assembly, and an open frame structure beneath the plate and arranged to provide circulation beneath the plate of air moving through it towards the stack.

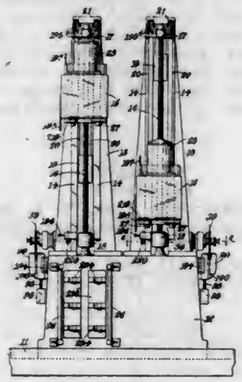


2,242,076

ELECTRIC CONTROL SYSTEM

Ernest James Henry Jones, Wembley, England, assignor to The Associated Equipment Company Limited, Southall, Middlesex, England, a company of Great Britain

Application March 31, 1938, Serial No. 199,161
In Great Britain April 14, 1937
8 Claims. (Cl. 77—32)



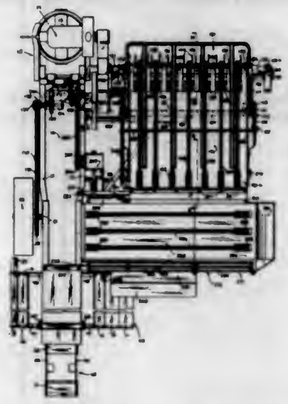
8. In apparatus of the class described wherein a predetermined succession of operations is required to be performed, the combination comprising a movable member which is to have a variable feed-movement having superimposed thereon at a predetermined stage a reverse movement followed by a return of the member approximately to the position occupied by it immediately before the reversal, a photo-electric cell, an electrically-operated device including said photo-electric cell whereby the movements of the movable member are varied, movable main and auxiliary electric-circuit control-elements, means for moving the main control-element in proportion to the feed movement of the movable member, means for varying the energization of said electrically-operated device under the control of said main control-element to control variations in the feed-movement of the movable member, means for energizing said electrically-operated device from said main control-element for reverse movement of the movable member, means for oscillating the auxiliary control-element during said reverse and return movements of the movable member with movements proportional to said reverse and return movements, and means operated by said auxiliary control-elements for modifying the control secured by said main control-element.

2,242,077

WINDROW PICKUP PRESS

Frank D. Jones, Ottumwa, Iowa, assignor to Dain Manufacturing Company of Iowa, Ottumwa, Iowa, a corporation of Iowa

Application August 10, 1936, Serial No. 95,142
49 Claims. (Cl. 56—27)



1. In harvesting mechanism having a mobile frame, the combination of a pickup device, detachable means connecting said pickup device to said mobile frame in operating position, a drawbar separate from said connecting means and rigidly fixed at one end to the lower portion of said pickup device, means at the opposite end of said drawbar and adapted to cooperate with means carried by the mobile frame for pivotally connecting said pickup device for lateral swinging movement to the rear end of the mobile frame in transport position, and means carried by the drawbar and rigidly connected to the upper portion of the pickup device for supporting said upper portion during transport.

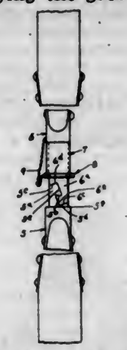
2,242,078

ROD COUPLING

Warren A. Kimball, Deming, N. Mex., assignor of forty-eight per cent to Grover C. Dawson, Silver City, N. Mex.

Application April 17, 1940, Serial No. 330,014
1 Claim. (Cl. 287—104)

In a rod coupling for joining upper and lower rods end to end, the upper rod being grooved circumferentially at a point substantially spaced from its end and both rods having overlapping and interlocking formations on their ends, a sleeve slidably mounted over the joint and retractable therefrom upon upper rod end carrying the groove, and a clip adapted to embrace the rod end carrying the groove and to releasably seat in the groove, for retaining the sleeve to either its raised or lowered position.



2,242,079

METHOD OF PREPARING 2-AMINO-PYRIMIDINE

Erwin Kuh, New Brunswick, and Martin Everett Hultquist, North Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application December 17, 1940, Serial No. 370,482
16 Claims. (Cl. 260—251)

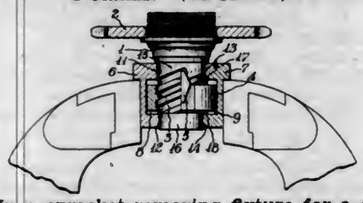
1. A method of reducing 2-amino-4-chloropyrimidine to 2-aminopyrimidine which comprises treating the material in aqueous dispersion with finely divided metallic zinc under alkaline conditions.

2,242,080

SPROCKET-REMOVING FIXTURE

Stanley B. Kurzina, Jr., Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application December 22, 1937, Serial No. 181,199
4 Claims. (Cl. 81—38)



1. In a sprocket-removing fixture for a screw shaft of a coaster brake, which screw shaft is threaded for a portion of its length with smooth portions contiguous thereto and has a nut threaded thereon, a clamping member formed to fit the smooth portions of the shaft and having a recess adapted to receive the nut, and means preventing rotation of the nut in the clamping member, said clamping member having shoulders adapted to engage the ends of the threads on the shaft and prevent longitudinal movement of the shaft therein.

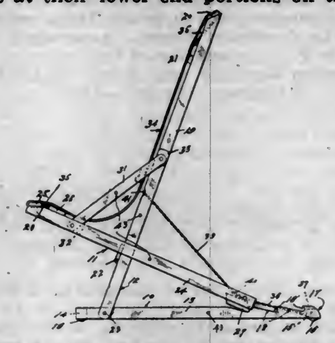
2,242,081

FOLDING ROCKING CHAIR

Sidney L. Long, Minneapolis, Minn., assignor to Ruben W. Anderson, Minneapolis, Minn.

Application January 3, 1938, Serial No. 183,029
5 Claims. (Cl. 155—56)

4. A chair of the kind described comprising a base having a hinge seat, an upwardly and rearwardly inclined back frame including a pair of rocker arms outwardly of the base and pivoted thereto at their lower ends, a seat frame including a pair of rocker arms outwardly of the first noted rocker arms in crossed arrangement therewith, said seat frame further including a hinge member connecting the respective rocker arms at their lower end portions on the under sides thereof, said hinge member releasably resting in said seat, and a link between the rocker arms on each side of the base and pivotally connecting the same with freedom for relative endwise movements, the rocker arms of the two frames and the links being constructed and arranged to be folded into the plane of the base with the free end portion of the back frame supported on the hinge member of the seat frame.

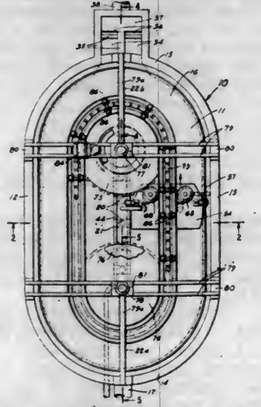


2,242,082

FILTRATION TANK AND FILTER BED CLEANING MEANS THEREFOR

Charles Lose, Jr., Cranford, N. J.

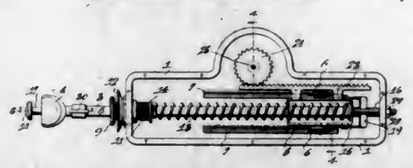
Application September 9, 1939, Serial No. 294,097
9 Claims. (Cl. 210—128)



1. In apparatus of the class described, the combination of an elongated filter tank with a filter bed therein, receiving solid bearing liquid and discharging filtered liquid, said tank having an endless wall with substantially parallel sides and substantially semi-circular ends, a central longitudinal support midway between said sides and terminating at each end adjacent to the center of curvature of the corresponding semi-circular end, a rail around the tank supported on said endless wall, a rail around the edge of said support, a filter bed cleaner mounted on

said rails to travel therealong and to be held against transverse movement with reference to one of said rails, and means to drive said filter bed cleaner along said rails and turn the same in passing around the ends of the same.

2,242,083
YARN TESTING DEVICE
Herbert Naumann, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
Application March 11, 1938, Serial No. 195,259
8 Claims. (Cl. 265—19)



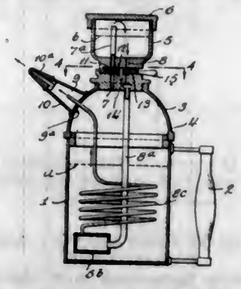
4. A yarn testing device comprising a casing, a tubular member slidably mounted in an end wall of said casing and extending to the outside thereof, a thread hook mounted on the outside end of said member, a carriage mounted on the other end of said member and slidable therewith, said carriage being movable only in an endwise direction, a spring mounted to bear against said carriage and oppose a predetermined force against the pull of a thread looped around said thread hook when said tubular member is pulled outward by said thread, means operated by the movement of said tubular member to indicate in terms of denier the breaking strength of the thread, and means to prevent the return of said tubular member as said thread breaks comprising a pivoted pawl mounted on said carriage, a toothed rack mounted in said casing and engaged by said pawl, and means to release said pawl from said rack to allow the return of said tubular member, said last mentioned means comprising a rod slidable within said tubular member, one end of said rod adapted to raise said pawl when moved thereagainst, said rod extending beyond the outside end of said tubular member, and means to normally hold said rod out of engagement with said pawl.

2,242,084
PROCESS OF TRANSPOSING 1,2-DICHLOROBUTENE-3
Otto Nicodemus, Frankfort-on-the-Main-Hochst, and Walter Schmidt, Frankfort-on-the-Main-Unterliederbach, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application October 11, 1938, Serial No. 234,374. In Germany October 26, 1937
5 Claims. (Cl. 260—654)

1. The process which comprises causing a metal halide condensing agent to act upon 1,2-dichlorobutene-3 at a temperature of at most 50° C.

2,242,085
APPARATUS FOR INHALATIONS
Horacio Peirano, Montevideo, Uruguay
Application November 21, 1938, Serial No. 241,528
In Brazil January 5, 1938
2 Claims. (Cl. 128—192)

1. An inhaling apparatus, comprising an upper receptacle and a lower receptacle, means for providing two separate passages connecting the interiors of said two receptacles with each other and for interrupting this connection, a vertical tube situated in said upper receptacle and having a lower end communicating with one of said passages and an upper open end situated close to the top of the upper receptacle, another tube situated within the lower receptacle and having an upper end communicating with the other one of said passages, means situated within said lower receptacle and constituting a separate chamber communicating with a lower end of said other tube, a coil situated within the lower receptacle



and having one end communicating with said separate chamber, means connected with a wall of the lower receptacle and constituting a mixing chamber, a nozzle carried by the last-mentioned means and communicating with said mixing chamber, said wall of the lower receptacle having openings formed therein to provide a connection between said mixing chamber and the interior of said lower receptacle, and a tube having one end communicating with the other end of said coil and another open end situated within said mixing chamber.

2,242,086
SURFACE-ACTIVE PRODUCTS AND A PROCESS OF PREPARING THEM
Karl Platz and Fritz Bücking, Frankfort-on-the-Main, and Karl Smeykal and Friedrich Asinger, Leuna, Kreis Merseburg, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application June 14, 1940, Serial No. 340,532. In Germany June 26, 1939
6 Claims. (Cl. 260—508)

1. The compounds of the general formula:

$$R—SO_2—NR_1—R_2—SO_3H$$

wherein $R—SO_2$ stands for the radical of the product obtained by the simultaneous action of sulfur dioxide and halogen upon saturated aliphatic hydrocarbons having at least 8 carbon atoms, R_1 stands for a member of the group consisting of hydrogen and hydrocarbon radicals and R_2 means an aromatic radical.

2,242,087
PAPERMAKING PULP MIXTURE AND METHOD OF PRODUCING THE SAME
Joseph E. Plumstead, Wilmington, Del., assignor, by mesne assignments, to West Virginia Pulp & Paper Company, New York, N. Y., a corporation of Delaware
No Drawing. Application July 11, 1933, Serial No. 679,993
8 Claims. (Cl. 92—21)

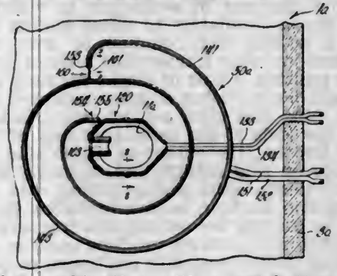
7. A pulp mixture which comprises pulp fibers, calcium carbonate and calcium sulfite, the calcium carbonate and calcium sulfite together forming not less than about 30% of the mixture, the calcium sulfite and the calcium carbonate each forming not less than about 15% of the mixture.

2,242,088
BEDPAN CUSHION
Augustine Rainboth, Montreal, Quebec, Canada
Application July 3, 1939, Serial No. 282,593
1 Claim. (Cl. 4—113)



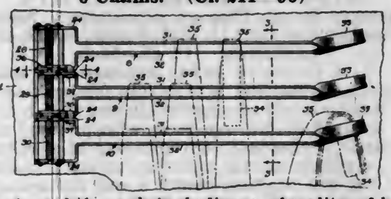
A self-adjusting bedpan cushion formed of a crushable material and comprising an approximately oval shaped member having upper and lower portions provided with corresponding top and bottom apertures and adapted to completely encircle the pan, an elastic band secured around the edge of the bottom aperture of said lower portion and adapted to form the binding means to the pan, and an elastic member connecting the opposing edges of the upper portion and situated adjacent to one end thereof.

2,242,089
MEANS FOR MAKING MINERAL WOOL
Charles F. Ramseyer, Chicago, Ill.
Application August 13, 1938, Serial No. 224,829
3 Claims. (Cl. 49—53)



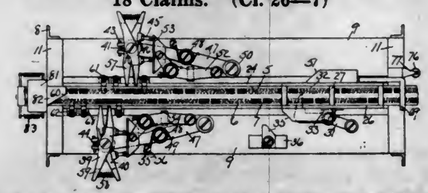
2. The combination with a wet-bottom boiler having a slag tap opening, of baffle means defining a space about said tap opening and having an inlet opening remote from said tap opening, said baffle means being arranged so that all of the slag is required to flow through said inlet opening into said space where a pool of the same is formed in which any reaction of the slag that may take place is substantially completed before it flows out of said tap opening.

2,242,090
NECKTIE RACK
Louis R. Schilling, Valley Stream, N. Y.
Application March 22, 1940, Serial No. 325,366
6 Claims. (Cl. 211—96)



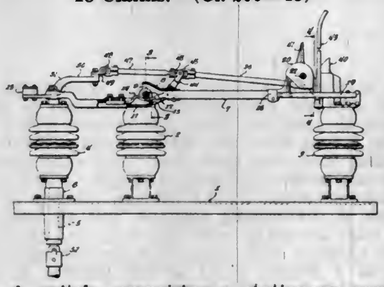
3. A necktie rack including a plurality of horizontally extending necktie supporting members, each member being formed with a pair of parallel bars merging together at one end and forming a loop, each of said members at the opposite end having a pair of vertically spaced extensions, some of said extensions extending substantially axially of the members and some at an angle thereto, all of said extensions having an aperture near the outer end thereof, said extensions being arranged so that said apertures are in alignment, a pintle extending through all of said apertures, a bracket having a plurality of right angle plates, said plates having a centrally positioned aperture through which said pintle extends, and abutments between which said extensions normally fit, a spring surrounding said pintle for each of said supporting members and functioning to hold said extension normally between certain abutments, said abutments being arranged so that said supporting member will normally be held in a stepped formation with the respective supporting members arranged in spaced parallel vertical planes, said springs yielding when said supporting members are swung from their normal position.

2,242,091
MACHINE FOR CUTTING TIES IN BLIND WEBS
Edward Schilke, Middletown, Conn.
Application April 25, 1940, Serial No. 331,557
18 Claims. (Cl. 26—7)



1. A woven double web tie cutting machine including a web support, means engageable with the web for moving it lengthwise along the support, movably mounted shear supports mounted at opposite edges of said web, a pair of shear members pivotally mounted on each of said shear supports, a slide overlying said web and having cams on opposite sides thereof, means engageable with said cams for moving said shear supports to insert blades on said shear members between said webs, and means for closing said blades to sever a connection between said webs.

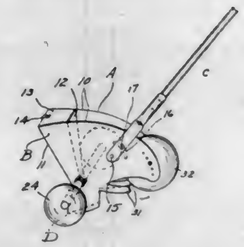
2,242,092
SWITCH CONSTRUCTION
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application April 19, 1939, Serial No. 268,662
18 Claims. (Cl. 200—48)



1. A switch comprising a stationary contact,

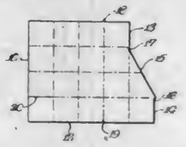
a main switch arm, a switch blade carried adjacent the outer end of said main switch arm for coaction with said stationary contact and pivotally movable about a pivot point on said main switch arm, spring means between said blade and said main switch arm, said spring means being movable to either of two positions on opposite sides of said pivot point, and an operating arm for raising and lowering said main switch arm, said operating arm being operably connected to said blade by non-extensible means at a point which moves to opposite sides of dead center for moving said blade to projected position into engagement with said stationary contact or to retracted position out of engagement with said stationary contact.

2,242,093
SEEDER
Warner Stauffacher, Minneapolis, Minn.
Application June 18, 1938, Serial No. 214,477
7 Claims. (Cl. 111—78)



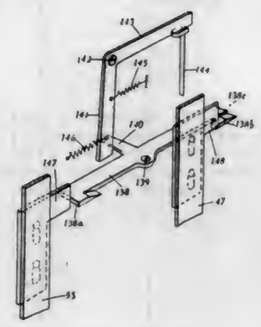
6. A seeder comprising wheels, a seed selector shaft upon which said wheels are mounted, a body having a seed hopper formed therein through which said shaft extends, a plow means and furrow closing means formed integral with said body, spaced sides on said body extending rearwardly therefrom, a furrow packing wheel positioned centrally between the said spaced sides on said body, and handle means for operating said seeder.

2,242,094
ROOFING
Vernon Tatro, Chicago, Ill.
Application February 19, 1940, Serial No. 319,619
14 Claims. (Cl. 108—7)



1. A shingle element having a straight end edge, straight and parallel side edges at right angles to said end edge, one of said side edges being longer than the other, a score mark extending inwardly from said end edge parallel with the longer side edge and spaced therefrom a distance equal to the overlap desired in the laying of the shingle element, and an irregular end edge including a portion adjacent each side edge parallel with said first named end edge and of a length equal to the spacing of said score mark from the longer side edge.

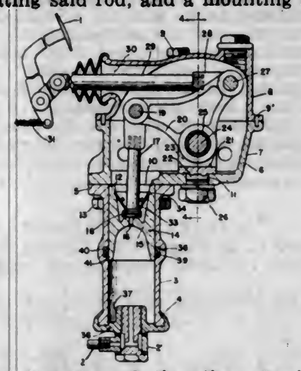
2,242,095
CALCULATING MACHINE
Arthur Thomas, Wallington, England, assignor to Powers Accounting Machines Limited, London, England, a company of Great Britain
Application October 1, 1937, Serial No. 166,822
In Great Britain October 10, 1936
1 Claim. (Cl. 235—61.6)



In a calculating machine having a total shaft and two accumulators the combination of two accumulator controlling links, means for reciprocating said links longitudinally, said links being normally disposed in a position in which they cause the accumulators to effect adding operations, a setting link common to both control links and movable transversely thereof to a totalling position, a pair of blocks for each control link, said blocks being slidably mounted on the setting link, and each control link passing between the ends of the associated pair of blocks, means limiting the extent to which said blocks can slide on said setting link, a spring to each pair of blocks, said spring urging said blocks towards one another, means, including the total shaft, for moving the setting link transversely of the control links into the totalling position, an interlocking device normally positioned to prevent the control link for one accumulator from following the transverse movement of the setting link and means settable between two consecutive operations of the total shaft to move said interlocking device clear of the control link for the one accumulator and into engagement with the control link for the other accumulator, whereby when one or other of said control links is arrested by the interlocking member, one of the blocks of the pair associated with the link which has been arrested moves with the setting link and the spring connecting said block to the other block of said pair extends.

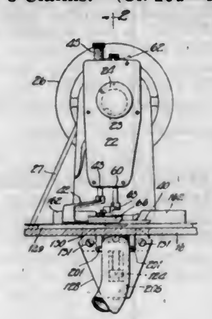
2,242,096
HYDRAULIC BRAKE APPARATUS
George Joseph Thomas, Birmingham, Mich.
Application April 12, 1937, Serial No. 136,467
5 Claims. (Cl. 60—54.6)

1. In a hydraulic brake apparatus, a master cylinder comprising a reservoir for braking liquid having a pair of openings in one wall, a cylinder secured to said reservoir with one end communicating therewith through one of said openings, a piston in said cylinder having a passageway for the braking liquid, a rod for actuating said piston, said rod controlling said passageway and extending within said reservoir, an angularly movable lever within said reservoir for actuating said rod, and a mounting for said



lever extending through the other of said openings and secured to said wall.

2,242,097
PINKING MACHINE
Curtis Weidauer, Manhasset, N. Y., assignor to Samuel Briskman, New York, N. Y.
Application May 9, 1939, Serial No. 272,543
8 Claims. (Cl. 164—48)

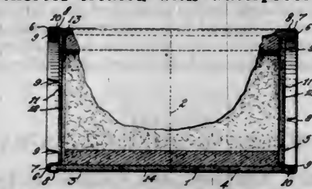


1. In a pinking machine, a table or bench over which the material to be operated upon is adapted to be fed, a cutting mechanism, and means for feeding a piece of material to be operated upon relatively to the cutting mechanism, said feeding means including a holding foot for engagement with the material, means carried by the holding foot for engagement with the material being operated upon to move the same relatively to the holding foot, and means for imparting reciprocating motion to the material engaging means.

2,242,098
INSECT TRAP
George G. Wittwer, Chappaqua, N. Y., and William M. Stieh, Teaneck, N. J., assignors to Lethelin Products Co., Inc., Mount Vernon, N. Y., a corporation of New York
Application July 15, 1939, Serial No. 284,621
1 Claim. (Cl. 43—131)

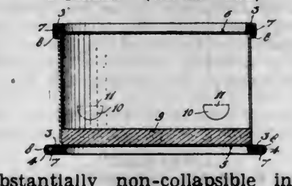
An insect trap comprising a central tube, tubular members surrounding said central tube and having adjacent ends thereof in abutting relation, metallic caps on the other ends of the tubular members, said caps having recessed portions in slight spaced relation to the central tube, said

central tube having moistureproof material on the inner and outer walls and the end surfaces thereof, scorings in the caps, a label surrounding the tubular members and abutting the caps, said label and caps having the entire exterior surfaces thereof treated with waterproof material,



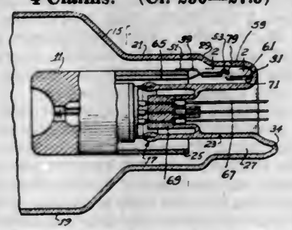
and bait within the central tube, said portion of the caps defined by the scorings being adapted to be forced inwardly to provide openings to the interior of the central tube by insects, and said moistureproofing preventing ready transfer of moisture from the bait to the central tube or from the atmosphere to the bait.

2,242,099
ANT TRAP
George G. Wittwer, Chappaqua, N. Y., and William M. Stieh, Teaneck, N. J., assignors to Lethelin Products Co., Inc., Mount Vernon, N. Y., a corporation of New York
Application July 13, 1939, Serial No. 285,049
1 Claim. (Cl. 43—131)



A substantially non-collapsible insect trap composed of a bottom, an inclosing side wall, and a top, all of lead-coated sheet metal and sealed together, the bottom having a poison material on the upper inner surface thereof and in contact with the side wall throughout its extent, the side wall having one or more scorings therein intermediate the top and bottom adapted to be forced inwardly upon the application of force so as to provide an entry into the enclosure and the lower portion of the scorings being so positioned with respect to the poison material, that an insect entering the opening can readily position itself on the poison without necessarily contacting the interior surface of the enclosing wall.

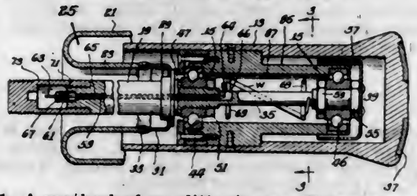
2,242,100
GETTER FOR X-RAY GENERATORS
Zed J. Atlee, Elmhurst, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application May 26, 1939, Serial No. 275,877
4 Claims. (Cl. 250—27.5)



1. An X-ray generator comprising co-operat-

ing electrodes enclosed in an envelope, means on said envelope forming a pocket having a wall providing a cool zone at an end of the envelope, getter means comprising a tubular sheath forming a holder for getter material, said sheath having a wall of reduced sectional thickness along a side thereof and being arranged in a spiral pancake coil, and means for supporting said sheath in said pocket with the wall portions of reduced section facing the pocket-forming wall.

2,242,101
METHOD OF CONDITIONING X-RAY GENERATORS
Zed J. Atlee, Elmhurst, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application November 25, 1940, Serial No. 366,978
14 Claims. (Cl. 250—148)



1. A method of conditioning an X-ray generator having an X-ray generating element turnably supported by a bearing in an evacuated casing, which comprises vaporizing a lubricating metal in said casing and directing the metal so vaporized upon a working surface of the bearing to form a thin metallic lubricating film thereon.

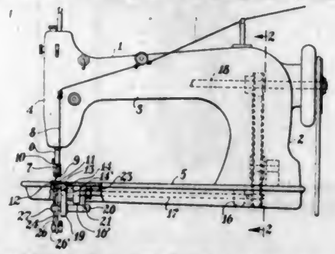
2,242,102
BUCKLE
Clarence E. Beatty, Colorado Springs, Colo.
Application September 9, 1940, Serial No. 355,910
3 Claims. (Cl. 24—74)



3. In a buckle having a four sided frame, a clamping member of resilient material pivoted to one side of the frame, the clamping member projecting beyond the other side of the frame, said clamping member having a laterally extending portion concave away from the pivot, the distance from the pivot to the concave portion being substantially the same as the distance from the pivot to the opposite side of the frame.

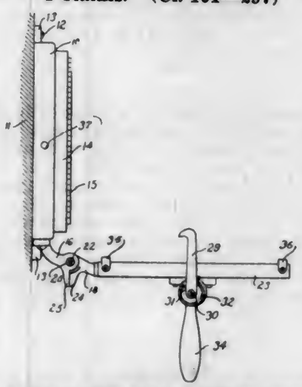
2,242,103
MACHINE FOR PRODUCING TUFTED FABRICS
Walter Borenstein, Brooklyn, and Isadore Duckstein, New York, N. Y.; said Duckstein assignor to said Borenstein. Ella Borenstein administratrix of said Walter Borenstein, deceased
Application December 1, 1937, Serial No. 177,408
4 Claims. (Cl. 112—79)

1. In a machine for producing a tufted article, stitching mechanism including work-feeding means and a reciprocatory needle for carrying the tufted thread through the fabric and producing loops, an oscillating looper member having a projecting bill-portion provided with a cutting-edge having extension and retraction movements in an arc of oscillation across the path of the needle, an oscillating blade-carrying arm pivoted on the looper member and projecting in the same direction as the said bill-portion and carrying, at its free end, a blade movable in an oscillating arc intersecting the arc of oscillation of said bill-portion and provided with a cutting-edge movable across the cutting-edge of said bill-portion, a rock-shaft, means for rocking said shaft in synchronism with the movements of the needle, motion-transmitting connections between said rock-shaft and said looper and blade members to transmit motion to said bill-portion and



blade member to oscillate the same into cutting relationship, a needle guide element comprising a rotatable plate provided with a leading edge disposed to one side of the median line of the plate and downwardly-inclined top and trailing edges extending from said leading edge across said median line and forming, adjacent to the leading edge thereof, a toe adapted to initially contact the needle tip above the end of its down stroke, and means for rotating said guide element in a path contiguous to the path of reciprocation of the point of the needle.

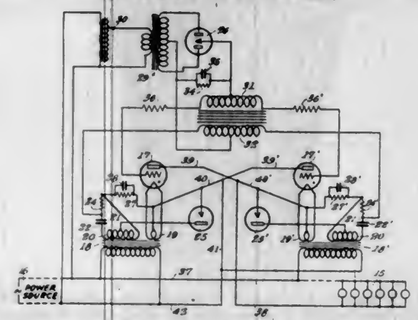
2,242,104
HAND PRINTING PRESS
James Frank Boyer, Kokomo, Ind.
Application May 11, 1940, Serial No. 334,487
4 Claims. (Cl. 101—297)



1. In a hand operated printing press having a type receiving bed plate and a pressure plate rockably attached by one end to the bed plate, a shaft transversely positioned across substantially centrally of and rockably mounted on said pressure plate, a pressure plate lifting handle carried by said shaft, cam means carried by the shaft, a latch bar carried at each end of and rockable about the axis of the shaft, a stop for each latch bar carried by the shaft at a radial distance from the shaft axis, a spring normally yieldingly urging said bar against said stop, and latch bar engaging means on said bed plate,

said cam means being arranged to push the pressure plate toward the bed plate upon rocking of said handle from a position substantially normal to the pressure plate around toward the plate and said latch bar and its stop being located in reference to said cam to have the bar rocked with travel of the cam into engagement with its said engaging means, said stop being carried away from the bar upon further cam travel to have said spring continue its pressure on the bar tending to maintain said latch bar engagement.

2,242,105
LAMP DIMMING SYSTEM
George Alvin Brettell, Jr., Newark, N. J., assignor to American Transformer Company, Newark, N. J.
Application August 24, 1939, Serial No. 291,685
6 Claims. (Cl. 175—312)



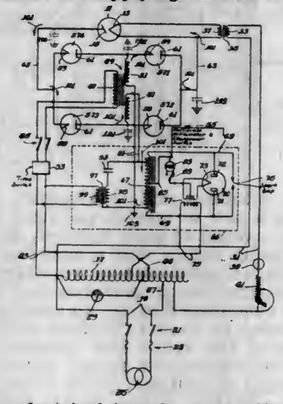
1. Apparatus for dimming electric lamps energized from a course of alternating current, said apparatus comprising a plurality of rectifying electric discharge devices connected to transmit the lighting current to the lamp load, said devices operating to deliver current having a form factor greater than 1.1 at maximum root-mean-square load current; and circuit connections protecting the load and source from any net direct current resulting from the rectifying action of said discharge devices.

2,242,106
METHOD OF REMOVING BAKED ORGANIC COATINGS
Jacob F. Buckman, Hamden, Conn.
No Drawing. Application April 11, 1939, Serial No. 267,352
2 Claims. (Cl. 141—1)

1. The method of removing baked organic coatings which consists in immersing the work in an emulsion of water and a composition comprising, in volumetric proportions, 10% to 80% of a material selected from the group consisting of cresylic acid, phenol, orthocresol, metacresol and paracresol, 5% to 10% of potassium oleate, and 5% to 10% of water, the amount of water added to the composition being in the proportion of one to forty parts of water to two parts of the composition, the immersion being continued until the coating is loosened, and then removing the work from the bath and rinsing it in water.

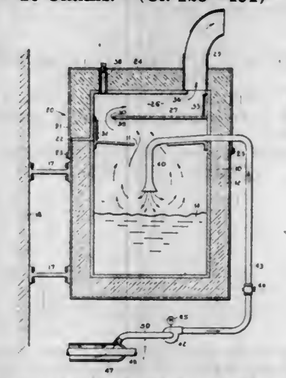
2,242,107
METERING SYSTEM
Lloyd L. Call, Glen Ellyn, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application August 27, 1938, Serial No. 227,127
4 Claims. (Cl. 171—95)

1. In a metering system, for indicating the alternating current load in an electrical device having reactive characteristics requiring a charging current component and adapted to be energized from a suitable power source, comprising a direct current indicating meter, means for applying, on said meter, power at all times proportional to a fluctuating load current comprising a circuit including transformer means, rectifier means associated with said transformer means for actuating the meter from the transformer means, means for applying on said transformer



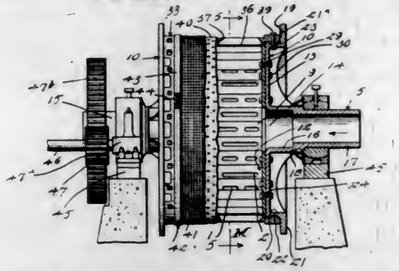
means an electrical impulse proportional to the load component and the charging component, and means adapted to be energized from said power source including capacity reactance for applying on said transformer means an electrical impulse at all times equal and opposite to said charging component whereby the meter actuating impulse transferred from said transformer means indicates only the value of said load component.

2,242,108
OXYGEN VAPORIZER
Jesse G. M. Bullowa, New York, and Herman D. Ratish, Brooklyn, N. Y.
Application May 23, 1939, Serial No. 275,212
10 Claims. (Cl. 128—191)



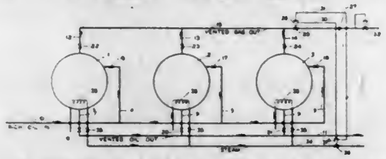
1. An air-enriching apparatus including a vessel for liquid oxygen, an air supply pipe opening into and directed downward in the vapor space above the liquid oxygen in said vessel, means for forcing a stream of air warmer than the liquid oxygen to blow from said supply pipe toward the surface of the liquid oxygen, and control apparatus adjustable to change said air stream to increase or decrease the evaporation from the surface of the oxygen.

2,242,109
GRINDING MILL
George A. Camphuis, Los Angeles, Calif.
Application March 13, 1939, Serial No. 261,625
4 Claims. (Cl. 83—9)



1. In a grinding mill, a revoluble structure comprising a pair of disc-shaped head members, a trunnion carried by each member, at least one trunnion being hollow and comprising an axial intake, means supporting said trunnions, a cylindrical horizontal flange carried by each head and extending outwardly thereof, an annular vertical flange carried by each cylindrical flange at the outer end of the latter and disposed at right angles to said cylindrical flange, said cylindrical flange having an annular groove in its outer periphery, a plurality of inner screen bars arcuate in transverse section disposed between said heads, extensions carried by the opposite ends of said bars engaging said horizontal flanges and abutting against said vertical flanges, a key on each extension engaging in said groove, fastening devices engaging through said extensions, said keys and said cylindrical flanges, said fastening devices being remote from the grinding faces of said bars whereby said fastening devices will be out of contact with the material during the grinding of the latter, outstanding pads on said bars inwardly of the ends thereof, an outer screen between said vertical flanges and engaging on said pads, and an intermediate screen of less length than said outer screen and between said outer screen and the outer surfaces of said bars and between said pads.

2,242,110
METHOD AND APPARATUS FOR TREATING HYDROCARBONS
Samuel C. Carney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 12, 1938, Serial No. 184,678
3 Claims. (Cl. 183—114.5)



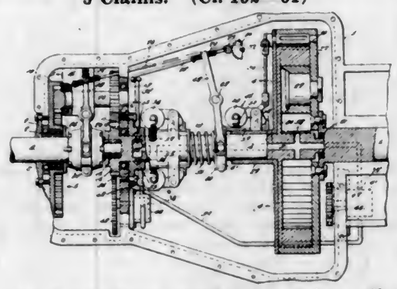
3. A method of controlling the evolution of dissolved gases from a continuous stream of hydrocarbon liquid under high pressure, the liquid containing other normally gaseous but less volatile components which it is desired to retain in solution, comprising directing the stream consecutively to a plurality of vessels, reducing the pressure on each vessel after the stream of liquid is directed to the next vessel, the reduction in pressure being continuous over a period of time sufficient to obtain maximum evolution of the dissolved gas with minimum evolution of the less volatile components, the rate of pressure reduction being controlled by the amount of vapor evolved, discharging the liquid from each vessel before the pressure therein has reached a point at which less volatile components are evolved in appreciable quantity, and again directing the stream of liquid to the empty vessel.

2,242,111
GUARD FOR TRASH BURNING BASKETS AND THE LIKE
Harold G. Carsley, Waukegan, Ill., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application August 24, 1939, Serial No. 291,748
10 Claims. (Cl. 220—19)



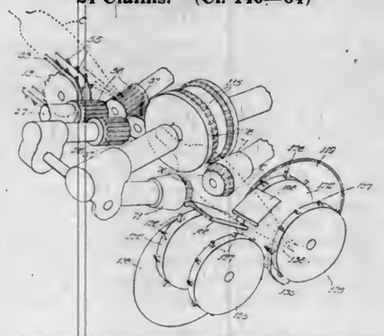
1. A guard for trash burning baskets and the like comprising a plurality of arm-like members movably arranged around the top of the basket, each of said members being constructed and arranged so as to have one end thereof pivotally connected to the basket at the rim thereof and the opposite end slidably connected to the next succeeding arm-like member so as to permit slidable movement thereof relative to the same whereby said members are adapted to be moved to one position over the opening in the top of the basket so as to provide a web-like closure therefor and to another position around the rim thereof to permit access thereinto.

2,242,112
HYDRAULIC TRANSMISSION
Gifford W. Chester, Springfield, Mo.
Application October 16, 1939, Serial No. 299,743
5 Claims. (Cl. 192—61)



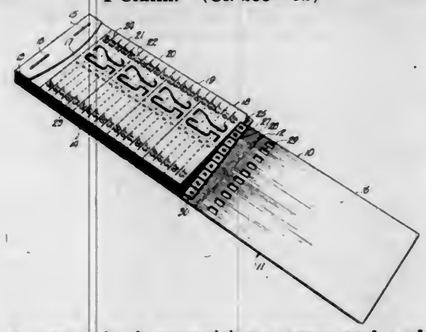
1. In a hydraulic clutch, a housing, aligned drive, intermediate and driven shafts journaled in said housing, a clutch means in said housing and acting to connect and disconnect the intermediate and driven shafts, a casing secured on the drive shaft and provided with ports and having the intermediate shaft extending therein, a ring gear secured to the intermediate shaft and operating in the casing and having ports to align with the first-named ports, valves for controlling said first-named ports, gears journaled in said casing and meshing with said ring gear and coacting therewith and the casing in forming pumps for compressing fluid and forcing said fluid through the first-named ports when opened and acting to establish a drive connection between the intermediate shaft and the drive shaft when said first-named ports are partly open and closed, and a governor mechanism for controlling said valves, and means for supplying the casing with fluid from the housing.

2,242,113
MACHINE FOR DEBUTTING CORN
Ralph Cover, Westminster, Md.
Application January 22, 1938, Serial No. 186,419
24 Claims. (Cl. 146—84)



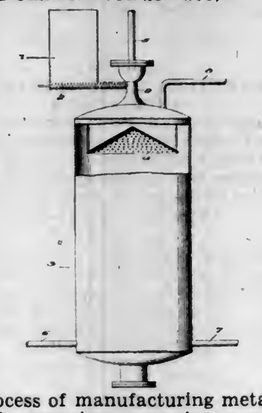
1. A corn debutting machine including in combination cutting means, opposed spaced aligning devices for positioning the ears for debutting, means for supporting said aligning devices for independent movement, means for supporting and feeding ears one after another in an endwise direction to the aligning devices, and an independently movable presser device connected with each aligning device and contacting with the ear for automatically shifting the aligning device associated therewith an extent determined by the size and contour of the portion of the ear contacted with by said device.

2,242,114
COUPON BOOK
Loring T. Cramer and John D. Boyles, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application September 16, 1940, Serial No. 356,906
1 Claim. (Cl. 283—52)



A coupon book comprising a cover and a plurality of coupon sheets, the cover folded back transversely adjacent one end to embrace the superposed coupon sheets and secured thereto, the cover folded transversely adjacent the free ends of the coupon sheets to overlay the same and provided with a plurality of transversely spaced and aligned apertures adjacent said fold, the coupon sheets having their free ends partially cut away to provide exposed tabs, the said exposed tabs registering with the aligned openings of the cover when the latter is closed over the coupons.

2,242,115
MANUFACTURE OF METAL CARBONYL
Abraham Danciger, Tulsa, Okla.
Application July 13, 1938, Serial No. 219,073
4 Claims. (Cl. 23—203)

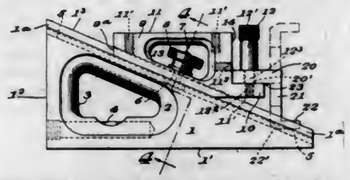


4. The process of manufacturing metallic carbonyls which comprises preparing a metal, selected from a group consisting of iron, nickel, cobalt, chromium, tungsten, molybdenum, and ruthenium, in a finely divided state, continuously spraying the same into a contact tower in admixture with a stream of carbon monoxide under superatmospheric pressure, said stream being introduced into the tower at a point adjacent to the point of entry of the finely divided metal, contacting the finely divided metal with another stream of carbon monoxide introduced into the tower at a point remote from the point of entry of the finely divided metal, the said second stream of carbon monoxide being caused to flow in a direction countercurrent to that of the initial direction of the stream of metal particles, removing the metal carbonyl formed, separating the carbon monoxide and metal particles that may be associated with it, removing the carbon monoxide, separating it from any residual metal carbonyl and metal that may be associated with it, combining the carbon monoxide so obtained with the carbon monoxide separated from the metal carbonyl, admixing it with fresh carbon monoxide equal in amount to that consumed in the process, and recirculating it for reaction with a further quantity of the finely divided metal.

2,242,116
STEP ATTACHMENT FOR PLANER AND SHAPER OR LIKE GAUGES
Carlton S. Donaway, Indian Orchard, Mass., assignor to The L. S. Starrett Company, Athol, Mass., a corporation of Massachusetts
Application June 5, 1940, Serial No. 338,969
3 Claims. (Cl. 33—162)

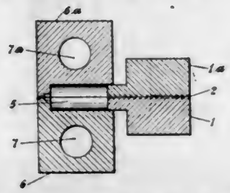
2. An attachment for a gauge having base faces

at right angles to each other, a hypotenuse face having a slideway extending to one end thereof, and a slide on said slideway having a supporting face, said attachment having means to en-



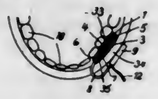
gage said supporting face, and a portion thereof to extend into said slideway and provided with a gauging face parallel to the base face which is adjacent the open end of the slideway.

2,242,117
METHOD OF MAKING BLASTING INITIATORS
Myrle Hardt English, Pompton Lakes, N. J., and Roland Roswell Nydegger, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 24, 1937, Serial No. 181,647
4 Claims. (Cl. 18—59)



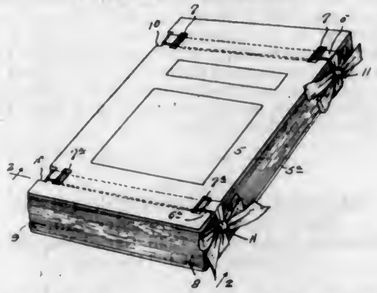
1. A process for vulcanizing a rubber composition in juxtaposition with a preformed body of thermoplastic material in the absence of substantial intermingling of the rubber composition and the thermoplastic material, which process comprises introducing the rubber composition into a mold, positioning a preformed body of the plastic material at a locus substantially outside said mold and in contact with said rubber composition, heating said rubber composition to a vulcanizing temperature while maintaining the thermoplastic material below its melting point by placing in heat exchange relationship therewith a solid of high heat conductivity.

2,242,118
MICROPHONE
Erich Fischer, Zurich, Switzerland
Application August 23, 1939, Serial No. 291,560
In Germany August 25, 1938
8 Claims. (Cl. 179—122)



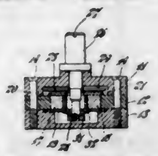
1. A microphone device for the transmission of speech from the human organ of speech, comprising a microphone and a holder for said microphone, said microphone and holder being shaped and dimensioned to permit unhampered speaking when inserted in the cavity of the mouth, and clamping means for detachably securing said holder on the inner face of the cheek.

2,242,119
HERBARIUM
Barbara Gabor, Milwaukee, Wis.
Application December 26, 1939, Serial No. 311,000
3 Claims. (Cl. 129—20)



1. In a herbarium, a binder for specimen-receiving leaves, comprising separate front and back cover members having pairs of slots therethrough adjacent the upper and lower edges of the same, the slots of each pair being respectively adjacent the front and back edges of the cover members, and tapes roved through said slots so as to extend across the inner surfaces of the cover members between the slots, said cover members being adjustable along the tapes to varying distances apart for accommodating a vary number of leaves therebetween, and the ends of the tapes being adapted to be tied across the front edges of the cover members and leaves for securing the herbarium in closed condition.

2,242,120
HOLDER FOR PIEZOELECTRIC DEVICES
Ernest Lett Gardiner, Middlesex County, England, assignor to Simmonds Development Corporation Limited, London, England
Application June 28, 1940, Serial No. 343,036
In Great Britain July 4, 1939
4 Claims. (Cl. 171—327)

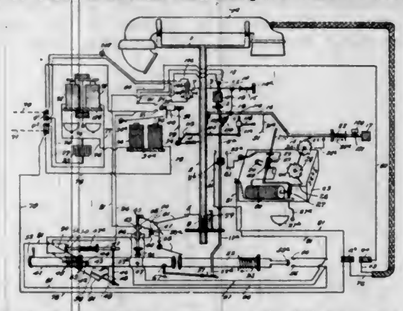


1. In combination a piezoelectric crystal holder for accommodating two crystals comprising two independent pairs of electrodes, one pair for each crystal, and a differential condenser comprising a single rotor and two opposed stators, the said stators being constituted by one electrode of each of the said two pairs of electrodes.

2,242,121
SUBSTATION TELEPHONE SET
Ajoy Kumar Ghosh, Calcutta, India
Application January 14, 1937, Serial No. 120,542
In Great Britain February 3, 1936
2 Claims. (Cl. 179—7)

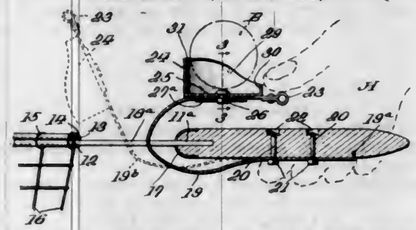
1. In a telephone system the combination of a subscriber's telephone set including a transmitting and a receiver unit capable of being electrically connected to an exchange, a receiver, a support for the receiver, circuit closing means actuated by the receiver support adapted to connect and disconnect the unit with the exchange, a toll meter located in the unit for registering

outgoing calls, manually actuated means for advancing the meter one digit after the receiver is raised to connect the unit with the exchange, a push rod having a switch closing member adapted to close a switch and adapted when closed to



signal the exchange when a "call" is not completed through the exchange, said last mentioned means adapted to close a circuit, and means at the exchange for retracting the meter one digit through said closed circuit when the "call" through the exchange is not completed.

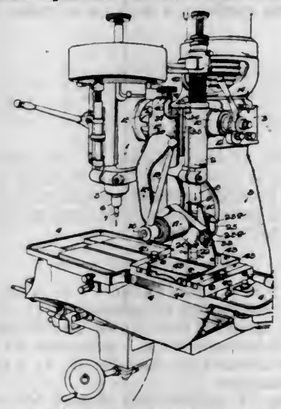
2,242,122
GAME APPARATUS
William Alexander Glover, Chattanooga, Tenn., and Addie Sue Wimberly, Rome, Ga.
Application April 9, 1940, Serial No. 328,746
10 Claims. (Cl. 273—96)



1. A game implement comprising a handle, a supporting ring having leg portions secured to said handle, said leg portions being outwardly bent intermediate the ends thereof, a net carried by said supporting ring for catching a projected game-piece, a flat spring having one end thereof secured to said handle and having the free end thereof extending between the outwardly bent leg portions, and means carried adjacent the free end of said spring for holding a game-piece whereby to permit setting and releasing of the spring to effect projection of the game-piece.

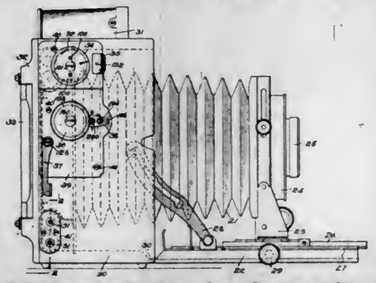
2,242,123
MACHINE TOOL ADAPTED FOR THE PRODUCTION OF CHERRYING CUTS OR SUBSTANTIALLY SIMILAR WORK
Peter M. Henkes and Fred Steinbrecker, Racine, Wis., assignors, by mesne assignments, to George Gorton Machine Co., Racine, Wis., a corporation of Wisconsin
Application January 26, 1939, Serial No. 252,966
21 Claims. (Cl. 90—11)

1. In a machine tool, in combination, a vertical rotary cutter spindle movable vertically and normally fixed against lateral movements; a work holder table operatively associated with said spindle and horizontally movable; a normally fixedly located rotary member provided with means for rotating the same, means actuated by rotary movements of said member for propelling said cutter spindle on its vertical movements,



and means actuated by said rotary movements of said member for simultaneously propelling said table on its horizontal movements.

2,242,124
SELF-CAPPING SHUTTER MECHANISM
Edson S. Hineline, Rochester, N. Y., assignor to The Folmer Graflex Corporation, Rochester, N. Y., a corporation of Delaware
Application May 2, 1939, Serial No. 271,335
54 Claims. (Cl. 95—57)

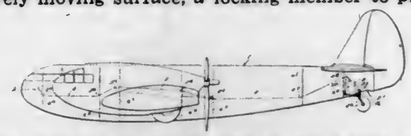


1. Shutter mechanism for photographic cameras including two separate, adjacent, sliding curtains of a self-capping shutter mechanism, means for separately controlling the movements of said curtains and including means for setting the curtains for predetermined shutter speeds, means to drop the first curtain for focusing purposes, means to open the second curtain while said first curtain is in a dropped condition, locking means to lock said first curtain in dropped position, and means cooperating therewith to prevent the second curtain from closing while the first curtain is locked, and means to release said locking means.

2,242,125
UNDERCARRIAGE MECHANISM FOR VEHICLES
George L. Hineman, Buffalo, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application October 27, 1938, Serial No. 237,338
7 Claims. (Cl. 244—102)

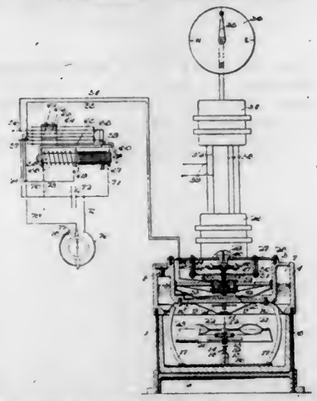
1. In an under carriage for vehicles, a retractible frame, retracting means, means to block said retracting means, a sleeve carried by said

frame, a spindle journalled in the sleeve, a vehicle supporting member attached to the spindle and adapted to receive support from a relatively moving surface, a locking member to pre-



vent pivoting of the spindle in the sleeve, and remote control means for said locking member, said remote control member actuating said blocking means when said locking member is in inoperative position.

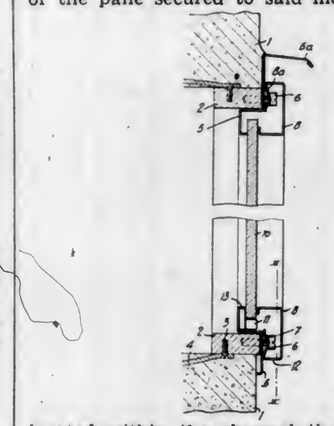
2,242,126
REMOTE INDICATOR
Bradford B. Holmes, New York, and Wladimir A. Reichel, Bellerose, N. Y., assignors to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware
Continuation of application Serial No. 104,326, October 6, 1936. This application June 25, 1940, Serial No. 342,394
15 Claims. (Cl. 177—351)



1. A remote reading compass comprising a magnet rotatable under the influence of the earth's magnetic field, a rotatable member, means controlled in rotation by said magnet and movable successively into and out of engagement with said member for angularly positioning the latter, a remote indicator, and an electrical transmission for maintaining angular synchronism between said member and indicator.

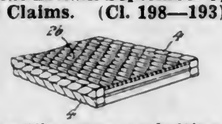
2,242,127
PANE RETAINING MEANS
Ivar Hjalmar Rudolf Holmquist, Stockholm, Sweden
Application May 3, 1938, Serial No. 205,835
In Sweden May 29, 1937
10 Claims. (Cl. 189—78)

1. In a structure for securing a pane of glass or other material in a frame, in combination, a screw having a head, said screw being screwed stationarily into said frame with the axis of its shaft having an extent in a direction transverse to the plane of the pane and with its head free and at a predetermined distance from the adjacent surface of the frame, while the end of said screw opposite said head is inaccessibly enclosed within said frame, a molding strip shaped to form a channel, said molding strip having one edge portion engaging said pane laterally and holding the same, and also having another portion engaging said frame laterally on said adjacent surface thereof into which said screw is screwed, and a resilient locking plate having resilience in the direction normal to the plane of the pane secured to said molding strip and



located within the channel thereof, said plate having a slot cut therethrough laterally for receiving the shaft of said screw resiliently, said plate being pushed on said screw laterally in the direction toward the center of the pane to engage the head of said screw from below, the ends of said molding strip being mitered so as to form closed end angles with adjacent molding strips.

2,242,128
CONVEYER BELTING
John Hornsby, London, England, assignor to British Belting & Asbestos Limited, London, England, a British company
Application September 5, 1939, Serial No. 293,501
In Great Britain September 9, 1938
5 Claims. (Cl. 198—193)

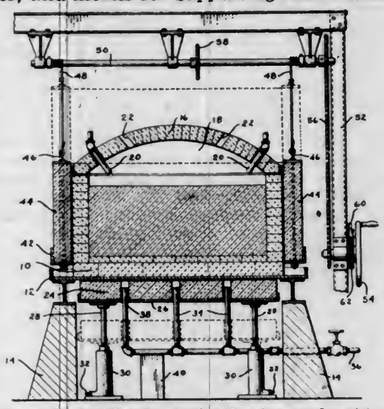


1. Woven textile conveyer belting for conveying coal and other materials comprising a woven body having a resilient cushioning layer on at least one face thereof comprising pile threads extending from the face of the body, said pile threads being impregnated with a resilient binding medium and being disposed in overlapping recumbent position against the face of the body and adhesively bonded to each other and to said body by a resilient bonding medium.

2,242,129
METHOD AND APPARATUS FOR MAKING OPTICAL GLASS
John C. Hostetter, West Hartford, Conn., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application February 7, 1939, Serial No. 255,130
9 Claims. (Cl. 49—54)

5. Apparatus for forming optical glass comprising a refractory container, means for supporting said container, means for melting a charge of glass therein, insulation substantially

enclosing the side walls and bottom of said container, and means for supporting said insulation



adjacent the sides and the bottom of said container independently of each other and of said container.

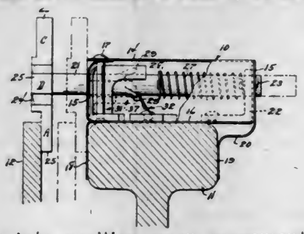
2,242,130
COZY BAG
William G. Hutchison, Portsmouth, Ohio
Application March 23, 1939, Serial No. 263,788
4 Claims. (Cl. 2—69)



1. An article of wearing apparel comprising a bag having an outer body portion of waterproof material and a lining of wool material or the like, said outer body portion and lining having complementary openings in their side walls from a point adjacent their bottoms through their open tops, slide fastenings for closing said openings, elastic means in the open top of said outer body portion to engage the waist to position said bag for enclosing the lower portion of the body, and means for detachably connecting the open top of the lining to the outer body portion, adjacent its open top and on the inner side thereof.

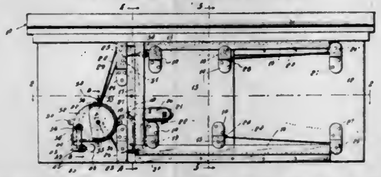
2,242,131
GAUGE
Ira P. Johnson, Melrose, N. Mex.
Application November 1, 1939, Serial No. 302,418
5 Claims. (Cl. 33—168)

1. An automatic railway switch testing device comprising, a frame, means for supporting said frame on a rail, a shaft slidably and rotatably mounted within said frame, and a plurality of gauge elements connected with said shaft for movement therewith as a unit to be successively



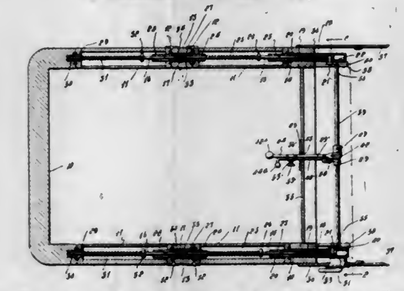
brought into position upon movement of said shaft.

2,242,132
FREIGHT CAR DOOR CLOSURE
Lionel R. Jodoin, Providence, R. I.
Application December 28, 1939, Serial No. 311,407
1 Claim. (Cl. 268—44)



In combination with the wall of a car having a doorway therethrough and a door slidable with respect to the doorway, rails secured to said wall at the top and bottom of the door having vertically disposed flanges laterally offset from the wall with free edges facing each other, rollers on said door slidably engaged with said free edges, draw elements connected adjacent one edge of the door, draw elements connected adjacent the other edge of the door, the offsetting of said flanges accommodating movement of the draw elements behind the flanges, an abutment member for one edge of the door connecting said rails and having a flange extending outwardly at a right angle to the door, the last mentioned flange having openings through which the draw members pass and are guided, pulleys on the wall to impart direction to the travel of the draw elements, and rotatable operating means relatively close to the abutment member to which the draw elements are connected operable to move either the first or second draw elements in one direction as the remainder are paid out.

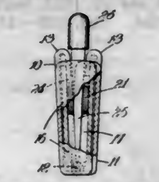
2,242,133
SAFETY MASTER LOCK
Oliver C. Kemp, Little Rock, Ark.
Application January 9, 1941, Serial No. 373,841
3 Claims. (Cl. 292—33)



1. In combination with a body having doors,

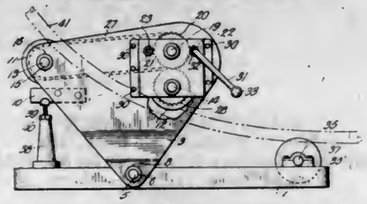
co-acting bolts and parts on the doors and body to lock each door, means to cause movement of one bolt through movement of another bolt, said bolts being in alinement, means operable to move the bolts to locked positions, means urging the bolts to unlocked positions and within the confines of the doors whereby they will open with the doors, said operating means comprising a bolt and means to actuate the latter, the actuating means having structure to enable fastening to the body from the inside, and a device to render said structure inoperative for the aforesaid purpose, to enable locking and unlocking from the outside of the body.

2,242,134
COMB CASE
Percy John Lynn, Harringay, London, England
Application April 19, 1940, Serial No. 330,633
In Great Britain August 21, 1939
6 Claims. (Cl. 132—1)



1. A comb case composed of a pair of hingedly connected members, a strip of bristles carried by each of the members, the strips each having sets of tufts, a clip formed from an H-shaped member having its legs folded about the cross bar of the H to form a U, the tufts being bent over the cross bar centrally of their lengths, a slotted backing plate for each of the members through which the legs of the U and the bent over parts of the tufts are passed and the legs of the U bent outwardly in opposite directions so as to hold the legs by and between the backing plates and the respective members.

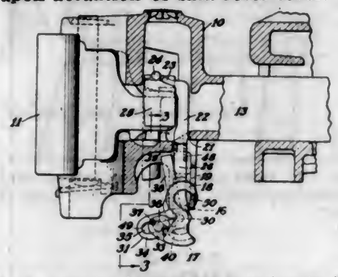
2,242,135
PIPE BENDING DEVICE
Howard A. Mertz, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application June 3, 1940, Serial No. 338,563
7 Claims. (Cl. 153—54)



1. A pipe bending device including in combination a base, a frame, means for pivotally mounting said frame on said base, a pair of rollers mounted in said frame, a roller mounted on said base, means for rotating one of said rollers and means for pivoting said frame to a desired position.

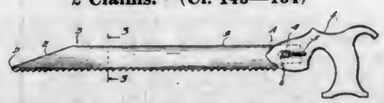
2,242,136
CAR COUPLER
William J. Metzger, Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application April 1, 1939, Serial No. 265,499
10 Claims. (Cl. 213—166)

1. In a car coupler comprising a head and a pivotally mounted knuckle, a lock for said knuckle, support means comprising a pair of elements depending from said coupler, each of said elements having a laterally outwardly extending bearing portion, a lift lever for operating said lock positioned between said elements and extending through an opening in the bottom of said coupler, said lever being formed with a vertical slot, a link pivotally connected to said lever within said slot and a rotor lever pivotally mounted on said bearing portions and connected to said link, said link being adapted to cooperate with said rotor lever and lift lever to transmit lifting movement from said rotor lever to said lift lever upon actuation of said rotor lever.



8. A car coupler having an opening in the bottom thereof, a pivotally mounted knuckle, a vertically movable lock for said knuckle having a leg extending downwardly through said opening, means comprising a bell crank lever pivotally joined to said leg having an upwardly extending portion normally underlying a portion of said coupler for limiting upward movement of said lock, support means comprising two elements depending from said coupler directly opposite each side of said leg, a lug extending laterally outwardly from each of said elements, and means pivotally mounted on said lugs adjacent the leg of said lock and pivotally connected to said first named means for withdrawing said portion from beneath the coupler and for raising said lock to unlocked position.

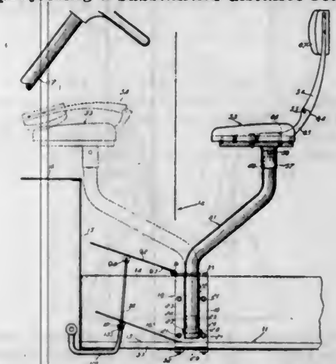
2,242,137
CONCAVE COMPASS SAW
Bernie Miller, Dallas, Tex.
Application August 1, 1939, Serial No. 287,687
2 Claims. (Cl. 143—134)



1. A compass saw having a concave blade and a handle for holding the blade, said concavity of the blade extending substantially the length of the saw blade, the end portion of the saw blade being curved slightly laterally and brought to a pointed end to direct the circular cutting operation of the saw.

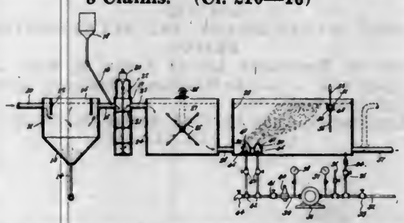
2,242,138
VEHICLE SEATING AND CONTROL ARRANGEMENT
George Edgar Muma, Detroit, Mich., assignor to Divco-Twin Truck Company, Detroit, Mich., a corporation of Michigan
Application December 15, 1938, Serial No. 245,967
14 Claims. (Cl. 180—77)

1. In a vehicle having controls arranged to be operated from sitting or standing positions, a low level platform extending transversely between oppositely disposed side doorways in the body of said vehicle, said platform being of standing height clearance and extending forwardly of the doorway at one side of the vehicle to provide a stand drive compartment adjacent said controls, means for swingably supporting a driver's seat above said transverse platform, said seat projecting a substantial distance rearwardly



into the through aisle above said platform for supporting the operator when the vehicle is to be driven from a sitting position and being swingable forwardly out of said aisle to a laterally inwardly displaced position, forwardly of the plane of the front edges of the doorways where it does not obstruct passage along said platform or interfere with an operator at the stand drive controls in said compartment.

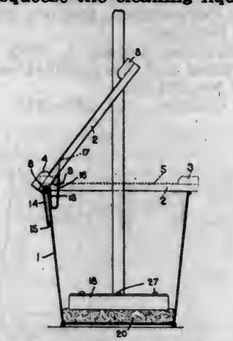
2,242,139
METHOD AND APPARATUS FOR WATER PURIFICATION
Walter C. Munroe, Annapolis, Md.
Application March 25, 1938, Serial No. 198,148
8 Claims. (Cl. 210—16)



1. A water purifying method which consists of the step of introducing a partially dissolved and intimately mixed body of air and water below the surface of water containing suspended floc while maintaining the water in a substantially quiet state whereby small air bubbles are absorbed by the suspended floc thereby changing the specific gravity of the suspended floc and float the floc to the upper surface.

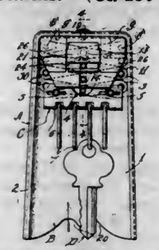
2,242,140
FLOOR CLEANING APPARATUS
James T. Murphy, Boston, Mass.
Application January 16, 1940, Serial No. 314,114
4 Claims. (Cl. 15—260)

1. A mop drainer, for use with a mop pail containing a cleaning liquid and a mop having a head of lesser length than the diameter of the bottom of the pail, comprising a narrow rigid screen member of greater length than the diameter of the top of the pail, means for pivotally mounting one end portion of said screen member upon the upper end of the pail to cause the drainer to extend substantially diametrically across the upper end of the pail and be supported thereby when the mop is pressed down upon it to squeeze the cleaning liquid out of the



mop and having resilient means operable normally to retain the screen member in such upwardly tilted position over the top of the pail as will permit the mop to be freely introduced into and removed from the pail and enable the screen member to be depressed by the mop upon the top of the pail while the saturated mop is within an area above the top of the pail.

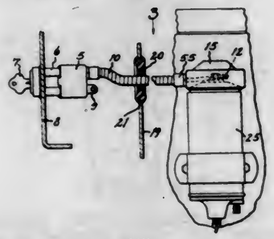
2,242,141
KEY POUCH
Daniel J. Nash, New York, N. Y.
Application October 12, 1939, Serial No. 299,174
4 Claims. (Cl. 150—40)



1. A key pouch including an approximately flat case having an opening at one end, a key-holding and ejecting mechanism in said case including a lazy tongs system of links comprising a plurality of pivotally connected pairs of links each pair of which consists of two links pivotally connected intermediate their ends, a key holder pivotally connected to the links at the end of said lazy tongs system nearer said opening in the case, a rigid supporting plate mounted in said case adjacent the end thereof opposite said opening, means connecting the links at the other end of said system to one side of said supporting plate for movement relative to each other to permit extension and contraction of said lazy tongs system for movement of said key holder toward and from said opening, and a spring for contracting said lazy tongs system, said supporting plate having a slot, and the pivot connecting one pair of links being a pin slidable in said slot and having one end projecting from the side of said plate opposite said lazy tongs system, and a latch including a plate mounted on the last-mentioned side of said sup-

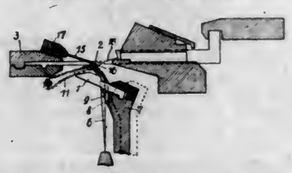
porting plate to releasably engage said projecting end of said pin for holding said lazy tongs system extended.

2,242,142
LOCK SWITCH COIL
Leslie O. Parker, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application August 3, 1935, Serial No. 34,556. Divided and this application August 25, 1939, Serial No. 291,831
7 Claims. (Cl. 180—82)



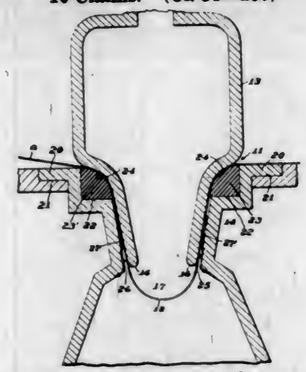
1. A protective mounting for a container adapted to be attached upon a support, comprising in combination, a coil housing having an open end; a cover having a flange to fit around the open end of the housing, said cover and the housing end having provisions for retaining the cover on the housing; means carried by the housing for attaching the housing to the support, conductive means including a switch mounted at a remote point for controlling a circuit through the coil, a flexible armor extending substantially taut between the coil and switch, and in such manner as to prevent disassociation of the retaining means between the coil end and cover until the attaching means for the coil has been removed from the support.

2,242,143
FLAT KNITTING FRAME
Max Richter and Anton Loimann, Chemnitz, Germany
Application November 12, 1937, Serial No. 174,227
In Germany November 16, 1936
4 Claims. (Cl. 66—96)



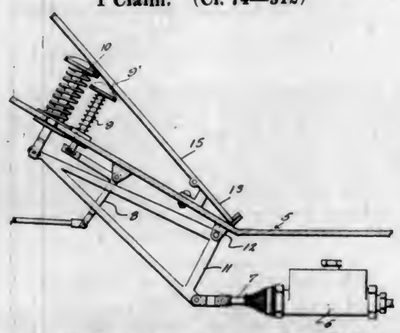
1. A flat knitting frame comprising frame needles, catching jacks for retransferring to the frame needles the initial loops of a selvage previously taken off therefrom by the catching jacks, a presser bar, and means situated within range of each second frame needle for compensating the lateral stress of the loops and for ensuring proper piercing of the initial loops by the frame needles to compensate for the oblique pull of the initial loops upon tensioning of the fabric, said frame needles, intended to pierce during retransfer of the initial fabric portion certain loops of the latter, being positioned so as to be farther away from the presser bar than the other frame needles.

2,242,144
APPARATUS FOR DRYING POROUS TEXTILE MATERIAL
Leslie A. Runton, Andover, Mass.
Application October 23, 1937, Serial No. 170,627
10 Claims. (Cl. 34—160)



1. In apparatus for drying a moving web of textile material the combination comprising a compressed air discharge nozzle having at the end thereof a mouth over which the web is drawn, means for supporting said web to loop over said end and mouth of the nozzle as the web is drawn whereby the apex of the loop will co-operate with said end of the nozzle to form a chamber into which air is discharged by discharge of air through said nozzle, means for preventing escape of air from the sides of said chamber and means for closing the ends of said chamber whereby said chamber is converted into a compression chamber for air compressed therein by discharge of air through said nozzle and the air thus confined and compressed in said chamber will be directed to pass through said web.

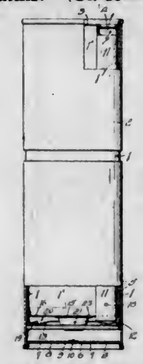
2,242,145
COMBINATION BRAKE AND ACCELERATOR PEDAL
Ferdie M. Rushfeldt, Grand Forks, N. Dak., assignor of one-half to William G. Lathrop, Grand Forks, N. Dak.
Application April 16, 1940, Serial No. 329,967
1 Claim. (Cl. 74—512)



In a device of the character described, a pair of rods slidably mounted through openings in floor boards of an automobile and arranged adjacent to each other, heads formed on the upper ends of said rods and provided with rounded faces, coil springs mounted on said rods and

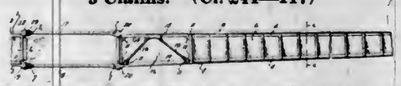
bearing against the heads and the floor boards to yieldably support the rods, means for connecting one of said rods to an accelerator mechanism of the automobile, a triangular shaped bell crank pivotally and slidably connected to the other rod and pivoted to a brake mechanism of the automobile and pivotally mounted on the floor boards of said automobile, a heel plate mounted on the floor boards, and diverging treadles hinged on the heel plate and resting on the rounded faces of the heads.

2,242,146
VALVE FOR CONTAINERS
Walter L. Rutkowski, Normandy, Mo., assignor to R. C. Can Company, St. Louis, Mo., a corporation of Missouri
Application February 12, 1940, Serial No. 318,426
7 Claims. (Cl. 43—147)



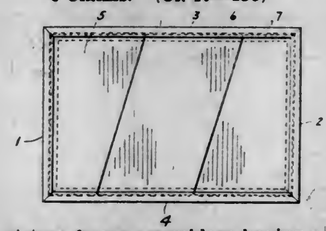
1. A check valve comprising a casing including the side wall of a powder container, a closure head for one end thereof and an auxiliary head of flexibly resilient material spaced from the closure head to form an air distributing chamber therebetween, said closure head having a central opening therein, the closure head being deformed to provide an annular channel concentric with the central opening, an inverted frusto-conical shaped valve projecting through said central opening, said valve being closed at its smaller end and open at its wider end and with the side wall of the valve normally engaging the edge of the central opening, an outstanding flange at the open end of the valve seated against the auxiliary head, said valve adapted to be moved, by means of air pressure, against the auxiliary head to provide an annular air inlet to the air distributing chamber, said auxiliary head having an opening therein, and a discharge tube projecting through said last mentioned opening and seated on the closure head adjacent the central opening so as to overlie the annular channel.

2,242,147
HINGE FITTING
Frank M. Salisbury, Kenmore, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application December 30, 1938, Serial No. 248,615
5 Claims. (Cl. 244—117)



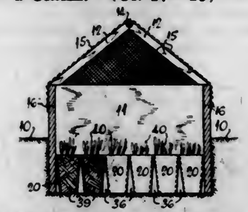
2. In a wing construction, a wing beam composed of two reenforcing members, a hinge fitting integrally formed on one of the extremities of each of the reenforcing members, bosses integrally formed with each of the reenforcing members adjacent the said hinge fittings, slotted flanges integrally formed with each of the reenforcing members and extending from the bosses to the extremities of the members opposite the hinge fittings, struts and gussets adapted to connect the two reenforcing members, said strut members being mounted on the said bosses and the extremities of the said gussets being mounted in the slots of the said flanges.

2,242,148
PICTURE FRAME ASSEMBLAGE
Homer M. Sanders, Sharon, Pa.
Application June 14, 1939, Serial No. 279,016
6 Claims. (Cl. 40—156)



1. A picture frame assemblage having a frame fashioned with a molding formed with a channel postjacent the fascia and a pictural card within said frame between said channel and fascia, in combination with a plate-like member having its margins seated in said channel and coacting with said fascia to maintain said card fixed within said frame, said member having a plurality of sections arranged in side by side relation and being of a sufficient flexibility to permit bowing of the outermost sections for insertion within the frame in advance of the remainder of said sections to enable the remainder of said sections to be likewise inserted in said frame and seated in said channel between said outermost sections and in abutting and jacent relation with said outermost sections upon movement of the latter in a direction away from each other and into seating relation with said channel.

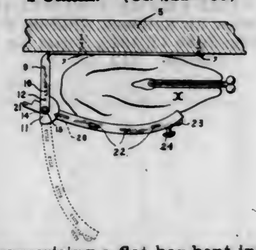
2,242,149
PLANT CONTAINER AND SEEDBED FORMED THEREFROM
Starr W. Shelley, Charlotte, N. C.
Application December 5, 1939, Serial No. 307,646
1 Claim. (Cl. 47—19)



A seedbed for growing plants for transplanting, comprising a rectangular box and a plurality of pasteboard seed boxes having open upper and lower ends and being rectangular in horizontal cross-section throughout their height, and having opposed pairs of walls converging as they progress downwardly, the sizes and num-

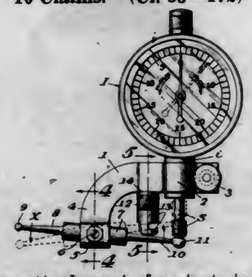
bers of seed boxes being sufficient to cause their upper edges to present a planular unbroken upper surface so that soil may be dumped onto all the seed boxes without any of the soil entering the spaces between the lower portions of the seed boxes, and when a seed is planted in each seed box and water is applied thereto, the circulation of air between all of the sidewall surfaces of the seed boxes will prevent decomposition of the seed boxes while the plants therein are growing.

2,242,150
ARTICLE RETAINING RACK
Klaus Sievers, Modoc Point, Oreg.
Application September 28, 1938, Serial No. 232,029
1 Claim. (Cl. 211—89)



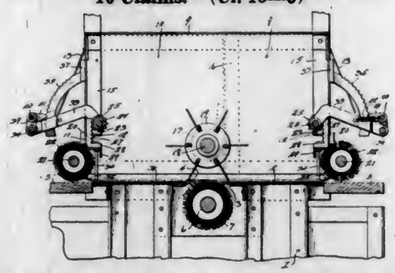
A rack comprising a flat bar bent into triangular formation to constitute a base secured to a supporting surface at its apex and divergent ends, right angled arms integral with said divergent ends arranged to extend uniformly outward in spaced parallel relation, studs fixed in the outer ends of said arms to extend inwardly in alinement and having enlarged heads at their inner ends, a flat bar fixed in one of said arms and slidable in the other arm, a rectangular rack frame pivoted near its ends on said studs, said rack frame being concavely curved in the direction of said base, a plurality of slats fixed in spaced relation in said rack frame, ratchets fixed to said arms in opposed relation on the axis of said studs, detent pins set in said rack frame to normally engage the teeth of said ratchets, said base frame arms being yieldable under pressure to clear said detent pins from the teeth of said ratchets, extensions on the ends of said rack frame contactable with the bar in said arms to limit the swinging movement of said rack frame, and torsion springs encircling said studs tending to normally urge said rack frame towards said base.

2,242,151
ATTACHMENT FOR TEST INDICATORS
James G. Sisson, Athol, Mass., assignor to The L. S. Starrett Company, Athol, Mass., a corporation of Massachusetts
Application July 6, 1940, Serial No. 344,294
10 Claims. (Cl. 33—172)



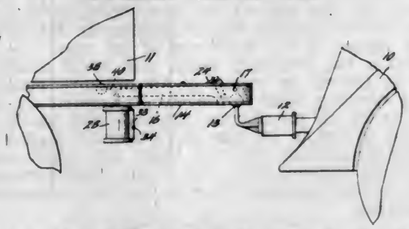
1. In an attachment for test indicators, a bracket for clamping to the spindle bearing, a work contacting lever, means pivoting said lever between its ends in said bracket with one end disposed under the spindle end and a rotatable shell having a depending hook disposed to embrace an adjacent portion of the lever, an axial retaining stud supporting the rotatable shell on said bracket, and a compression spring between the stud and shell and axially effective to hold said shell yieldingly to said bracket against normal spindle projective action.

2,242,152
RUG BEATER
Frederick S. Smith, Graniteville, Mass., assignor to C. G. Sargent's Sons Corporation, Graniteville, Mass., a corporation of Massachusetts
Application May 4, 1940, Serial No. 333,385
10 Claims. (Cl. 15—5)



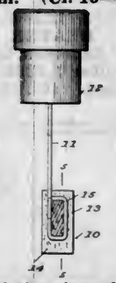
1. In a beater of the character described including a beater bed, feed brushes disposed at opposite sides of the bed and a beater above the bed and between the brushes, a presser unit extending across the bed from one feed brush to the other and lying between the bed and the beater, suspension means for the presser unit at each side of the bed, and means connected with the suspension means for facilitating vertically moving the sides of the unit independently or together.

2,242,153
BRAKE MECHANISM
Theodore F. Thompson, Des Moines, Iowa
Application May 4, 1939, Serial No. 271,761
3 Claims. (Cl. 188—112)



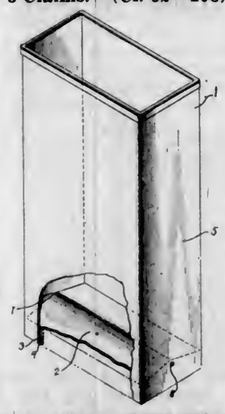
1. In a trailer hitch, the combination with members adapted for attachment to a towing vehicle and a trailing vehicle respectively, of a third member having a pivotal connection with each of said first members, at least one of said pivotal connections comprising a universal joint, said pivotal connections having horizontal axes defining a common, substantially vertical plane, brake mechanism for said trailing vehicle, means connected with said third member for operating said brake mechanism on occurrence of relative displacement of said first named members longitudinally of said vehicles, and a dashpot connected to said third member for resisting relative longitudinal displacement of said first named members.

2,242,154
DAUBING IMPLEMENT OR THE LIKE
Abraham E. Tomkin, Washington, D. C.
Application August 30, 1938, Serial No. 227,557
1 Claim. (Cl. 15—210)



An implement of the class described comprising a rectangular head of absorbent material in a substantially uncompressed condition, said head having a cut continuous around the periphery of the same leaving an uncut core with edges parallel to adjacent exterior surfaces of the head, a wire continuous about said edges consisting of portions parallel to and contacting the respective edges of said core, said wire being disposed in the cut and spaced inwardly from the exterior surfaces of the head, one terminal of said wire being extended through the cut to provide an exterior manipulating shank, and the other terminal of the wire contacting the first mentioned terminal and extending in the opposite direction for stiffening purposes.

2,242,155
ICE RECEPTACLE
Migiel J. Uline, Washington, D. C., assignor to The R F C Mortgage Company, Richmond, Va., a corporation of Maryland
Application August 3, 1938, Serial No. 222,892
3 Claims. (Cl. 62—108)



3. As a new article of manufacture, an ice can adapted to be immersed in a body of liquid for the manufacture of artificial ice comprising a rectangular body, a bottom portion secured therein and spaced from the lower edge thereof, the said body and bottom portions thereby forming a recess beneath the bottom portion, the said bottom portion being composed of two flat surfaces lying in different planes, said surfaces intersecting at the center of the bottom portion to form a ridge, said ridge extending completely across the said container and forming the highest point within the recess, and each of the ends of the said ridge registering with a vent opening, said openings consisting of apertures through opposed walls of the can positioned directly beneath the ridge.

2,242,156
SKI
James M. Wallace, Adams, Wis., assignor to Herman Harmsen
Application September 19, 1940, Serial No. 357,465
6 Claims. (Cl. 280—11.13)



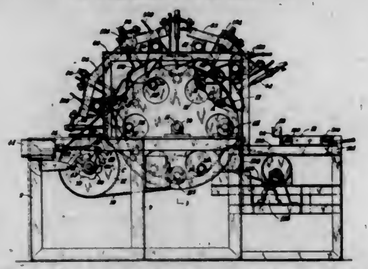
1. A ski comprising an elongated metal strip having an upwardly curved end forming the forward end of the ski, the longitudinal edges of said strip being turned upwardly, an upwardly bowed strip of metal secured at its side edges to portions of the side edges of the ski and disposed rearwardly of and adjacent the upturned forward end of the ski, said last mentioned strip forming a toe clip, and the upturned side edges of the ski, rearwardly of the toe clip, being turned inwardly and rolled to form a heel catch for combining with the toe clip to retain the foot of the rider in position on the ski.

2,242,157
CRANK MECHANISM
Harry J. Waechter, Mount Healthy, Ohio, assignor to Paul Benninghofen and Fritz G. Diesbach, both of Hamilton, Ohio, as trustees
Original application June 1, 1938, Serial No. 211,203. Divided and this application February 6, 1940, Serial No. 317,565
1 Claim. (Cl. 74—528)



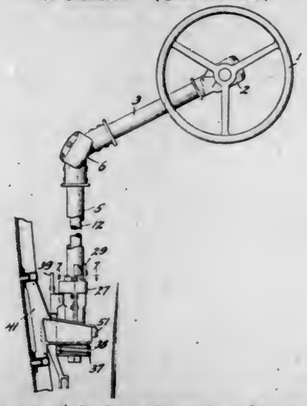
A crank mechanism for rotating a shaft, said mechanism comprising a crank arm fixed to the shaft, a stop lug formed on the outer swinging end of the crank arm, a cam member on the outer swinging end of the crank arm providing a cam surface, a yieldable lug mounted adjacent the swinging end of the crank arm, said lug normally disposed in the path of movement of the cam member mounted on the outer end of the crank arm, the cam surface of said cam member inclined for directing said yieldable lug into the path of movement of the stop lug, said stop lug and cam member spaced apart so as to permit the yieldable lug to move upward behind the cam member and out of the path of the stop lug after the crank arm has been stopped and released.

2,242,158
MACHINE FOR AND METHOD OF HARDENING CAMS
Stowell C. Wasson, Beauford E. Gavin, and Frank R. Pollard, Indianapolis, Ind., assignors to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application December 17, 1938, Serial No. 246,402
20 Claims. (Cl. 266—4)



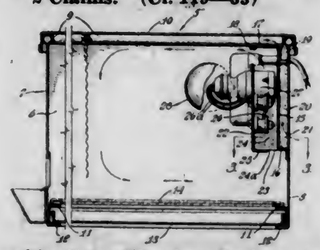
4. In a flame hardening machine, means for intermittently moving articles to be hardened through the machine and for holding said articles stationary during periods of rest in said movement, means for rotating said articles each about its own axis, only during said movement, means directing a high temperature flame on selected portions only of said articles during periods of rest and means for quenching the heated selected portions of said articles.

2,242,159
STOWABLE CONTROL COLUMN
Robert A. Wolf, Kenmore, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application July 7, 1938, Serial No. 217,999
2 Claims. (Cl. 244—83)



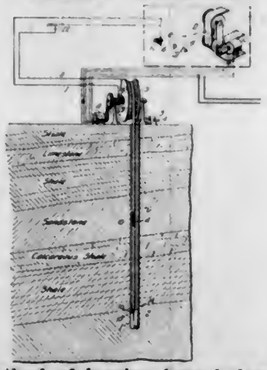
1. A control device adapted to be mounted in the fuselage of an airplane to operate the elevator and aileron control surfaces of the airplane comprising a column, a rotative means contained within the column, a base for the column, pivotal means attached to the fuselage upon which the base is mounted in such a manner that the free end of the column is movable in a fore and aft direction in respect to the fuselage, a device attached to the elevator control surfaces, said device being pivotally mounted on the said pivotal means, means to detachably connect said device to said control column, a device attached to the aileron control surfaces of the airplane, means to detachably connect said device to said rotative means, and means for releasing said column from said base whereby the column may be raised a sufficient distance to disconnect the column and rotative means from the said devices connected to the control surfaces of the airplane thereby permitting the column to be rotated about its own axis on the said base.

2,242,160
HEATER
Albert E. Anderson, Quincy, Ill.
Application December 7, 1938, Serial No. 244,457
2 Claims. (Cl. 119—33)



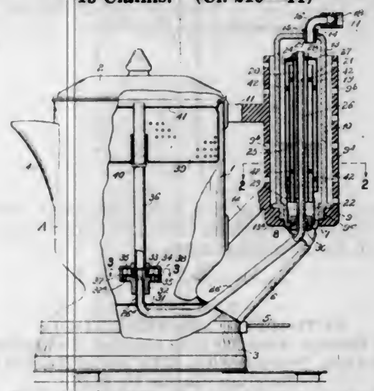
1. In combination with a brooder having an air inlet in one wall intermediate its upper and lower ends, a heater comprising a casing secured to the inner face of said wall and spaced therefrom opposite the air inlet to provide a vertical narrow passage closed at its lower end below the inlet and having its upper end directed inwardly from said wall and opening within the brooder, said casing having a restricted opening in its lower end and a large opening at its upper end below the inwardly directed end of the narrow passage, and automatically controlled heating means within said casing.

2,242,161
METHOD OF LOGGING DRILL HOLES
Lawrence F. Athy and Harold R. Prescott, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application May 2, 1938, Serial No. 205,554
3 Claims. (Cl. 73—51)



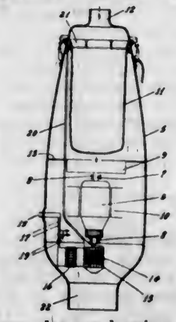
1. A method of logging bore holes, including the steps of introducing into the bore hole a chemical reactant adapted to react with the material forming the bore hole in a reaction producing a temperature change, measuring the temperature along the bore hole and recording variations in temperature with respect to depth to obtain the desired bore hole log.

2,242,162
COFFEE MAKING APPARATUS
Stephen J. Bachardy, Allentown, Pa.
Application February 16, 1939, Serial No. 256,795
15 Claims. (Cl. 219—44)



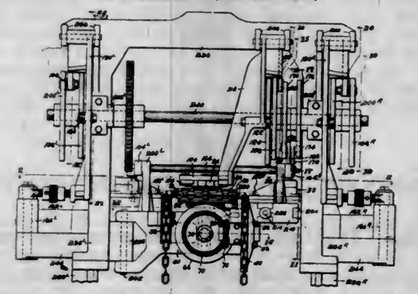
1. In coffee making apparatus, in combination, a coffee pot or vessel comprising a water chamber, a coffee holding receptacle at the upper portion of said water chamber, a percolator pipe in said chamber to supply water to the coffee in the coffee holding receptacle, a water container separate from the pot and adapted to contain water for the generation of steam in said container, electrical heating elements in the container adapted to be conductively connected for passing of an electric current therethrough by water in the container, means for supplying electric current to said heating elements, a steam pipe leading from the upper portion of the water container to the percolator pipe, and means for establishing communication between the percolator pipe and the water holding area of the water chamber of the pot, the water received in the water container acting as a timing means for maintaining the heating action of the heating elements incident to the conversion of said water into steam that passes to the percolator pipe of the pot.

2,242,163
VACUUM CLEANER AND THE LIKE APPARATUS
Adolf Bargeboer, The Hague, Netherlands, assignor, by direct and mesne assignments, of three-fourths to N. V. Dikkers & Bargeboer, The Hague, Netherlands, a corporation of the Netherlands
Application March 23, 1938, Serial No. 197,577
In Great Britain March 30, 1937
3 Claims. (Cl. 21—127)



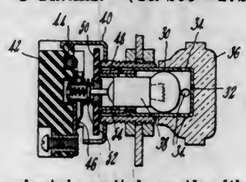
1. In a vacuum cleaner having an electric motor, a filter, and means driven by said motor for drawing dust laden air into said filter and exhausting filtered air into the atmosphere; means for ozonizing said filtered air before it is discharged into the atmosphere, and means for returning at least a portion of said ozonized filtered air to the dust laden air entering said filter.

2,242,164
CHAIN MAKING MACHINE
George E. Barstow, Lakeville, Mass.
Application July 3, 1940, Serial No. 343,784
20 Claims. (Cl. 59—31)



1. In a machine for manipulating a previously assembled chain, the combination of chain feeding means including dies which engage opposite surfaces of a link, and means to impart a relative movement to said dies, one toward the other, to subject said link to pressure.

2,242,165
OPERATING MEMBER FOR ELECTRIC SWITCHES AND THE LIKE
Hugh W. Batcheller, Newton, Mass., assignor to Standard Mfg. Co., Worcester, Mass., a corporation of Massachusetts
Application May 3, 1937, Serial No. 140,294
3 Claims. (Cl. 200—172)

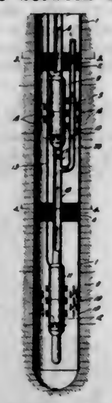


1. In an electric switch or the like, an operating member comprising a tubular metal shaft closed at one end and having lateral apertures adjacent to said closed end, and a knob of translucent plastic material molded directly onto said end and adjacent side wall so as to cover said apertures.

2,242,166
APPARATUS FOR OPERATING OIL WELLS
Edwin O. Bennett, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application October 17, 1940, Serial No. 361,569
1 Claim. (Cl. 103—1)

An oil well including in combination a casing running through two vertically separated producing horizons, said casing formed with perforations adjacent said producing horizons, packers within said casing above and below the perforations adjacent said upper producing horizon, a first pump, said pump taking suction within said casing between said packers, discharge tubing for said first pump positioned within said casing and communicating with the surface, a second pump, said second pump taking suction within

said casing below said lower packer, discharge tubing for said second pump for conducting oil through the space between said packers, said



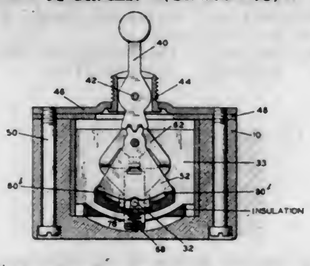
second discharge tubing communicating with the annular space above the upper packer formed by said casing and the discharge tubing of said first pump, and means for actuating said pumps.

2,242,167

MULTIPOSITION ELECTRIC SWITCH

Robert H. Bentley and Walter L. Dietrich, Hartford, Conn., assignors to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut

Application November 8, 1939, Serial No. 303,472
34 Claims. (Cl. 200—78)



1. In an electric switch, fixed and movable switch contacts, means to move said movable contact into more than two positions of rest, handle means for operating the switch and means including stationary and movable members cooperating to prevent said movable contact upon moving from one position toward an adjacent position from moving through said adjacent position without remaining therein when said handle means is made to over-travel substantially in an effort to move said movable contact through said adjacent position without stopping, the cooperation of said stationary and movable members being independent of current flow in the switch.

2,242,168

PLANT SUPPORT

Yngve David Bergman, Nassjo, Sweden

Application October 15, 1938, Serial No. 235,235
In Sweden May 11, 1937
2 Claims. (Cl. 47—47)

1. A plant support comprising a stake, means having a series of openings formed therethrough and being slidably mounted longitudinally of said stake, an open end ring having an end thereof inserted through one of said openings and the



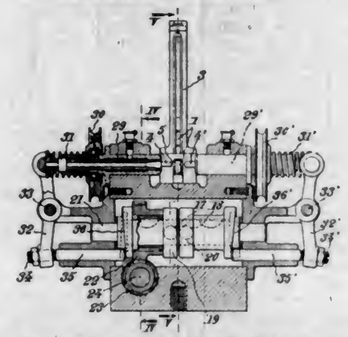
opposite end of said ring being bent and having two separate portions thereof each inserted through one of said openings.

2,242,169

AUTOMATIC MACHINE TOOL

Marc Birkigt, Versoix, near Geneva, Switzerland

Application December 28, 1938, Serial No. 248,132
In Belgium March 12, 1938
3 Claims. (Cl. 77—21)



1. An automatic machine tool which comprises, in combination, a frame having therein a space for at least one piece to be machined and a discharge passage for the machined pieces communicating with said space, at least one tool carried by said frame adapted to act on a piece present in said space, means for moving said tool into and out of operative position, a feed magazine carried by said frame having an aperture communicating with said space, two superposed members movable in said frame with parallel rectilinear reciprocating motions, one of said members being adapted to support a piece present in said space, during the machining, means operable after said tool has been moved out of operative position to move said last member to open the communication between said space and said discharge passage for evacuation of the last mentioned piece, the other member being adapted to control the communication between said feed magazine and said space, to bring the pieces from said magazine successively into working position in said space and to hold them in said position, and means for reciprocating said second member.

2,242,170

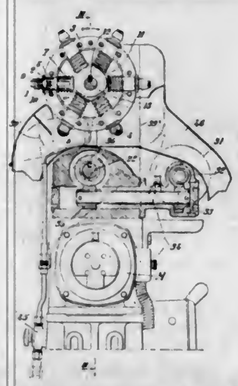
MACHINE TOOL

Marc Birkigt, Versoix, near Geneva, Switzerland

Application December 28, 1938, Serial No. 248,134
In Belgium May 19, 1938
8 Claims. (Cl. 77—21)

1. In a machine tool for machining a piece

provided with a thread, the combination of a support and at least one tool movable with respect to each other, a piece holder movably mounted in said support and provided with a thread engageable with the thread on the piece, said holder being adapted to be partly disengaged from said support for insertion and re-



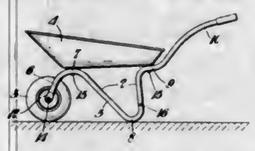
moval of the piece into and out of said holder, the shape of said holder being such that the piece screwed therein can come into abutting contact with said support, and means for urging said holder toward the position thereof which brings said piece into contact with said support, for the operation of the said tool.

2,242,171

WHEELBARROW

Louis M. Boyle, Los Angeles, Calif., assignor to Boyle Manufacturing Company, a corporation of Delaware

Application May 14, 1940, Serial No. 335,176
2 Claims. (Cl. 280—52)



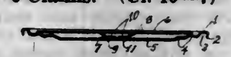
1. As an article of manufacture, a wheelbarrow including, in combination, a body member, a frame and a wheel, said frame consisting of a pair of spaced apart metallic members with each made from a single piece of material bent so as to provide a downwardly and outwardly extending wheel supporting flattened trunnion-like portion on the forward end thereof, a substantially U-shaped portion immediately above and rearwardly of said trunnion-like portion for supporting the front end of the body member, a downwardly extending substantially U-shaped leg portion disposed rearwardly of the front body supporting portion, a substantially horizontal portion disposed immediately above and rearwardly of said leg portion for supporting the rear end of said body member and an upwardly and rearwardly extending substantially horizontal handle portion disposed beyond the rear body supporting portion, all of said portions being arranged in substantially the same vertical plane, and means arranged between the flattened trunnion-like portions of each of said frame members and carried solely thereby for rotatably supporting said wheel.

2,242,172

LABEL FOR CANS

Robert Rea Brown, New Canaan, Conn., assignor to Outserts, Incorporated, New York, N. Y., a corporation of New York

Application August 26, 1939, Serial No. 292,027
6 Claims. (Cl. 40—7)



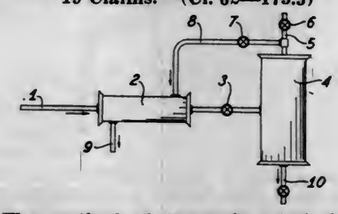
1. In combination, an article having a depressed area with oppositely disposed raised portions and a label spanning said depressed area, said label being flexible and having edge portions thereof resting upon said raised portions, and a tab attached at one end to said label intermediate its edges for holding said label in place, said tab being flexible and having its end portion attached to said depressed area of said article.

2,242,173

METHOD FOR RECOVERING LIQUIDS FROM GASES

Stuart E. Buckley, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application March 31, 1939, Serial No. 265,095
19 Claims. (Cl. 62—175.5)



1. The method of recovering desirable liquefiable constituents from natural gas which is initially at a high pressure within the retrograde condensation range of said constituents which comprises, cooling said gas sufficiently to condense said constituents while reducing said high pressure substantially only within the retrograde condensation range of said constituents at the reduced temperature, and separating the resulting condensed constituents from uncondensed gas.

2,242,174

LUBRICATING COMPOUND MANUFACTURE

Robert E. Burk, Cleveland Heights, and Herman P. Lankelma, Shaker Heights, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application August 16, 1938, Serial No. 225,078
6 Claims. (Cl. 252—48)

1. A lubricating compound, comprising an oil of lubricating viscosity having an incorporated sulphur compound and a lead salt consisting of a salt whose acid component is an oxidation acid of oxidation of petroleum hydrocarbons of 350–550° F. B. P.

2,242,175

PROCESS OF SEPARATING SOAP STOCK

Benjamin Clayton, Houston, Tex., and Benjamin H. Thurman, Bronxville, N. Y., assignors to Refining, Inc., Reno, Nev., a corporation of Nevada

No Drawing. Application October 5, 1937, Serial No. 167,470
8 Claims. (Cl. 260—425)

1. In the process of continuously separating

soap stock from alkali treated glyceride oils, which includes, delivering a mixture of said soap stock and glyceride oil to a rapidly rotating centrifugal bowl in which the soap stock collects adjacent the outer wall of the bowl prior to being discharged therefrom and constituents of the soap stock tend to adhere to said wall of the bowl, and separately discharging said soap stock from said bowl, the improvement which comprises, incorporating an anti-sticking agent with at least said soap stock adjacent the wall of said bowl to prevent said constituents from adhering to said wall.

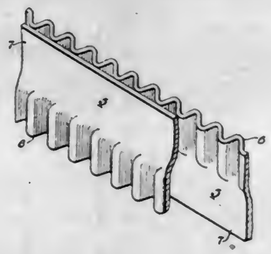
2,242,176

RIBBON BURNER

John R. Denise, Columbus, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York

Application November 9, 1940, Serial No. 365,077

3 Claims. (Cl. 158—116)



1. As an article of manufacture for a ribbon burner, a metal strip having a longitudinally extending series of transversely extending crimps along one longitudinal edge only of the strip whereby the said one longitudinal edge but not the other is sinuous in edge elevation.

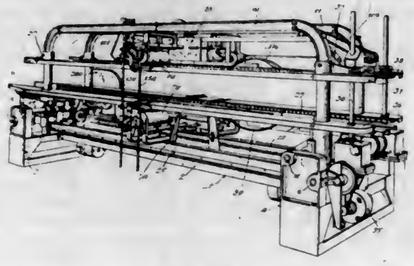
2,242,177

CARTON SEALER

John L. Ferguson, Joliet, Ill., assignor to J. L. Ferguson Company, Joliet, Ill., a corporation of Illinois

Application March 11, 1939, Serial No. 261,180

37 Claims. (Cl. 93—6)



1. In a container sealer having conveyor means, sealing means and flap handling means collectively capable of relative three-dimensional adjustment, indicator means settable to pre-select three-dimensional adjustment corresponding to any size carton within the limits of adjustment, and automatically operable means to consummate said adjustment in accordance with the indicator setting.

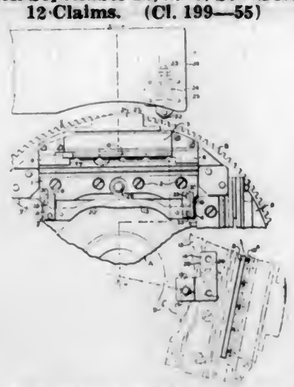
2,242,178

TYPOGRAPHICAL SLUG CASTING MACHINE

Herman R. Freund, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York

Application September 12, 1940, Serial No. 356,487

12 Claims. (Cl. 199—55)



1. In a slug casting machine, the combination with a slotted mold comprising cap and body elements one movable relative to the other to open and close the mold slot, of separate devices all distinct from the mold proper and operative of themselves directly and each independently of the other respectively to open, close and lock the movable element of the mold.

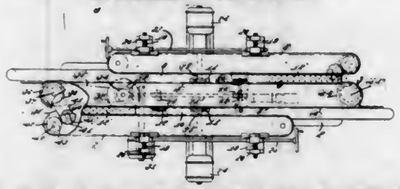
2,242,179

VENEER JOINTING AND GLUING MACHINE

George Milton Gustin, Wabash, Ind., assignor to The G. M. Diehl Machine Works, Wabash, Ind., a corporation of Indiana

Application August 1, 1938, Serial No. 222,310

10 Claims. (Cl. 144—1)



1. In a device of the character described, a pressure track for a conveyor belt comprising a plurality of pressure track brackets, each pivotally supported at one end, each bracket having pivotally mounted thereon a pressure track member, biasing springs for biasing said pressure track brackets in a pressure direction, each of the track members comprising a U-shaped segment, a continuously moving chain adapted to travel between the legs of said U-shaped members and pressure plates carried by said chain adapted to bear on said pressure tracks.

2,242,180

PROCESS OF MAKING COMBS FOR SHAVING IMPLEMENTS

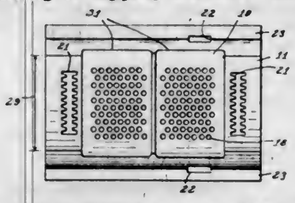
Ivar Jepson, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois

Application May 21, 1938, Serial No. 209,236

10 Claims. (Cl. 76—104)

1. The process of making a comb for a shaving implement including the steps of perforating

a strip of sheet steel to provide hair-receiving openings, forming the strip to dispose the perforated portion in a curved shape, hardening the strip, grinding or lapping the inner side of the



curved portion to provide accurately finished cutting edges at the inner end of the perforations, and grinding the outer face of the perforated portion to reduce the same to a thin section.

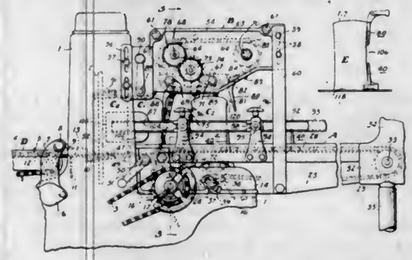
2,242,181

FEED MECHANISM FOR SLICING MACHINES

Arthur A. Kottmann, Davenport, Iowa, assignor to Micro-Westco, Incorporated, Bettendorf, Iowa, a corporation of Delaware

Application December 16, 1937, Serial No. 180,150

19 Claims. (Cl. 146—155)



1. In a slicing machine, a cutter mechanism comprising a plurality of spaced blades, a table for supporting an article during slicing, a pair of flight conveyors, each paralleling the path of articles to the blades and disposed on opposite sides thereof, the flights of the conveyors extending into said path and cooperatively engaging the rear sides of articles to advance the articles to the blades, the flights on both conveyors being withdrawn substantially simultaneously from engagement with the articles at the end of each article advancing movement and having central portions and marginal end portions, the central portions extending further into the article path toward the opposite flights than the marginal portions, and article guides longer than one of the conveyors movable toward and away from one another between the marginal end portions of the cooperating flights.

2,242,182

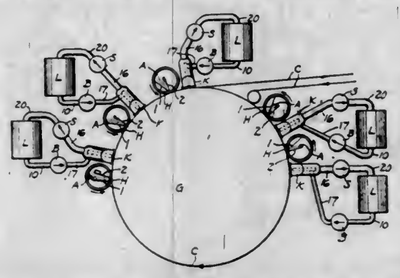
MACHINE FOR FLOCK PRINTING

Joseph A. McCann, Swansea, Mass.; Elizabeth S. McCann administratrix of said Joseph A. McCann, deceased

Application July 23, 1938, Serial No. 220,935

10 Claims. (Cl. 41—1)

3. The combination in a multi-colored flock printing machine; of a revoluble cloth carrying main cylinder; with a plurality of flock applying assemblies, each assembly including a revoluble pattern roll with a surface in contact with the cloth on the main cylinder and having the same surface speed, means for applying adhesive to the pattern of the pattern roll, and a combined blowing and sucking mouthpiece positioned proximate to and parallel with the delivery side of said pattern roll, all parts of the edge of the mouthpiece being close to the main cylinder, said mouthpiece including a blowing mouth inside a



sucking mouth; a foraminous closed flock container and means to carry flock therefrom by a current of air to and through the blowing mouth; and other means to suck the air and surplus flock through the sucking mouth from around the blowing mouth and to deliver it into said container.

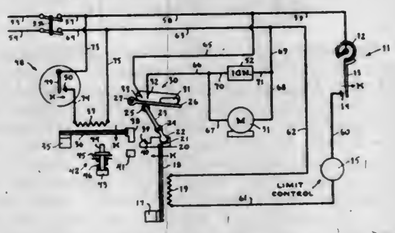
2,242,183

FUEL BURNER CONTROL SYSTEM

William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application June 21, 1939, Serial No. 280,302

16 Claims. (Cl. 158—28)



1. A control system comprising in combination, first and second timers, a fuel feeding device, a first means for causing actuation of said first timer to render said fuel feeding device operative, and second means responsive to combustion produced by said fuel feeding device for causing actuation of said second timer, said first timer rendering said fuel feeding device inoperative again after a predetermined length of time unless said second means shall have caused actuation of said second timer first to cause it to mechanically oppose further movement of said first timer to prevent such action.

2,242,184

FLUID TRANSMISSION SYSTEM

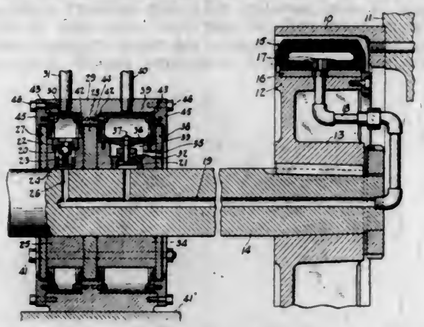
Carl R. Reuter, Milwaukee, Wis., assignor to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application September 12, 1938, Serial No. 229,436

6 Claims. (Cl. 137—69)

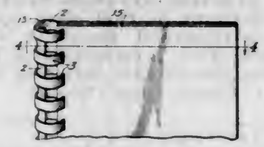
6. In a control system for a rotary fluid pressure container, the combination of means including a fluid actuated valve rotatable with said container for transmitting and sustaining fluid pressure to and in the latter, a valve rotatable

with said container operable to release fluid pressure from the latter, and means non-rotatable



with said container for operating said last named valve during rotation of said container.

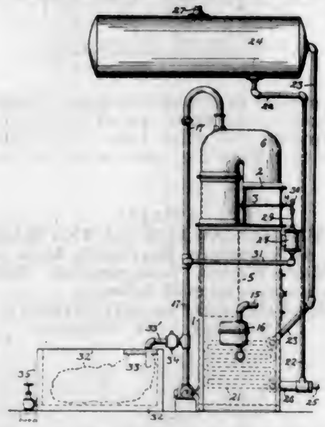
2,242,185
BINDER
Isidore Spinner, Chicago, Ill., assignor to Plastic Binding Corporation, Chicago, Ill., a corporation of Delaware
Application November 29, 1938, Serial No. 242,962
5 Claims. (Cl. 281—21)



1. An article of manufacture comprising a binder for insertion into a stack of sheets provided with aligned perforations along one of their edges, said binder being of plastic resilient material preformed to substantially the ultimate shape it is to have after complete insertion into the stack and including a back and a plurality of teeth integral with the back and extending from one longitudinal edge thereof, said teeth being curved to constitute a plurality of loops adapted to be flexed, out of their normal positions an amount sufficient for receiving the stack of sheets between the ends of the open loops and automatically recurled under their own resiliency to pass through the aligned perforations, the free end of each tooth extending beyond the back and in contact with the adjacent part of the loop along the same curvature as the rest of the tooth and exerting a spring pressure against the part of the loop overlapped thereby to prevent accidental withdrawal of pages bound by the binder, each loop extending through an arc greater than 360°, said back projecting inwardly of the loops at a sharp angle to the circumference of the loops so as to lie within the loops and in a plane substantially parallel to the plane of an adjacent sheet.

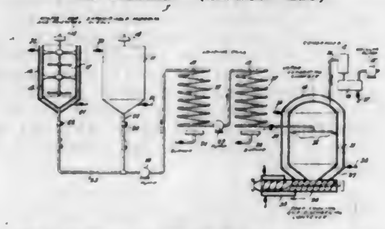
2,242,186
SMOKE PRECIPITATOR AND HEAT SALVAGER FOR FURNACE GASES
Daniel E. Stair, Fort Wayne, Ind., assignor of one-half to John W. Dickens, Fort Wayne, Ind.
Application August 12, 1939, Serial No. 289,933
4 Claims. (Cl. 261—9)

4. A smoke precipitator having a box providing a precipitating chamber and a sump, a chute having baffles disposed therein, said chute extending into and terminating at its lower end within said chamber, a smoke-flue having separate communicating connections with said chute and the chamber, a damper in said smoke-flue located between said connections whereby to cause the flow of furnace gases selectively through the precipitator or directly through the smoke-flue accordingly as the damper is closed or opened, means in connection with the sump and the chute to cause water contained in the



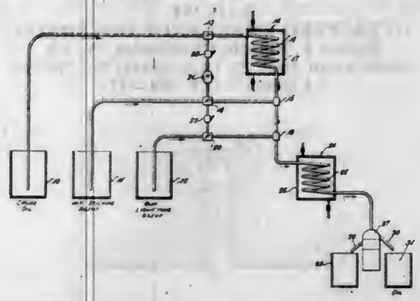
sump to circulate downwardly through said chute, automatically controlled means for supplying water to said sump and maintaining a predetermined level of the water therein, and an operating member having connection with said damper and said means activated by pressure of the water in said means whereby the damper is automatically closed during circulation of the water through the chute and opened when said circulation ceases.

2,242,187
PROCESS OF MAKING SOAP
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application March 5, 1938, Serial No. 194,222
10 Claims. (Cl. 260—418)



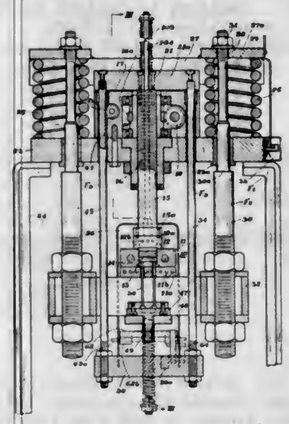
1. The process of producing soap and recovering glycerine, which comprises, mixing substantially anhydrous powdered alkali with a glyceride oil substantially free of uncombined fatty acids, heating a flowing stream of said mixture to a temperature at least as high as the melting point of said alkali and above the melting point of the soap when anhydrous to produce soap and liberate glycerine, and thereafter delivering said stream into a vapor separating zone and separating said glycerine in substantially anhydrous vapor form from said soap to produce substantially anhydrous molten soap.

2,242,188
REFINING OF VEGETABLE OILS
Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada
Application August 30, 1940, Serial No. 354,888
15 Claims. (Cl. 260—425)



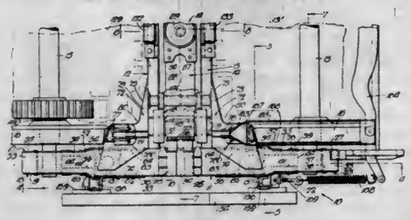
1. The process of partially refining vegetable oils containing gums, which comprises, mixing an aqueous solution of water soluble salt other than alkali metal halides and strongly alkaline salts with said oil to precipitate gums and reducing the viscosity thereof, and thereafter centrifugally separating the precipitated gums from said oil, whereby the oil entrained with said gums is reduced.

2,242,189
AUTOMATIC MOLDING PRESS
Victor I. Zelov, Rosemont, and William Strauss, Philadelphia, Pa., assignors to Molded Insulation Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application June 5, 1937, Serial No. 146,550
Renewed October 31, 1939
19 Claims. (Cl. 18—16)



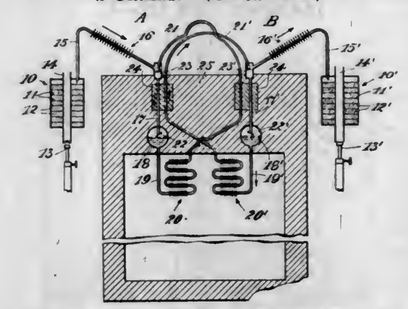
1. A machine for molding articles from plastic molding material comprising, in combination, a mold having a movable part whereby said mold may be opened and closed, means for supplying a charge of molding material to the mold, means for ejecting the molded article from said mold, operating means for opening and closing said mold and for actuating both of said means in timed relation to each other, means tending to stop the operation of said operating means after an article is ejected from said mold, and means controlled by an article as it is ejected from said mold for rendering said stopping means ineffective.

2,242,190
CAR TRUCK FRAME
Martin P. Blomberg, Hinsdale, and William H. Mussey, Chicago, Ill., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application January 28, 1939, Serial No. 253,420
13 Claims. (Cl. 105—190)



1. In combination, hollow sheet metal side frame members, a pair of hollow sheet metal transoms extending transversely to said members and rigidly connected thereto, and hollow sheet metal gusset members extending across the outer angles formed by said frame members and transoms.

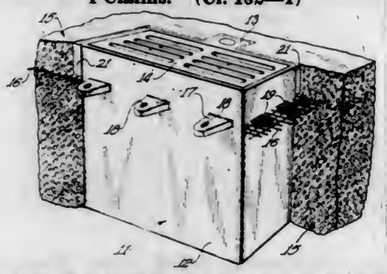
2,242,191
ABSORPTION REFRIGERATING APPARATUS
Nils Erland af Kleen, Stockholm, Sweden
Application November 19, 1940, Serial No. 366,200
In Sweden September 16, 1938
2 Claims. (Cl. 62—118)



1. In absorption refrigerating apparatus of the intermittent type including combined absorbing and generating means adapted to be heated and cooled alternately for the generating and absorbing periods, respectively, of the apparatus, and condensing means connected to said combined absorbing and generating means for liquefying the refrigerant vapors generated during the generating periods; an evaporating system for the refrigerant liquefied by said condensing means, comprising an evaporator arranged below said condensing means, a downwardly extending conduit for delivering relatively warm liquid refrigerant from said condensing means to said evaporator during each generating period, a separate conduit extending upwardly from said evaporator and terminating in communication with the upper end of said first-named conduit, for the passage of relatively cold refrigerant vapors from said evaporator during each absorbing period, and non-return valve means in each of said conduits for preventing the upward flow of refrigerant vapors through

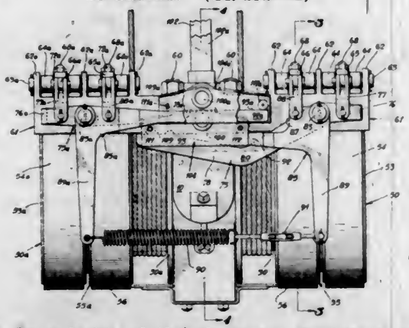
said first-named conduit during the absorbing periods, and the downward flow of liquid refrigerant through said second-named conduit during the generating periods.

2,242,192
WASTE TRAP
Arthur Gordon, Chicago, Ill.
Application January 21, 1939, Serial No. 252,088
4 Claims. (Cl. 182—1)



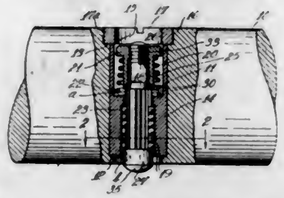
1. The combination of a trap, a supporting structure surrounding said trap and having reinforcing means forming a part thereof, means secured to said trap and extending into said supporting structure, and means securing said last means to said reinforcing means.

2,242,193
POWER TRANSMISSION AND BRAKE CONTROL FOR HOISTS
Frank P. Lawler, Huntington Park, Calif.
Application March 24, 1939, Serial No. 263,916
10 Claims. (Cl. 192—4)



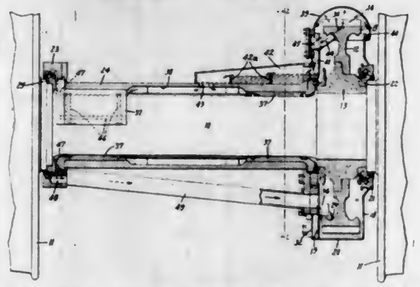
1. In a hoist of the character described, the combination of: a spool supported for rotation; a brake for said spool normally applied to hold said spool from rotation, said brake having an individual control lever; a drive member having a power connection whereby it may be continuously rotated; clutch means for causing said drive member to drive said spool, said clutch means being normally in inactive condition and having an individual control lever; and control means for said brake and said clutch means, said control means comprising a control member movable in two directions, said control member having means effective when said control member is moved in one of its directions of movement, to sequentially engage said clutch means lever and said brake lever and to move said levers in such manner as to first actuate said clutch means so that said drive member will apply a driving force to said spool and then actuate said brake so as to release said spool, and said control member having means effective when it is moved in the other of its directions of movement, to move said brake lever so as to release said brake while said clutch means is in said inactive condition, whereby said spool will be free to rotate.

2,242,194
OVERSPEED EMERGENCY GOVERNOR
Walter F. Reisch, Charleston, W. Va.
Application June 12, 1939, Serial No. 278,749
3 Claims. (Cl. 264—17)



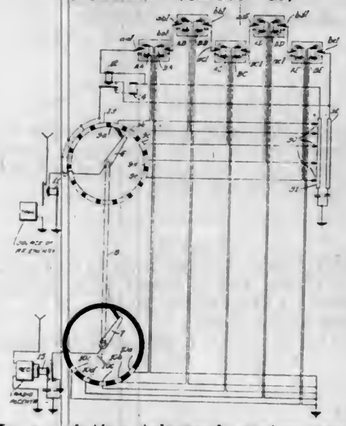
2. In subcombination a sleeve for housing a centrifugal plunger type, spring controlled, ball bearing governor comprising a cylindrical sleeve having a relatively large chamber at one end for receiving the governor spring, a smaller chamber at its other end for housing said ball bearings, and an interconnecting bore concentric to said chambers, said bore and said relatively large chamber forming an annular shoulder of substantial width against which one end of the governor spring is designed to abut and said bore and said smaller chamber forming an annular shoulder of a lesser width against which the end balls of said ball bearings abut when said plunger is retracted.

2,242,195
GEARED AXLE DRIVE
John W. Teker, Wesleyville, and James C. Rhoads, Erie, Pa., assignors to General Electric Company, a corporation of New York
Application August 31, 1940, Serial No. 355,004
6 Claims. (Cl. 184—11)



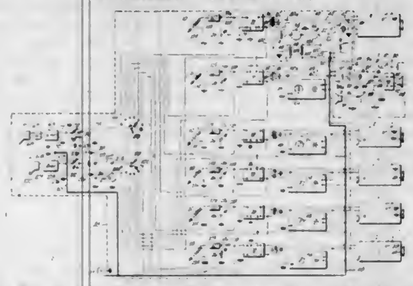
1. An axle driving construction including an axle, a gear operatively connected to said axle, an annular groove in said gear communicating with the teeth of said gear, a gear casing arranged about said gear to provide a lubricant reservoir, means cooperating with said gear on rotation thereof for pumping lubricant from a portion of said casing about said gear into an adjacent portion of said casing, means for returning lubricant from said adjacent casing portion into said annular groove in said gear, a bearing for said axle, means for collecting excess lubricant from said gear, means including a settling channel for conducting the collected lubricant to said bearing, and means for collecting excess lubricant from said bearing and returning the collected excess lubricant to said gear casing.

2,242,196
TELEGRAPH SYSTEM
Alfred Edward Thompson and Reginald Dennis Salmon, Croydon, England, assignors to Creed and Company Limited, Croydon, England
Application May 6, 1939, Serial No. 272,116
In Great Britain May 17, 1938
8 Claims. (Cl. 178—69)



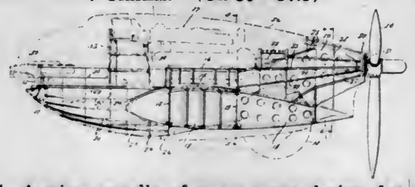
1. In a printing telegraph system employing transmission and retransmission of signals, a printing telegraph transmitter system comprising means for transmitting a signal combination, means for receiving said retransmitted signals, means for automatically comparing said received signals with the transmitted signal combination and means operative in response to the signal comparison for sending a print signal followed by a second signal combination or a non-print signal followed by a retransmission of the first mentioned signal combination according as the two signal combinations compared are the same or different.

2,242,197
SOUND REPRODUCING SYSTEM
Bernard G. West, Leonard A. West, and Richard T. Pounds, Long Beach, Calif., assignors, by mesne assignments, to Jesse T. West, trustee
Application February 11, 1939, Serial No. 255,884
22 Claims. (Cl. 179—6)



1. In a sound reproducing system, the combination of: a central station having a plurality of reproducing units thereat, each of which includes a reproducing means for reproducing previously recorded material from a record tablet; a plurality of control stations, one for each of said reproducing means, situated remotely from said central station and having sound producing means thereat; means connecting each of said sound producing means to its associated reproducing means for reproducing at said control station previously recorded material reproduced by the associated reproducing means; manually operable control means at each of said control stations; an indicating means at said central station for each of said control means responsive to operation thereof for indicating to an operator at said central station operation of the associated control means; sound responsive means at said central station; selector means at said central station for selectively connecting said sound responsive means to any one of said sound producing means; another sound responsive means at each of said control stations; another sound producing means at said central station; and transfer means at said central station cooperating with said selector means and operable by said operator for connecting said sound responsive means to said sound producing means selected by said selector means and for connecting said other sound responsive means to said other sound producing means, whereby telephonic communication is established between said operator and a person at said control station.

2,242,198
NACELLE CONSTRUCTION
Robert J. Woods, Grand Island, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application July 7, 1938, Serial No. 217,988
7 Claims. (Cl. 89—37.5)

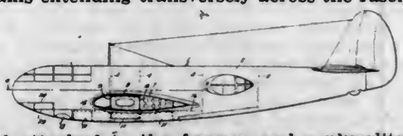


1. A wing nacelle of monocoque design for an outboard powered airplane provided with a main airfoil, said nacelle having useful enclosed spaces forward and aft of the power unit; comprising a pair of lateral beams mounted on opposite sides of the pitch axis of the airplane and attached to the main beam of the said airfoil, a pair of longitudinal beams attached to and extending rearwardly from the said lateral beams, a frame supported by the extremities of the longitudinal beams, stringers supported by the said frame, a bearing mounted in the frame, a power unit mounted on the longitudinal beams at a position above the point of intersection of the pitch and roll axes of the airplane, and a propeller shaft extending rearwardly from the power unit, said shaft being supported by the bearing.

2,242,199
AIRPLANE FLOOR AND COWLING CONSTRUCTION
Robert J. Woods, Grand Island, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application August 24, 1938, Serial No. 226,571
8 Claims. (Cl. 244—117)

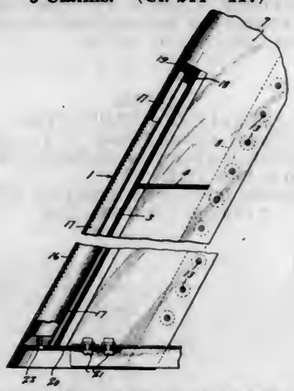
1. An airplane comprising a fuselage of monocoque structure, frames and an outer skin

mounted on said frames, a pair of wing ribs mounted on opposite sides of the fuselage, a wing beam connecting the said wing ribs and extending transversely through the fuselage, a flooring attached to the said outer skin, a plurality of beams extending transversely across the fuselage



and attached to the frames, and a plurality of beams mounted on the first mentioned beams and extending longitudinally of the fuselage, said longitudinally extending beams being attached to the wing beam and forming a support for said flooring.

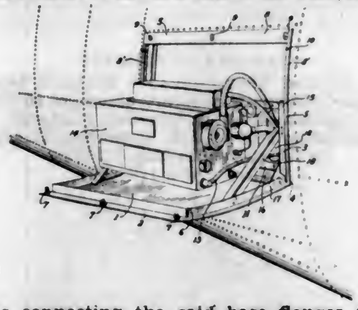
2,242,200
AIRPLANE STRUCTURE
Robert J. Woods, Grand Island, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application December 1, 1938, Serial No. 243,477
6 Claims. (Cl. 244—117)



1. In an airplane having an airfoil surface, a parabolic-shaped assembly of plastic material having dielectric properties, the extremities of said assembly being rabbeted and attached to the outer surface of the airfoil in such a manner that the assembly forms one of the edges of the said airfoil, a plurality of transverse bulkheads attached to the assembly and extending into the airfoil, a beam extending longitudinally through the assembly and dividing it into two compartments, the assembly having an insulating socket in one end of one of the compartments, a flexible buffer within the socket, said assembly having an outlet aperture in the opposite end of the said compartment, said socket and buffer being adapted to support a radio antenna.

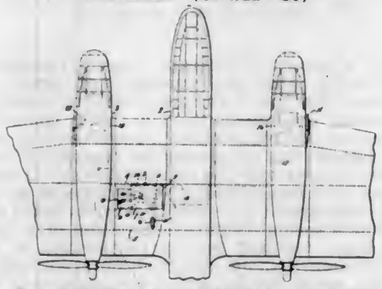
2,242,201
HINGED MOUNT
Robert J. Woods, Grand Island, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application December 30, 1938, Serial No. 248,633
3 Claims. (Cl. 244—129)

1. In a fuselage structure for an airplane, an accessory mount comprising a rectangular-shaped frame mounted in an aperture of the fuselage, a door pivotally mounted on the bottom portion of the frame, a base rigidly mounted on the inside of the door, said base forming a right angle with said door, stiffening flanges mounted on three sides of the door and of the base, support



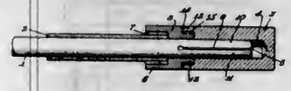
strips connecting the said base flanges to the door flanges, and resilient mountings positioned on the base, said mountings being adapted to secure an airplane accessory.

2,242,202
AUXILIARY MOTOR INSTALLATION
Robert J. Woods, Grand Island, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application December 1, 1938, Serial No. 243,476
2 Claims. (Cl. 244—53)



1. An assembly of an internal combustion motor together with its cooling and ventilating equipment all faired within the normal contour of an airplane wing in such a way that no projections extend therefrom, comprising a fuselage, a wing, means to form a motor compartment bounded on its upper side by a portion of the upper surface of the wing next to the fuselage, said motor compartment being bounded on its lower side by a portion of the lower surface of the wing, a hatch removably separating said motor compartment from the fuselage, louvers formed in a portion of the lower surface of the wing that also forms the lower wall of said motor compartment, said louvers being arranged to draw air downward out of the compartment when the airplane is in normal horizontal flight, whereby fumes that may escape from the motor may be drawn away from the fuselage and whereby any movement of air past said hatch may be toward the louvers, an intake connection for cooling air in the bottom wall of the compartment, a casing extending from said intake opening and extending to and enclosing the combustion-chamber portion of the motor, said casing also extending from said enclosing portion toward the trailing edge of the wing to an opening in the top surface of the wing, and an exhaust connection extending from said combustion-chamber portion of the motor to said opening in the top surface of the wing, said exhaust connection extending inside said casing and terminating in a tapered end, whereby a flow of cooling air is induced through said casing to cool the motor and exhaust pipe and carry away fumes.

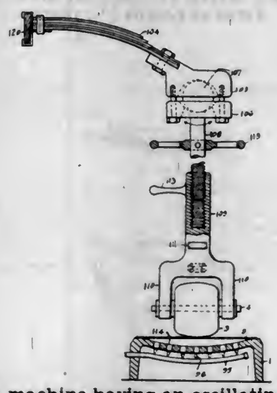
2,242,203
ELECTRICAL HEATING ELEMENT
Hans-Heinrich Schwarzkopf, Detroit, Mich., assignor to American Electro Metal Corporation, Lewiston, Maine, a corporation of Delaware
Original application July 20, 1938, Serial No. 220,211. Divided and this application November 30, 1939, Serial No. 306,779
6 Claims. (Cl. 201—64)



1. An electrical heating element comprising, in combination, a rigid metallic resistor at least one end of which is resilient substantially radially, a ceramic gas-tight cover for said resistor, said resilient end projecting beyond said cover, a hollow metallic plug gas-tightly and rigidly connected with the adjacent end of said cover and engaging said resilient end so that a permanent electrical contact is established between said plug and said resilient end and the latter can move relative to the former:

2,242,204
SHEET METAL FORMING MACHINE
Homer R. Kennedy, Los Angeles, Calif.
Application February 13, 1939, Serial No. 256,019
5 Claims. (Cl. 153—39)

1. In a machine of the class described the combination of an overhead supporting structure having mounted thereon a spring adapted to exert a downward pressure, an upper oscillating arm connected to said spring, a lower oscillating arm telescopically connected with said upper oscillating arm, said lower oscillating arm carrying a roll adapted to the forming of sheet metal; means for adjusting the length of the combined upper and lower oscillating arms to vary the pressure of said forming roll on said metal; heating means attached to said lower oscillating arm and adapted to be oscillated with the forming roll as it passes over the sheet metal to be formed.



5. In a machine having an oscillating arm with a roller depending from said arm and riding against a forming block; the combination of means associated with the block for heating the shaping surface thereof and flame projecting elements surrounding the roller and supported and carried by said oscillating arm and roller whereby the work is heated above the forming block simultaneously with the movement of said roller.

DESIGNS

MAY 13, 1941

127,105
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Irving Borek and Maurice H. Meyer, New York, N. Y.
Application March 24, 1941, Serial No. 99,789
Term of patent 3½ years





The ornamental design for a brooch or similar article, substantially as shown and described.

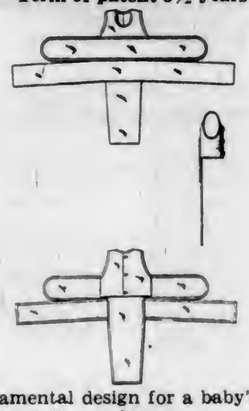
127,106
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Dominick J. Calderazzo, Dolgeville, N. Y.
Application March 25, 1941, Serial No. 99,867
Term of patent 3½ years





The ornamental design for a shoe or similar article, substantially as shown.

127,107
DESIGN FOR A BABY'S CHAIR HARNESS
Ida M. Creed, San Francisco, Calif.
Substituted for abandoned application Serial No. 85,104, May 20, 1939. This application August 24, 1940, Serial No. 94,605
Term of patent 3½ years



The ornamental design for a baby's chair harness, substantially as shown.

127,108
DESIGN FOR A BROOCH OR SIMILAR ARTICLE OF JEWELRY
Edmond Foret, New York, N. Y., assignor to Cartier, Inc., New York, N. Y., a corporation of New York
Application March 26, 1941, Serial No. 99,906
Term of patent 3½ years



The ornamental design for a brooch or similar article of jewelry, as shown.

127,109
DESIGN FOR A HANDBAG
Henry Green, Far Rockaway, N. Y.
Application February 20, 1941, Serial No. 99,127
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown and described.

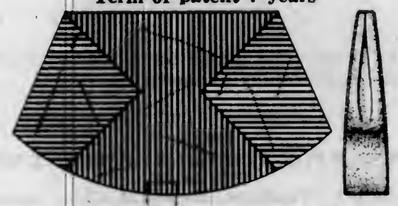
127,110
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Irving E. Grossmann, Stamford, Conn.
Application April 8, 1941, Serial No. 100,210
Term of patent 3½ years





The ornamental design for a shoe or similar article, substantially as shown.

127,111
DESIGN FOR A HANDBAG
Irving Kaplan, Bronx, N. Y.
Application January 27, 1941, Serial No. 98,390
Term of patent 7 years



The ornamental design for a handbag, substantially as shown and described.

127,112
DESIGN FOR A COMBINED STAND AND CONTAINERS FOR PERFUMERY
Robert B. Karoff, New York, N. Y., assignor to Stuart Products Co., Inc., St. Paul, Minn.
Application March 2, 1940, Serial No. 90,632
Term of patent 3½ years





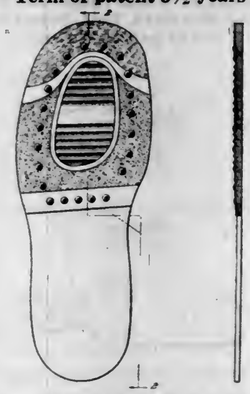
The ornamental design for a combined stand and containers for perfumery, as shown.

127,113
DESIGN FOR A FINGER RING
Felix P. Kinsley St. Louis, Mo.
Application September 23, 1940, Serial No. 95,304
Term of patent 14 years



The ornamental design for a finger ring, as shown and described.

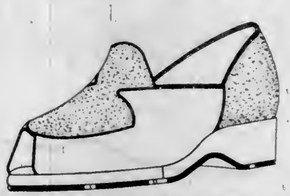
127,114
DESIGN FOR A SHOE SOLE
Joseph B. Reynolds, Hagerstown, Md., assignor to The Hagerstown Rubber Company, Hagerstown, Md., a corporation of Maryland
Application March 22, 1941, Serial No. 99,778
Term of patent 3½ years



The ornamental design for a shoe sole, substantially as shown.

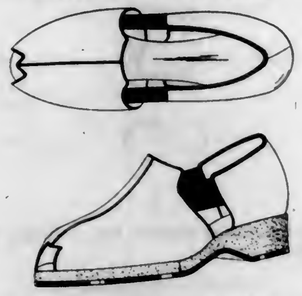
127,115
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Schuyler A. Wood, Dolgeville, N. Y.
Application March 12, 1941, Serial No. 99,503
Term of patent 3½ years





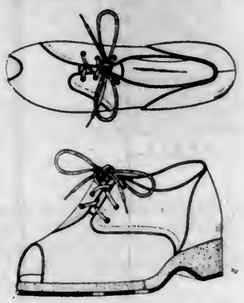
The ornamental design for a shoe or similar article, substantially as shown.

127,116
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Schuyler A. Wood, Dolgeville, N. Y.
Application March 12, 1941, Serial No. 99,504
Term of patent 3½ years



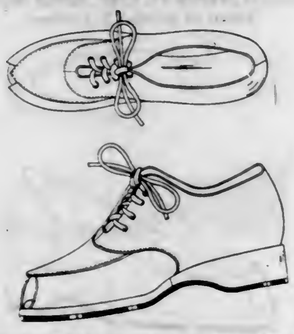
The ornamental design for a shoe or similar article, substantially as shown.

127,117
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Schuyler A. Wood, Dolgeville, N. Y.
Application March 12, 1941, Serial No. 99,505
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

127,118
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Schuyler A. Wood, Dolgeville, N. Y.
Application April 8, 1941, Serial No. 100,211
Term of patent 3½ years



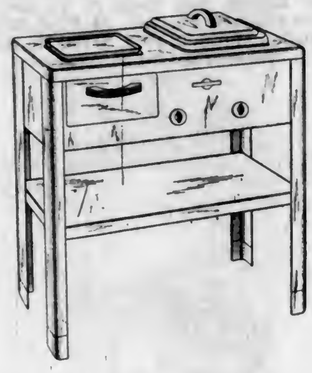
The ornamental design for a shoe or similar article, substantially as shown.

127,119
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Schuyler A. Wood, Dolgeville, N. Y.
Application April 8, 1941, Serial No. 100,212
Term of patent 3½ years



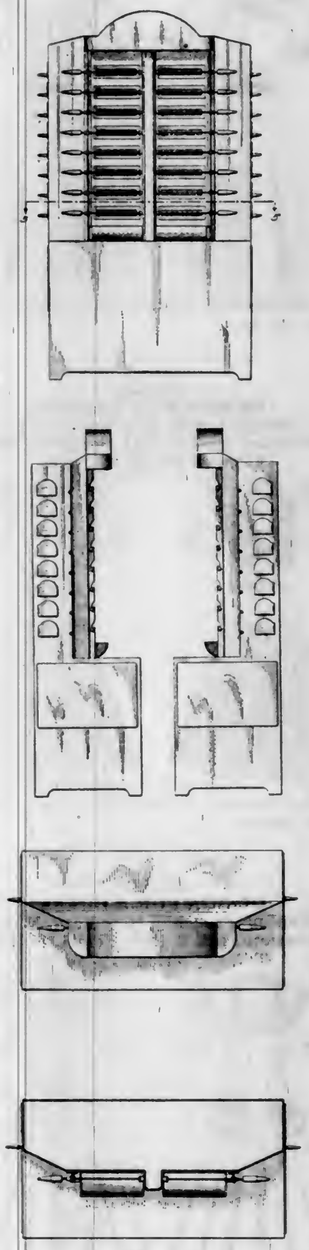
The ornamental design for a shoe or similar article, substantially as shown.

127,120
DESIGN FOR A COOKING APPLIANCE OR THE LIKE
Kenneth L. Woodman, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application January 10, 1940, Serial No. 89,369
Term of patent 14 years



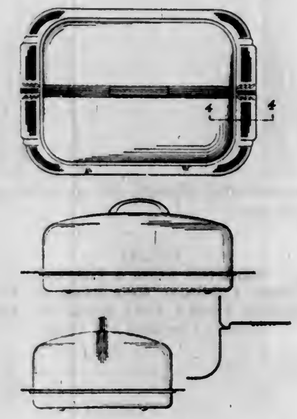
The ornamental design for a cooking appliance or the like, substantially as shown and described.

127,121
DESIGN FOR AN ELECTRIC GRILL
Dimitri George Andrews Zeppos, Detroit, Mich.
Application February 27, 1941, Serial No. 99,250
Term of patent 14 years



The ornamental design for an electric grill, as shown.

127,122
DESIGN FOR A BREAD CONTAINER
Manuel S. Ziskin, University Heights, Ohio, assignor to Kromex Corporation, Cleveland, Ohio, a corporation of Ohio
Application March 12, 1941, Serial No. 99,530
Term of patent 7 years



The ornamental design for a bread container, as shown.

127,123
DESIGN FOR A DRESS
Helen Bayor, New York, N. Y.
Application April 8, 1941, Serial No. 100,239
Term of patent 3½ years



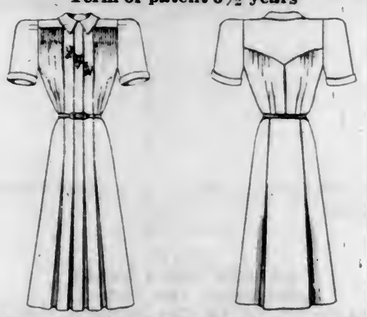
The ornamental design for a dress, substantially as shown.

127,124
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application April 8, 1941, Serial No. 100,234
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,125
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application April 8, 1941, Serial No. 100,235
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,126
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application April 8, 1941, Serial No. 100,236
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,127
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application April 8, 1941, Serial No. 100,237
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,128
DESIGN FOR A DRESS
Minna Fields, New York, N. Y.
Application April 8, 1941, Serial No. 100,240
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,129
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application April 8, 1941, Serial No. 100,241
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,130
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application April 8, 1941, Serial No. 100,242
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,131
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application April 8, 1941, Serial No. 100,243
Term of patent 3½ years



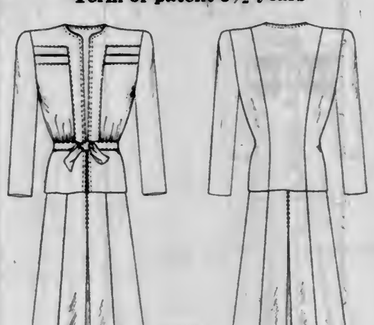
The ornamental design for a dress, substantially as shown.

127,132
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application April 8, 1941, Serial No. 100,244
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,133
DESIGN FOR A DRESS
Louis W. Goodkind, Freeport, N. Y.
Application April 9, 1941, Serial No. 100,271
Term of patent 3½ years



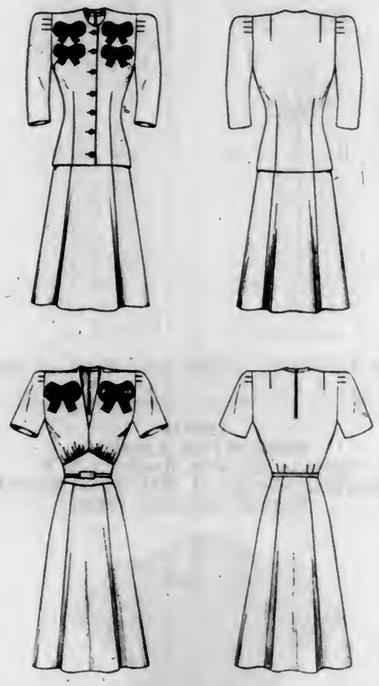
The ornamental design for a dress, as shown.

127,134
DESIGN FOR A DRESS
Herman Horowitz, Brooklyn, N. Y.
Application February 24, 1941, Serial No. 99,176
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,135
DESIGN FOR A DRESS ENSEMBLE
Sherle Jacobs, New York, N. Y.
Application April 8, 1941, Serial No. 100,245
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

127,136
DESIGN FOR A DRESS
Israel Lorberfeld, New York, N. Y.
Application April 5, 1941, Serial No. 100,164
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,137
DESIGN FOR A DRESS ENSEMBLE
Ottilie Conrad Nadel, New York, N. Y.
Application April 11, 1941, Serial No. 100,312
Term of patent 3½ years



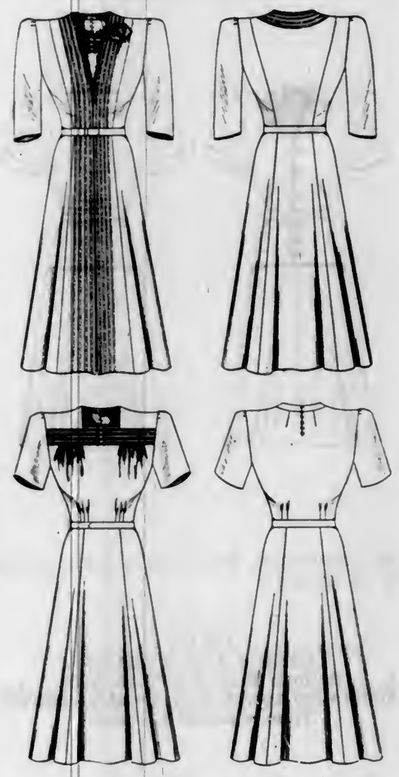
The ornamental design for a dress ensemble, substantially as shown.

127,138
DESIGN FOR A DRESS ENSEMBLE
Ottilie Conrad Nadel, New York, N. Y.
Application April 11, 1941, Serial No. 100,313
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

127,139
DESIGN FOR A DRESS ENSEMBLE
Blanche Price, Chicago, Ill.
Application April 5, 1941, Serial No. 100,158
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

127,140
DESIGN FOR A DRESS ENSEMBLE
Joseph Rosenberg, New York, N. Y.
Application April 8, 1941, Serial No. 100,233
Term of patent 3½ years



127,140—Continued



The ornamental design for a dress ensemble, substantially as shown.

127,141
DESIGN FOR A DRESS
Celia Shutman, New York, N. Y.
Application April 10, 1941, Serial No. 100,283
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,142
DESIGN FOR A DRESS
Janet F. Sondheim, New York, N. Y.
Application April 5, 1941, Serial No. 100,159
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,143
DESIGN FOR A DRESS
Janet F. Sondheim, New York, N. Y.
Application April 9, 1941, Serial No. 100,273
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,144
DESIGN FOR A DRESS
Janet F. Sondheim, New York, N. Y.
Application April 9, 1941, Serial No. 100,274
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,145
DESIGN FOR A DRESS
Janet F. Sondheim, New York, N. Y.
Application April 9, 1941, Serial No. 100,275
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,146
DESIGN FOR A DRESS
Hannah Troy, New York, N. Y.
Application April 8, 1941, Serial No. 100,252
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,147
DESIGN FOR A DRESS
Henry Weisberg, New York, N. Y.
Application April 11, 1941, Serial No. 100,310
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,148
DESIGN FOR A DRESS ENSEMBLE
Rose Barrack, New York, N. Y.
Application April 10, 1941, Serial No. 100,281
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

127,149
DESIGN FOR A DRESS ENSEMBLE
Rose Barrack, New York, N. Y.
Application April 10, 1941, Serial No. 100,282
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

127,150
DESIGN FOR A DRESS ENSEMBLE
William Bass, New York, N. Y.
Application April 5, 1941, Serial No. 100,156
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

127,151
DESIGN FOR A DRESS ENSEMBLE
William Bass, New York, N. Y.
Application April 8, 1941, Serial No. 100,251
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

127,152
DESIGN FOR A DRESS ENSEMBLE
William Bass, New York, N. Y.
Application April 5, 1941, Serial No. 100,157
Term of patent 3½ years



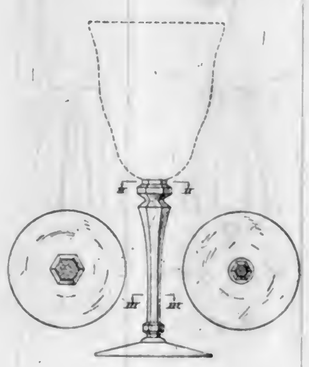
The ornamental design for a dress ensemble substantially as shown.

127,153
DESIGN FOR AN ENSEMBLE DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application February 10, 1941, Serial No. 98,882
Term of patent 3½ years



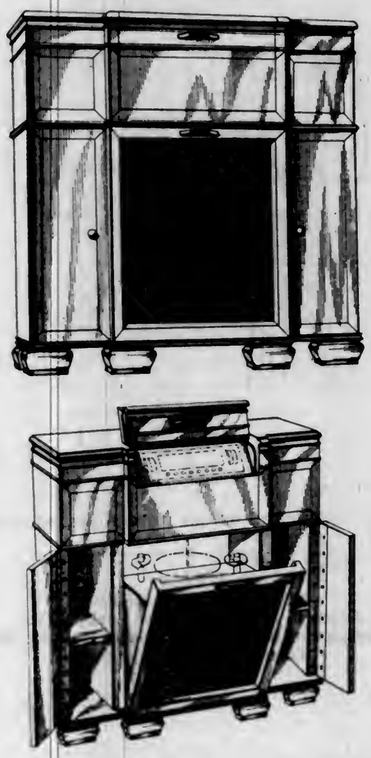
The ornamental design for an ensemble dress or similar article, as shown.

127,154
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Charles W. Carlson, Pittsburgh, Pa.
Application March 4, 1941, Serial No. 99,347
Term of patent 3½ years



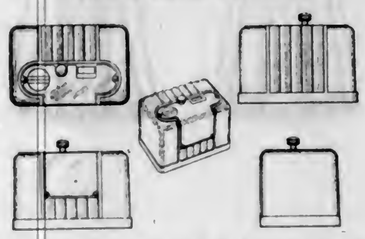
The ornamental design for a goblet or similar article, substantially as shown.

127,155
DESIGN FOR A RADIO-PHONOGRAPH CABINET
Emil I. Harman, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application January 31, 1941, Serial No. 98,623
Term of patent 14 years



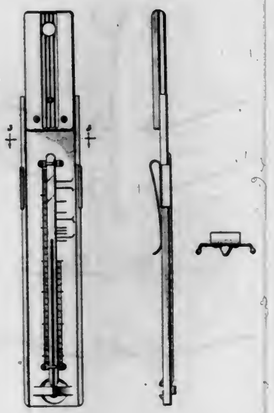
The ornamental design for a radio-phonograph cabinet, substantially as shown.

127,156
DESIGN FOR A COVER FOR A PRESSURE-OPERATED SWITCH
Paul M. Koons, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application September 26, 1940, Serial No. 95,416
Term of patent 3½ years



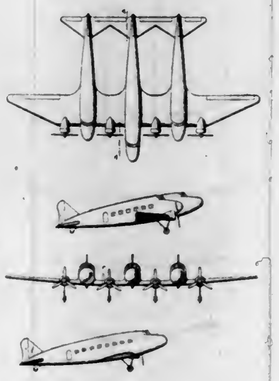
The ornamental design for a cover for a pressure-operated switch, as shown.

127,157
DESIGN FOR A COOKING THERMOMETER
Hervey L. MacCowan, Wilmette, Ill., assignor to Fee and Stemwedel, Inc., Chicago, Ill.
Application August 14, 1940, Serial No. 94,408
Term of patent 7 years



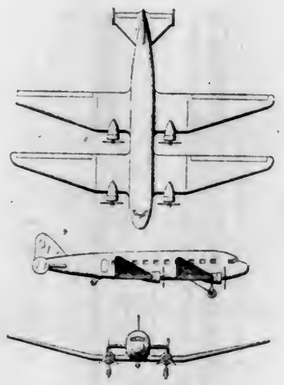
The ornamental design for a cooking thermometer, as shown.

127,158
DESIGN FOR AN AIRPLANE
Leo E. Oliver, Sanger, Calif.
Application December 23, 1940, Serial No. 97,563
Term of patent 14 years



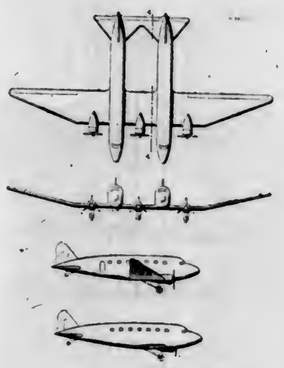
The ornamental design for an airplane, as shown.

127,159
DESIGN FOR A TANDEM WING MONOPLANE
Leo E. Oliver, Sanger, Calif.
Application December 23, 1940, Serial No. 97,564
Term of patent 14 years



The ornamental design for a tandem wing monoplane, as shown.

127,160
DESIGN FOR A DUAL BODIED AIRPLANE
Leo E. Oliver, Sanger, Calif.
Application January 11, 1941, Serial No. 97,977
Term of patent 14 years



The ornamental design for a dual bodied airplane, as shown.

127,161
DESIGN FOR A DRESS
Harry Posner, New York, N. Y.
Application March 13, 1941, Serial No. 99,551
Term of patent 3½ years



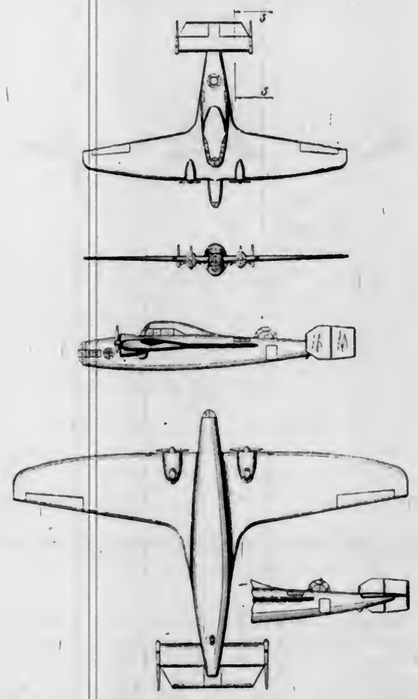
The ornamental design for a dress, as shown.

127,162
DESIGN FOR A DRESS
Janet F. Sondheim, New York, N. Y.
Application April 5, 1941, Serial No. 100,160
Term of patent 3½ years



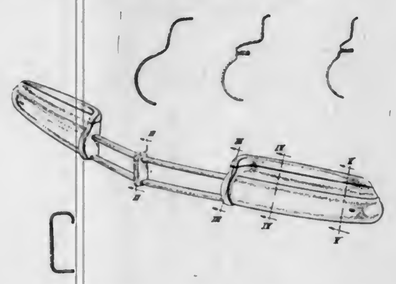
The ornamental design for a dress, substantially as shown.

127,163
DESIGN FOR AN AIRPLANE
Aristede A. Theodoropulos, New Haven, Conn.
Application May 8, 1940, Serial No. 92,214
Term of patent 7 years



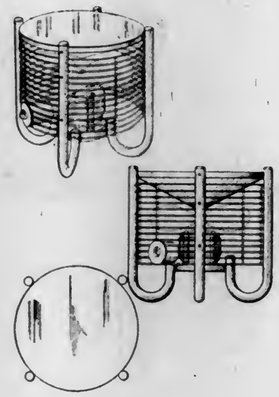
The ornamental design for an airplane, substantially as shown.

127,164
DESIGN FOR AN AUTOMOBILE BUMPER OR SIMILAR ARTICLE
George W. Walker, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application September 23, 1940, Serial No. 95,282
Term of patent 7 years



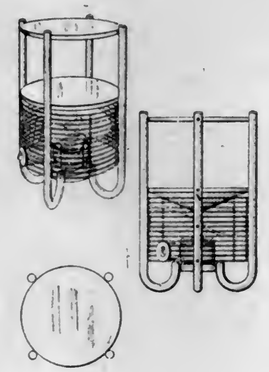
The ornamental design for an automobile bumper or similar article, as shown.

127,165
DESIGN FOR A COMBINED STAND AND ELECTRIC FAN
William W. Welch, St. Louis, Mo., and Walter A. Spear, Cincinnati, Ohio; said Spear assignor to said Welch
Application January 27, 1941, Serial No. 98,412
Term of patent 14 years



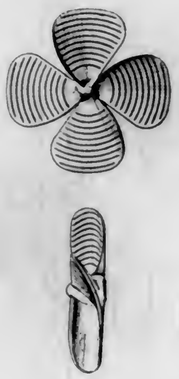
The ornamental design for a combined stand and electric fan, as shown.

127,166
DESIGN FOR A COMBINED STAND AND ELECTRIC FAN
William W. Welch, St. Louis, Mo., and Walter A. Spear, Cincinnati, Ohio; said Spear assignor to said Welch
Application January 27, 1941, Serial No. 98,413
Term of patent 14 years



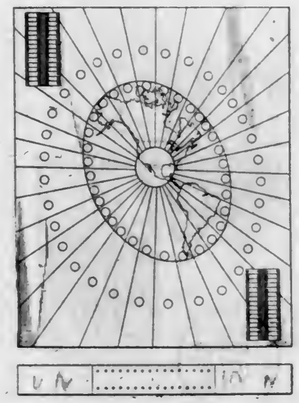
The ornamental design for a combined stand and electric fan, as shown.

127,167
DESIGN FOR A FAN BLADE
Gustave F. Bahr, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application July 27, 1940, Serial No. 93,967
Term of patent 14 years



The ornamental design for a fan blade, as shown.

127,168
DESIGN FOR A GAME BOARD
Heber Hoge Clark, San Diego, Calif.
Application January 30, 1941, Serial No. 98,557
Term of patent 14 years



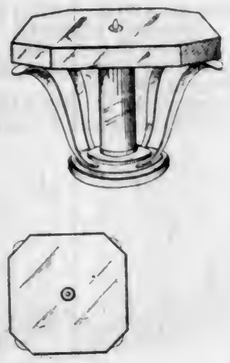
The ornamental design for a game board, as shown.

127,169
DESIGN FOR A DRESS
Pauline E. Fields, New York, N. Y.
Application April 11, 1941, Serial No. 100,311
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,170
DESIGN FOR A FLUORESCENT LAMP
Michael Hallward, Marblehead, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application September 7, 1940, Serial No. 94,849
Term of patent 7 years



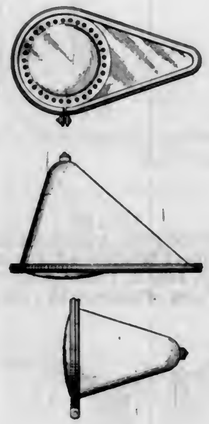
The ornamental design for a fluorescent lamp, as shown.

127,171
DESIGN FOR A PERFUME CONTAINER OR SIMILAR ARTICLE
Robert B. Karoff, New York, N. Y.
Application December 30, 1940, Serial No. 97,716
Term of patent 3½ years



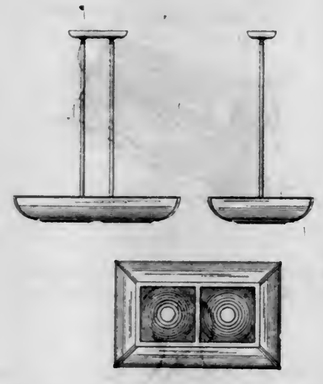
The ornamental design for a perfume container or similar article, substantially as shown.

127,172
DESIGN FOR A HEADLIGHT
Peder M. Knudsen, Katonah, N. Y.
Application February 15, 1941, Serial No. 99,022
Term of patent 14 years



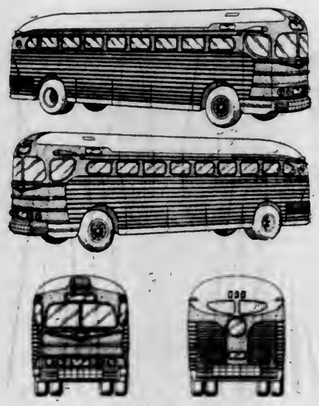
The ornamental design for a headlight, as shown.

127,173
DESIGN FOR A COMBINATION FLUORESCENT LIGHTING FIXTURE OR SIMILAR ARTICLE
Joseph Levy, Brooklyn, N. Y., assignor to Century Lighting, Inc., a corporation of New York
Application March 5, 1941, Serial No. 99,361
Term of patent 7 years



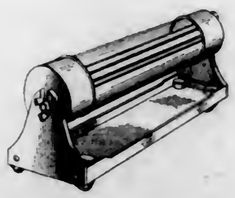
The ornamental design for a combination fluorescent lighting fixture or similar article, as shown.

127,174
DESIGN FOR A MOTOR COACH
Raymond Loewy, New York, N. Y., assignor to The Greyhound Corporation, Chicago, Ill., a corporation of Delaware
Application September 11, 1940, Serial No. 94,939
Term of patent 14 years



The ornamental design for a motor coach, substantially as shown.

127,175
DESIGN FOR A PORTABLE LAMP
Alvin B. Mayer, St. Louis, Mo., assignor to Aray Manufacturing & Supply Corp., St. Louis, Mo., a corporation of Missouri
Application September 3, 1940, Serial No. 94,760
Term of patent 14 years





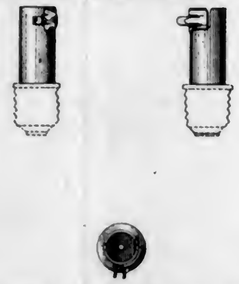
The ornamental design for a portable lamp, as shown.

127,176
DESIGN FOR A DRESS
Harry Posner, New York, N. Y.
Application March 13, 1941, Serial No. 99,550
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,177
DESIGN FOR A COMBINATION LAMP SOCKET AND EJECTOR
Morris Schwartz, New York, and William Castedello, Huntington, N. Y.
Application May 22, 1940, Serial No. 92,592
Term of patent 14 years



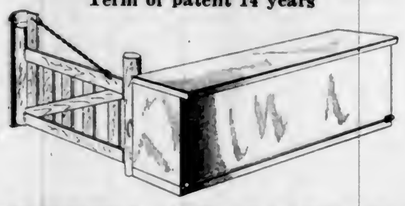
The ornamental design for a combination lamp socket and ejector, substantially as shown and described.

127,178
DESIGN FOR A FISH LURE
Carl H. Weidenmier, Berlin Center, Ohio
Application January 27, 1940, Serial No. 89,797
Term of patent 14 years



The ornamental design for a fish lure, as shown and described.

127,179
DESIGN FOR A BAR BOOTH
Della Halbert Whitehead, Del Rio, Tex.
Application July 1, 1940, Serial No. 93,381
Term of patent 14 years



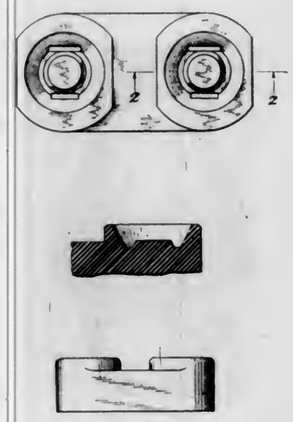
The ornamental design for a bar booth, as shown and described.

127,180
DESIGN FOR AN ELECTROTHERAPEUTIC APPARATUS CABINET
Carl K. Gieringer, Cincinnati, Ohio, assignor to The Liebel-Flarsheim Company, Cincinnati, Ohio, a corporation of Ohio
Application July 16, 1940, Serial No. 93,671
Term of patent 7 years



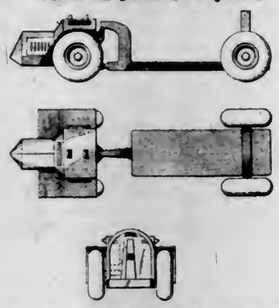
The ornamental design for an electrotherapeutic apparatus cabinet, as shown and described.

127,181
DESIGN FOR AN ELECTRICAL RECEPTACLE
Harvey Hubbell, Long Hill, Conn.
Application March 6, 1940, Serial No. 90,726
Term of patent 7 years



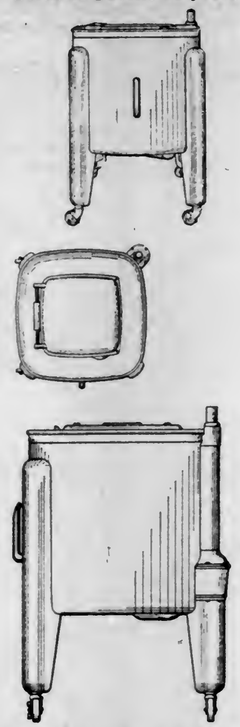
The ornamental design for an electrical receptacle, substantially as shown.

127,182
DESIGN FOR A COMBINED ARMORED TRACTOR AND SEMITRAILER
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation of California
Application June 14, 1940, Serial No. 93,002
Term of patent 14 years



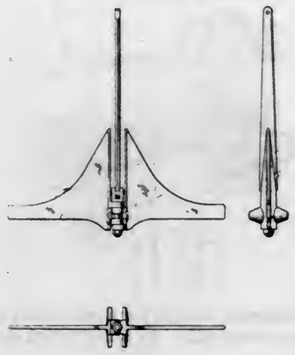
The ornamental design for a combined armored tractor and semitrailer, as shown and described.

127,183
DESIGN FOR A WASHING MACHINE
Isaac Newton Merritt, Oak Park, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application October 4, 1940, Serial No. 95,627
Term of patent 14 years



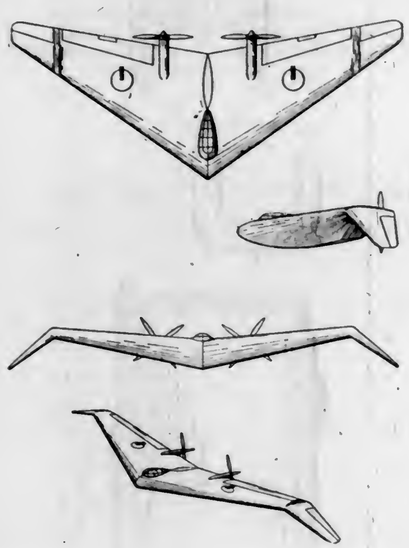
The ornamental design for a washing machine, substantially as shown.

127,184
DESIGN FOR AN ANCHOR
John K. Northrop, Los Angeles, Calif.
Application November 29, 1940, Serial No. 96,954
Term of patent 14 years



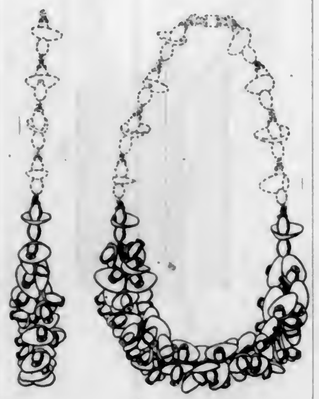
The ornamental design for an anchor, as shown.

127,185
DESIGN FOR AN AIRPLANE
John K. Northrop, Los Angeles, Calif., assignor to Northrup Aircraft, Inc., Hawthorne, Calif., a corporation of California
Application November 20, 1940, Serial No. 96,705
Term of patent 14 years



The ornamental design for an airplane, as shown.

127,186
DESIGN FOR A NECKLACE OR THE LIKE
Benjamin L. Atkins, Miami, Fla.
Application April 3, 1941, Serial No. 100,121
Term of patent 7 years



The ornamental design for a necklace or the like, substantially as shown and described.

127,187
DESIGN FOR A FLUORESCENT LAMP
Henry Dreyfuss, New York, N. Y., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application March 22, 1941, Serial No. 99,781
Term of patent 7 years



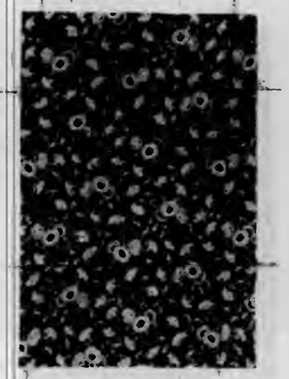
The ornamental design for a fluorescent lamp, as shown.

127,188
DESIGN FOR A FINGER RING OR SIMILAR ARTICLE
Aaron Elkonin, Brooklyn, N. Y.
Application August 22, 1940, Serial No. 94,567
Term of patent 14 years



The ornamental design for a finger ring or similar article, substantially as shown and described.

127,189
DESIGN FOR A TEXTILE FABRIC
Mac Etlinger, New York, N. Y.
Application April 9, 1941, Serial No. 100,277
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

127,190
DESIGN FOR A CONTAINER CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application February 24, 1941, Serial No. 99,177
Term of patent 7 years



The ornamental design for a container cap, substantially as shown.

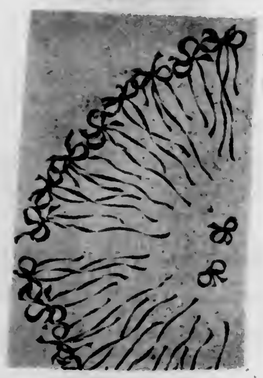
127,191
DESIGN FOR A CONTAINER CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application March 6, 1941, Serial No. 99,383
Term of patent 7 years



The ornamental design for a container cap, substantially as shown.

127,192
DESIGN FOR A TEXTILE FABRIC
Jacques E. Maisch, New York, N. Y.
Application March 28, 1941, Serial No. 99,959
Term of patent 3½ years





The ornamental design for a textile fabric, as shown and described.

127,193
DESIGN FOR A TEXTILE FABRIC
Jacques E. Maisch, New York, N. Y.
Application March 28, 1941, Serial No. 99,960
Term of patent 3½ years



127,193—Continued



The ornamental design for a textile fabric, as shown and described.

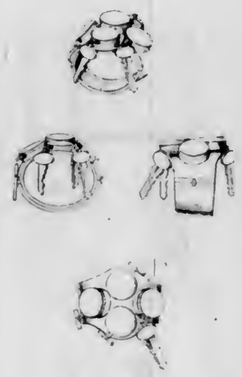
127,194
DESIGN FOR A TEXTILE FABRIC
Jacques E. Maisch, New York, N. Y.
Application March 28, 1941, Serial No. 99,961
Term of patent 3½ years





The ornamental design for a textile fabric, as shown and described.

127,195
DESIGN FOR A BRACELET OR THE LIKE
Marion O'Brien, New York, N. Y.
Application March 26, 1941, Serial No. 99,909
Term of patent 7 years



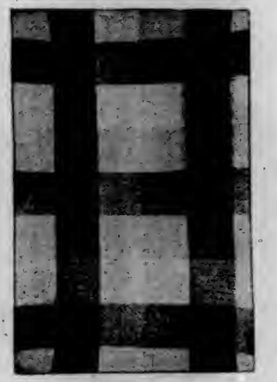
The ornamental design for a bracelet or the like, substantially as shown.

127,196
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Lionel H. Roles, Jr., New York, N. N. Y., assignor to Yale Fabrics Corp., New York, N. Y.
Application April 9, 1941, Serial No. 100,276
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, substantially as shown and described.

127,197
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application January 23, 1941, Serial No. 98,312
Term of patent 7 years

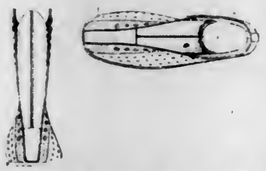




The ornamental design for a textile fabric, substantially as shown.

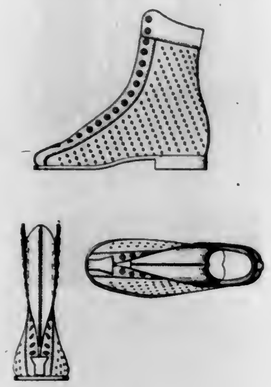
127,198
DESIGN FOR A SHOE
George H. Gillis, Fitchburg, Mass.
Application February 8, 1941, Serial No. 98,853
Term of patent 7 years





The ornamental design for a shoe, as shown and described.

127,199
DESIGN FOR A SHOE
George H. Gillis, Fitchburg, Mass.
Application February 8, 1941, Serial No. 98,854
Term of patent 7 years



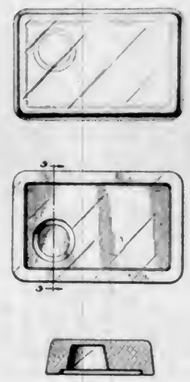
The ornamental design for a shoe, as shown and described.

127,200
DESIGN FOR A SHOE
George H. Gillis, Fitchburg, Mass.
Application March 12, 1941, Serial No. 99,511
Term of patent 7 years



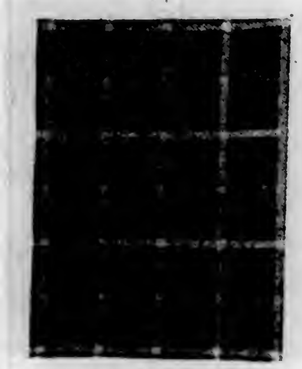
The ornamental design for a shoe, as shown and described.

127,201
DESIGN FOR A PAPER WEIGHT
Clark Gower, Nashville, Tenn.
Application February 7, 1941, Serial No. 98,827
Term of patent 14 years



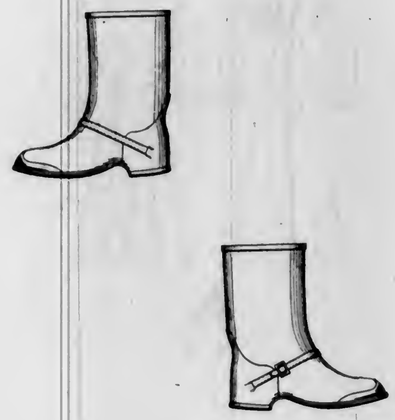
The ornamental design for a paper weight, as shown.

127,202
DESIGN FOR A TEXTILE FABRIC
William A. Landry, White Plains, N. Y.
Application April 10, 1941, Serial No. 100,301
Term of patent 3½ years



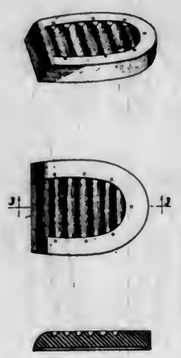
The ornamental design for a textile fabric, substantially as shown.

127,203
DESIGN FOR AN OVERBOOT
Leslie H. L'Hollier, Waltham, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application February 24, 1941, Serial No. 99,179
Term of patent 14 years



The ornamental design for an overboot, as shown.

127,204
DESIGN FOR A SHOE HEEL
William H. Cary, Brockton, Mass., assignor to Avon Sole Company, Brockton, Mass., a corporation of Massachusetts
Application March 5, 1941, Serial No. 99,367
Term of patent 14 years



The ornamental design for a shoe heel, substantially as shown.

127,205
DESIGN FOR A COAT
Abraham Duckat, New York, N. Y.
Application April 15, 1941, Serial No. 100,381
Term of patent 3½ years



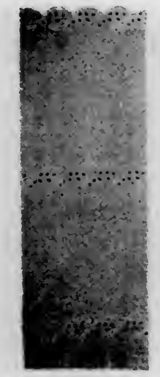
The ornamental design for a coat, substantially as shown.

127,206
DESIGN FOR A COMBINATION PIN AND WATCH OR SIMILAR ARTICLE
Abraham Fingerhut, New York, N. Y.
Application April 3, 1941, Serial No. 100,107
Term of patent 3½ years



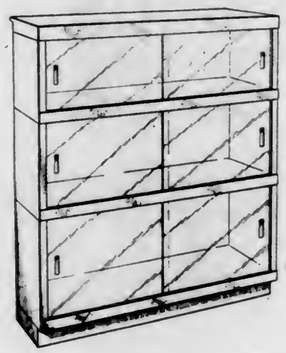
The ornamental design for a combination pin and watch or similar article, substantially as shown.

127,207
DESIGN FOR EMBROIDERED TEXTILE FABRIC OR SIMILAR ARTICLE
Ernest W. Freudenberg, Larchmont, N. Y.
Application March 29, 1941, Serial No. 99,989
Term of patent 3½ years



The ornamental design for an embroidered textile fabric or similar article, as shown and described.

127,208
DESIGN FOR A BOOKCASE
Gerald Johnson, George Cushing, and Thomas G. W. Nevell, New York, N. Y., assignors to The Globe-Wernicke Company, Cincinnati, Ohio, a corporation of Ohio
Application November 26, 1940, Serial No. 96,842
Term of patent 14 years



The ornamental design for a bookcase, substantially as shown and described.

127,209
DESIGN FOR A COAT
Blanche Price, Chicago, Ill.
Application April 19, 1941, Serial No. 100,500
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

127,210
DESIGN FOR A COAT
Bessie Recht, St. Louis, Mo.
Application April 17, 1941, Serial No. 100,462
Term of patent 3½ years



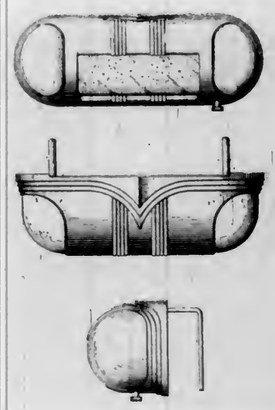
The ornamental design for a coat, substantially as shown.

127,211
DESIGN FOR A COAT
Harry Rutenberg, New York, N. Y.
Application April 15, 1941, Serial No. 100,382
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

127,212
DESIGN FOR A BED LAMP OR SIMILAR ARTICLE
David Warsaw, Chicago Ill.
Application April 2, 1941, Serial No. 100,101
Term of patent 7 years



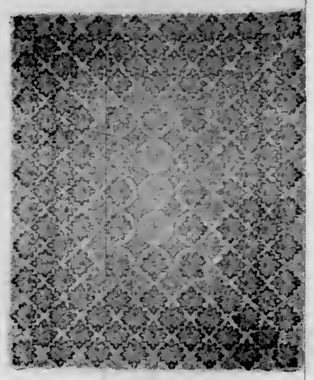
The ornamental design for a bed lamp or similar article, substantially as shown.

127,213
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,421
Term of patent 3½ years



The ornamental design for a table cover or similar article, as shown and described.

127,214
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,422
Term of patent 3½ years



The ornamental design for a table cover or similar article, as shown and described.

127,215
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,423
Term of patent 3½ years



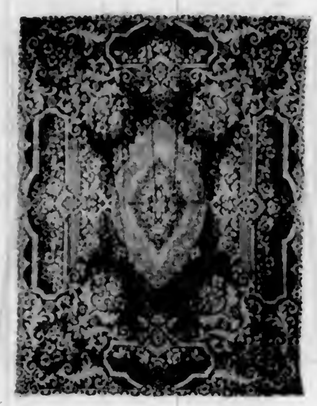
The ornamental design for a table cover or similar article, as shown and described.

127,216
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,424
Term of patent 3½ years



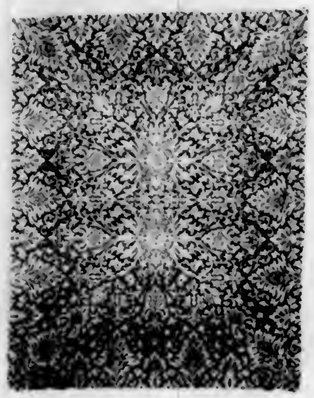
The ornamental design for a table cover or similar article, as shown and described.

127,217
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,425
Term of patent 3½ years



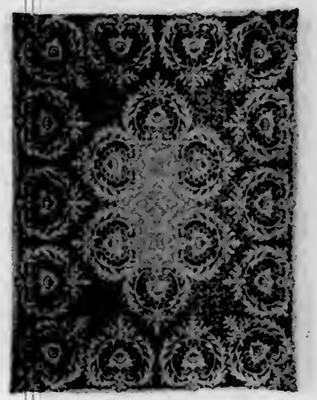
The ornamental design for a table cover or similar article, as shown and described.

127,218
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,426
Term of patent 3½ years



The ornamental design for a table cover or similar article, as shown and described.

127,219
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,427
Term of patent 3½ years



The ornamental design for a table cover or similar article, as shown and described.

127,220
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,429
Term of patent 3½ years



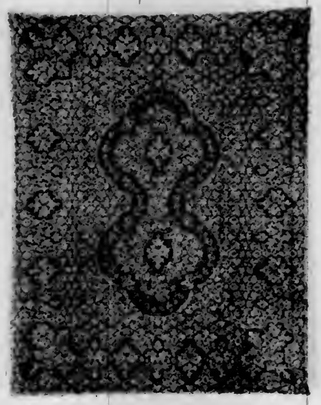
The ornamental design for a table cover or similar article, as shown and described.

127,221
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,430
Term of patent 3½ years



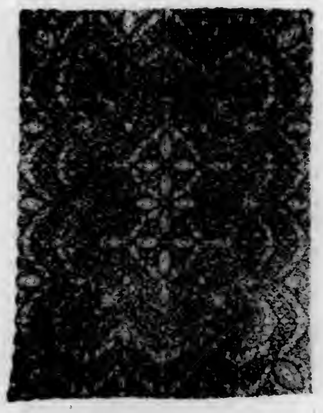
The ornamental design for a table cover or similar article, as shown and described.

127,222
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,431
Term of patent 3½ years



The ornamental design for a table cover or similar article, as shown and described.

127,223
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,432
Term of patent 3½ years



The ornamental design for a table cover or similar article, as shown and described.

127,224
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,433
Term of patent 3½ years



The ornamental design for a table cover or similar article, as shown and described.

127,225
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,434
Term of patent 3½ years



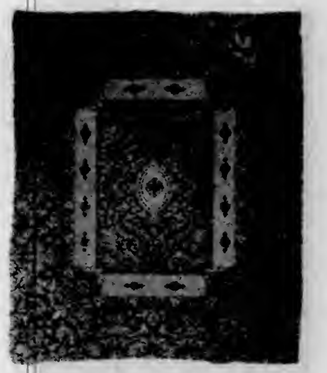
The ornamental design for a table cover or similar article, as shown and described.

127,226
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,435
Term of patent 3½ years



The ornamental design for a table cover or similar article, as shown and described.

127,227
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,436
Term of patent 3½ years



The ornamental design for a table cover or similar article, as shown and described.

127,228
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,437
Term of patent 3½ years



The ornamental design for a table cover or similar article, as shown and described.

127,229
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,438
Term of patent 3½ years



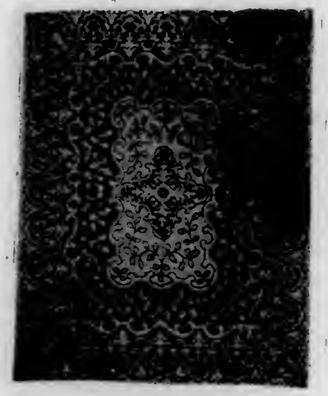
The ornamental design for a table cover or similar article, as shown and described.

127,230
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,439
Term of patent 3½ years



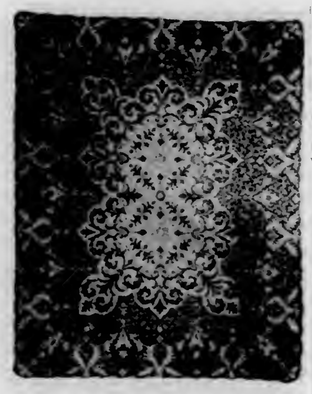
The ornamental design for a table cover or similar article, as shown and described.

127,231
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,440
Term of patent 3½ years



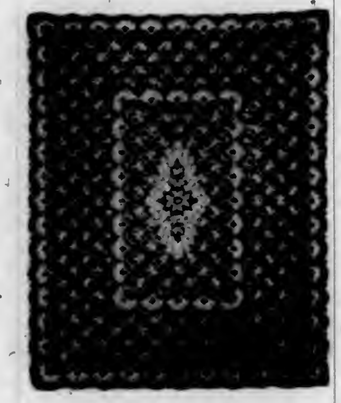
The ornamental design for a table cover or similar article, as shown and described.

127,232
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,441
Term of patent 3½ years



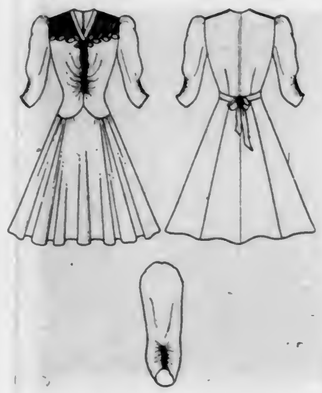
The ornamental design for a table cover or similar article, as shown and described.

127,233
DESIGN FOR A TABLE COVER OR SIMILAR ARTICLE
Gustave F. Erhard, Scranton, Pa.
Application April 17, 1941, Serial No. 100,442
Term of patent 3½ years



The ornamental design for a table cover or similar article, as shown and described.

127,234
DESIGN FOR A DRESS
Natalie Jones, New York, N. Y.
Application January 29, 1941, Serial No. 98,493
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,235
DESIGN FOR PAJAMAS
Morris Rubin, Chicago, Ill.
Application February 1, 1940, Serial No. 89,933
Term of patent 3½ years



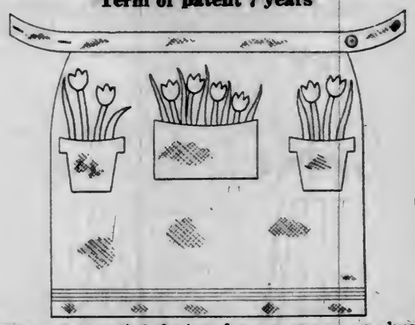
The ornamental design for pajamas, as shown.

127,236
DESIGN FOR A HAT OR SIMILAR ARTICLE
Henry Weissenbach, New York, N. Y.
Application March 26, 1941, Serial No. 99,896
Term of patent 3½ years



The ornamental design for a hat or similar article, as shown.

127,237
DESIGN FOR AN APRON
Frances Young Wilson, Larchmont, N. Y.
Application December 31, 1940, Serial No. 97,738
Term of patent 7 years



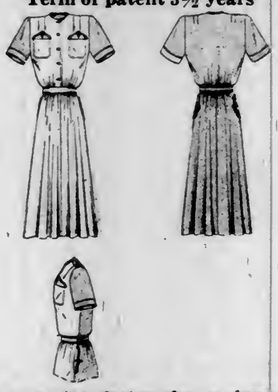
The ornamental design for an apron, as shown and described.

127,238
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application April 12, 1941, Serial No. 100,331
Term of patent 3½ years



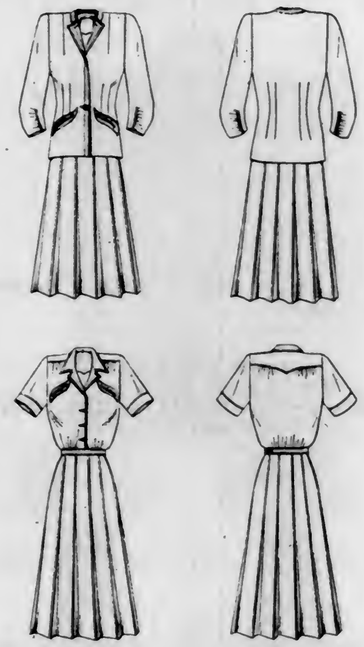
The ornamental design for a dress, substantially as shown.

127,239
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application April 12, 1941, Serial No. 100,333
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,240
DESIGN FOR A DRESS ENSEMBLE
Bonnie Cashin, New York, N. Y.
Application April 12, 1941, Serial No. 100,336
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

127,241
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application April 12, 1941, Serial No. 100,337
Term of patent 3½ years



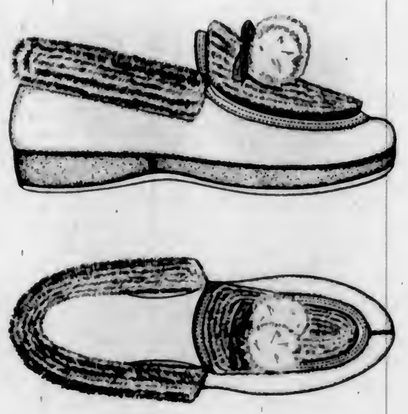
The ornamental design for a dress, substantially as shown.

127,242
DESIGN FOR A DRESS ENSEMBLE
Arthur Cole, Rye, N. Y.
Application March 13, 1941, Serial No. 99,546
Term of patent 3½ years



The ornamental design for a dress ensemble, as shown and described.

127,243
DESIGN FOR A SLIPPER
Jack Macht, New York, N. Y.
Application March 26, 1941, Serial No. 99,895
Term of patent 3½ years



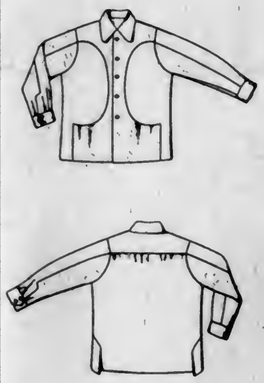
The ornamental design for a slipper, as shown.

127,244
DESIGN FOR A TABLE SCARF OR SIMILAR ARTICLE
Stanley J. Oppenheim, New York, N. Y.
Application April 7, 1941, Serial No. 100,202
Term of patent 3½ years



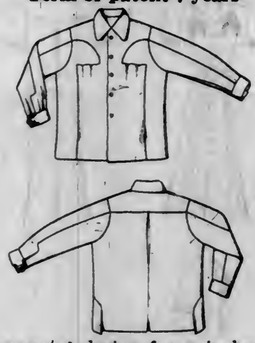
The ornamental design for a table scarf or similar article, substantially as shown.

127,245
DESIGN FOR A JACKET OR SIMILAR ARTICLE
Theo Schaumer, Los Angeles, Calif.
Application October 2, 1940, Serial No. 95,556
Term of patent 7 years



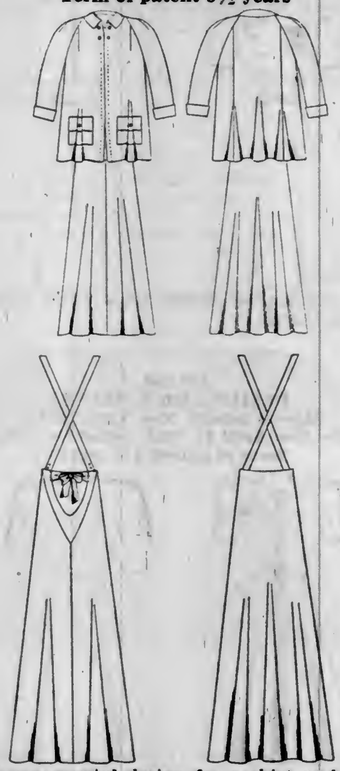
The ornamental design for a jacket or similar article, substantially as shown.

127,246
DESIGN FOR A JACKET OR SIMILAR ARTICLE
Theo Schaumer, Los Angeles, Calif.
Application October 2, 1940, Serial No. 95,557
Term of patent 7 years



The ornamental design for a jacket or similar article, substantially as shown.

127,247
DESIGN FOR A SKIRT AND JACKET ENSEMBLE
Mary Boyle, St. Louis, Mo.
Application March 25, 1941, Serial No. 99,834
Term of patent 3½ years



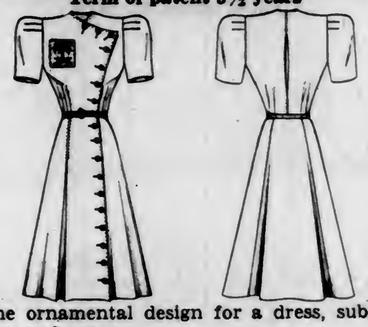
The ornamental design for a skirt and jacket ensemble, as shown.

127,248
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application April 12, 1941, Serial No. 100,327
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,249
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application April 12, 1941, Serial No. 100,328
Term of patent 3½ years



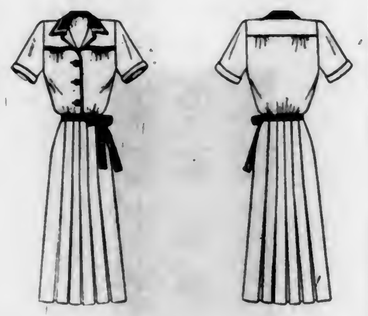
The ornamental design for a dress, substantially as shown.

127,250
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application April 12, 1941, Serial No. 100,329
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,251
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application April 12, 1941, Serial No. 100,332
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,252
DESIGN FOR A DRESS ENSEMBLE
Bonnie Cashin, New York, N. Y.
Application April 12, 1941, Serial No. 100,334
Term of patent 3½ years

The ornamental design for a dress ensemble, substantially as shown.

127,253
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application April 12, 1941, Serial No. 100,335
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,254
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application April 12, 1941, Serial No. 100,338
Term of patent 3½ years



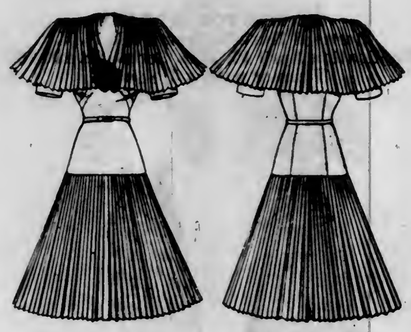
The ornamental design for a dress, substantially as shown.

127,255
DESIGN FOR A DRESS
Elizabeth Cutler, New York, N. Y.
Application April 8, 1941, Serial No. 100,238
Term of patent 3½ years



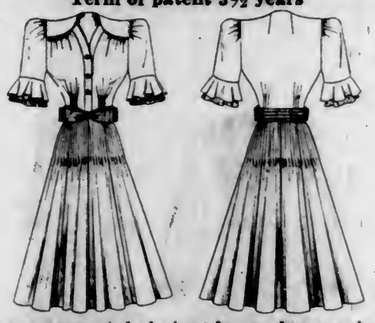
The ornamental design for a dress, substantially as shown.

127,256
DESIGN FOR A DRESS
Minna Fields, New York, N. Y.
Application April 12, 1941, Serial No. 100,339
Term of patent 3½ years



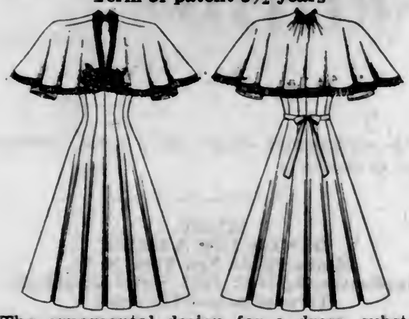
The ornamental design for a dress, substantially as shown.

127,257
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application April 12, 1941, Serial No. 100,342
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,258
DESIGN FOR A DRESS
Pauline Fracchia, New York, N. Y.
Application April 12, 1941, Serial No. 100,343
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,259
DESIGN FOR A DRESS
Bernard Hurwitz, New York, N. Y.
Application April 10, 1941, Serial No. 100,285
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,260
DESIGN FOR A DRESS
Bernard Hurwitz, New York, N. Y.
Application April 10, 1941, Serial No. 100,286
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,261
DESIGN FOR A DRESS
Bella Kornberg, New York, N. Y.
Application April 12, 1941, Serial No. 100,341
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,262
DESIGN FOR A DRESS
Elinor S. Seigenfeld, New Rochelle, N. Y.
Application April 17, 1941, Serial No. 100,464
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,263
DESIGN FOR A DRESS
Ann Verdi, Jackson Heights, N. Y.
Application April 11, 1941, Serial No. 100,315
Term of patent 3½ years



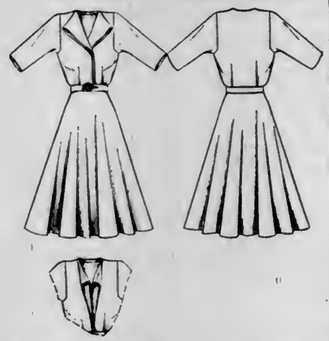
The ornamental design for a dress, substantially as shown.

127,264
DESIGN FOR A DRESS
Ann Verdi, Jackson Heights, N. Y.
Application April 16, 1941, Serial No. 100,405
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,265
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application April 12, 1941, Serial No. 100,344
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

Patents Nos. 2,242,205 to 2,243,061

THE OFFICIAL GAZETTE OF THE United States Patent Office

Vol. 526—No. 3 TUESDAY, MAY 20, 1941 Price—$16 per year

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CONTENTS

	Page
Issue of May 20, 1941	573
Interference Notice	573
Adverse Decisions in Interference	573
Disclaimers	573
Applications Under Examination	574
Decisions of the U. S. Courts—	
In re Wahlforss et al	575
In re Allen, Jr.	576
Patent Suits	581
Trade-Marks Published (162 Applications)	583
Trade-Mark Registrations Granted	601
Trade-Mark Registrations Renewed	607
Reissues	611
Plant Patents	612
Patents Granted	613
Designs	815

May 20, 1941

Trade-Marks	144	No. 387,467 to No.	387,610, inclusive.
T. M. Renewals	68		
Reissues	6	No. 21,804 to No.	21,809, inclusive.
Plant Patents	1	No. 466	
Patents	857	No. 2,242,205 to No.	2,243,061, inclusive.
Designs	172	No. 127,266 to No.	127,437, inclusive.
Total	1,248		

Interference Notice

U. S. Patent Office, *Washington, D. C., Apr. 25, 1941.*

Armand A. Probeck, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Patent No. 2,172,806, granted September 12, 1939, to Armand A. Probeck, 12943 Clifton Blvd., Cleveland, Ohio, and the reissue application for patent of Gerald G. Greulich, 778 Osage Road, Mount Lebanon, Pittsburgh, Pa., and a notice of such declaration sent by registered mail to said Probeck at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Probeck, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

Leslie Frazer,
First Assistant Commissioner.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,225,580, E. J. Wiggins, Electric scissor, decided April 26, 1941, claims 1 and 2.

Pat. 2,220,844, A. W. Lissauer, Method of distillery stop filtration, decided April 25, 1941, claims 2, 3, and 7.

Disclaimers

1,584,145.—*William H. Robbins*, Springfield, Ohio. Machine for Making Steel Wool. Patent dated May 11, 1926. Disclaimer filed April 23, 1941, by the assignee, *The Williams Company*.

Hereby enters this disclaimer to claims 17, 18, 28, 55, and 57 of the specification.

1,945,712.—*Roy J. Wadd*, Milwaukee, Wis. Hoist. Patent dated February 6, 1934. Disclaimer filed April 28, 1941, by the assignee, *Harnischfeger Corporation*.

Hereby disclaims claim 7 in its entirety, and disclaims from the scope of claims 8 and 9 any combination with a hoist, as set forth in said claims, excepting a combination in which the means for causing the limit switch arrangement to reverse the motor are such as to become inoperative for further reverse driving of said motor after slight reverse movement of said motor, whereby a momentary reversal only of the motor is effected to aid in bringing the parts to rest.

2,116,549.—*Walter J. Zenner*, Des Plaines, Ill. Telegraph System. Patent dated May 10, 1938. Disclaimer filed April 28, 1941, by the assignee, *Teletype Corporation*.

Hereby enters this disclaimer to the invention as set forth in claims 15 and 16 of said Letters Patent.

2,123,062.—*Fred G. Pelicit*, Schenectady, N. Y. Abradant. Patent dated July 5, 1938. Disclaimer filed April 29, 1941, by the assignee, *General Electric Company*.

Hereby enters this disclaimer to claims 1 and 2 of said Letters Patent.

2,157,428.—*Theodore J. Obszarny*, Chicago, Ill. Plug and Jack Construction. Patent dated May 9, 1939. Disclaimer filed April 23, 1941, by the assignee, *Guardian Electric Manufacturing Co.*

Hereby enters this disclaimer to claims 2 and 6 of said specification.

2,206,698.—*James A. Hendley*, Middletown, Conn. Ladder Tape. Patent dated July 2, 1940. Disclaimer filed April 25, 1941, by the assignee, *The Russell Manufacturing Company*.

Hereby disclaims claims 1 and 2.

Condition of Applications Under Examination at Close of Business May 3, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 41,740; Trade-Mark Division, 1,334. Oldest new case, Aug. 1, 1940; oldest amended, Aug. 9, 1940.)
(The dates given are 1940 except where † indicates 1941)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Dec. 4	Dec. 11	486
6706	2. HERRMANN, D., Fishingand Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Nov. 9	Oct. 5	540
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Mar. 5	Mar. 3	447
7083	4. DONNELLY, A. E., Conveyors Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	†Jan. 8	†Jan. 17	513
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Dec. 27	Dec. 24	458
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Oct. 7	Oct. 3	1091
5726	7. JARBOE, C. G., Optics; Photography	Oct. 25	Oct. 31	917
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Oct. 7	Oct. 9	854
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Dec. 6	Nov. 28	582
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Dec. 3	Dec. 20	369
5067 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	†Jan. 14	†Jan. 11	428
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters; Stop Mechanism	Nov. 12	Nov. 15	568
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planting; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Oct. 18	Oct. 16	532
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	†Jan. 7	†Jan. 3	526
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Oct. 30	Nov. 7	1066
5716	16. SPENCER, C. J., Telegraphy; Telephony	Dec. 20	Dec. 21	535
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 12	Dec. 7	538
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Dec. 13	Dec. 9	436
4096	19. KENNEDY, A. R., Furnaces and Stoves: Fuel Burners	†Jan. 2	†Jan. 3	619
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Nov. 16	Nov. 22	383
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	†Jan. 30	†Feb. 5	292
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Aug. 8	Aug. 9	1413
7624	23. BUTTNER, W. J., Registers (part)	Sept. 21	Aug. 31	239
5063	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 21	Oct. 5	904
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Dec. 4	Dec. 21	546
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Dec. 23	Dec. 17	413
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Nov. 20	Nov. 9	633
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Nov. 28	Nov. 28	323
5062	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Nov. 20	Dec. 12	690
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	†Jan. 8	†Jan. 8	535
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Nov. 23	Nov. 23	1371
4066	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	†Jan. 2	†Jan. 8	917
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Dec. 31	Dec. 30	864
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Oct. 26	Nov. 4	402
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Nov. 5	Nov. 6	856
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Nov. 19	Nov. 22	563
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Nov. 13	Nov. 25	541
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Aug. 1	Sept. 9	865
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	†Jan. 7	†Jan. 3	566
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Oct. 11	Oct. 11	1674
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Dec. 2	Dec. 3	460
5882	42. CUTTING, H. O., Electric Signaling	Dec. 12	†Jan. 7	360
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Oct. 21	Oct. 10	540
4087 B	44. HARVEY, L. P., Refrigeration	Oct. 17	Oct. 17	602
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	†Jan. 25	†Feb. 24	366
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Dec. 10	Dec. 20	559
6082	47. KANOF, W. J., Clutches; Brakes	Dec. 30	Dec. 19	366
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Dec. 9	Dec. 11	505
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Nov. 5	Nov. 4	791
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber Coating Processes	Nov. 8	Nov. 9	1223
5628	51. BACKUS, C. D., Radiant Energy (part)	†Feb. 27	†Mar. 1	426
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	†Jan. 11	†Jan. 31	607
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Oct. 19	Oct. 12	838
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 25	Nov. 22	355
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Dec. 18	†Jan. 2	318
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Oct. 5	Sept. 28	1184
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Sept. 21	Dec. 23	182
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Nov. 26	Nov. 13	539
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Nov. 1	Nov. 6	1014
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Nov. 12	Nov. 15	321
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Dec. 17	Dec. 16	324
5621	62. PUOH, E. C., Games; Geometrical Instruments	†Feb. 3	†Feb. 4	435
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Oct. 16	Oct. 9	1009
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	†Jan. 23	†Jan. 22	725
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Feb. 24	†Jan. 29	270
2099 B	Trade-Marks: F. A. RICHMOND	†Mar. 15	†Mar. 22	956
2605	Designs: H. H. KALUPY	†Mar. 25	Aug. 7	1334

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE WAHLFORSS ET AL.

No. 4,434. Decided February 3, 1941

[117 F.(2d) 270]

1. APPLICATIONS—DISCLOSURE—SUFFICIENCY TO SUPPORT CLAIM COPIED FROM A PATENT.

Applicants by disclosing the use of only one species of halogen *Held* not entitled to copy a generic claim of a patent embracing all species.

2. APPEAL—JURISDICTION.

On ex parte appeal in an application involving chemical subject matter, the Court of Customs and Patent Appeals will determine the question whether the disclosure of the application is of such a scope as to warrant broad claims.

APPEAL from Patent Office. Affirmed.

Mr. Charles E. Carney (*Mr. A. Ponack* of counsel) for Wahlforss et al.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming that of the Examiner rejecting a claim numbered 13, embraced in an application for the reissue of Patent No. 2,069,790 granted appellants, as joint inventors, for a lubricant. The patent bears date of February 9, 1937.

The claim at issue was copied in the reissue application from a Patent No. 2,121,824, issued to Carl F. Prutton June 28, 1938, an interference with that patent being sought.

The claim reads:

13. A lubricating composition containing as a principal lubricating constituent a major amount of mineral lubricating oil with the properties of such composition affecting its use as a lubricant improved by incorporating therein a minor amount, based on the amount of mineral oil, of a compound containing a substantial amount of halogen, which compound is a halogenated polyalkylated aromatic compound.

The claim was rejected by the tribunals of the Patent Office as not patentable to appellants for lack of disclosure and, as of course, no interference was declared. The Board said:

The only question presented by this appeal is whether applicants have sufficient disclosure to warrant the allowance of the claim to them.

The issue is quite simple and no elaborate discussion is necessary. The opening paragraph of appellants' specification states:

This invention relates to lubricants of the type designed for use in the extreme pressure field, and has particular reference to a new composition which gives exceptional film strength, adhesion and resistance to abrasion. In particular, it contemplates the use of a chlororetene as an addition agent to lubricating oil, to produce a lubricant satisfactory for extreme pressure work, and for machine cutting, threading, etc.

The particular limitation of the claim about which the controversy revolves is embraced in the language, "a compound containing a substantial amount of *halogen*, which compound is a *halogenated* polyalkylated aromatic compound" [Italics supplied]. The so described compound is for use in minor quantity as an improving agent for mineral oil.

It will be observed that the claim is sufficiently broad in its terms to include all halogens, of which, we are informed, there are four general classes, viz., iodine, bromine, fluorine, and chlorine. Each of these embraces different forms. The patent of appellants, reissue of which is sought, discloses the use of only chlorine forms.

The sole statement in the specification relating broadly to halogen reads:

Halogenation of the lubricating oil itself has been suggested. This is unsafe, as the aliphatic halides formed tend to hydrolyze under adverse conditions, making the lubricant acid and corrosive to the gear surfaces.

The foregoing statement quite clearly teaches the nonuse, rather than the use of halogens, so far as aliphatic halides are concerned, but it is the contention of appellants' counsel that this does not apply to aromatic compounds. Assuming that this contention is correct, the fact remains that the specification does not disclose the use of any halogens other than forms of chlorine.

[1] So, the effect of the holdings below is that appellants by disclosing the use of only one species of halogen are not entitled to a generic claim embracing all species.

In the brief filed before us on behalf of the Commissioner of Patents our decision in the case of *In re Söll*, 25 C. C. P. A. (Patents) 1309, 97 F.(2d) 623, 497 O. G. 546, is cited as being directly in point upon the issue here involved. In that case the applicant disclosed the use of one halogen, fluorine. He copied claims from a patent (in an effort to bring about an interference) which were broad enough to include all halogens. We there said:

We think the rule is well settled that in a chemical case where an applicant discloses that one species of a class of chemicals will accomplish a certain purpose without naming any others of the class to which it belongs or without so describing the species and its mode of operation as to call attention to the fact that other members of the class are its equivalents and will perform the same function, he is not entitled to broaden the scope of his disclosed invention by claiming the whole group, even though those skilled in the art may know that in some respects at least the different members of the group are equivalents. Certain members of a well-defined group of chemicals may be equivalents for one purpose and not equivalents for another. Experimentation is required to ascertain the particular action of a member of the group upon the particular material to be treated. Appellant's application is barren of any suggestion that anything but hydrofluoric acid will react upon rubber in the desired manner. There is no teaching in the application of the equivalency of the members of the group nor is there any member of the group named other than hydrofluoric acid. As far as the application discloses, the art was not taught that it could use anything but hydrofluoric acid and it would seem improper to now permit applicant to broaden the scope of his invention since others, presumably after experimentation, have discovered that any member of the hydrogen halide family will do the work.

It may be said that in the foregoing decision numerous authorities in support of the stated rule were cited and reviewed.

[2] In the instant case appellants rely strongly upon this court's decisions in the cases of *Blodgett*

and Hanson v. *Richter*, 23 C. C. P. A. (Patents) 749, 79 F.(2d) 922, 463 O. G. 231, and *Walsh et al.* v. *Davidson et al.* (No. 4028) and *Davidson* v. *Walsh et al.* (No. 4031), 26 C. C. P. A. (Patents) 812, 101 F.(2d) 224, 502 O. G. 569. It is unnecessary to review those cases in detail. Both were interference proceedings in which only the question of priority was involved. In the Richter case, supra, a chemical case, where it was contended before us that Richter could not make claims broad enough to cover a class of reagents or properties upon a disclosure of only a single reagent or property, we pointed out that:

> • • • the question here is solely one of priority and we are not called upon to determine the matter of patentability to Richter.
>
> • • • • • • • •
>
> It is not meant to intimate that the counts expressed as claims in appellants' patent are not so supported by the disclosure there, as that there is any question of their validity as to a class of compounds, nor is it meant to suggest what the rights of appellee may be under his disclosure upon any question except the single one of priority. All other questions, we think, must be determined in some proceeding other than the one now at bar.

In the Walsh and Davidson cases, supra, the principle so stated in the Richter case, supra, was approved and followed, we saying:

> Furthermore, it is so well settled as to require no citation of authority that the question of the right of a party to secure a patent cannot be raised in this court in an interference proceeding. In interference proceedings the jurisdiction of this court is limited to the question of priority of invention and to such ancillary questions as may be involved therein. Should appellee receive an award of priority of invention, his right to receive a patent will be determined in an ex parte prosecution of his application.

Had the interference which appellants sought in the instant case been declared, the rule followed in interference cases above cited might have been applicable, but since no interference was declared, appellants being denied the claim ex parte, the question of patentability of the claim to appellants is the direct question before us and we think the rule reaffirmed and followed in the Söll case, supra, is here controlling.

The decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE ALLEN, JR.

No. 4,398. Decided December 9, 1940

[115 F.(2d) 936]

1. APPEALS—UNITED STATES COURT OF CUSTOMS AND PATENT APPEALS—JURISDICTION OF PATENT OFFICE AFTER APPEAL IS TAKEN.

Where an applicant, after decision by the Board of Appeals, moved for reconsideration, and later filed with the Commissioner of Patents a notice of appeal to United States Court of Customs and Patent Appeals, together with reasons of appeal, before action was taken on the motion for reconsideration, *Held* "that upon the filing of a notice of appeal from an appealable decision, and reasons of appeal, with the Commissioner, the subject matter of the appeal is transferred to this court, and that thereafter until the appeal has been disposed of by us the tribunals of the Patent Office have no jurisdiction to grant a motion for reconsideration of the decision appealed from, even though such motion was made before the filing of such notice of appeal."

2. PATENTABILITY—METHOD OF MAKING POLYSTYRENE MATERIAL.

Certain claims for a method of making polystyrene material suitable for molding *Held* unpatentable over the prior art, and a certain other claim including the step of mechanically working the material *Held* patentable.

APPEAL from Patent Office. Modified.

Mr. Harold T. Stowell (*Mr. Joseph N. Niclsen* of counsel) for Allen, Jr.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting, for want of patentability over the cited prior art, claims 1, 2, 3, 5, 7, 8, 9, and 10 of appellant's application for a patent.

The Examiner also rejected claims 4, 6, 11, and 12 for the same reason, but such rejection was reversed by the Board of Appeals and these claims stand allowed.

Claims 1, 2, 3, and 5 are method claims; claims 7, 8, 9, and 10 are for a plastic composition.

Claims 1, 3, and 8 are illustrative of the claims in issue and read as follows:

> 1. A method of making polystyrene material suitable for molding which comprises polymerizing styrene to a polystyrene having a molecular weight exceeding 40,000 and treating the polymerized styrene to reduce methanol soluble components to less than 3% of the material.
>
> 3. A method of making polystyrene material suitable for molding which comprises polymerizing styrene to a polystyrene having a molecular weight exceeding 40,000 and treating the polymerized styrene by mechanical working to reduce methanol soluble components to less than 3% of the material.
>
> 8. A plastic composition comprising a polymerized styrene resin having a molecular weight in excess of 40,000 and containing less than 3% of methanol soluble material, characterized by being moldable under heat and pressure to articles free from frosting for at least six months after molding.

The reference cited is: Wulff et al., 2,077,542, April 20, 1937.

The alleged invention is described by the Board of Appeals in its decision as follows:

> The subject matter of the appealed claims relates to the making of polystyrene material suitable for molding and which will be free of a phenomenon known as frosting. In the past it has been found that in attempting to make articles of polystyrene such articles may have a clear and transparent appearance at the time they are produced but later, they assume a cloudy or frosted appearance which apparently is due to the formation of small cracks in its surface. Appellant contends that this frosting is the result of the presence of some of the polystyrene which has not been completely polymerized. This portion is generally referred to here as methanol soluble.
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> It is not deemed necessary to discuss the steps employed in polymerizing the resin other than to say that it is carried to the point where the molecular weight exceeds 40,000. In order to eliminate a portion of the methanol soluble content, the material is subjected to the working action of differential rollers. This kneading action is for the purpose of reducing the methanol soluble content to less than 3%. It is not clear just how the methanol soluble content is removed. Apparently it could be done by squeezing it out as a liquid by washing it with methanol or permitting the undesirable content to evaporate. • • •

With respect to the Wulff et al. patent the Board stated:

> The Wulff patent discloses a method of polymerizing the polystyrene which is practically the same as that disclosed in this case, but in order to reduce the undesirable methanol soluble fraction, the patentee proposed to extrude the material through a small orifice. Apparently in this manner it is expected that evaporation of the partially polymerized styrene will produce a product which is free of frosting. During the prosecution of this case, appellant has filed affidavits tending to show that while the extrusion process disclosed in the patent will reduce the amount of methanol soluble styrene, still it will not bring it down to the point where it is free of frosting.

The original decision of the Board was rendered on September 30, 1939. With respect to the reversal of the decision of the Examiner as to claims 4, 6, 11, and 12, the Board stated:

> Claims 4, 6, 11, and 12 are limited to a method which calls for "mechanical working." We do not believe that the Wulff patent is a fair reference against these claims. While the extrusion of the plastic material may tend to remove some of the methanol soluble component, still such process cannot properly be called "mechanical working."

The Board affirmed the decision of the Examiner as to claims 1, 2, 3, and 5 upon the ground that they call merely for the treatment of the polymerized styrene so as to produce the desired result, are broad enough to cover any process which will produce a product which has less than 3% of the methanol soluble material, and are not patentable over the disclosure of the Wulff et al. patent.

With regard to claims 7, 8, 9, and 10 the Board held that there was no patentable distinction between the composition therein described and the composition disclosed by the Wulff et al. patent.

On October 6, 1939, appellant moved for reconsideration of the Board's decision as to claim 3, calling attention to the fact that this claim called for mechanical working of the material and belonged to the same class of claims as claims 4, 6, 11, and 12, which the Board held should be allowed.

On November 16, 1939, appellant filed with the Commissioner of Patents a notice of appeal to this court, together with reasons of appeal, assigning error in the affirmance of the rejection of claims 1, 2, 3, 5, 7, 8, 9, and 10. On the next day, November 17, 1939, the Board rendered a decision which reads as follows:

> This is a petition for reconsideration of our decision dated September 30, 1939.
>
> Reconsideration of claim 3 is requested. Through inadvertence this claim was not listed as allowable in our former decision. It contains the same limitation as the claims which we held allowable.
>
> The decision of the Examiner is reversed as to claims 3, 4, 6, 11, and 12 and is reaffirmed as to the remaining claims.
>
> The petition is granted to the extent indicated.

On November 22, 1939, appellant filed with the Commissioner of Patents a paper headed "Supplemental," purporting to give notice of appeal to this court from the decisions of the Board of Appeals rendered

> "on or about the 30th day of September, and the 17th day of November, 1939, rejecting my above-entitled application and refusing me a patent for the invention set forth therein."

Then follow reasons of appeal which are identical with the reasons of appeal filed on November 16, 1939, except that claim 3 is not included in the reasons of appeal filed on November 22, 1939.

It will be observed that this so-called supplemental notice of appeal was filed more than forty days after the original decision of the Board of Appeals of September 30, 1939. It will also be observed that the decision of the Board of November 17, 1939, grants the petition for reconsideration as to claim 3; it also purports to reverse the Examiner as to claims 3, 4, 6, 11, and 12, and the decision of the Examiner is "reaffirmed" as to the remaining claims, although the petition for reconsideration embraced claim 3 only.

In view of this state of the record we are called upon to decide the question of the jurisdiction of the Board of Appeals to consider a petition for reconsideration of an appealable decision after a notice of appeal to this court and reasons of appeal have been filed with the Commissioner of Patents.

This question has been presented to us a number of times, but heretofore we have not found it necessary to decide it.

In the case of *Raiche* v. *Foley*, 26 C. C. P. A. (Patents) 1235, 103 F.(2d) 920, 507 O. G. 1031, a motion for reconsideration was filed by Raiche after he had filed his notice and reasons of appeal. The Board of Appeals denied the request upon the ground that it had no jurisdiction to consider the same. Appellant took an appeal to this court requesting us to review the decision of the Board refusing to consider the petition for reconsideration. On motion of appellee there we dismissed the appeal on the ground that the appeal did not present any issue of priority or question ancillary thereto. In our opinion in that case we stated:

> The appellee contends that at the time of filing the petition for rehearing involved in this controveray, appeal had been taken and was pending in this court, and for supporting authority cites *Bakelite Corp. et al.* v. *National Aniline & Chemical Co. et al.*, 83 F.(2d) 176; *Jensen et al.* v. *Lorenz et al.*, 92 F.(2d) 992; and *United States ex rel. White* v. *Coe*, 68 App. D. C. 218, 95 F.(2d) 347, and argues that:
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> It is text-book law and nothing more than common sense that "An intermediate appellate court which has rendered the decision has no power to grant a rehearing after the case has been removed to a higher court." 4 Corpus Juris Secundum, p. 2038, Sec. 1437; 4 Corpus Juris, p. 636, Sec. 2513.
>
> Appellee points out that in the *Clement* v. *Richards* v. *Meissner* case, supra [1904 C. D. 321], strongly relied upon by appellant, the petition for rehearing was filed before the notice of appeal and that in the Goddard case, supra [101 U. S. 745], appeals under the statute were allowed by the intermediate court, which is a different situation from that where the appeal is taken from the Board of Appeals under the existing statutory authority. Attention is further directed to the fact that in the Goddard case the bar to considering the petition for rehearing had been removed by granting a motion to vacate the allowance of appeal. Appellee points out that appellant has not attempted to withdraw his appeal from the said award of priority.
>
> We do not think it necessary to determine whether or not under certain circumstances the Board of Appeals would have the authority to consider a petition for rehearing after the filing of notice of appeal to this court regardless of wheather the petition for rehearing was filed before or after the notice of appeal. It is well-settled law that this court in interference cases is limited by statute in its revising and reviewing powers to such an extent that it only has jurisdiction of questions involving priority and questions ancillary thereto. [Citing cases.]

Section 4912 R. S. (35 U. S. C., section 60) reads as follows:

> When an appeal is taken to the United States Court of Customs and Patent Appeals, the appellant shall give notice thereof to the Commissioner, and file in the Patent Office, within such time as the Commissioner shall appoint, his reasons of appeal, specifically set forth in writing.

Rule 151 of the Rules of Practice in the United States Patent Office, relating to proceedings before the Board of Appeals, contains the following provision:

> • • • Petitions for rehearing or modification of the decision must be filed within thirty days after the decision or before the limit of appeal expires.

Rule 149 of said rules reads in part as follows:

149. When an appeal is taken to the U. S. Court of Customs and Patent Appeals, the appellant shall give notice thereof to the Commissioner, and file in the Patent Office, within forty days, exclusive of Sundays and holidays but including Saturday half holidays, from the date of the decision appealed from, his reasons of appeal specifically set forth in writing. * * * * * * *

The general rule is that where an appeal has been taken the effect of which is to transfer jurisdiction of the cause to the appellate court, the court from which the appeal is taken can proceed no further with respect to the subject matter of the appeal until the appeal has been disposed of.

Corpus Juris Secundum (4 C. J. S., Sec. 607) states the rule as follows:

The perfection of the appellate proceedings, and consequent transfer of jurisdiction vests the appellate court, with exclusive power over the subject matter of the proceedings, and suspends the power of the lower court with reference thereto, although it retains power to do anything necessary to the presentation of the case in the appellate court. (Citing cases.)

We have no doubt that when a notice of appeal and reasons of appeal in an appealable case are duly filed with the Commissioner of Patents, jurisdiction of the cause is transferred to this court. There is nothing left for the Commissioner to do other than to certify the record and transmit it to this court.

While our Rule XXV provides for the filing in this court of a petition of appeal, this is in no wise jurisdictional and is merely in the interest of orderly procedure, as is our rule for the printing of briefs. That our jurisdiction is not dependent upon the filing in this court of a petition for appeal is recognized by us in the amendment to said Rule XXV, adopted on December 5, 1938, which amendment reads as follows:

Provided, however, That if any adverse party in an interference case shall, within twenty days after appellant shall have filed notice of appeal to this court, file notice with the Commissioner of Patents that he elects to have all further proceedings conducted as provided in section 4915 of the Revised Statutes, certified copies of the notice of appeal and the notice of election shall be transmitted to this court by the Commissioner of Patents for appropriate action according to law.

In the case of *Galena Manufacturing Co. of Illinois, etc.* v. *Superior Oil Works*, 26 C. C. P. A. (Patents) 1301, 104 F.(2d) 400, 509 O. G. 5, we held that where an appellant has filed with the Commissioner of Patents a notice of appeal and reasons of appeal, the Commissioner has no authority under section 4911 R. S. to dismiss the appeal, and that this court alone has jurisdiction to dismiss the appeal.

In the case of *Bakelite Corp. et al.* v. *National Aniline & Chemical Co. et al.*, 83 F.(2d) 176, 467 O. G. 3, the United States Circuit Court of Appeals (2d Circuit) expressly held that an appeal is taken to this court when the notice of appeal and reasons of appeal are filed with the Commissioner of Patents.

With regard to our Rule XXV respecting petitions of appeal, the court in the last-cited case said:

The defendants rely upon the rules of the Court of Customs and Patent Appeals applicable to appeals from the Patent Office. Rule XXV requires a party desiring to appeal to file with the clerk a petition showing compliance with sections 60 and 61 of the statute and praying that his appeal may be heard for the reasons assigned therefor to the Commissioner; he must also file a certified copy of the record; and Rule V requires the payment of a docket fee. In our opinion these rules have to do with perfecting the record on appeal, like our own rules 13 and 14, rather than with what constitutes taking an appeal within the meaning of section 63. * * * (Citing cases.)

In the case of *Jensen et al.* v. *Lorenz et al.*, 92 F.(2d) 992, 482 O. G. 453, the United States Court of Appeals for the District of Columbia rendered a decision in harmony with the decision last above cited, stating:

It is our opinion that the plaintiffs took an appeal to the United States Court of Customs and Patent Appeals by force of the proceedings taken by them with the Commissioner. They served notice upon the Commissioner of their intention to appeal, and they filed in the Patent Office within forty days, which was the time required, their reasons of appeal specifically set forth in writing. Other steps were necessary to be taken in the Court of Customs and Patent Appeals to perfect the appeal, but, in so far as the Patent Office was concerned, the appeal had been taken by the action of the appellants as above set out. *Bakelite Corporation* v. *National Aniline & Chemical Co.*, 83 F.(2d) 176, 177 (C. C. A. 2d).

In the case of *United States ex rel. White* v. *Coe*, 95 F.(2d) 347, 489 O. G. 3, the United States Court of Appeals for the District of Columbia again had occasion to consider this question, and adhered to the views expressed by it in the case of *Jensen et al.* v. *Lorenz et al.*, supra, stating:

The record reveals that Preston and Preston filed with the Commissioner a notice of appeal, which included an assignment of fifteen reasons of appeal. This constituted the taking of an appeal, and thereafter it was an appeal pending in the Court of Customs and Patent Appeals, within the meaning of section 4915, R. S., as amended. *Jensen* v. *Lorenz*, 68 App. D. C. 39, 92 F.(2d) 992; *Bakelite Corporation* v. *National Aniline & Chemical Co.*, 2 Cir., 83 F.(2d) 176. * * *

It is true that many cases can be found holding that when an appeal has been allowed by the court from which an appeal is taken, the granting of a motion for rehearing in effect vacates the appeal; but most of these cases can be distinguished from the case at bar in that the Commissioner of Patents was given no jurisdiction to allow an appeal to this court, for that right was fixed by statute without the necessity of any action of the Commissioner.

The case of *Goddard* v. *Ordway*, 101 U. S. 745, illustrates this distinction. In that case the court stated:

The allowance of the appeal to Ordway was a judicial act of the court in term time. The order was entered on the minutes as part of what was done in the cause by the court while in session. In *Ex parte Lange* (18 Wall. 163), we said that "the general power of the court over its own judgments, orders, and decrees, in both civil and criminal cases, during the existence of the term at which they are first made, is undeniable." *Bassett* v. *United States*, 9 Wall. 38; *Doss* v. *Tyack*, 14 How. 297. As part of the "roll of that term," they are deemed to be "in the breast of the court during the whole term." Bac. Abr., tit. Amendment and Jeofail, A. Under this rule, we think it clear that the court had the power during the term, at the request of Ordway, to set aside the order of allowance and thus vacate the appeal which had been granted in his favor. This was done before any adverse rights had intervened. We are unable to see how the allowance of an appeal differs in this respect from any other judicial order made in the cause. If the one is subject to revocation or amendment while the term continues, so, as it seems to us, must be the other.

There is nothing in this which interferes with the rule that where an appeal is allowed all jurisdiction of the suit appealed is transferred to this court. Here the question is whether an appeal was in legal effect allowed. It is true an order of allowance was granted and entered on the minutes of the court. So long as this order continued in operation, it bound the parties; but as it remained subject to the judicial power of the court during the term at which it was entered, its revocation vacated what had been done, and left the decree standing with no appeal allowed. * * * [Italics ours.]

It is true that in the case of *Clement* v. *Richards* v. *Meissner*, 1904 C. D. 321, 111 O. G. 1627, the Commissioner of Patents held that he had jurisdiction, after a notice and reasons of appeal had been filed, to modify or set aside his decision from which the appeal was taken. In his decision the Commissioner cited two cases in support of his decision.

The first is the case of *Henry* v. *Allen et al.*, 147 N. Y. 346, 41 N. E. 694, where it was held that the fact that an appeal had been taken does not prevent a motion in the trial court for a new trial upon the ground of newly discovered evidence. While the opinion does not so state, we assume that the allowance of an appeal was within the jurisdiction of the trial court; but if otherwise, this decision is not in harmony with the great weight of authority upon the subject of appeals to an appellate court.

The other case relied upon by the Commissioner is the case of *Goddard* v. *Ordway*, supra, which is not in point for the reasons hereinbefore stated.

[1] Upon this branch of the case we conclude, upon the great weight of authority and upon reason, that upon the filing of a notice of appeal from an appealable decision, and reasons of appeal, with the Commissioner, the subject matter of the appeal is transferred to this court, and that thereafter until the appeal has been disposed of by us the tribunals of the Patent Office have no jurisdiction to grant a motion for reconsideration of the decision appealed from, even though such motion was made before the filing of such notice of appeal.

It follows from the foregoing that in the case at bar the granting by the Board of Appeals of appellant's motion for reconsideration, after appellant's notice of appeal and reasons of appeal had been filed, was a nullity, and that the Board's allowance of claim 3 of appellant's application was of no effect. It likewise follows that appellant's "Supplemental" notice and reasons of appeal is a nullity.

We recognize that this holding may, under the present rules of the Patent Office, create a hardship upon litigants in the Patent Office, for under rule 149 of the Patent Office rules an appeal from a decision must be taken within forty days, exclusive of Sundays and holidays, from the date of the decision appealed from, while rule 151 provides that petitions for reconsideration or modification may be made at any time before the limit of appeal expires.

Under section 4912 R. S. an appellant must file with the Commissioner of Patents, "within such time as the Commissioner shall appoint, his reasons of appeal, specifically set forth in writing." Thus the Commissioner has full power to fix by rule the time within which reasons of appeal shall be filed; and he may, if he sees fit, fix one time where no motion for reconsideration has been filed, and a different time in cases where such a motion has been filed; or he may fix a period running from the decision of the Patent Office tribunal disposing of a motion for reconsideration.

Of course it is not our province to suggest specific rules for the United States Patent Office, but we think it proper to suggest that the present unsatisfactory situation can be corrected by an amendment of the present rules.

It follows from the foregoing that the case is before us only upon appellant's original notice and reasons of appeal, which include the rejection of claim 3 of appellant's application. We therefore proceed to a consideration of the original decision of the Board of Appeals.

As hereinbefore stated, the Board reversed the decision of the Examiner with respect to claims 4, 6, 11, and 12, and affirmed his decision as to the remaining claims.

The distinction between the claims which the Board held allowable and the rejected method claims (other than claim 3) is the element thus described in allowed claim 4:

"treating the polymerized styrene by mechanical working to reduce methanol soluble components to less than 3% of the material."

This element is set forth in the other allowed claims substantially as set forth in claim 4.

The Board inadvertently failed to note that claim 3 contains the same element of "mechanical working" as is found in the allowed claims, and which element in the allowed claims was held by the Board to render such claims patentable over the prior art. It was this inadvertence which the Board sought to correct in its decision upon the motion for reconsideration of the Board's original decision.

[2] We are in agreement with the view of the Board that in appellant's process the element of mechanical working of the polystyrene material was new and useful, and there is no hint of this step in the reference relied upon by the Examiner. We therefore are of the opinion that claim 3 should be allowed.

With regard to the remaining rejected method claims, Nos. 1, 2, and 5, each of them provides for polymerizing styrene to a polystyrene having a molecular weight exceeding 40,000 and "treating the polymerized styrene to reduce methanol soluble components to less than 3% of the material."

Upon this point the Board in its decision stated:

The remaining claims merely call for the treating of the polymerized styrene so as to produce the desirable result. Obviously, these claims are broad enough to cover any process which will produce a product which has less than 3% of methanol soluble material. We are of the opinion that this group of claims is not patentable over the disclosure in the Wulff patent.

Appellant's counsel in their brief admit that, except for the mechanical working of the polystyrene material, the process disclosed in the patent to Wulff et al. is substantially the same as that disclosed by appellant. Their brief states:

The Wulff et al. patent (Record, pp. 28–33) relates to the production of molded artificial masses and is particularly directed to the injection molding of polymerized compounds such as polymerized styrene.

The patent discloses the polymerization of styrene by methods which are substantially the same as the method of polymerization described in the application on appeal.

The patentees stress the use of an initial styrene of as

high purity as possible, stating (Patent, page 3, left column, lines 45–52) that substantial quantities of impurities in the original material reduce the mechanical strength of the final solid product. The patentees further state that by pressing the polymerized product out of the reaction vessel in the form of threads or sticks "even small remainders of non-polymerized products are readily removed by evaporation" (Patent, page 3, right column, lines 6–24).

The patent to Wulff et al. states:

The purity of the initial material should be as high as possible, since in the case of styrene, for example, the presence of any substantial quantities, i. e. from about 2 to about 3 per cent of the styrene, of benzene, xylene or ethyl benzene, reduces the mechanical strength of the solid final products. * * *

* * * * * * *

We have found that the polymerization products are obtained in a particularly simple manner in such a form that they may be readily pulverized, dissolved, comminuted or rolled out, if after the polymerization, the hot or further heated reaction product, while still soft or plastic, is pressed out from the reaction vessel by the action of a difference in pressure, which difference may be produced by the utilization of increased internal or reduced external pressure. For example, by the use of suitably shaped nozzles, threads or sticks may be directly produced which, after leaving the nozzles, are still plastic for a certain time and may therefore readily be collected continuously, for example on spools or bobbins. By withdrawing the product in this manner there is obtained the further advantage that even small remainders of non-polymerized products are readily removed by evaporation. * * *

It is clear from these quotations that Wulff et al. recognized the desirability of securing a product which should be completely polymerized.

In the first quotation above given they state in effect that the purity of the initial material should be as high as possible for the reason that the presence of 2 to 3 per cent of benzene, xylene or ethyl benzene in the final product is undesirable; and in the second quotation they state that the remainders of non-polymerized products resulting from the process are readily removed by evaporation.

Appellant introduced into the record certain affidavits respecting tests of the process disclosed by Wulff et al., and it is therein stated that the final product contained less than 97 per cent of polystyrene. The first of these affidavits states:

That said experiments show that even after three successive extrusions the volatile content of the polystyrene material is reduced only by about 1% and that the volatile content of the extruded material is still high enough to cause frosting of molded articles made therefrom.

That when similar polystyrene material is subjected to mechanical working, at a temperature of about 125–130° C., the volatile content is reduced to less than 3% and articles molded therefrom exhibit no frosting even after six months.

It is clear from this affidavit that the improved result secured by appellant was due solely to the mechanical working of the polystyrene material, and for this contribution to the art the Board allowed claims 4, 6, 11, and 12, and, as hereinbefore stated, we hold that claim 3 should also be allowed.

Because appellant has discovered one method of securing an improved result it does not follow that he should be allowed claims that would cover all methods, such as claims 1, 2, and 5.

In the case of *In re Stack*, 24 C. C. P. A. (Patents) 836, 87 F.(2d) 210, 479 O. G. 997, we said:

* * * Appellant's contention is to the effect that since he is the first person producing a silver-tin base dental alloy having the characteristics set forth in the claims, he is entitled to all methods (even though claimed only in terms defining the desired results) for producing the same. This position is, of course, without merit. If his alloy is new and useful and if it required inventive genius to produce it, under ordinary circumstances he would be entitled to a patent on the article. He also would be entitled to a patent for a new, useful and inventive method of producing the article. But some one else who discovers a different method inventive in character might also be entitled to a patent.

* * * * * *

* * * Although an applicant may be the first to produce an article involving a chemical treatment in its production, he is not entitled to a monopoly of all methods in which chemical treatment may be involved, and, under such circumstances, the term "chemical treatment" does not lend patentability to a claim which does not define what constitutes the chemical treatment.

We are in agreement with the decisions of the Patent Office tribunals with respect to claims 1, 2, and 5. We are not satisfied, notwithstanding the affidavits in the record, that one skilled in the art, following the teachings of Wulff et al., would not produce a polymerized styrene containing less than 3 per cent of methanol soluble components.

Claims 7, 8, 9, and 10 are composition claims. With respect to these claims the Board in its decision stated:

Claims 7, 8, 9, and 10 are directed to the composition and drawn in the broadest terms so as to cover the desirable product irrespective of the method used in producing it. Undoubtedly others had conceived of a pure polymerized styrene and while that is probably impossible of attainment, still they hoped to approach as near to it as possible. Wulff says that the polymerized product should be as pure as possible and while it may be that he did not get as pure a product as is produced by appellant, still, the difference, at best, is merely one of degree. For that reason it is held that claims 7, 8, 9, and 10 are unpatentable over the Wulff patent.

Appellant's counsel challenge the statement of the Board that the Wulff et al. patent states "that the polymerized product should be as pure as possible," contending that the patent really states that the purity of the initial material should be as high as possible. Appellant's counsel are literally correct in this, but Wulff et al. state in effect as their reason for selecting initial material as pure as possible that the final product should not contain more than 2 to 3 per cent of the materials named by them, and they also state that the remainders of non-polymerized products "are readily removed by evaporation." Upon this latter statement a product would be secured reading clearly upon appellant's composition claims. We find nothing in the record negativing the last above quoted statement of Wulff et al.

In the foregoing we have assumed that the proportion of less than 3 per cent of methanol soluble material is a critical proportion, in view of the object that appellant has in view; and hence any different proportion disclosed by the reference is not merely a matter of degree; but in our opinion Wulff et al. do teach that the final product should be at least 97 per cent pure polystyrene, which would exclude any product having more than 3 per cent of methanol soluble material.

With respect to the statements in claims 8 and 10 that the product is characterized by being moldable to articles free from frosting for at least six months after molding, we would observe that this is not a positive element in the claims, and presumably a composition disclosed by Wulff et al., containing less than 3 per cent of methanol soluble material, would have the same characteristic.

For the reasons stated herein, the decision of the Board of Appeals is affirmed as to claims 1, 2, 5, and 7 to 10, inclusive, and is reversed as to claim 3.

Modified.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,223,659, W. S. Barnickel, Treatment of crude oil; 1,467,831, same, Process for treating petroleum emulsions; 1,596,589, M. De Groote, same, D. C., S. D. Calif. (Los Angeles), Doc. E 54–M, *The Tretolite Co. et al.* v. *C. C. Horton et al.* Dismissed by consent Feb. 19, 1941.

1,317,912, T. C. Dyer, Steering gear for automobiles; 1,577,821, W. P. Campbell, Stabilizing device, D. C. Mo. (Kansas City), Doc. 267, *The Anti Shimmie Mfg. Co.* v. *Montgomery Ward & Co.* Doc. 277, *The Anti Shimmie Mfg. Co.* v. *Sears, Roebuck & Co.* Decree for plaintiff Feb. 18, 1941, in both cases.

1,454,653, J. H. Rand, Jr., Visible index or reference device; 1,603,406, same, Index device, filed Mar. 5, 1941, D. C., S. D. N. Y., Doc. 13/157, *Remington Rand, Inc.*, v. *H. & R. Stationers Supply Co.*

1,467,831. (See 1,223,659.)

1,488,656, G. H. Wallace, Chemical heater; 1,978,388, R. E. Reed, Heat producing composition and method of chemically generating heat, filed Sept. 26, 1941, D. C. Mass., Doc. 928, *The Kendall Co.* v. *Congress Beauty Equipment Co.*

1,491,789, C. W. Cowles, Electrical connection; 1,805,754, S. W. Borden, Electrical connecting device for electrical conductors, D. C., S. D. Calif., C. Div., Doc. 423–B, *S. W. Borden* v. *T. & T. Electric Mfg. Co.* Judgment for defendant; patent held valid but not infringed Mar. 4, 1941.

1,533,272, R. B. Respess, Adhesive medical tape and the process of making same; Re. 19,128 (of 1,760,820), R. G. Drew, Adhesive tape; 1,814,132, same, Process for preparing adhesive tape; 1,959,413, 1,856,986, same, Adhesive sheeting; 1,895,978, same, Adhesive sheeting and masking for painting; 1,954,805, same, Method of making adhesives in the form of sheets; 2,173,829, same, Unified paper web; Re. 18,742, F. W. Farrell, Coated paper; 2,030,135, H. E. Carpenter, Adhesive unit; 1,779,588, Doty & Orcutt, Masking strip, filed Feb. 18, 1941, D. C., S. D. Calif., C. Div., Doc. 1412, *Minnesota Mining & Mfg. Co.* v. *Ever Ready Tape Corp. et al.* Patents held valid, injunction Feb. 24, 1941.

1,577,821. (See 1,317,912.) 1,596,589. (See 1,223,659.)

1,597,685, 1,714,271, J. A. Kelly, Process of making shoes; Re. 20,387, F. Maccarone, Shoe structure; 1,988,281, same, Shoe making method; 2,047,697, same, Welt shoe and method of making same; 2,084,892, A. Cocozella, Shoes and method of making same; Re. 20,273, F. Sbicca, Method of making shoes; Re. 20,274, same, Complementary insole-outsole combination shoe and method of producing same, filed Feb. 17, 1941, D. C., E. D. Mo. (St. Louis), Doc. 724, *Sbicca-Del Mac, Inc.*, v. *Milius Shoe Co.*

1,603,406. (See 1,454,653.)

1,622,957, J. Mayer, Hair waving appliance; Re. 18,841, same, Hair waving method, D. C., S. D. N. Y., Doc. 9/338, *The National Mineral Co.* v. *E. Frederics, Inc., et al.* Consent order of discontinuance (notice Feb. 8, 1941).

1,624,698, R. J. Watts, Doffer for ironing machines; T. M. 364,840, Super Ironer Corp., Ironing machines, D. C., W. D. Mich. (Grand Rapids), Doc. 79, *Super Ironer Corp.* v. *Watts Laundry Equipment Co. et al.* Patent held valid and infringed Feb. 28, 1941.

1,649,876, J. J. Walsh, Method of making electrotypes; 1,650,404, same, Royaltype plate; 1,943,526, R. T. Haines, Method of backing electrotype plates, filed Feb. 20, 1941, D. C., S. D. N. Y., Doc. 13/52, *Royal Electrotype Co.* v. *Rapid Electrotype Co.*

1,650,404. (See 1,649,876.)

1,658,353. (See Re. 19,846.)

1,660,050. (See Re. 19,846.)

1,674,657. (See Re. 19,113.)

1,714,271. (See 1,597,685.)

1,742,692, A. B. Clisson, Workholder for pressing machines; 1,958,533, E. Davis, Pressing machine; 1,880,063, J. Zimarik, Two-hand control for presses, filed Mar. 3, 1941, D. C., W. D. Mich. (Grand Rapids), Doc. 150, *The Prosperity Co., Inc.*, v. *St. Joe Machines, Inc., et al.*

1,760,820. (See 1,533,272.)

1,778,256. (See Re. 19,113.)

1,779,588. (See 1,533,272.) 1,805,754. (See 1,491,789.)

1,807,341. (See Re. 18,237.)

1,814,132. (See 1,533,272.)

1,844,146, B. J. Chromy, Apparatus and method of sound reproduction; 2,002,430, same, Radio receiving system, D. C., S. D. N. Y., Doc. 10/69, *B. J. Chromy* v. *Radio Corp. of America.* Consent order (notice Mar. 6, 1941).

1,856,190, E. R. Kast, Sheet feeding apparatus; 1,904,416, F. L. Cross, Sheet separator for paper feeding machines; 2,203,261, H. Hallstream, Pick-up for sheet feeders, filed Mar. 6, 1941, D. C., S. D. N. Y., Doc. 13/164, *Dexter Folder Co.* v. *Strawberry Hill Press, Inc.*

1,856,986. (See 1,533,272.) 1,880,063. (See 1,742,692.)

1,883,403. (See Re. 19,846.)

1,895,978. (See 1,533,272.)

1,898,535, A. Haupt et al., Method of and means for feeding paper sheets; 2,178,713, Wood & Harrold, Sheet detector, filed Mar. 6, 1941, D. C., S. D. N. Y., Doc. 13/165, *Dexter Folder Co. et al.* v. *Strawberry Hill Press, Inc.*

1,902,440, E. R. Gill, Jr., Sign; 2,043,414, F. H. Korff, Marker for highways, C. C. A., 2d Cir., Doc. —, *The Refractolite Corp. et al.* v. *Prismo Holding Corp. et al.* Judgment reversed (notice Feb. 24, 1941).

1,904,416. (See 1,856,190.)

1,920,145. (See Re. 19,113.)

1,943,526. (See 1,649,876.)

1,946,073. (See Re. 19,113.)

1,954,805. (See 1,533,272.)

1,956,516. (See Re. 19,113.)

1,958,533. (See 1,742,692.) 1,959,413. (See 1,533,272.)

1,973,481. (See Re. 19,113.)

1,978,388. (See 1,488,656.) 1,988,281. (See 1,597,685.)

1,998,759. (See Re. 19,113.)

2,002,430. (See 1,844,146.)

2,020,271. (See Re. 19,846.)

2,030,135. (See 1,533,272.)

2,036,638, F. F. Lindstaedt, Parasiticide; 2,091,840, G. D. Turnbow, Vermifuge, filed Feb. 18, 1941, D. C. Nebr. (Omaha), Doc. 204, *G. D. Turnbow et al.* v. *Gland-O-Lac Co. et al.*

2,043,414. (See 1,902,440.) 2,047,697. (See 1,597,685.)

2,084,892. (See 1,597,685.)

2,089,841, H. St. Pierre, Buckle; 2,116,745, E. A. Stuller, Buckle structure, D. C. Mass., Doc. 902, *Western Chain Products Co.* v. *St. Pierre Chain Corp. et al.* Consent decree holding patent valid and infringed Feb. 3, 1941.

2,091,840. (See 2,036,638.) 2,116,745. (See 2,089,841.)

2,147,631. (See Re. 19,846.)

2,153,257, 2,183,682, W. E. Kudrna, Wagon, D. C., S. D. Fla. (Jacksonville), Doc. 254–J, *W. E. Kudrna et al.* v. *Bunnell Motor Co.* Patents held valid, injunction Feb. 19, 1941.

2,173,829. (See 1,533,272.) 2,178,713. (See 1,898,535.)

2,183,761. (See Re. 20,757.)

2,183,682. (See 2,153,257.) 2,203,261. (See 1,856,190.)

2,204,919. (See Re. 20,757.)

Re. 18,237 (of 1,807,341), M. C. Messler, Cushioning insole for boots and shoes, filed Mar. 5, 1941, D. C. Mass., Doc. 1156, *Madge Messler* v. *Knapp Bros., Inc., et al.*

Re. 18,742. (See 1,533,272.)

Re. 18,841. (See 1,622,957.)

Re. 19,113, 1,674,637, J. R. Oishei et al., Windshield cleaner; 1,778,256, H. Hueber, same; 1,920,145, same, Wiper arm and mounting therefor; 1,946,073, Horton & Hueber, Wiper blade and mounting; 1,956,516, same, Wiper arm mounting; 1,998,759, same, Blade and arm for windshield cleaners; 1,973,481, same, Wiper carrying arm, filed Feb. 19, 1941, D. C., S. D. N. Y., Doc. 13/45, *Trico Products Corp.* v. *Unamco Automotive Mfg. Co., Inc.*

Re. 19,128. (See 1,533,272.)

Re. 19,846, Ronning & Ronning, Combination tractor grader; 1,658,353, same, Combination traction implement; 1,660,050, same, Road grader; 1,883,403, same, Road machine; 2,020,271, R. J. Winsor, Road working machine; 2,147,631, F. E. Arndt, Road grader, D. C., S. D. Ill., N. D., Doc. 64–P, *Ronning Machinery Co. et al.* v. *Caterpillar Tractor Co.* Bill dismissed for lack of equity; counterclaim dismissed Mar. 3, 1941.

Re. 20,273. (See 1,597,685.)

Re. 20,274. (See 1,597,685.)

Re. 20,387. (See 1,597,685.)

Re. 20,757, R. M. Blakely, Transmission; 2,183,761, Aspinwall & Tyler, Torque conveying and converting apparatus; 2,204,919, T. B. Tyler, Automatic transmission, filed Mar. 1, 1941, D. C., E. D. Mich., S. Div., Doc. 2498, *The Monopower Corp.* v. *General Motors Corp.*

Des. 119,994, Des. 124,994, I. Cummings, Textile fabric, filed Mar. 6, 1941, D. C., S. D. N. Y., Doc. 13/176, *Shamokin Woolen Mills, Inc.*, v. *Cortille Fabrics, Inc.*

Des. 124,994. (See Des. 119,994.)

T. M. 293,297, V. La Rosa & Sons, Inc., Alimentary pastes; T. M. 313,418, same, Alimentary paste products, filed Feb. 28, 1941, D. C. Conn. (New Haven), Doc. 563, *V. La Rosa & Sons, Inc.*, v. *Duilio Borrelini et al.*

T. M. 313,418. (See T. M. 293,297.)

T. M. 364,840. (See 1,624,698.)

TRADE-MARKS

OFFICIAL GAZETTE, MAY 20, 1941

[VOL. 526. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 417,951. AMERICAN PHENOLIC CORPORATION, Chicago, Ill. Filed Apr. 7, 1939.

Sunex

FOR SYNTHETIC INITIALLY FLUID OR PLASTIC MATERIAL IN THE NATURE OF SYNTHETIC RESIN FOR USE INCLUDING ADHESIVE PURPOSES IN MAKING DUAL-PLATE SAFETY GLASS, COATING AND WATER-PROOFING APPLIED TO FABRIC, PAPER, AND WOOD, AND FLEXIBLE INSULATING AND WATER-PROOFING APPLIED TO COILS, CABLES, AND OTHER ELECTRICAL CONDUCTORS.
Claims use since Jan. 1, 1932.

Ser. No. 437,025. BROWN RUBBER COMPANY, INC., Lafayette, Ind. Filed Oct. 17, 1940.

DIE-X-PEL

FOR SPONGE RUBBER IN SHEET AND VARIOUS OTHER FORMS.
Claims use since Sept. 14, 1940.

Ser. No. 438,887. LACTONA, INCORPORATED, St. Paul, Minn. Filed Dec. 16, 1940.

LACTON

FOR SYNTHETIC BRISTLING FILAMENTS.
Claims use since Nov. 15, 1940.

Ser. No. 440,927. FAESY & BESTHOFF, INC., New York, N. Y. Filed Feb. 24, 1941.

SCOTCH THISTLE

The word "Scotch" is disclaimed apart from the mark.
FOR PEAT MOSS.
Claims use since Feb. 11, 1941.

Ser. No. 440,928. FAESY & BESTHOFF, INC., New York, N. Y. Filed Feb. 24, 1941.

SCOTCH HEATHER

The word "Scotch" is disclaimed apart from the mark.
FOR PEAT MOSS.
Claims use since Feb. 11, 1941.

Ser. No. 441,080. BESSEMER COAL, IRON & LAND COMPANY, Birmingham, Ala. Filed Feb. 28, 1941.



The words "Wind Rock" are disclaimed apart from the mark.
FOR COAL.
Claims use since 1905.

Ser. No. 441,168. LOEWENGART & COMPANY, New York, N. Y. Filed Mar. 3, 1941.

GAHNA

FOR LEATHER SKINS AND LEATHER IN THE PIECE IN FLAT, ROUND, OR SIMILAR SHAPE.
Claims use since Feb. 24, 1941.

CLASS 2

RECEPTACLES

Ser. No. 441,094. BAY WEST PAPER COMPANY, Green Bay, Wis. Filed Mar. 27, 1941.



FILM-FITER

FOR CABINETS FOR USE OUT-OF-DOORS TO HOLD PAPER TOWELING AND MECHANICAL SOLUTIONS FOR AUTOMOBILE WINDSHIELD CLEANING.
Claims use since Jan. 2, 1941.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 442,271. ETHEL NAGEL, New York, N. Y. Filed Apr. 4, 1941.

"Me"

FOR LADIES' AND CHILDREN'S HANDBAGS.
Claims use since Apr. 1, 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 433,476. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y. Filed June 28, 1940.

ECONOMY

FOR SHEET MATERIAL COATED WITH ABRASIVE GRAINS.
Claims use since October, 1912.

Ser. No. 438,731. HARRIS GOLDBERG, doing business as Eastern New England Company, Middletown, Conn. Filed Dec. 11, 1940.

ENECO

FOR STOVE POLISH.
Claims use since June 2, 1939.

Ser. No. 440,998. WILLIAM J. SCHEPP, doing business as Schepp Laboratories, East Paterson, N. J. Filed Feb. 26, 1941.

FILMOFOAM

FOR SAPONACEOUS OR NON-SAPONACEOUS CLEANSING FILM FOR PERSONAL SANITATION AND OTHER INCIDENTAL USES.
Claims use since Dec. 18, 1940.

Ser. No. 441,414. DR. W. J. ROSS COMPANY, Los Alamitos, Calif. Filed Mar. 10, 1941.



FOR GRANULATED SOAP.
Claims use since March, 1939.

Ser. No. 441,859. CLAIRE MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 24, 1941.

Pineheart

FOR SOAP.
Claims use since Mar. 1, 1940.

CLASS 5

ADHESIVES

Ser. No. 442,353. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Apr. 7, 1941.

KORDEK

FOR CEREAL CORE BINDERS FOR USE IN FOUNDRIES.
Claims use since Aug. 22, 1917.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 432,463. SIMPSON LAMAR COWLEY, doing business as Cowley Manufacturing Company, Hugo, Okla. Filed May 29, 1940.



FOR RAT AND MOUSE EXTERMINATORS.
Claims use since Apr. 20, 1940.

Ser. No. 439,449. SYNFLEUR SCIENTIFIC LABORATORIES, INC., Monticello, N. Y. Filed Jan. 6, 1941.

Synfleur

FOR CHEMICALS USED FOR IMPARTING ODOR OR COLOR TO PERFUMES OR PERFUMED PREPARATIONS.
Claims use since Jan. 1, 1905.

Ser. No. 441,190. ATLAS POWDER COMPANY, Wilmington, Del. Filed Mar. 4, 1941.

NNOP

FOR AGRICULTURAL PARASITICIDES.
Claims use since Oct. 29, 1940.

Ser. No. 441,251. NATIONAL PHARMACY COMPANY, San Francisco, Calif. Filed Mar. 5, 1941.



O AND H

The drawing is lined for orange.
FOR COUGH SYRUP.
Claims use since May 25, 1939.

Ser. No. 441,254. PARFUMS CHARBERT, INC., New York, N. Y. Filed Mar. 5, 1941.

"EXPRESSLY YOURS"

FOR PERFUMES, TOILET WATERS, SACHETS, EAU DE COLOGNES, TALCUM POWDER, FACE POWDER, BATH POWDER, FACE CREAMS, AND CLEANSING CREAMS.
Claims use since Jan. 31, 1941.

Ser. No. 441,267. U. S. INDUSTRIAL CHEMICALS, INC., New York, N. Y. Filed Mar. 5, 1941.



FOR ALCOHOL-TYPE SOLVENT PARTICULARLY DESIGNED TO FULFIL THE DE-ICING REQUIREMENTS FOR AVIATION CARBURETORS, PROPELLERS, AND WINDSHIELDS.
Claims use since Feb. 25, 1941.

Ser. No. 441,286. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Mar. 6, 1941.

NITRANITOL

FOR PRODUCT USED IN THE TREATMENT OF HIGH BLOOD PRESSURE.
Claims use since Feb. 19, 1941.

Ser. No. 441,302. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Mar. 7, 1941.

GLASS HOUSE

FOR LIPSTICKS AND ROUGES.
Claims use since Feb. 7, 1940.

Ser. No. 441,326. PARFUMS CIRO, INC., New York, N. Y. Filed Mar. 7, 1941.

new Horizons

FOR PERFUMES AND TOILET WATER.
Claims use since Mar. 4, 1941.

Ser. No. 441,408. NYAL COMPANY, Detroit, Mich. Filed Mar. 10, 1941.

TRIPLICO

FOR PREPARATIONS USED IN THE TREATMENT OF COLDS.
Claims use since Jan. 30, 1941.

Ser. No. 441,409. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Mar. 10, 1941.

TAKA-COMBEX

FOR COMBINATION OF VITAMIN B COMPLEX WITH A DIASTATIC ENZYME FOR USE IN TREATMENT OF CERTAIN DIGESTIVE DISTURBANCES AND VITAMIN B DEFICIENCIES.
Claims use since Jan. 19, 1941.

Ser. No. 441,434. THE HARROWER LABORATORY, INC., Glendale, Calif. Filed Mar. 11, 1941.

BILICHOLAN

FOR PREPARATION FOR USE AS A STIMULANT IN GASTROENTEROLOGICAL PRACTICE.
Claims use since Feb. 3, 1941.

Ser. No. 441,448. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Mar. 11, 1941.

VINOTHIAM

FOR TONICS, ELIXIRS, PREPARATIONS FOR CORRECTION OF METABOLIC DEFICIENCIES, INCLUDING VITAMIN CONTAINING PREPARATIONS, INCLUDING PREPARATIONS CONTAINING VITAMIN B_1 OR THIAMIN HYDROCHLORIDE INCLUDING MEDICINAL WINE BASE PREPARATIONS CONTAINING VITAMINS.
Claims use since Mar. 7, 1941.

Ser. No. 441,458. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa. Filed Mar. 11, 1941.

BEPLETE

FOR VITAMIN FORTIFIED YEAST CONCENTRATE.
Claims use since Mar. 5, 1941.

Ser. No. 441,803. ABBOTT LABORATORIES, North Chicago, Ill. Filed Mar. 22, 1941.

STERLAC

FOR DEODORIZER AND DISINFECTANT.
Claims use since December, 1939.

Ser. No. 441,849. THE B-P T COMPANY, INC., Los Angeles, Calif. Filed Mar. 24, 1941.

Formula A-M

The word "Formula" is disclaimed apart from the mark.
FOR TREATMENT FOR RELIEF OF EFFECTS OF ALCOHOL AND ALCOHOLIC TOXINS IN THE HUMAN BODY.
Claims use since Sept. 27, 1938.

Ser. No. 442,151. JOHN H. WALLACE, JR., doing business as Wallace Laboratories, Jersey City, N. J. Filed Mar. 31, 1941.

BACTRAMIDE

FOR PHARMACEUTICAL OINTMENT WITH ANTISEPTIC PROPERTIES.
Claims use since Mar. 15, 1941.

Ser. No. 442,152. JOHN H. WALLACE, JR., doing business as Wallace Laboratories, Jersey City, N. J. Filed Mar. 31, 1941.

BACTRAZOLE

FOR PHARMACEUTICAL OINTMENT WITH ANTISEPTIC PROPERTIES.
Claims use since Mar. 15, 1941.

Ser. No. 442,184. BELLIN'S WONDERSTOEN CO., INC., New York, N. Y. Filed Apr. 2, 1941.

WAID

FOR FOOT BUBBLE BATH PREPARATION.
Claims use since Mar. 15, 1941.

Ser. No. 442,194. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Apr. 2, 1941.

VIRONTA

FOR MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF ANEMIA AND VITAMIN DEFICIENCY CONDITIONS.
Claims use since Mar. 10, 1941.

Ser. No. 442,247. THE ARMAND COMPANY, Des Moines, Iowa. Filed Mar. 31, 1941.

TRITANOL

FOR TRIETHANOLAMINE, USABLE FOR VARIOUS PURPOSES SUCH AS BEARD-SOFTENING INGREDIENT USED IN SHAVING CREAM.
Claims use since Jan. 21, 1941.

Ser. No. 442,267. H. G. KNOLL & CO., INC., New York, N. Y. Filed Apr. 4, 1941.

Thiabrit

FOR SEDATIVES.
Claims use since Feb. 13, 1941.

Ser. No. 442,403. ARTHUR TAUBE, Floral Park, Long Island, N. Y. Filed Apr. 8, 1941.

Artfax

FOR NAIL AND CUTICLE CREAM.
Claims use since November, 1940.

Ser. No. 442,533. LONG ISLAND BARBER SUPPLY CO., Patchogue, N. Y. Filed Apr. 12, 1941.

GENT-NEET

FOR HAIR DRESSING PREPARATION.
Claims use since Mar. 13, 1941.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 441,281. ECUSTA PAPER CORPORATION, Pisgah Forest, N. C. Filed Mar. 6, 1941.

ECUSTA

FOR CIGARETTE PAPER.
Claims use since Feb. 11, 1941.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 432,590. F. S. WEBSTER COMPANY, Cambridge, Mass. Filed June 1, 1940.

OLD OAK TREE



FOR CARBON PAPER.
Claims use since Dec. 31, 1913.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 441,543. THE M. W. KELLOGG COMPANY, Jersey City, N. J., and New York, N. Y. Filed Mar. 14, 1941.

KASTIC

FOR PLASTIC MONOLITHIC REFRACTORIES.
Claims use since Apr. 12, 1937.

Ser. No. 441,809. THE CELOTEX CORPORATION, Chicago, Ill. Filed Mar. 22, 1941.

THERMAX

FOR STRUCTURAL STEEL MEMBERS.
Claims use since Mar. 6, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 434,499. PARA MANUFACTURING CO., INC., Newark, N. J. Filed July 30, 1940.

Paralon

FOR SHOWER BATH CURTAINS AND MATCHING WINDOW DRAPES AND SHOWER CURTAINS SOLD TOGETHER AS A UNIT.
Claims use since June 19, 1940.

Ser. No. 441,902. COLUMBUS MCKINNON CHAIN CORPORATION, Tonawanda, N. Y. Filed Mar. 25, 1941.

CLAW

FOR ANTI-SKID CHAINS.
Claims use since Sept. 18, 1925.

Ser. No. 441,911. GROVE REGULATOR COMPANY, Oakland, Calif. Filed Mar. 25, 1941.

GROVE

FOR PRESSURE CONTROLLERS AND AUTOMATIC VALVES.
Claims use since Feb. 1, 1935.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 399,600. DAIMLER-BENZ AKTIENGESELLSCHAFT, Stuttgart-Unterturkheim, Germany. Filed Nov. 11, 1937.

MERCEDES BENZ

FOR STEEL ARTICLES SUCH AS FLAT IRON, ROUGH, UNFINISHED MACHINERY CASTINGS, ANCHORS, BED-PLATES, IRON, STEEL, BRASS, COPPER, AND SILVER WIRE, FISH-PLATES, PRINTING-TYPE,

SOLDER, ROLLED METAL BARS, ROLLED METAL RAILS, ROLLED METAL SHEET AND CORRUGATED METAL SHEET, UNFINISHED ROLLED METAL CYLINDERS USED, FOR INSTANCE, FOR CYLINDRICAL STUFFING BOXES AND AS BRAKE CYLINDERS; UNFINISHED CAST CYLINDERS, CAST-IRON BARS AND RODS, CAST-IRON PLATE, FORGED METAL BARS, FORGED RAILS, AND FORGED METAL SHEETS.
Claims use since October, 1926.

Ser. No. 403,645. DAIMLER-BENZ AKTIENGESELLSCHAFT, Stuttgart-Unterturkheim, Germany. Filed Mar. 3, 1938.

DIESEL

FOR STEEL ARTICLES SUCH AS FLAT IRON, ROUGH, UNFINISHED MACHINERY CASTINGS, ANCHORS, BED-PLATES, IRON, STEEL, BRASS, COPPER, AND SILVER WIRE, FISH-PLATES, PRINTING-TYPE, SOLDER, ROLLED METAL BARS, ROLLED METAL RAILS, ROLLED METAL SHEET AND CORRUGATED METAL SHEET, UNFINISHED ROLLED METAL CYLINDERS USED, FOR INSTANCE, FOR CYLINDRICAL STUFFING BOXES AND AS BRAKE CYLINDERS; UNFINISHED CAST CYLINDERS, CAST-IRON BARS AND RODS, CAST-IRON PLATE, FORGED METAL BARS, FORGED RAILS, AND FORGED METAL SHEETS.
Claims use since December, 1932.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 440,896. WESTERN PAINT & VARNISH COMPANY, Duluth, Minn. Filed Feb. 21, 1941.

AMERICAN MAID



The word "American" is disclaimed apart from the mark.
FOR LIQUID AND PASTE WAX FOR FURNITURE, FLOORS, LINOLEUM, AND WOODWORK, AND FURNITURE AND AUTOMOBILE POLISH.
Claims use since Feb. 15, 1935.

Ser. No. 440,940. S. C. JOHNSON & SON, INC., Racine, Wis. Filed Feb. 24, 1941.

CAR NU

FOR COMBINATION CLEANING AND WAX POLISHING PREPARATION FOR AUTOMOBILES, AND ENAMELED AND PAINTED SURFACES.
Claims use since July 1, 1919.

Ser. No. 441,813. DERRIS, INC., New York, N. Y. Filed Mar. 22, 1941.

THRIFT

FOR FLOOR WAX AND FURNITURE POLISH.
Claims use since Mar. 1, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 442,022. ARNOLD, SCHWINN & Co., Chicago, Ill. Filed Mar. 28, 1941.



The drawing is lined for red.
FOR BICYCLES.
Claims use since Jan. 27, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 401,257. INGALLS W. GODFREY, doing business as King Electrical Parts Manufacturing Co., Brooklyn and New York, N. Y. Filed Dec. 27, 1937.

KING

FOR ELECTRICAL AUTOMOBILE PARTS—NAMELY, CONDENSERS AND CONDENSER PARTS, DISTRIBUTORS AND DISTRIBUTOR PARTS, STARTERS AND STARTER PARTS, GENERATORS AND GENERATOR PARTS, CONDUCTOR WIRES AND TERMINALS, IGNITION SWITCHES AND PARTS, CABLES, IGNITION COILS, AUTOMOBILE HORNS AND PARTS, IGNITION LOCKS, MAGNETO PARTS, VOLTAGE CURRENT CONTROL REGULATORS, SPARK PLUG CONNECTORS, DIMMER SWITCHES, STARTER SWITCHES AND TIMING DEVICES.
Claims use since Dec. 22, 1937.

Ser. No. 435,269. THE WHEELER INSULATED WIRE CO., Bridgeport, Conn. Filed Aug. 22, 1940.

MANUALITE

FOR SWITCHES FOR FLUORESCENT LIGHTS.
Claims use since Aug. 8, 1940.

Ser. No. 440,371. GENEVA BANDY CHRISTENSEN, New Rochelle, N. Y. Filed Feb. 6, 1941.

MINILUME

FOR DEVICES FOR ILLUMINATING TRANSPARENCIES COMPRISING A CASING CONTAINING MEANS FOR SUPPORTING THE TRANSPARENCY WHICH MAY BE A TRANSLUCENT PHOTOGRAPH OR SIMILAR MEDIUM, AND AN ELECTRICALLY ENERGIZED LIGHT SOURCE, ADAPTED TO ILLUMINATE THE SAID TRANSPARENCY; ELECTRICAL LAMPS; AND ELECTRICAL LIGHTING FIXTURES.
Claims use since Oct. 1, 1940.

Ser. No. 440,800. CENTURY RADIO CO. INC., Philadelphia, Pa. Filed Feb. 20, 1941.

CRC

FOR ELECTRICAL SIGNAL RECEIVING UNITS, SUCH AS RADIO AND VICTROLA SETS AND TELEVISION SETS.
Claims use since July, 1939.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 441,141. THE RAMSMORE SLED COMPANY, INC., New York, N. Y. Filed Mar. 1, 1941.

SNOW RACER

The word "Racer" is disclaimed apart from the mark.
FOR COASTER SLEDS.
Claims use since Dec. 18, 1940.

Ser. No. 442,245. SEIWAM METAL LURES, Columbus, Ind. Filed Apr. 3, 1941.

SEIWAM

FOR ARTIFICIAL FISHING BAIT INCLUDING SPINNER AND WOBBLER TYPES, BUCK AND HAIR TAILS, AND METAL PLUGS.
Claims use since Mar. 15, 1941.

Ser. No. 442,549. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Apr. 14, 1941.

RAGGEDY ANN'S

FOR TOY EMBROIDERY SETS.
Claims use since Feb. 1, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 421,825. UDDEHOLMS AKTIEBOLAG, Uddeholm, Sweden. Filed July 21, 1939.

ÆB

FOR RAZOR BLADES.
Claims use since Aug. 24, 1926.

Ser. No. 425,187. CONSOLIDATED SEWING MACHINE & SUPPLY CO. INC., New York, N. Y. Filed Nov. 3, 1939.

CON-SEW'S

FOR SEWING MACHINES.
Claims use since Oct. 1, 1939.

Ser. No. 428,474. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Feb. 12, 1940.

ISOFEEDER

FOR MECHANICALLY OPERATED AND CYCLE GOVERNED DISPENSER OF CLEANING SOLUTIONS FOR USE WITH AND AS ACCESSORY FOR MACHINES FOR WASHING BOTTLES, CANS, DISHES, AND THE LIKE.

Claims use since Jan. 25, 1940.

Ser. No. 438,298. ALBERT THOMAS BABINEAU, Los Angeles, Calif. Filed Nov. 28, 1940.

IDEAL

FOR PIVOT BORING TOOL HOLDER FOR LATHE USE.

Claims use since Nov. 2, 1940.

Ser. No. 438,393. ISAACSON IRON WORKS, Seattle, Wash. Filed Nov. 30, 1940.

WHEEL-TOR

The word "Wheel" is disclaimed except as shown.

FOR WHEELED CONVERSION UNITS FOR THE REPLACEMENT OF CRAWLER EQUIPMENT OF TRACTORS.

Claims use since July 1, 1940.

Ser. No. 439,722. MUNICIPAL SUPPLY COMPANY, South Bend, Ind. Filed Jan. 16, 1941.

GUTTER-SNIPE

FOR SELF-PROPELLED PICKUP STREET SWEEPERS.

Claims use since May 8, 1940.

Ser. No. 440,194. DURO METAL PRODUCTS COMPANY, Chi- Ill. Filed Feb. 1, 1941.

DURO-BILT

Applicant disclaims the word "Bilt" apart from the mark.

FOR POWER TOOLS—NAMELY, TABLE SAWS; JOINTERS; DRILL PRESSES; BAND SAWS; SHAPERS; ROUTERS; CARVERS; SCROLL SAWS; LATHES; GRINDERS; BELT SANDERS; PORTABLE DRILLS; GRINDER AND POLISHER HEADS; PARTS, ACCESSORIES AND ATTACHMENTS THEREFOR, INCLUDING FLEXIBLE DRIVE SHAFTS; STANDS; MOTOR MOUNTINGS; DRILL PRESS VISES; HOLD DOWNS FOR JOINTERS AND THE LIKE; SPEED REDUCING JACK SHAFT ASSEMBLIES; BED EXTENSIONS FOR LATHES; BURRS; SHANKS FOR MOUNTING ABRASIVE POINTS; ROUTER BITS; CUTTERS FOR ROUTERS, CARVERS, AND JOINTERS; LATHE CHISELS AND GOUGES; BITS AND HOLLOW CHISELS; LATHE DOGS AND TOOL BITS; CHUCKS; AND PULLEYS (BUT NOT INCLUDING SAW BLADES); AND AUTOMOTIVE TOOLS—NAMELY, SOCKET WRENCHES, SOCKET WRENCH KITS, SCREW DRIVERS, VALVE REAMERS, AND VALVE GRINDERS.

Claims use since Oct. 12, 1929, on automotive tools; since Nov. 15, 1940, on rest of articles.

Ser. No. 440,405. CENTRAL SCIENTIFIC COMPANY, Chicago, Ill. Filed Feb. 7, 1941.

PRESSOVAC

FOR PUMPS FOR HANDLING GASEOUS FLUIDS.

Claims use since Mar. 25, 1938.

Ser. No. 440,500. GARLINGHOUSE BROTHERS, Los Angeles, Calif. Filed Feb. 10, 1941.

GAR-BRO

FOR CONCRETE HOLDING HOPPERS, CONCRETE HOLDING BINS, CONCRETE HOISTING BUCKETS, CONCRETE HANDLING TOWERS, CONCRETE HANDLING TOWER SHEAVES, CONCRETE HANDLING BUCKETS, CONCRETE CHUTES, CONCRETE MIXERS, CONCRETE FORMS, MATERIAL HOLDING BINS, SHEAVES, PULLEY BLOCKS, GASOLINE MOTOR DRIVEN HOISTS, PUMPS, PORTABLE BELT CONVEYORS, STORAGE BIN GATES, AND CEMENT BIN GATES.

Claims use since Dec. 1, 1930.

Ser. No. 440,844. WÄRTSILÄ-YHTYMÄ O/Y-WÄRTSILÄ-KONCERNEN A/B, Vartsila, Finland. Filed Feb. 20, 1941.

ALONA

FOR DAIRY MACHINERY—NAMELY, CREAM SEPARATORS, CLARIFIERS, MILKING MACHINES, PURIFIERS, BUTTER CHURNS, AND PARTS THEREOF.

Claims use since 1926.

Ser. No. 441,120. ARPS CORPORATION, New Holstein, Wis. Filed Mar. 1, 1941.

BLACKHAWK

FOR HIGHWAY TRACTOR ATTACHMENTS, COMPRISING PICK-UP SCRAPERS, SCARIFIERS, ROAD GRADERS, SNOW PLOWS, BULLDOZERS, ANGLEDOZERS, MOWERS, AND HOISTS.

Claims use since July 1, 1930.

Ser. No. 441,160. RALPH A. EDENS, doing business as Falcon Tool Company, Detroit, Mich. Filed Mar. 3, 1941.

FALCON

FOR METAL WORKING TOOLS—NAMELY, METAL CUTTING TOOLS, TOOL HOLDERS, AND CHUCKS.

Claims use since Aug. 1, 1936.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 427,451. GEO. D. ROPER CORPORATION, Rockford, Ill. Filed Jan. 15, 1940.

R

FOR OVEN THERMOSTATS FOR GAS RANGES.

Claims use since Dec. 27, 1939.

Ser. No. 435,398. MILLS NOVELTY COMPANY, Chicago, Ill. Filed Aug. 26, 1940.

SOUNDIES

FOR SOUND MOTION PICTURES.

Claims use since June 12, 1940.

Ser. No. 439,987. "AUTOMATIC" SPRINKLER COMPANY OF AMERICA, Youngstown, Ohio. Filed Jan. 27, 1941.

TROJAN

FOR FIXED TEMPERATURE AND RATE-OF-RISE TYPES OF SPRINKLER SYSTEM CONTROL THERMOSTATS.

Claims use since June 15, 1940.

Ser. No. 440,690. KING-SEELEY CORPORATION, Ann Arbor, Mich. Filed Feb. 15, 1941.

KS

FOR AMMETERS, OIL GAUGES, GASOLINE GAUGES, HEAT INDICATORS, SPEEDOMETERS, AND MOUNTINGS THEREFOR, AND STOVE TIMERS (DEVICES USED IN CONJUNCTION WITH COOKING STOVES TO AUDIBLY INDICATE WHEN SOME FOOD PRODUCT HAS COOKED FOR A SUFFICIENT LENGTH OF TIME).

Claims use since July, 1937.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 434,664. NATIONAL TIME & SIGNAL CORPORATION, Detroit, Mich. Filed Aug. 3, 1940.

SYNCROTIME

FOR TIMING MECHANISMS—NAMELY, CLOCKS, CLOCK TIMEKEEPERS, AND CLOCKS FOR AUTOMATIC DISMISSAL SIGNALLING.

Claims use since Feb. 1, 1935.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 442,312. EDISON GENERAL ELECTRIC APPLIANCE COMPANY, INC., Chicago, Ill. Filed Apr. 5, 1941.

Hotpoint

FOR ELECTRIC REFRIGERATING MACHINES AND PARTS THEREOF.

Claims use since January, 1937.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 441,169. EUGENE F. MCCLUNG, doing business as Royal Auto Products Company, Huntington Park, Calif. Filed Mar. 3, 1941.

Velvetread

FOR MATS MADE OF RUBBERIZED CORDS ASSEMBLED ON STEEL SPRING WIRE FOR DOOR-STEPS, LAUNDRIES, AND KITCHENS.

Claims use since Apr. 1, 1940.

Ser. No. 442,008. MEYER GREITZER, Los Angeles, Calif. Filed Mar. 27, 1941.

NO-MAR CHAIR

No claim is made to the word "Chair" apart from the mark.

FOR CHAIRS.

Claims use since Dec. 10, 1940.

Ser. No. 442,317. GAVIN-SIMON, Far Rockaway, Long Island, N. Y. Filed Apr. 5, 1941.

"LOLL-A-BOUT"

FOR CHAIRS AND SOFAS.

Claims use since Apr. 3, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 403,164. CENTURY ENGINEERING CORPORATION, Cedar Rapids, Iowa. Filed Feb. 18, 1938.

ZONE MASTER

The drawing is hatched for black.
FOR BOILERS AND FURNACES AND PARTS THEREOF FOR BURNING SOLID AND FLUID FUELS.
Claims use since Jan. 29, 1938.

Ser. No. 440,169. A. J. LINDEMANN & HOVERSON COMPANY, Milwaukee, Wis. Filed Jan. 31, 1941.

TOP SEAL

The drawing is lined for red.
FOR WICKS FOR LIQUID HYDROCARBON FUEL BURNERS.
Claims use since July 1, 1938.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 441,004. WILKENING MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 26, 1941.

MERCURY

FOR METALLIC PISTON RINGS AND SPRING EXPANDERS THEREFOR.
Claims use since May 24, 1940.

Ser. No. 441,005. WILKENING MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 26, 1941.

VULCAN

FOR METALLIC PISTON RINGS, AND SPRING EXPANDERS THEREFOR.
Claims use since May 24, 1940.

Ser. No. 441,321. THE MOHAWK RUBBER COMPANY, Akron, Ohio. Filed Mar. 7, 1941.

AMERICAN CHIEF

The name "American" is disclaimed apart from the mark.
FOR VEHICLE TIRES OF RUBBER OR RUBBER COMPOSITION OR RUBBER AND FABRIC.
Claims use since Feb. 24, 1941.

Ser. No. 442,482. BROADWAY TIRE COMPANY, New York, N. Y. Filed Apr. 11, 1941.

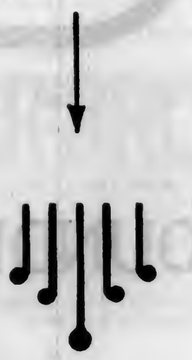
DURAFLEX

FOR AUTOMOBILE TIRE CASINGS AND INNER TUBES THEREFOR, CONSTRUCTED WHOLLY OR PARTLY OF RUBBER.
Claims use since February, 1940.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 437,820. THE FRED GRETSCH MANUFACTURING CO., Brooklyn, N. Y. Filed Nov. 13, 1940.



FOR FLUTES.
Claims use since Sept. 27, 1940.

Ser. No. 440,368. CONTINENTAL RADIO AND TELEVISION CORPORATION, Chicago, Ill. Filed Feb. 6, 1941.

Slide-A-Way

FOR COMBINATION RADIO AND PHONOGRAPH.
Claims use since Jan. 14, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 440,420. BENJAMIN MICHAELIS, doing business as Statolet Company, New York, N. Y. Filed Feb. 7, 1941.

STALLO

FOR PENCILS, FOUNTAIN-PENS, RULERS (UNGRADUATED), ERASERS, PEN AND PENCIL HOLDERS, PENCIL SHARPENERS, DESK CALENDARS, PAPER CLIPS, BLOTTING PAPER, STENCILS, PAPER-FILE PERFORATORS, COVERS FOR SHEETS, DEVICES FOR MOISTENING GUMMED PAPER STRIP MATERIAL, DIARIES, LOOSE-LEAF BOOKS AND STAMP-COLLECTOR-FOLDERS CONTAINING BLANK LEAVES.
Claims use since Jan. 24, 1941.

Ser. No. 440,676. CROWN ZELLERBACH CORPORATION, doing business as Western Waxed Paper Company, Division of Crown Zellerbach Corporation, San Francisco, Calif., and North Portland, Oreg. Filed Feb. 15, 1941.

LOCKERAP

FOR WAXED PAPER TO BE USED PARTICULARLY FOR WRAPPING ARTICLES OF FOOD, ETC.
Claims use since Feb. 3, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 420,974. THE STATE AUTOMOBILE INSURANCE ASSOCIATION BY AUTOMOBILE UNDERWRITERS, INC., ATTORNEY-IN-FACT, Des Moines, Iowa. Filed June 26, 1939.

X Marks the Spot

FOR PERIODICAL PUBLICATION.
Claims use since May 1, 1939.

Ser. No. 438,548. JULIAN OLLENDORFF, New York, N. Y. Filed Dec. 5, 1940.

CLICKS AND CLUCKS

FOR COMIC CARTOONS OR DRAWINGS.
Claims use since June 14, 1940.

Ser. No. 438,958. THE NETHERLANDS-AMERICAN DIGEST, INC., New York, N. Y. Filed Dec. 17, 1940.

THE KNICKERBOCKER

FOR MAGAZINES ISSUED MONTHLY.
Claims use since Dec. 11, 1939.

Ser. No. 439,618. FRED P. HAMILTON, JR., Omaha, Nebr. Filed Jan. 13, 1941.

TransAd

The word "Ad" is disclaimed apart from the mark.
FOR PRINTED TRANSFERS USED IN TRANSPORTATION SYSTEMS AND SOLD AS SUCH.
Claims use since Dec. 3, 1940.

Ser. No. 440,178. FREDERICK C. RUSSELL, West Hartford, Conn. Filed Jan. 31, 1941.

RIDING WITH RUSSELL

The word "Russell" is disclaimed apart from the mark.
FOR NEWSPAPER ARTICLES.
Claims use since Oct. 26, 1940.

Ser. No. 440,477. TRIBUNE COMPANY, Chicago, Ill. Filed Feb. 8, 1941.

MR·EX

FOR SERIES OF CARTOONS.
Claims use since Jan. 26, 1941.

Ser. No. 440,557. THE KINGSWAY PRESS, INC., New York, N. Y., assignor to Yourself Publications, Inc., New York, N. Y. Filed Feb. 11, 1941.

PERSONALITY

FOR MAGAZINE PUBLISHED FROM TIME TO TIME.
Claims use since Jan. 31, 1941.

Ser. No. 440,944. MID-WEST COMMUNITY SALES SERVICE CO., Des Moines, Iowa. Filed Feb. 24, 1941.

Pig-in-a-Poke

FOR PERIODICAL.
Claims use since Feb. 1, 1941.

Ser. No. 441,309. DAN E. CLARK, II, doing business as Dan E. Clark, II, and Associates, New York, N. Y. Filed Mar. 7, 1941.

THE FRONT DOOR BALLOT BOX

FOR FEATURE COLUMN OR ARTICLE OF PERIODICALS OF REGULAR ISSUE INCLUDING DAILY NEWSPAPERS.
Claims use since October, 1939.

Ser. No. 441,341. ALL AMERICAN COMICS, INC., New York, N. Y. Filed Mar. 8, 1941.

All-Flash QUARTERLY

The word "Quarterly" is disclaimed apart from the mark.
FOR MAGAZINE PUBLICATION.
Claims use since Feb. 3, 1941.

Ser. No. 441,402. THE MEREDITH PUBLISHING COMPANY, Des Moines, Iowa. Filed Mar. 10, 1941.

What's New IN Farming

FOR SECTION IN A MAGAZINE.
Claims use since June, 1929.

Ser. No. 441,403. THE MEREDITH PUBLISHING COMPANY, Des Moines, Iowa. Filed Mar. 10, 1941.

ALL AROUND

THE FARM

FOR SECTION IN A MAGAZINE.
Claims use since April, 1925.

Ser. No. 441,404. THE MEREDITH PUBLISHING COMPANY, Des Moines, Iowa. Filed Mar. 10, 1941.

All Around the House

FOR SECTION IN A MAGAZINE.
Claims use since May, 1938.

Ser. No. 441,462. MARTIN ANDERSEN, Orlando, Fla. Filed Mar. 12, 1941.

The Lowdown

By COL. CLOUDBURST

FOR NEWSPAPER AND MAGAZINE COLUMNS.
Claims use since Jan. 25, 1940.

CLASS 39

CLOTHING

Ser. No. 431,134. MERVIN C. GEILFUS, Los Angeles, Calif. Filed Apr. 22, 1940.

Slikerette

FOR RAINCOATS.
Claims use since Nov. 8, 1939.

Ser. No. 434,028. MCMULLEN-LEAVENS CO., Glens Falls and New York, N. Y. Filed July 16, 1940.

PIVOT SLEEVE

The word "Sleeve" is disclaimed apart from the mark.
FOR WOMEN'S DRESSES, BLOUSES, AND SHIRTS.
Claims use since May 2, 1940.

Ser. No. 438,826. STORK CLUB HOLLYWOOD, Los Angeles, Calif. Filed Dec. 13, 1940.

Stork Club HOLLYWOOD

The word "Hollywood" is disclaimed apart from the mark.
FOR MATERNITY GARMENTS OF THE FOLLOWING DESCRIPTION—TO WIT, SLACKS, SKIRTS, BLOUSES, SHIRTS, JACKETS, DRESSES, PLAY-SUITS, SUN-SUITS, AND PINAFORES.
Claims use since Oct. 2, 1940.

Ser. No. 440,177. RUDLEY SPORTSWEAR INCORPORATED, New York, N. Y. Filed Jan. 31, 1941.

Just So

FOR LADIES' AND MISSES' SPORTSWEAR—NAMELY, JACKETS, COATS, BLOUSES, CULOTTES, SKIRTS, AND SLACKS.
Claims use since November, 1940.

Ser. No. 440,819. KABO CORSET COMPANY, Chicago, Ill. Filed Feb. 20, 1941.

COUP-LETTE

FOR CORSETS, GIRDLES, FOUNDATIONS, BRASSIÈRES, CORSELETS, BANDEAUX, COMBINATIONS COMPOSED OF GIRDLES AND PANTIES, AND GIRDLES AND BRASSIÈRES.
Claims use since Sept. 11, 1940.

Ser. No. 441,155. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Mar. 3, 1941.

Vigor-Built

The word "Built" is disclaimed apart from the mark.
FOR MEN'S RUBBER BOOTS, RUBBERS, AND GALOSHES.
Claims use since Nov. 4, 1940.

Ser. No. 441,268. VAN RAALTE COMPANY INC., New York, N. Y. Filed Mar. 5, 1941.

NYLONESE

FOR WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR MADE OF NYLON FABRIC OR NYLON FABRIC IN COMBINATION WITH RAYON OR OTHER FIBER.
Claims use since Feb. 27, 1941.

Ser. No. 441,445. RALEIGH HABERDASHER, Washington, D. C. Filed Mar. 11, 1941.

Aristo-Cool

The word "Cool" is disclaimed except as shown.
FOR MEN'S SUMMER SUITS.
Claims use since Feb. 17, 1941.

Ser. No. 441,467. THE B. V. D. CORPORATION, Baltimore, Md. Filed Mar. 12, 1941.

Slim Trim

The word "Trim" per se is disclaimed.
FOR SWIM TRUNKS WITH ABDOMINAL ATHLETIC SUPPORTS.
Claims use since Dec. 9, 1940.

Ser. No. 441,571. GLAMOUR BLOUSE & SPORTSWEAR, INC., New York, N. Y. Filed Mar. 15, 1941.

Moon-Glo

FOR SHIRTS, BLOUSES, AND WAISTS FOR THE USE OF WOMEN, MISSES, AND GIRLS.
Claims use since Feb. 3, 1941.

Ser. No. 441,750. STRUTWEAR KNITTING COMPANY, Minneapolis, Minn. Filed Mar. 20, 1941.

Velanode

FOR HOSIERY.
Claims use since Mar. 13, 1941.

Ser. No. 441,751. STRUTWEAR KNITTING COMPANY, Minneapolis, Minn. Filed Mar. 20, 1941.

Veloplastic

FOR HOSIERY.
Claims use since Mar. 13, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 434,927. C. E. BRIDDELL COMPANY, Baltimore, Md. Filed Aug. 13, 1940.

EMORY FABRICS

The word "Fabrics" is disclaimed apart from the mark.
FOR CLOTH OF COTTON, WOOL, SILK, RAYONS AND LINEN IN THE PIECE AND DRAPERY FABRICS.
Claims use since Aug. 1, 1939.

Ser. No. 440,530. ALBERTO G. ANTOLINI, doing business as Hillandale Fabrics, New York, N. Y. Filed Feb. 10, 1941.

HILLANDALE FABRICS

The word "Fabrics" is disclaimed apart from the mark.
FOR LINENS AND CHENILLE PIECE GOODS OF COTTON AND RAYON.
Claims use since June 15, 1940.

Ser. No. 441,442. MILTON NEWMAN, doing business as Quaker Maid Mills, Philadelphia, Pa. Filed Mar. 11, 1941.

LOOPLOCK

The word "Looplock" is disclaimed apart from the mark.
FOR TOILET LID COVERS, BATH MATS, AND RUGS.
Claims use since November, 1939.

Ser. No. 441,489. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y. Filed Mar. 12, 1941.

SUNBAK

FOR LININGS FOR CLOTHING MADE OF SILK, ARTIFICIAL SILK, SILK AND ARTIFICIAL SILK, SILK AND WOOL, SILK AND COTTON PIECE GOODS, OR COMBINATIONS THEREOF.
Claims use since Feb. 14, 1941.

Ser. No. 442,174. JOHNSON & FAULKNER, INC., New York, N. Y. Filed Apr. 1, 1941.

Dofa

FOR FABRICS IN THE PIECE, MADE OF COTTON, RAYON, SILK, LINEN, WOOL, MOHAIR, OR ANY COMBINATIONS THEREOF.
Claims use since Jan. 25, 1941.

CLASS 43

THREAD AND YARN

Ser. No. 441,931. BERNHARD ULMANN CO. INC., New York, N. Y. Filed Mar. 25, 1941.

SOFTEX

FOR ART NEEDLEWORK YARNS.
Claims use since Mar. 14, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 435,235. BEAUTY APPLIANCE CORPORATION, Racine, Wis. Filed Aug. 22, 1940.

VIBROSAGE

FOR ELECTRIC VIBRATORS FOR THERAPEUTIC PURPOSES.
Claims use since June 6, 1940.

Ser. No. 441,292. A. STEIN & COMPANY, Chicago, Ill. Filed Mar. 6, 1941.

Per-fit

No claim is made to the word "Fit" apart from the mark.
FOR SANITARY BELTS AND TAMPONS.
Claims use since Jan. 8, 1941, on sanitary belts; claims use since Feb. 18, 1941, on tampons.

Ser. No. 442,076. SALVUS PRODUCTS INC., Chicago, Ill. Filed Mar. 29, 1941.

Salvus

FOR SUTURES.
Claims use since February, 1939.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 441,490. SPRIG CO., Minneapolis, Minn. Filed Mar. 12, 1941.

Sprig

FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since Sept. 1, 1940.

Ser. No. 441,670. CLEM BOTTLING WORKS, Malvern, Ark. Filed Mar. 18, 1941.

R-Pep

No claim is made to the word "Pep" except in connection with the mark.
FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING SAME.
Claims use since Apr. 4, 1937.

Ser. No. 441,697. S. J. CORMANY, JR., doing business as Dr. Pepper Bottling Co., Mount Vernon, Ill. Filed Mar. 19, 1941.

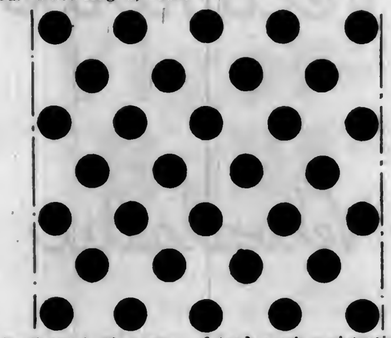
MILLION DOLLAR

FOR NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS, EXTRACTS, AND FLAVORS USED IN MAKING SAME.
Claims use since June 15, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 422,235. AMERICAN STORES CO., Philadelphia, Pa. Filed Aug. 3, 1939.



Applicant is the owner of trade-mark registration No. 42,301 and trade-mark registration No. 230,906.
FOR BREAD.
Claims use since May 17, 1917.

Ser. No. 427,322. MEAT IMPORT CO., INC., New York, N. Y. Filed Jan. 9, 1940.

M.I.C.

THE HALLMARK

FOR CANNED MEAT—NAMELY, COOKED HAMS AND SHOULDER PICNICS.
Claims use since Dec. 1, 1939.

Ser. No. 429,900. H. FRANKENTHAL, doing business as Frankenthal Company, Weslaco, Tex., and Sanger, Calif. Filed Mar. 23, 1940.

FRANKENTHAL COMPANY
DYNAMO

FOR FRESH VEGETABLES AND FRESH GRAPES.
Claims use since December, 1937.

Ser. No. 432,081. D. H. GRANDIN MILLING CO., Jamestown, N. Y. Filed May 18, 1940.

START-TO-FINISH

FOR POULTRY FEEDS—NAMELY STARTING, GROWING, AND LAYING FEED MASH.
Claims use since December, 1935.

Ser. No. 432,644. EDUARDO STICHANER LACASTA, Olhão, Portugal. Filed June 4, 1940.

LACASTA BRAND
La Casta
BRAND

All wording except "La Casta," "Lacasta," and "Stichaner" is disclaimed apart from the mark.
FOR FISH CONSERVES.
Claims use since Mar. 5, 1929.

Ser. No. 433,526. FRANK P. EMERSON, doing business as Emerson Bros. Mfg. Co., Los Angeles, Calif. Filed June 29, 1940.

SUN-PUFT
Pop Corn

The words "Pop Corn" and "Puft" are disclaimed apart from the mark.
FOR POPPED POPCORN OF SALTED NATURAL FLAVOR, AND ALSO POPPED POPCORN FLAVORED WITH CHEESE, AND POPPED POPCORN FLAVORED WITH CARAMEL.
Claims use since Mar. 26, 1940.

Ser. No. 434,311. THE BORDEN COMPANY, New York, N. Y. Filed July 25, 1940.

ICE KING

Applicant disclaims the word "Ice" except as used in the mark.
FOR WATER ICE.
Claims use since Mar. 29, 1940.

Ser. No. 435,591. PURITY CHEESE CO., Mayville, Wis. Filed Aug. 31, 1940.



The Purity Cheese Co. is the owner of registered trade-mark No. 171,076. Applicant makes no claim apart from the mark as shown in the drawing to the descriptive notation 40+, or any wording therein except the words "May-bud" and "Purity Cheese Co."
FOR CHEESE.
Claims use since July 12, 1940.

Ser. No. 436,247. V. CERAVOLO PROVISIONS, INC., Philadelphia, Pa. Filed Sept. 23, 1940.

PARMA STYLE
CAPOCOLLO
V. CERAVOLO PROVISIONS, INC.
FRONT & DICKINSON STS
PHILA., PA.

The words "Parma Style," "Capocollo," and "Front & Dickinson Sts., Phila., Pa." are disclaimed except as shown. The representation of the tag per se is disclaimed. The drawing is lined for red and green.
FOR PREPARED MEATS WHICH ARE SMOKED AND SPICED PORK BUTTS.
Claims use since Jan. 2, 1932.

Ser. No. 437,914. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Nov. 15, 1940. Under act of Feb. 20, 1905, as amended June 10, 1938.

LAYENA

FOR FRESH EGGS.
Claims use since Aug. 25, 1938.

Ser. No. 438,288. TEX-O-KAN FLOUR MILLS COMPANY, doing business as Burrus Feed Mills, Dallas, Tex. Filed Nov. 27, 1940.

TEXO

"IT'S IN THE BAG"

FOR POULTRY, DAIRY, LIVESTOCK, AND HOG FEEDS, CORNMEAL, AND WHEAT FLOUR.
Claims use since Jan. 1, 1934.

Ser. No. 439,204. MICHIGAN POTATO GROWERS' EXCHANGE, INC., Cadillac, Mich. Filed Dec. 26, 1940.

NORTHLAND

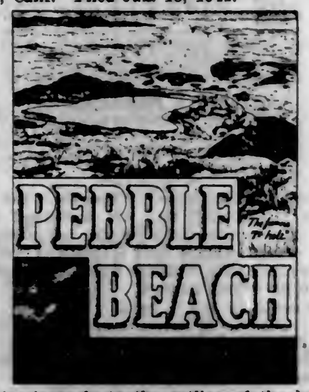
FOR POTATOES.
Claims use since Sept. 15, 1934.

Ser. No. 439,509. A. W. YATES, INC., Hartford, Conn. Filed Jan. 8, 1941.

Honergy

FOR HONEY MIXTURES, PARTICULARLY SPREADS MADE OF HONEY AND FRUITS.
Claims use since Dec. 31, 1940.

Ser. No. 439,632. SALINAS VALLEY VEGETABLE EXCHANGE, Salinas, Calif. Filed Jan. 13, 1941.



No claim is made to the outline of the label or to the name "Salinas Valley Vegetable Exchange" as a trade-mark apart from the mark.
FOR FRESH VEGETABLES—NAMELY, FRESH LETTUCE.
Claims use since Oct. 5, 1940.

Ser. No. 439,805. ARTHUR T. COAKLEY, Catonsville, Md. Filed Jan. 21, 1941.

UNIT CREAM

No claim is made to the word "Cream" apart from the mark.
FOR BAKING ACID—NAMELY ACID USED IN THE BAKING OF FOOD PRODUCTS.
Claims use since June 9, 1937.

Ser. No. 439,806. ARTHUR T. COAKLEY, Catonsville, Md. Filed Jan. 21, 1941.

Unit Products

No claim is made to the word "Products" apart from the mark.
FOR FLOUR FOR DOUGHNUT FORMULAE.
Claims use since June 9, 1937.

Ser. No. 440,074. TUXEDO FRUIT COMPANY, Fort Pierce, Fla. Filed Jan. 28, 1941.

TUXEDO GROVES

FOR FRESH CITRUS FRUITS.
Claims use since Dec. 14, 1937.

Ser. No. 440,075. TUXEDO FRUIT COMPANY, Fort Pierce, Fla. Filed Jan. 28, 1941.

TUXEDO RIVER

FOR FRESH CITRUS FRUITS.
Claims use since Dec. 14, 1937.

Ser. No. 440,261. PACIFIC COAST GROCERY CO., INC., doing business as Brannon Distributing Company, San Francisco, Calif. Filed Feb. 3, 1941.

Open House

FOR CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, CANNED SHELLFISH, CANNED EVAPORATED MILK, CANNED PORK AND BEANS, CANNED APPLESAUCE, CANNED VEGETABLE JUICES FOR FOOD PURPOSES, CANNED FRUIT JUICES FOR FOOD PURPOSES, CANNED FRUIT COCKTAIL, CANNED FRUITS FOR SALAD, CANNED STUFFED GREEN PEPPERS, HOT SAUCE MADE FROM STRAINED TOMATOES, SUGAR, SALT, VINEGAR AND SPICES, FOOD SAUCE MADE FROM VEGETABLE OIL, MUSTARD, SPICES, WINE VINEGAR AND SALT, PEANUT BUTTER, TABLE SYRUP, TOMATO CATSUP, APPLE CIDER VINEGAR, AND FOOD FLAVORING EXTRACTS.
Claims use since Jan. 5, 1940.

Ser. No. 440,723. KELCO COMPANY, San Diego, Calif. Filed Feb. 17, 1941.

MANEX

FOR ALGIN COMPOSITION FOR USE IN BAKERY GOODS, SUCH AS BREAD OR THE LIKE, TO IMPART BETTER KEEPING AND CHEWING PROPERTIES THERETO.
Claims use since Jan. 24, 1941.

Ser. No. 440,750. LESTER H. LIPTON, doing business as The Lester H. Lipton Co., Cleveland, Ohio. Filed Feb. 18, 1941.

SUPER MARKET

FOR CANNED FRUITS, CANNED VEGETABLES, CANNED EVAPORATED MILK, FRUIT PRESERVES, COFFEE.
Claims use since Feb. 1, 1941.

Ser. No. 440,880. SAUKVILLE CANNING CO., Milwaukee, and Saukville, Wis. Filed Feb. 21, 1941.

BILL of FARE

FOR CANNED VEGETABLES AND CANNED VEGETABLE JUICES.
Claims use since 1914.

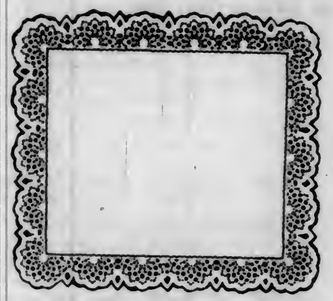
Ser. No. 441,161. FARMELLA FOOD PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 3, 1941.

SWISSETTE

THE ORIGINAL BABY-SWISS
CHEESE

The words "The Original Baby-Swiss Cheese" are disclaimed apart from the mark.
FOR CHEESE.
Claims use since Feb. 24, 1941.

Ser. No. 441,256. G. B. RAFFETTO, INC., New York, N. Y. Filed Mar. 5, 1941.



Applicant is the owner of trade-mark certificate No. 384,754, granted Feb. 4, 1941.
FOR BOTTLED JAMS, JELLIES, FRUIT AND BERRY PRESERVES, ORANGE MARMALADE, AND DICED PINEAPPLE FOR GARNISHING.
Claims use since September, 1939.

Ser. No. 441,348. CHARLESTON MILLING COMPANY, Charleston, W. Va. Filed Mar. 8, 1941.



Applicant is the owner of the following trade-mark registrations: No. 349,506 of Aug. 31, 1937; No. 349,513 of Aug. 31, 1937; No. 361,586 of Oct. 25, 1938; No. 366,519 of Apr. 18, 1939; and No. 377,744 of May 14, 1940.
FOR WHEAT FLOUR.
Claims use since December, 1940.

Ser. No. 441,668. THE BORDEN COMPANY, New York, N. Y. Filed Mar. 18, 1941.



Applicant is the owner of U. S. trade-mark registration No. 381,707, issued Oct. 1, 1940.
FOR ICE CREAM.
Claims use since Mar. 13, 1941.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 439,050. MAR-SALLE CHICAGO COMPANY, Chicago, Ill. Filed Dec. 20, 1940.

MAR-SALLE

FOR CORDIALS, LIQUERS, BRANDIES, AND GINS.
Claims use since Jan. 2, 1934.

Ser. No. 440,884. SCHROEDER BROS., INC., New York, N. Y. Filed Feb. 21, 1941.

BODEGAS DEL MUNDO NUEVO

FOR SPANISH BRANDY.
Claims use since Dec. 18, 1940.

Ser. No. 441,940. BOHEMIAN DISTRIBUTING COMPANY, Los Angeles, Calif. Filed Mar. 26, 1941.

MICHEL

FOR BRANDY.
Claims use since Feb. 28, 1941.

Ser. No. 441,998. JAMES WALSH & Co. INC., Lawrenceburg, Ind. Filed Mar. 28, 1941.



FOR WHISKIES, GIN, BRANDY, RUM, AND ALCOHOLIC CORDIALS.
Claims use since September, 1938.

Ser. No. 442,017. WATHEN BROS., DISTILLERS, Louisville, Ky. Filed Mar. 27, 1941.



The drawing is lined for red.
FOR WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS.
Claims use since November, 1939.

Ser. No. 442,048. THE OLD QUAKER COMPANY, Lawrenceburg, Ind. Filed Mar. 28, 1941.

HOT MIKADO

FOR WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS.
Claims use since Jan. 25, 1940.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 434,646. R. M. HOLLINGSHEAD CORP., Camden, N. J., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York. Filed Aug. 3, 1940.

Shulife

FOR SHOE POLISHING KIT, COMPRISING CAN OF POLISH, BRUSH, AND DAUBER.
Claims use since Jan. 5, 1939.

Ser. No. 434,926. C. E. BRIDDELL COMPANY, Baltimore, Md. Filed Aug. 13, 1940.



The words "Emory Fabrics" are disclaimed apart from the mark.
FOR TREATED FABRICS.
Claims use since Aug. 1, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 20, 1941

387,467. VEGETABLE SHORTENING. LEVER BROTHERS COMPANY, Cambridge, Mass.
Filed December 31, 1937. Serial No. 401,441. PUBLISHED MARCH 11, 1941. Class 46.

387,468. CANNED FRUIT JUICES FOR FOOD PURPOSES. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif.
Filed September 20, 1938. Serial No. 410,787. PUBLISHED MARCH 11, 1941. Class 46.

387,469. HEMOSTATIC PREPARATIONS. ARTHUR STEINBERG, Philadelphia, Pa.
Filed November 23, 1938. Serial No. 413,084. PUBLISHED JANUARY 9, 1940. Class 6.

387,470. HOT WATER HEATERS, WATER STORAGE HEATERS AND THEIR STRUCTURAL PARTS. THE CLEVELAND HEATER COMPANY, Cleveland, Ohio.
Filed December 13, 1938. Serial No. 413,774. PUBLISHED MARCH 11, 1941. Class 34.

387,471. GIN AND WHISKEY. GRISTEDE BROS. INC., New York, N. Y.
Filed March 24, 1939. Serial No. 417,456. PUBLISHED MARCH 11, 1941. Class 49.

387,472. PEANUT BUTTER. JEWETT & SHERMAN COMPANY, also doing business as Holsum Products, Milwaukee, Wis.
Filed October 2, 1939. Serial No. 424,132. PUBLISHED JULY 9, 1940. Class 46.

387,473. FISH HOOKS. O. MUSTAD & SÖN, Oslo, Norway.
Filed December 4, 1939. Serial No. 426,212. PUBLISHED MARCH 11, 1941. Class 22.

387,474. CANDIES, CHOCOLATES, JAMS AND JELLIES. DAVID GOLDSTEIN, doing business as Hungarian Bakers, New York, N. Y.
Filed December 15, 1939. Serial No. 426,614. PUBLISHED MARCH 11, 1941. Class 46.

387,475. FABRICS OF THE TYPE KNOWN AS POPLINS. STONE MILL FABRICS CORPORATION, New York, N. Y.
Filed January 22, 1940. Serial No. 427,728. PUBLISHED MARCH 11, 1941. Class 42.

387,476. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK, ROOT BEER AND SIRUP AND EXTRACT FOR MAKING THE SAME. DRINK-MOR BEVERAGE COMPANY, Wilkes-Barre, Pa.
Filed January 27, 1940. Serial No. 427,929. PUBLISHED APRIL 2, 1940. Class 45.

387,477. MEN'S AND WOMEN'S STRAW, FELT, AND WOOL HATS. THE FRANK H. LEE COMPANY, Danbury, Conn.
Filed April 22, 1940. Serial No. 431,063. PUBLISHED MARCH 11, 1941. Class 39.

387,178. HAIR CLASPS, HAIR BARRETTES, COMBS, BUTTONS AND BUCKLES, ALL MADE OF PLASTICS. INJECTION MOULDING CORPORATION, New York, N. Y.
Filed April 26, 1940. Serial No. 431,247. PUBLISHED MARCH 11, 1941. Class 40.

387,479. HAIR RINSE PREPARATION IN TABLET FORM. CHARLES G. NESSLER CO., INC., New York, N. Y.
Filed May 16, 1940. Serial No. 432,003. PUBLISHED JULY 30, 1940. Class 6.

387,480. LADIES' DRESSES. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y.
Filed May 28, 1940. Serial No. 432,433. PUBLISHED MARCH 11, 1941. Class 39.

387,481. FISH CONSERVES. EDUARDO STITCHANER LACASTA, Olhao, Portugal.
Filed June 4, 1940. Serial No. 432,645. PUBLISHED MARCH 11, 1941. Class 46.

387,482. OIL AND GREASE SEALS FOR AXLES OF VEHICLES AND OTHER ROTATING SHAFTS. OTTO ITEMS, INC., St. Louis, Mo.
Filed July 15, 1940. Serial No. 433,983. PUBLISHED OCTOBER 8, 1940. Class 35.

387,483. LIVING ROOM, BEDROOM, AND DINING FURNITURE, AND MATTRESSES. JAMES E. BLATCHFORD, doing business as Blatchford Furniture Company, Altoona, Pa.
Filed June 17, 1940. Serial No. 433,088. PUBLISHED SEPTEMBER 3, 1940. Class 32.

387,484. WASHING FLUID. ROSARIO PATTI, doing business as Patti Products, Geneva, N. Y.
Filed July 19, 1940. Serial No. 434,159. PUBLISHED MARCH 11, 1941. Class 4.

387,485. PREPARED FOODS—NAMELY, CHICKEN EGG NOODLE SOUP, CHICKEN SOUP, CHICKEN BROTH, AND TURKEY BROTH. A. BASSETTI, doing business as Party Pride Packing Co. and also Party Pride Canning Co., Mountain View, Calif.
Filed August 5, 1940. Serial No. 434,695. PUBLISHED MARCH 11, 1941. Class 46.

387,486. RAYON, COTTON, WOOL, ZEPHYR, CHENILLE, AND NOVELTY YARN. SCHUMER-FRIEDMAN CORPORATION, New York, N. Y.
Filed August 6, 1940. Serial No. 434,728. PUBLISHED MARCH 4, 1941. Class 43.

387,487. PRINTING INKS AND DRYERS FOR PRINTING INKS. BARTA-GRIFFIN COMPANY, Worcester, Mass.
Filed August 8, 1940. Serial No. 434,773. PUBLISHED MARCH 11, 1941. Class 11.

387,488. OILS FOR FOOD FLAVORING PURPOSES—NAMELY, CINNAMON OIL, LEMON OIL AND WINTERGREEN OIL; FOOD FLAVORING EXTRACTS—NAMELY, ALMOND, BANANA, WALNUT, LEMON, MAPLE, ORANGE, PEPPERMINT, PINEAPPLE, STRAWBERRY AND VANILLA, AND SACCHARINE FOR FOOD FLAVORING PURPOSES. THE STYRON-BEGGS COMPANY, Newark, Ohio.
Filed August 9, 1940. Serial No. 434,852. PUBLISHED MARCH 11, 1941. Class 46.

387,489. CANNED EVAPORATED MILK. THE GROVE MILK COMPANY, Columbus Grove, Ohio.
Filed August 10, 1940. Serial No. 434,893. PUBLISHED MARCH 11, 1941. Class 46.

387,490. LOTIONS, CREAMS, AND HAIR TREATING SOLUTIONS ALL FOR USE IN PERMANENT AND FINGER WAVING PROCESSES. CLAIROL, INC., New York, N. Y., assignor to Clairol, Incorporated, Stamford, Conn., a corporation of Connecticut.
Filed August 14, 1940. Serial No. 434,969. PUBLISHED MARCH 11, 1941. Class 6.

387,491. LOTIONS, CREAMS, ALL FOR USE IN PERMANENT OR FINGER WAVING PROCESSES. CLAIROL, INC., New York, N. Y., assignor to Clairol, Incorporated, Stamford, Conn., a corporation of Connecticut.
Filed August 14, 1940. Serial No. 434,970. PUBLISHED MARCH 11, 1941. Class 6.

387,492. BACON AND HAM. WITHINGTON COMPANY, Providence, R. I.
Filed August 17, 1940. Serial No. 435,106. PUBLISHED FEBRUARY 25, 1941. Class 46.

387,493. FOUNTAIN PENS. LOUIS MORRISON, New York, N. Y.
Filed September 4, 1940. Serial No. 435,664. PUBLISHED JANUARY 28, 1941. Class 37.

387,494. BOYS' SHOES MADE OF LEATHER. MOSINGER BROTHERS, St. Louis, Mo.
Filed September 6, 1940. Serial No. 435,725. PUBLISHED MARCH 11, 1941. Class 39.

387,495. AIRPLANES. ENGINEERING AND RESEARCH CORPORATION, Riverdale, Md.
Filed September 10, 1940. Serial No. 435,839. PUBLISHED MARCH 11, 1941. Class 19.

387,496. GELATIN DESSERTS. ERLE J. COMYNS, doing business as True Fruit Concentrate Co., Los Angeles, Calif.
Filed September 11, 1940. Serial No. 435,866. PUBLISHED MARCH 11, 1941. Class 46.

387,497. CLEANER FOR FABRICS. ALBERT E. VICTORE, Chicago, Ill., assignor to Nylon-Nene Manufacturing Co., Not Inc., Chicago, Ill., a partnership composed of John Richards, and Albert E. Victore.
Filed September 14, 1940. Serial No. 435,990. PUBLISHED MARCH 11, 1941. Class 4.

387,498. LADIES' AND MISSES' DRESSES AND DRESS ENSEMBLES CONSISTING OF DRESS AND JACKET. ANNETTA DRESSES INC., New York, N. Y.
Filed September 30, 1940. Serial No. 436,492. PUBLISHED MARCH 11, 1941. Class 39.

387,499. CHOCOLATE FLAVORED POWDER TO BE USED WITH SWEET MILK AND THE LIKE FOR MAKING BEVERAGES. THE CURTISS CANDY COMPANY, Chicago, Ill.
Filed September 30, 1940. Serial No. 436,504. PUBLISHED MARCH 11, 1941. Class 46.

387,500. PAPER NAPKINS. SILKLIN PAPER CORPORATION, San Francisco, Calif.
Filed October 7, 1940. Serial No. 436,704. PUBLISHED MARCH 11, 1941. Class 37.

387,501. FRESH CITRUS FRUITS. DONNA CITRUS ASSOCIATION, Donna, Tex.
Filed October 9, 1940. Serial No. 436,759. PUBLISHED MARCH 11, 1941. Class 46.

387,502. BELT DRESSING, DRY CLEANER PREPARATION, HAND SOAP CLEANER, ABRASIVE METAL POLISH, CLEANER FOR ARTIFICIAL TEETH OR DENTAL PLATES. ALBERT IRVING WIGLER, doing business as Addison-Proctor Company, Newark, N. J.
Filed October 9, 1940. Serial No. 436,785. PUBLISHED MARCH 11, 1941. Class 4.

387,503. SALADS CONTAINING COOKED POTATOES, PEAS, CARROTS, BEETS, STRING BEANS, LIMA BEANS, FRESH LETTUCE, GREEN ONIONS WITH THOUSAND ISLAND DRESSING ADDED. HAKANS FOOD CO., San Francisco, Calif.
Filed October 11, 1940. Serial No. 436,845. PUBLISHED MARCH 11, 1941. Class 46.

387,504. LADIES' DRESSES. MAX ISAAC, New York, N. Y.
Filed October 19, 1940. Serial No. 437,090. PUBLISHED MARCH 11, 1941. Class 39.

387,505. CARBON PAPERS AND TYPEWRITER RIBBONS. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y.
Filed October 29, 1940. Serial No. 437,374. PUBLISHED MARCH 4, 1941. Class 11.

387,506. CARBON PAPERS AND TYPEWRITER RIBBONS. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y.
Filed October 29, 1940. Serial No. 437,375. PUBLISHED MARCH 4, 1941. Class 11.

387,507. CARBON PAPERS AND TYPEWRITER RIBBONS. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y.
Filed October 29, 1940. Serial No. 437,378. PUBLISHED MARCH 4, 1941. Class 11.

387,508. CARBON PAPERS AND TYPEWRITER RIBBONS. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y.
Filed October 29, 1940. Serial No. 437,379. PUBLISHED MARCH 4, 1941. Class 11.

387,509. CARBON PAPERS AND TYPEWRITER RIBBONS. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y.
Filed October 29, 1940. Serial No. 437,382. PUBLISHED MARCH 4, 1941. Class 11.

387,510. CARBON PAPERS AND TYPEWRITER RIBBONS. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y.
Filed October 29, 1940. Serial No. 437,383. PUBLISHED MARCH 4, 1941. Class 11.

387,511. PAINT ENAMELS. FERRO ENAMEL CORPORATION, Cleveland, Ohio.
Filed November 13, 1940. Serial No. 437,813. PUBLISHED FEBRUARY 18, 1941. Class 16.

387,512. MEN'S, WOMEN'S, AND CHILDREN'S OUTING AND SWIMMING GARMENTS—NAMELY, SWEATERS, BATHING SUITS, ETC. PACIFIC KNITTING MILLS, INCORPORATED, Los Angeles, Calif.
Filed November 19, 1940. Serial No. 438,051. PUBLISHED MARCH 11, 1941. Class 39.

387,513. FROZEN CONFECTIONS. JOE LOWE CORPORATION, New York, N. Y.
Filed November 20, 1940. Serial No. 438,076. PUBLISHED MARCH 11, 1941. Class 46.

387,514. POTATOES IN THEIR NATURAL STATE. IDAHO FALLS WAREHOUSE COMPANY, doing business as Idaho Falls Bonded Warehouse Co., Idaho Falls, Idaho.
Filed November 22, 1940. Serial No. 438,136. PUBLISHED MARCH 11, 1941. Class 46.

387,515. APPLES. GEORGE LESLIE SMITH, Rock Island, Ill.
Filed November 25, 1940. Serial No. 438,219. PUBLISHED MARCH 11, 1941. Class 46.

387,516. ABRASIVE INSETS OR SEGMENTS FOR REFINERS OR OTHER GRINDING APPARATUS FOR PAPER FIBERS OR PULP. PAPER AND INDUSTRIAL APPLIANCES, INC., New York, N. Y.
Filed November 29, 1940. Serial No. 438,350. PUBLISHED MARCH 11, 1941. Class 4.

387,517. TREATED TARPAULINS, TRUCK COVERS, WAGON COVERS, TENTS, BAGS, CANVAS AND DUCK. H. WENZEL TENT & DUCK COMPANY, St. Louis, Mo.
Filed November 29, 1940. Serial No. 438,365. PUBLISHED MARCH 11, 1941. Class 50.

387,518. [WITHDRAWN.]

387,519. MICE. ROSCOE B. JACKSON MEMORIAL LABORATORY, Bar Harbor, Maine.
Filed December 7, 1940. Serial No. 438,618. PUBLISHED MARCH 11, 1941. Class 1.

387,520. CANNED VEGETABLES AND CANNED TOMATO PASTE. RIVERBANK CANNING COMPANY, Riverbank, Calif.
Filed December 7, 1940. Serial No. 438,629. PUBLISHED MARCH 11, 1941. Class 46.

387,521. GOLF CLUBS. SPALDING SALES CORPORATION, Chicopee, Mass.
Filed December 7, 1940. Serial No. 438,634. PUBLISHED MARCH 11, 1941. Class 22.

387,522. EYELETS. UNITED SHOE MACHINERY CORPORATION, Boston, Mass.
Filed December 12, 1940. Serial No. 438,782. PUBLISHED MARCH 11, 1941. Class 13.

387,523. CANNED FRUITS AND VEGETABLES INCLUDING BARTLETT PEARS, WHOLE GREEN BEANS, PEAS AND CARROTS, WHOLE IRISH POTATOES, AND FOR PORK AND BEANS, AND COFFEE. SHIELD FOODS, INC., Buffalo, N. Y.
Filed December 13, 1940. Serial No. 438,814. PUBLISHED MARCH 11, 1941. Class 46.

387,524. LEAD PENCILS. EAGLE PENCIL COMPANY, New York, N. Y.
Filed December 14, 1940. Serial No. 438,835. PUBLISHED MARCH 11, 1941. Class 37.

387,525. LADIES', MISSES' AND CHILDREN'S PANTIES, UNDERDRAWERS, BANDEAUS, VESTS, SLIPS, NIGHTGOWNS, CHEMISES, BLOOMERS, AND PAJAMAS. KRUMHOLZ & LICHTBLAU, doing business as KelRay Knitting Mills, New York, N. Y.
Filed December 14, 1940. Serial No. 438,846. PUBLISHED MARCH 11, 1941. Class 39.

387,526. DISTILLED ALCOHOLIC LIQUORS, PARTICULARLY CORDIALS. L. E. JUNG & WULFF CO., INC., New Orleans, La.
Filed December 16, 1940. Serial No. 438,886. PUBLISHED MARCH 11, 1941. Class 49.

387,527. YARNS. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,967. PUBLISHED MARCH 4, 1941. Class 43.

387,528. PRINTING AND LITHOGRAPHIC INKS. HARRIS-SEYBOLD-POTTER COMPANY, Cleveland, Ohio.
Filed December 18, 1940. Serial No. 438,983. PUBLISHED MARCH 11, 1941. Class 11.

387,529. CANNED VEGETABLE OIL FOR COOKING USE. GEM PACKING CORPORATION, Brooklyn, N. Y.
Filed December 19, 1940. Serial No. 439,016. PUBLISHED MARCH 11, 1941. Class 46.

387,530. RUBBER LATEX IN NATURAL, DILUTE, OR CONCENTRATED FORM. GENERAL LATEX AND CHEMICAL CORPORATION, Cambridge, Mass.
Filed December 19, 1940. Serial No. 439,020. PUBLISHED MARCH 11, 1941. Class 1.

387,531. WINES. PETRI CIGAR COMPANY, INC., also doing business as Petri Wine Company, San Francisco, Calif.
Filed December 20, 1940. Serial No. 439,055. PUBLISHED MARCH 11, 1941. Class 47.

387,532. CHEMICAL PREPARATION USED IN THE FINISHING OF TEXTILE FABRICS. ARKANSAS COMPANY, INC., Newark, N. J.
Filed December 21, 1940. Serial No. 439,065. PUBLISHED MARCH 11, 1941. Class 6.

387,533. MEN'S SUITS, OVERCOATS, TOPCOATS, AND SPORTCOATS. BLANKSON CLOTHES, INC., New York, N. Y.
Filed December 23, 1940. Serial No. 439,090. PUBLISHED MARCH 11, 1941. Class 39.

387,534. PIECE GOODS CONTAINING CELLULOSE ACETATE RAYON. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed December 23, 1940. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 439,096. PUBLISHED MARCH 4, 1941. Class 42.

387,535. PHOTOGRAPHIC CHEMICALS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.
Filed December 23, 1940. Serial No. 439,097. PUBLISHED MARCH 11, 1941. Class 6.

387,536. DOG FOOD. GENERAL LABORATORIES, INC., also doing business as Banner Packing Co., Des Moines, Iowa.
Filed December 23, 1940. Serial No. 439,102. PUBLISHED MARCH 11, 1941. Class 46.

387,537. MEDICINAL PREPARATION FOR USE AS AN EAR DROP. OPTIMUS PHARMACEUTICALS COMPANY, INC., Taylors, S. C.
Filed December 23, 1940. Serial No. 439,122. PUBLISHED MARCH 11, 1941. Class 6.

387,538. SHAMPOO TINT, SKIN LOTION AND POWDER BASE, CONDITIONING SHAMPOO AND DANDRUFF REMOVER, EFFERVESCING HAIR COLOR RINSE AND PERFUME. RAP-I-DOL DISTRIBUTING CORPORATION, New York, N. Y.
Filed December 24, 1940. Serial No. 439,175. PUBLISHED MARCH 11, 1941. Class 6.

387,539. WINES. ACME DISTRIBUTING CO., INC., also doing business as Acme Distributing Co., Pasadena, Calif.
Filed December 26, 1940. Serial No. 439,184. PUBLISHED MARCH 11, 1941. Class 47.

387,540. GIRDLES, CORSETS AND FOUNDATION GARMENTS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed December 26, 1940. Serial No. 439,199. PUBLISHED MARCH 11, 1941. Class 39.

387,541. INSECTICIDES. TERSCH PATENTS AND CHEMICALS INC., New York, N. Y.
Filed December 27, 1940. Serial No. 439,243. PUBLISHED MARCH 11, 1941. Class 6.

387,542. CORRUGATED PAPER SHIPPING CONTAINERS. SUPERIOR PAPER PRODUCTS COMPANY, Robinson Township, Allegheny County, Pa.
Filed December 28, 1940. Serial No. 439,257. PUBLISHED MARCH 11, 1941. Class 2.

387,543. SELF-POLISHING WAX, LACQUER FOR USE ON RUBBER TILE FLOORING AND OTHER RUBBER SURFACES, AND TERRAZZO SEAL (A "BAKELITE" VARNISH EMULSION). THE HALL-WATSON COMPANY, INC., New York, N. Y.
Filed December 30, 1940. Serial No. 439,273. PUBLISHED MARCH 11, 1941. Class 16.

387,544. SOAPS, AND A CLEANING POWDER POSSESSING INCIDENTAL CHEMICAL PROPERTIES ESPECIALLY ADAPTED FOR USE ON FLOORS, WALLS, AND THE LIKE. THE HALL-WATSON COMPANY, INC., New York, N. Y.
Filed December 30, 1940. Serial No. 439,274. PUBLISHED MARCH 11, 1941. Class 4.

387,545. GLOVES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. KNOXVILLE GLOVE COMPANY, Knoxville, Tenn.
Filed December 30, 1940. Serial No. 439,284. PUBLISHED MARCH 11, 1941. Class 39.

387,546. SPECIAL CHEMICAL PREPARATION FOR USE IN WATERPROOFING, MOTH-PROOFING, SOFTENING, PENETRATING, AND CLEANING TEXTILE AND LEATHER FIBER PRODUCTS SUCH AS JUTE, SILK, COTTON, RAYON, WOOLEN, HAIR, AND ANALOGOUS FIBERS USED IN THE MANUFACTURE OF TEXTILES, AND A VEHICLE FOR RENDERING COLORS FAST. HARRY W. FEATHERSTONE, doing business as H. W. Featherstone & Co., Worcester, Mass.
Filed December 31, 1940. Serial No. 439,305. PUBLISHED MARCH 11, 1941. Class 6.

387,547. AMMONIA AND BLUING. WM. MONTGOMERY COMPANY, Philadelphia, Pa.
Filed December 31, 1940. Serial No. 439,309. PUBLISHED MARCH 11, 1941. Class 6.

387,548. MEDICINAL PREPARATION FOR USE AS ANTIPYRETIC, ANALGESIC, AND ANTIRHEUMATIC IN THE TREATMENT OF RHEUMATISM, ETC. SCHERING CORPORATION, Bloomfield, N. J.
Filed January 2, 1941. Serial No. 439,367. PUBLISHED MARCH 11, 1941. Class 6.

387,549. EMBROIDERED KNITTED FABRICS IN THE PIECE. SAMUEL EHRMAN CO., INC., New York, N. Y.
Filed January 3, 1941. Serial No. 439,386. PUBLISHED MARCH 11, 1941. Class 42.

387,550. BLANKETS MADE OF SPUN RAYON AND SPUN RAYON AND WOOL MIXTURES TREATED TO MAKE THEM MOTH-PROOFED. J. C. PENNEY COMPANY, New York, N. Y., and Wilmington, Del.
Filed January 3, 1941. Serial No. 439,397. PUBLISHED MARCH 11, 1941. Class 42.

387,551. CARBO NBLACK FOR USE IN THE RUBBER INDUSTRY. BINNEY & SMITH COMPANY, New York, N. Y.
Filed January 4, 1941. Serial No. 439,404. PUBLISHED MARCH 11, 1941. Class 6.

387,552. CARBON BLACK FOR USE IN THE RUBBER INDUSTRY. BINNEY & SMITH COMPANY, New York, N. Y.
Filed January 4, 1941. Serial No. 439,405. PUBLISHED MARCH 11, 1941. Class 6.

387,553. SCARFS MADE OF RAYON AND OTHER SYNTHETIC FABRICS. BRIAN FABRICS CORPORATION, New York, N. Y.
Filed January 4, 1941. Serial No. 439,406. PUBLISHED MARCH 11, 1941. Class 39.

387,554. TOILET WATER, EAU DE COLOGNE, PERFUMES, SACHETS, BATH SALTS, BATH OILS, ETC. FRANZ KOENIGSBERGER, New York, N. Y.
Filed January 4, 1941. Serial No. 439,414. PUBLISHED MARCH 11, 1941. Class 6.

387,555. LIPSTICKS. HELENA RUBINSTEIN, INC., New York, N. Y.
Filed January 4, 1941. Serial No. 439,419. PUBLISHED MARCH 11, 1941. Class 6.

387,556. VITAMIN CAPSULES AND TABLETS. FREEDA AGAR PRODUCTS, New York, N. Y.
Filed January 6, 1941. Serial No. 439,438. PUBLISHED MARCH 11, 1941. Class 6.

387,557. PERMANENT WAVING PADS FOR APPLICATION TO THE HAIR. ARLETTE, INC., Bloomfield, N. J.
Filed January 7, 1941. Serial No. 439,453. PUBLISHED MARCH 11, 1941. Class 44.

387,558. TABLE SYRUP. PENICK & FORD, LTD. INCORPORATED, New York, N. Y.
Filed January 7, 1941. Serial No. 439,470. PUBLISHED MARCH 11, 1941. Class 46.

387,559. LADIES' AND MISSES' BLOUSES, DRESSES, HOUSECOATS, SUITS, JACKETS, SKIRTS, PAJAMAS, CULOTTES, COATS, AND SLACKS. MITCHELL & WEBER, INC., New York, N. Y.
Filed January 8, 1941. Serial No. 439,487. PUBLISHED MARCH 11, 1941. Class 39.

387,560. INFANTS' AND CHILDREN'S UNDERWEAR. BOSTON KNITTING MILLS, INC., Newton, Mass.
Filed January 9, 1941. Serial No. 439,511. PUBLISHED MARCH 11, 1941. Class 39.

387,561. PAPER FOOD DISHES. BERST-FORSTER-DIXFIELD COMPANY, New York, N. Y.
Filed January 11, 1941. Serial No. 439,575. PUBLISHED MARCH 11, 1941. Class 2.

387,562. RUGS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed January 13, 1941. Serial No. 439,634. PUBLISHED MARCH 11, 1941. Class 42.

387,563. BASEBALL GAME COMPRISING A DECK OF CARDS TO INDICATE PLAYER MOVES, AND A GAME BOARD ILLUSTRATING A BASEBALL DIAMOND AND HAVING A SCORE BOARD THEREON, INDICATORS FOR OUTS, RUNS AND PLAYER POSITIONS. WILLIAM P. ULRICH, Spokane, Wash.
Filed January 13, 1941. Serial No. 439,644. PUBLISHED MARCH 11, 1941. Class 22.

387,564. COTTON AND LINEN PIECE GOODS. HYMAN LUBOW, doing business as The Linette Co., New York, N. Y.
Filed January 14, 1941. Serial No. 439,659. PUBLISHED MARCH 11, 1941. Class 42.

387,565. VEHICLE-SEAT AND FURNITURE SPRINGS. ROYERSFORD SPRING COMPANY, Royersford, Pa.
Filed January 14, 1941. Serial No. 439,668. PUBLISHED MARCH 11, 1941. Class 32.

387,566. CHILDREN'S OVERALLS AND PLAYSUITS. MOORE GROCERY CO., doing business as The Sledge Manufacturing Co., Tyler, Tex.
Filed January 17, 1941. Serial No. 439,760. PUBLISHED MARCH 11, 1941. Class 39.

387,567. PLANT STIMULANT. SCHUYLKILL CHEMICAL COMPANY, Philadelphia, Pa.
Filed January 21, 1941. Serial No. 439,835. PUBLISHED MARCH 11, 1941. Class 10.

387,568. BILLFOLDS. THE SPRINGFIELD LEATHER PRODUCTS COMPANY, Springfield, Ohio.
Filed January 21, 1941. Serial No. 439,842. PUBLISHED MARCH 11, 1941. Class 3.

387,569. HOSIERY, PAJAMAS, NIGHTGOWNS, BLOOMERS, SLIPS, WOMEN'S AND MISSES' UNDERWEAR—NAMELY, PANTS AND VESTS. WEINSTEIN CO., INC., San Francisco, Calif.
Filed January 21, 1941. Serial No. 439,851. PUBLISHED MARCH 11, 1941. Class 39.

387,570. HAND PROTECTORS FOR USE BY GOLFERS AND OTHERS. CHARLES TWEEDIE, Jefferson City, Mo.
Filed January 22, 1941. Serial No. 439,881. PUBLISHED MARCH 11, 1941. Class 22.

387,571. SYSTEMIC ALKALIZING PREPARATION, ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y.
Filed January 16, 1941. Serial No. 439,916. PUBLISHED MARCH 11, 1941. Class 6.

387,572. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed January 24, 1941. Serial No. 439,925. PUBLISHED MARCH 11, 1941. Class 42.

387,573. HANDBAGS AND POCKETBOOKS. LESSER BAG INC., New York, N. Y.
Filed January 24, 1941. Serial No. 439,940. PUBLISHED MARCH 11, 1941. Class 3.

387,574. CARPETS AND RUGS. MOHAWK CARPET MILLS, INC., Amsterdam, N. Y.
Filed January 24, 1941. Serial No. 439,943. PUBLISHED MARCH 11, 1941. Class 42.

387,575. SHOWER CURTAINS. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,956. PUBLISHED MARCH 11, 1941. Class 13.

387,576. COSMETIC CREAM PROTECTING THE SKIN FROM SUNBURN. HERMAN BAACK, New York, N. Y.
Filed January 25, 1941. Serial No. 439,958. PUBLISHED MARCH 11, 1941. Class 6.

387,577. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK AND SIRUP AND EXTRACT FOR MAKING THE SAME. FOOTE & JENKS, INC., Jackson, Mich.
Filed January 25, 1941. Serial No. 439,964. PUBLISHED MARCH 11, 1941. Class 45.

387,578. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. DANES KARAVEDAS, doing business as New Gold Beverage Co., Baltimore, Md.
Filed January 25, 1941. Serial No. 439,967. PUBLISHED MARCH 11, 1941. Class 45.

387,579. COTTON PIECE GOODS. J. C. PENNEY COMPANY, New York, N. Y., and Wilmington, Del.
Filed January 25, 1941. Serial No. 439,973. PUBLISHED MARCH 11, 1941. Class 42.

387,580. DENTIFRICE. HAROLD L. MACK, doing business as Mack Dental Co., Monterey, Calif.
Filed January 27, 1941. Serial No. 440,012. PUBLISHED MARCH 11, 1941. Class 6.

387,581. POWDER FOR VAGINAL IRRIGATION. MYRTLE W. ROTHENBURG, doing business as Ethogienic Laboratories, Opelika, Ala.
Filed January 27, 1941. Serial No. 440,024. PUBLISHED MARCH 11, 1941. Class 6.

387,582. BOARD GAME PLAYED WITH MOVABLE PIECES. WERNER F. OTTE, New York, N. Y.
Filed January 28, 1941. Serial No. 440,054. PUBLISHED MARCH 11, 1941. Class 22.

387,583. LADIES' HANDBAGS. GOLDSMITH BROTHERS MANUFACTURING CO., INC., New York, N. Y.
Filed January 29, 1941. Serial No. 440,091. PUBLISHED MARCH 11, 1941. Class 3.

387,584. TABLE GAME. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed January 30, 1941. Serial No. 440,113. PUBLISHED MARCH 11, 1941. Class 22.

387,585. OINTMENT FOR THE TREATMENT OF MANGE IN ANIMALS. GOODWINOL PRODUCTS CORPORATION, New York, N. Y.
Filed January 30, 1941. Serial No. 440,122. PUBLISHED MARCH 11, 1941. Class 6.

387,586. VITAMIN TABLETS. GEORGE A. BREON & COMPANY, INCORPORATED, Kansas City, Mo.
Filed January 31, 1941. Serial No. 440,144. PUBLISHED MARCH 11, 1941. Class 6.

[ACT OF MARCH 19, 1920. SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

387,587. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) JOHN LAWRIE & SONS, Chicago, Ill. Filed July 24, 1939. Serial No. 421,884.

Veri-Best

FOR DRESS BRAIDS, TEXTILE TAPES, NARROW ELASTIC, RICK-RACK TRIMMING, HAIRPINS, HAIR CURLERS, HAIR CLIPS, SHOULDER STRAPS AND SHOULDER BRAID, SHOE LACES, HOOKS AND EYES, SNAP FASTENERS, NEEDLES FOR HAND USE, COMMON PINS, AND SHOE HORNS AND THIMBLES MADE OF MATERIAL OTHER THAN PRECIOUS METAL.
Claims use since Mar. 9, 1938.

387,588. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AFFILIATED PRODUCTS, INC., Jersey City, N. J. Filed Mar. 5, 1940. Serial No. 429,209.

VanEss

FOR LIPSTICKS, ROUGES, LIP POMADES, EYEBROW PENCILS, EYE SHADOW, MASCARA, FACE CREAMS AND LOTIONS, FACE AND BODY POWDERS, BEAUTY CLAY, FACIAL OILS, HAND CREAMS AND LOTIONS, SHAMPOOS, PREPARATIONS FOR COLORING AND GIVING LUSTRE TO THE HAIR, WAVE SETTING PREPARATIONS, NAIL POLISH AND NAIL POLISH REMOVER, PERFUMES AND TOILET WATERS, ASTRINGENTS, DEODORANTS, AND DEPILATORIES.
Claims use since Aug. 1, 1921 on shampoos; since Mar. 1, 1940 on other goods.

387,589. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STERN'S FAMOUS BARBECUE, LTD., Los Angeles, Calif. Filed Apr. 1, 1940. Serial No. 430,252.

STERN'S

FOR BARBECUE SAUCE.
Claims use since Mar. 25, 1940.

387,590. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CEREVIM PRODUCTS CORPORATION, New York, N. Y. Filed Apr. 2, 1940. Serial No. 430,270.

CANDI-TIPS

FOR TONGUE DEPRESSORS COATED WITH CANDY.
Claims use since Mar. 29, 1940.

387,591. (CLASS 38. PRINTS AND PUBLICATIONS.) FARRELL PUBLISHING CORPORATION, New York, N. Y. Filed Apr. 12, 1940. Serial No. 430,682.

DIME DIGEST

FOR A PERIODICAL.
Claims use since Mar. 18, 1940.

387,592. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) RAND RUBBER COMPANY, Brooklyn, N. Y. Filed Apr. 17, 1940. Serial No. 430,877.

"QUICK"

FOR DRESS SHIELDS.
Claims use since Apr. 15, 1940.

387,593. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WINORR CANNING COMPANY, Circleville, Ohio. Filed Apr. 23, 1940. Serial No. 431,133.

Flavorheld

FOR CANNED VEGETABLES.
Claims use since Mar. 27, 1940.

387,594. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MOELLER MFG. CO., INC., Racine, Wis. Filed Apr. 29, 1940. Serial No. 431,368.

SNAP-TITE

FOR BOTTLE STOPPERS.
Claims use since November, 1934.

387,595. (CLASS 38. PRINTS AND PUBLICATIONS.) SAN FRANCISCO SHOPPING NEWS COMPANY, San Francisco, Calif. Filed May 8, 1940. Serial No. 431,712.

Tom Tyrell

FOR NEWSPAPER SECTION.
Claims use since Jan. 15, 1940.

387,596. (CLASS 37. PAPER AND STATIONERY.) FOX RIVER PAPER CORPORATION, Appleton, Wis. Filed May 9, 1940. Serial No. 431,730.

SATIN TONE

FOR COATED PAPERS INVOLVING TWO HETEROGENEOUS WEBS, ONE COMPOSED OF RAG OR WOOD FIBERS AND THE OTHER OF MINERALS, AND EMPLOYED ON DUPLICATING PAPERS, PARTICULARLY STENCIL DUPLICATING, "MIMEOGRAPHING", GELATIN PROCESS, DUPLICATING, AND LIQUID OR SPIRIT PROCESS DUPLICATING.
Claims use since Jan. 1, 1940.

387,597. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ETHEL BELLAMY, INC., Nutley, N. J. Filed May 18, 1940. Serial No. 432,064.

Eyelash Luxuriant

FOR COSMETIC CREAM FOR TREATING EYELASHES.
Claims use since Feb. 6, 1940.

387,598. (Class 14. METALS AND METAL CASTINGS AND FORGINGS.) THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio. Filed May 18, 1940. Serial No. 432,088.

NICKELCHROMEWELD

FOR METALLIC WELDING ELECTRODES.
Claims use since Mar. 29, 1940.

387,599. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ALABAMA MARBLE COMPANY, doing business as Alabama Calcium Products Company, Gantts Quarry, Ala. Filed July 22, 1940. Serial No. 434,196.



FOR PULVERIZED CALCIUM CARBONATE SACKED IN 100-LB. PAPER SACKS AND SIMILAR SMALLER CONTAINERS AND USED AS A MINERAL FEED.
Claims use since Nov. 15, 1939.

387,600. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FUGAZZI-PINELLAS GROVES CO., Clearwater, Fla., and Cincinnati, Ohio. Filed Nov. 5, 1940. Serial No. 437,592.

Tru-Frutte

FOR FRESH CITRUS FRUITS.
Claims use since 1930.

387,601. (CLASS 38. PRINTS AND PUBLICATIONS.) FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Nov. 7, 1940. Serial No. 437,646.

FLYING MANUAL

FOR PUBLICATION APPEARING ANNUALLY OR IN APPROXIMATELY ANNUAL PERIODS.
Claims use since Mar. 14, 1929.

387,602. (CLASS 38. PRINTS AND PUBLICATIONS.) ANNIE HOEPPEL, Arcadia, Calif. Filed Nov. 8, 1940. Serial No. 437,680.

NATIONAL DEFENSE

FOR A PERIODICAL.
Claims use since February, 1939.

387,603. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE EUCLID CANDY COMPANY OF CALIFORNIA, INC., San Francisco, Calif. Filed Nov. 9, 1940. Serial No. 437,720.

Euclid's San Francisco Brazilian Candy Bar

FOR CANDY.
Claims use since Jan. 14, 1936.

387,604. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SAM SILVERMAN, doing business as S. Silverman Company, Cincinnati, Ohio. Filed Feb. 10, 1941. Serial No. 440,524.

ARMY

THE WATCH FOR 'MEN OF ACTION'

WATERPROOF-DUSTPROOF-SHOCKPROOF

FOR WATCHES, CLOCKS, AND CHRONOGRAPHS.
Claims use since Jan. 15, 1936.

387,605. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SAM SILVERMAN, doing business as S. Silverman Company, Cincinnati, Ohio. Filed Feb. 24, 1941. Serial No. 440,962.

NAVY

THE WATCH FOR 'MEN OF ACTION'
WATERPROOF-SHOCKPROOF-DUSTPROOF

FOR WATCHES, CLOCKS, AND CHRONOGRAPHS.
Claims use since Jan. 15, 1936.

387,606. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VERN C. BALDWIN, Springfield, Ill. Filed Mar. 3, 1941. Serial No. 441,151.

BROW-EZE

FOR MEDICINES TO BE APPLIED TO EYEBROWS WHEN PLUCKING.
Claims use since Jan. 15, 1940.

387,607. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARRON-GRAY PACKING COMPANY, San Jose, Calif. Filed Mar. 10, 1941. Serial No. 441,384.

BARRON-GRAY'S

FOR CANNED FRUITS, CANNED FRUITS FOR SALAD, AND CANNED FRUIT COCKTAIL.
Claims use since Oct. 5, 1925.

387,608. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) SCHENLEY DISTILLERS CORPORATION, New York, N. Y. Filed Mar. 29, 1941. Serial No. 442,077.

VATTED BLEND

FOR WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS.
Claims use since Mar. 7, 1940.

387,609. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) KRAUS BROS. & CO., INC., New York, N. Y. Filed Apr. 3, 1941. Serial No. 442,235.

LEBANON

FOR WHISKIES, RUMS, GINS, AND ALCOHOLIC CORDIALS.
Claims use since March, 1935.

387,610. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) KRAUS BROS. & CO., INC., New York, N. Y. Filed Apr. 3, 1941. Serial No. 442,236.

MT. HEBRON

FOR WHISKIES, RUMS, GINS, AND ALCOHOLIC CORDIALS.
Claims use since March, 1937.

TRADE-MARK REGISTRATIONS RENEWED

19,634. **CLICQUOT-CLUB.** GINGER ALE. Registered June 2, 1891. HENRY L. MILLIS. Re-renewed June 2, 1941, to Clicquot Club Company, Millis, Mass., a corporation of Rhode Island, successor.

136,764. **OWL STAMP.** TRADING-STAMPS. Registered November 9, 1920. BROWNING & SANDERS. Renewed November 9, 1940, to Owl Discount Stamp Company, Springfield, Mo., a limited partnership, assignee by mesne assignments.

139,126. **REPRESENTATION OF A MAN WITH BUCKETS.** CHEESE. Registered January 25, 1921. COÖPERATIVE PRODUCENTEN HANDELSVEREENIGING, Gouda and The Hague, Netherlands. Renewed January 25, 1941, to Coöperatieve Producenten Handelsvereeniging, Gouda, Netherlands, a corporation of The Netherlands.

139,999. **LA TAUSCA.** CERTAIN NAMED JEWELRY FOR PERSONAL WEAR, MATCH-CASES, AND PURSES. Registered March 1, 1921. KARPELES COMPANY, Providence, R. I. Renewed March 1, 1941, to L. Heller & Son, Inc., New York, N. Y., a corporation of New York, successor.

140,527. **RELIANCE.** TRAILERS. Registered March 15, 1921. RELIANCE TRAILER AND TRUCK COMPANY, INC., San Francisco, Calif., a corporation of California. Renewed March 15, 1941.

140,658. **NAT-MAR-CO.** CERTAIN NAMED INKS. Registered March 22, 1921. THE NATIONAL MARKING MACHINE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed March 22, 1941.

140,659. **NAT-MAR-CO.** CERTAIN NAMED INKS. Registered March 22, 1921. THE NATIONAL MARKING MACHINE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed March 22, 1941.

140,769. **SAXOTA.** WHEAT-FLOUR. Registered March 29, 1921. CENTENNIAL MILL COMPANY OF TENNESSEE, Memphis, Tenn. Renewed March 29, 1941, to Centennial Flouring Mills Company, Seattle, Wash., a corporation of Washington, assignee.

140,808. **GATES HIMSELF.** HOME-MADE CANDIES AND CHOCOLATES. Registered March 29, 1921. WILLIAM HENRY GATES, Norfolk, Va. Renewed March 29, 1941.

140,830. **H.** METAL SIGNS AFFIXED TO PERMANENT SUPPORTS AND USED AS ROAD-MARKERS. Registered March 29, 1921. FRANK W. HOCKADAY. Renewed March 29, 1941, to Grace Hockaday, guardian of Frank W. Hockaday, insane, Wichita, Kans.

140,831. **SOLUNA.** A MIXTURE OF WOOL AND COTTON PIECE GOODS. Registered March 29, 1921. WILLIAMS HOLLINS & CO., LIMITED, Mansfield and London, England. Renewed March 29, 1941, to William Hollins & Company, Limited, Nottingham, England, a British corporation.

140,919. **JO&SO.** CERTAIN LEATHER GOODS FOR USE IN LOOM AND TEXTILE MACHINERY. Registered March 29, 1921. JOHN ORMEROD AND SONS LIMITED, Castleton, England, a British corporation. Renewed March 29, 1941.

140,934. **WASH-DAY.** CLOTHESLINE-POSTS OF METAL. Registered March 29, 1921. PFAFF & KENDALL, Newark, N. J., a corporation of New Jersey. Renewed March 29, 1941.

140,945. **AZUL MAGICO.** LAUNDRY BLUE. Registered March 29, 1921. RECKITTS (U. S. A.), LTD., New York, N. Y., and New Brunswick, N. J. Renewed March 29, 1941, to The R. T. French Company, Rochester, N. Y., a corporation of Delaware, assignee by mesne assignments.

141,058. **BUSTER.** CANNED FISH. Registered April 5, 1921. THLINKET PACKING CORPORATION, Portland, Oreg. Renewed April 5, 1941, to P. E. Harris & Co., Seattle, Wash., a corporation of Washington, assignee by mesne assignments.

141,059. **SEA ROSE.** CANNED FISH. Registered April 5, 1921. THLINKET PACKING CORPORATION, Portland, Oreg. Renewed April 5, 1941, to Alaska Pacific Salmon Company, Seattle, Wash., a corporation of Nevada, assignee by mesne assignments.

141,061. **SUWANEE.** CANNED FISH. Registered April 5, 1921. THLINKET PACKING CORPORATION, Portland, Oreg. Renewed April 5, 1941, to Alaska Pacific Salmon Company, Seattle, Wash., a corporation of Nevada, assignee by mesne assignments.

141,134. **FIRESIDE.** HARD CANDIES. Registered April 12, 1921. HARDIE BROS. CO. INC., Pittsburgh, Pa., a corporation of Pennsylvania. Renewed April 12, 1941.

141,550. **ISOLATE.** EXTRACTS FOR FOOD-FLAVORING PURPOSES. Registered April 26, 1921. FOOTE AND JENKS. Renewed April 26, 1941, to Foote & Jenks, Inc., Jackson, Mich., a corporation of Michigan, by change of name.

141,570. **MORNING CHEER.** CANTALOUPS. Registered April 26, 1921. HALF MOON FRUIT & PRODUCE CO. Renewed April 26, 1941, to Half Moon Fruit & Produce Company, San Francisco, Calif., a corporation of California, assignee.

141,579. **JACOBSON'S WONDERBALM.** ANALGESIC AND STIMULATING ANTISEPTIC OINTMENT FOR INFLAMMATORY CONGESTION AND RHEUMATIC ACHES AND PAINS. Registered April 26, 1921. JOSEPH E. JACOBSON, Jacksonville, Fla. Renewed April 26, 1941, to Joseph E. Jacobson, Miami Beach, Fla.

141,606. **WILLOWEE.** HAIR-NETS. Registered April 26, 1921. ROBBINS & SCHWARTZ. Renewed April 26, 1941, to Aaron Schwartz, New York, N. Y., successor.

141,695. **TEPEE.** CANNED FISH. Registered April 26, 1921. THLINKET PACKING CORPORATION, Portland, Oreg. Renewed April 26, 1941, to P. E. Harris & Co., Seattle, Wash., a corporation of Washington, assignee by mesne assignments.

142,088. **KLIX.** INSECTICIDE FOR KILLING INSECTS ON POULTRY AND OTHER FEATHERED CREATURES. Registered May 3, 1921. WM. PETERMAN INC., Passaic, N. J., and New York, N. Y. Renewed May 3, 1941, to Stanco Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

142,176. **CLOVERINE.** LAXATIVE PILLS. Registered May 3, 1921. GEORGE C. WILSON. Renewed May 3, 1941, to The Wilson Chemical Company, Inc., Tyrone, Pa., a corporation of Delaware, assignee.

142,319. **PARCO.** GASOLENE, KEROSENE, AND LUBRICATING-OIL. Registered May 10, 1921. PRODUCERS & REFINERS CORPORATION, Denver, Colo. Renewed May 10, 1941, to Sinclair Refining Company, New York, N. Y., a corporation of Maine, assignee.

142,615. **MASTER CORD.** TIRES MADE WHOLLY OR PARTLY OF RUBBER OR HAVING RUBBER INCORPORATED THEREWITH. Registered May 17, 1921. THE MASTER TIRE AND RUBBER COMPANY, Dayton, Ohio. Renewed May 17, 1941, to Master Tire & Rubber Corporation, Findlay, Ohio, a corporation of Delaware, assignee by mesne assignments.

142,753. **FAMOSERGE.** OUTER SUITS AND TROUSERS FOR MEN AND BOYS. Registered May 17, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed May 17, 1941.

142,915. **RIMIX.** WHEAT-FLOUR. Registered May 24, 1921. AMENDT MILLING COMPANY, Monroe, Mich., a corporation of Michigan. Renewed May 24, 1941.

142,951. **BUCKEYE.** HOPS. Registered May 24, 1921. THE BURGER BROS. COMPANY. Renewed May 24, 1941, to The Burger Brewing Company, Cincinnati, Ohio, a corporation of Ohio, by change of name.

143,142. **PURITY-INSTANT.** OATMEAL. Registered May 24, 1921. PURITY OATS COMPANY, Branch of American Hominy Company, Davenport and Keokuk, Iowa. Renewed May 24, 1941, to Purity Oats Company, Keokuk, Iowa, a corporation of Delaware, successor.

143,224. **CLOVERINE MENTHO-BALM.** SALVE FOR THE SKIN AND MUCOUS MEMBRANE. Registered May 24, 1921. GEORGE C. WILSON. Renewed May 24, 1941, to The Wilson Chemical Company, Inc., Tyrone, Pa., a corporation of Delaware, assignee.

143,463. **RANCH ROSE.** WOOL-BATTING. Registered May 31, 1921. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed May 31, 1941.

143,541. **AT-WATER.** FRESH DECIDUOUS AND VINOUS FRUITS. Registered June 7, 1921. ATWATER FRUIT EXCHANGE, Atwater, Calif., a corporation of California. Renewed June 7, 1941.

143,564. **BUCKEYE.** EXTRACT OF BARLEY-MALT FOR BREADSTUFFS AND MALTED MILK. Registered June 7, 1921. THE BURGER BROS. COMPANY. Renewed June 7, 1941, to The Burger Brewing Company, Cincinnati, Ohio, a corporation of Ohio, by change of name.

143,567. **RUPERT.** ALL VARIETIES OF FROZEN FISH, SALT FISH, AND SMOKED FISH. Registered June 7, 1921. CANADIAN FISH & COLD STORAGE CO., Limited, Prince Rupert, British Columbia, Canada, and Chicago, Ill. Renewed June 7, 1941, to Canadian Fish & Cold Storage Company Limited, Prince Rupert, British Colombia, Canada, a corporation of British Columbia.

143,588. **PONSOL.** DYESTUFFS. Registered June 7, 1921. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed June 7, 1941.

143,589. **PONTACHROME.** DYESTUFFS. Registered June 7, 1921, E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed June 7, 1941.

143,590. **PONTACYL.** DYESTUFFS. Registered June 7, 1921. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed June 7, 1941.

143,591. **PONTAMINE.** DYESTUFFS. Registered June 7, 1921. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed June 7, 1941.

143,592. **LITHOSOL.** DYESTUFFS. Registered June 7, 1921. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed June 7, 1941.

143,895. **ATLANTIC MONTHLY.** A PERIODICAL PUBLISHED MONTHLY. Registered June 21, 1921. THE ATLANTIC MONTHLY COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed June 21, 1941.

143,954. **G. & G.** TELESCOPIC AND NON-TELESCOPIC STATIONARY HOISTS, AND HEADS, JIBS, AND OTHER PARTS AND ACCESSORIES THEREFOR. Registered June 21, 1921. GILLIS & GEOGHEGAN. Renewed June 21, 1941, to Gillis & Geoghegan Hoist Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

144,237. **STORK LINE.** MEDICINE-CABINETS, BABY-BASSINETS, CHILDREN'S DRESSES, CHIFFONIERS, CHIFFORETTES, AND COSTUMERS. Registered June 28, 1921. THE GLASS NOVELTY COMPANY. Renewed June 28, 1941, to Storkline Furniture Corporation, Chicago, Ill., a corporation of Illinois, by change of name.

144,968. **REPRESENTATION OF A RAM'S HEAD AND A CARPENTER'S SQUARE.** PAPER-MAKER'S WOOLEN FELTS AND JACKETS. Registered July 19, 1921. THE WATERBURY FELT COMPANY, Skaneateles Falls, N. Y., a corporation of New York. Renewed July 19, 1941.

145,335. **SUNBEAM.** ELECTRIC FLATIRONS. Registered August 2, 1921. CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 2, 1941.

145,592. **CHARMOOZ.** LEATHER. Registered August 16, 1921. AMALGAMATED LEATHER COMPANIES, INC., Wilmington, Del.; Philadelphia, Pa.; New York and Rochester, N. Y.; Boston, Mass.; Chicago, Ill.; and St. Louis, Mo. Renewed August 16, 1941, to Amalgamated Leather Companies, Inc., Wilmington, Del., a corporation of Delaware.

145,620. **TRED-WELL.** SHOES MADE OF LEATHER. Registered August 16, 1921. GEORGE BURKMAN, Omaha, Nebr. Renewed August 16, 1941.

145,697. **REPRESENTATION OF A STAR.** CEMENT BLOCKS. Registered August 16, 1921. IDEAL CEMENT STONE COMPANY, Omaha, Nebr., a corporation of Nebraska. Renewed August 16, 1941.

145,750. **THE RYTE MORAND.** HATS FOR MEN AND WOMEN. Registered August 16, 1921. H. S. MORAND. Renewed August 16, 1941, to Ryte-Morand, Limited, Cincinnati, Ohio, a limited partnership association of Ohio, assignee, by mesne assignments.

145,761. **N.** FABRIC FIRE-HOSE. Registered August 16, 1921. CHAS. NIEDNER'S SONS COMPANY, Malden, Mass., a corporation of Massachusetts. Renewed August 16, 1941.

145,778. **QUAKER STATE.** CERTAIN NAMED OILS AND GREASES. Registered August 16, 1921. PHINNY BROTHERS COMPANY. Renewed August 16, 1941, to Quaker State Oil Refining Corporation, Oil City, Pa., a corporation of Delaware, assignee.

145,927. **COLSON'S NOURISHINE.** HAIR-RESTORER. Registered August 23, 1921. RUDOLPH JOHN ARATA, Los Angeles, Calif. Renewed August 23, 1941, to Nourishine Sales Company, Hollywood, Calif., a corporation of California, successor.

145,945. **DeWITT'S GOLDEN.** PREPARATIONS FOR TREATMENT OF BRUISES, BURNS, SCALDS, CUTS, AND INFLAMMATION. Registered August 23, 1921. E. C. DEWITT CO. INC., Chicago, Ill., and New York, N. Y. Renewed August 23, 1941, to E. C. DeWitt & Co. Inc., Chicago, Ill., a corporation of New York.

146,125. **POLLYANNA.** SELF-RISING WHEAT-FLOUR. Registered August 30, 1921. THE PORTLAND FLOURING MILLS CO., Portland, Oreg. Renewed August 30, 1941, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee by mesne assignments.

146,362. **SINCLAIR.** LUBRICATING-OILS. Registered September 6, 1921. SINCLAIR REFINING COMPANY, Chicago, Ill. Renewed September 6, 1941, to Sinclair Refining Company, New York, N. Y., a corporation of Maine.

146,626. **WHITTALL'S.** WILTON, BRUSSELS, AND PLUSH RUGS AND CARPETS. Registered September 13, 1921. M. J. WHITTALL ASSOCIATES. Renewed September 13, 1941, to M. J. Whittall Associates, Inc., Worcester, Mass., a corporation of Massachusetts, assignee.

146,679. **BALBOA.** FRESH CITRUS FRUITS. Registered September 20, 1921. ANAHEIM CITRUS FRUIT ASSOCIATION, Anaheim, Calif, a corporation of California. Renewed September 20, 1941.

146,762. **JUNKET.** BUTTER-COLOR. Registered September 20, 1921. CHR. HANSEN'S LABORATORY, INC., Little Falls, N. Y., a corporation of New York. Renewed September 20, 1941.

146,763. **JUNKET.** FOOD-COLORS. Registered September 20, 1921. CHR. HANSEN'S LABORATORY, INC., Little Falls, N. Y., a corporation of New York. Renewed September 20, 1941.

146,871. **HI-PO-DISTAL.** PETROLEUM PRODUCTS USED AS A FUEL FOR AUTOMOBILES, GAS MOTORS AND ENGINES. Registered September 20, 1921. SINCLAIR REFINING COMPANY, Chicago, Ill. Renewed September 20, 1941, to Sinclair Refining Company, New York, N. Y., a corporation of Maine.

146,872. **DIAMOND C.** LUBRICATING-OIL. Registered September 20, 1921. SINCLAIR REFINING COMPANY, Chicago, Ill. Renewed September 20, 1941, to Sinclair Refining Company, New York, N. Y., a corporation of Maine.

146,873. **ONYX.** LUBRICATING OILS AND GREASES. Registered September 20, 1921. SINCLAIR REFINING COMPANY, Chicago, Ill. Renewed September 20, 1941, to Sinclair Refining Company, New York, N. Y., a corporation of Maine.

146,874. **SPIN-KNIT.** LUBRICATING-OIL. Registered September 20, 1921. SINCLAIR REFINING COMPANY, Chicago, Ill. Renewed September 20, 1941, to Sinclair Refining Company, New York, N. Y., a corporation of Maine.

146,875. **SUPERFLAME.** KEROSENE. Registered September 20, 1921. SINCLAIR REFINING COMPANY, Chicago, Ill. Renewed September 20, 1941, to Sinclair Refining Company, New York, N. Y., a corporation of Maine.

146,966. **CAPPI.** BRILLIANTINE, FACE-POWDER, FACE-CREAM, TOILET WATER, PERFUME, SACHET AND TALCUM POWDER. Registered September 27, 1921. CHERAMY, INC., New York, N. Y., a corporation of New York. Renewed September 27, 1941.

147,002. **JO-MIL SHUR-KACKLE.** POULTRY FEED. Registered September 27, 1921. JOSEY MILLER CO. Renewed September 27, 1941, to Josey-Miller Company, Inc., Beaumont, Tex., a corporation of Texas, assignee.

147,004. **KELLOGG'S.** CASTOR-OIL. Registered September 27, 1921. SPENCER KELLOGG AND SONS, INC., Buffalo, N. Y., a corporation of New York. Renewed September 27, 1941.

REISSUES

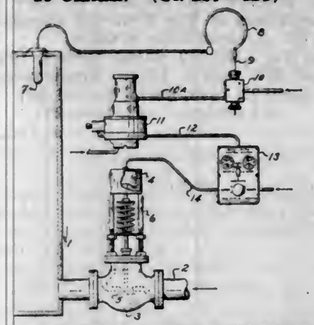
MAY 20, 1941

21,804
CONTROL SYSTEM

Harvard H. Gorrie, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware

Original No. 2,098,914, dated November 9, 1937, Serial No. 8,047, February 25, 1935. Application for reissue February 25, 1939, Serial No. 258,586

15 Claims. (Cl. 137—153)



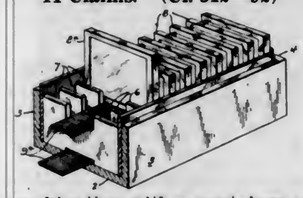
1. In a control system, in combination, a fluid pressure conduit, valve means having a neutral position and in said conduit to control the magnitude of the pressure in that portion of the conduit beyond said valve means, means for displacing said valve means from the neutral position to admit pressure fluid to that portion of said conduit beyond said valve means upon departure of a condition to be controlled in one direction from a predetermined value and for displacing said valve means from the neutral position to discharge pressure fluid from that portion of said conduit beyond said valve means upon departure of the condition in opposite direction from the predetermined value, means for restoring the valve to the neutral position controlled by the pressure of the fluid within that portion of said conduit beyond said valve means, and means controlled by the pressure of the fluid within that portion of the conduit beyond said valve means for preventing the valve from remaining in neutral position until the condition attains a predetermined value.

21,805
COMBINATION CONTAINER AND EJECTOR

Valentine F. Greaves, Oakland, Calif.

Original No. 2,194,828, dated March 26, 1940, Serial No. 194,591, March 8, 1938. Application for reissue May 1, 1940, Serial No. 332,805

11 Claims. (Cl. 312—92)



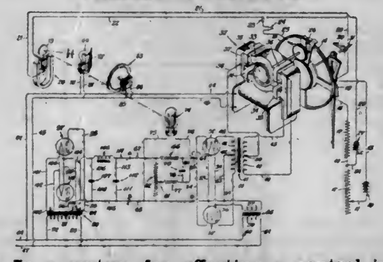
8. In combination with a container adapted to hold a series of projection slides having a prearranged sequence whereby slides can be progressively removed from a group to be projected and returned to a second group after projection while maintaining said prearranged sequence, of means movably mounted in the container and positioned to engage a slide of each sequence for progressively separating the slides into said two groups.

21,806
LIGHT VALVE CONTROL

Manfred J. Johnson, Naugatuck, Conn., assignor of one-half to The Lewis Engineering Company, Naugatuck, Conn.

Original No. 2,151,474, dated March 21, 1939, Serial No. 72,670, April 3, 1936. Application for reissue January 26, 1940, Serial No. 315,643

20 Claims. (Cl. 250—41.5)



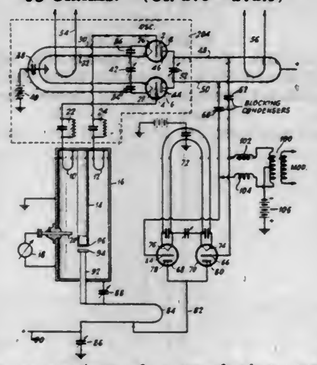
8. In a system for effecting a control in response to change in magnitude of a condition, the method which comprises producing an electric current of constant frequency and magnitude, interrupting a single beam of light to produce a phase displacement of said current substantially 90° in response to change in the magnitude of said condition, and selectively directing said current according to its phase position through one of a plurality of circuits for effecting a control.

21,807
FREQUENCY CONTROL

Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original No. 2,143,891, dated January 17, 1939, Serial No. 13,886, March 30, 1935. Application for reissue December 21, 1940, Serial No. 371,182

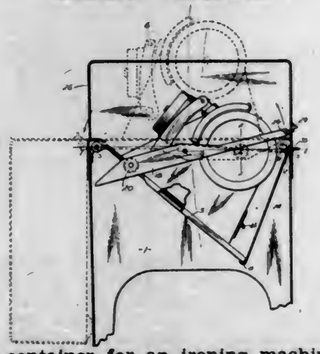
63 Claims. (Cl. 179—171.5)



62. In a system for producing waves of

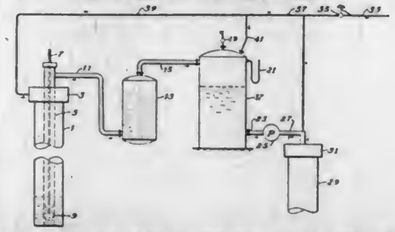
varied frequency, an oscillation generator having an output circuit and a frequency controlling circuit comprising a hollow metallic enclosure containing electric flux varying at high frequency, a metallic element within said enclosure, a source of control voltages, and means connected to said source and to said element for changing the electric flux distribution within said container and thereby the frequency of oscillation of said generator in accordance with the amplitude and polarity of said control voltages.

21,808
IRONING MACHINE
Charles C. Scheele, Syracuse, N. Y., assignor to Easy Washing Machine Corporation, Syracuse, N. Y., a corporation of Delaware
Original No. 1,887,734, dated November 15, 1932, Serial No. 475,408, August 15, 1930. Application for reissue filed June 14, 1933, Serial No. 675,733
4 Claims. (Cl. 38—61)



1. A container for an ironing machine comprising a main frame, a lever pivotally mounted on each side of the frame, a platform intermediate the levers and having one end pivotally mounted on the frame, a roller on one end of each of the levers, said rollers being in contact with the under surface of the platform, a cover for the frame adapted to be moved from a closed position over the frame to an open position outside and at the rear of the frame, and pivotal connections between the forward side of the cover and the ends of the levers opposite those which carry the rollers whereby movement of the cover from the closed position to the open position will move the levers about their pivots to carry the rollers across the under surface of the platform to move the latter about its pivot.

21,809
METHOD AND APPARATUS FOR WATER-DRIVE PRODUCTION OF MINERAL OIL
Cary R. Wagner and Richard H. Carr, Chicago, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Original No. 2,152,779, dated April 4, 1939, Serial No. 152,087, July 6, 1937. Application for reissue April 22, 1940, Serial No. 331,061
14 Claims. (Cl. 166—21)



12. In the transfer of water into an earth bore the method of preventing clogging of said earth bore into which is injected said water containing soluble compounds which precipitate upon oxidation which comprises maintaining the water at its source under an inert fluid capable of forming a protective blanket over the surface of the water, transferring the water from its source to the injection bore in the absence of air or oxygen and injecting the water without treatment to remove said compounds therefrom into the injection bore under a blanket of inert fluid.

PLANT PATENTS

GRANTED MAY 20, 1941

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

466
ROSE PLANT
John de Vink, Boskoop, Netherlands, assignor to The Conard-Pyle Company, West Grove, Pa.
Application November 8, 1940, Serial No. 364,928
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the *Indica mimina* species, characterized as to novelty by symmetrical habit of growth and diminutive size, its fern-like narrow-pointed leaves, and the perfect form and novel color of the flowers, substantially as shown and described.

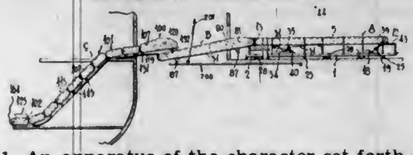
PATENTS

GRANTED MAY 20, 1941

2,242,205
MANGANESE ALLOY
Clarence Travis Anderson, Pittsburgh, Pa., assignor to Chicago Development Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application April 21, 1939, Serial No. 269,213
1 Claim. (Cl. 75—134)

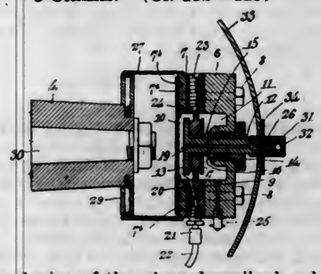
A ductile manganese-base alloy containing from about 0.1% to about 5% of a member selected from the group consisting of substantially oxide-free aluminum and silicon, from about 2% to about 10% nickel, from about 3% to about 16% copper, and the balance comprising substantially electrolytic manganese.

2,242,206
LOADING AND UNLOADING CONVEYER APPARATUS
William Bisset, Port Hope, Ontario, Canada, assignor to Mathews Conveyer Company, Limited, Port Hope, Ontario, Canada, a corporation of the Dominion of Canada
Application March 2, 1939, Serial No. 259,443
21 Claims. (Cl. 198—88)



1. An apparatus of the character set forth including a conveyer unit comprising two sections pivotally connected together so that one section may be disposed at an angle relative to the other section, each of said sections having longitudinally disposed guideways thereon, a second conveyer unit movable over said guideways, and means for moving said second conveyer unit with respect to the first conveyer unit whereby said second unit may be positioned over the first unit or projected longitudinally thereof to form a continuous conveyer of both units.

2,242,207
AIR DISTRIBUTING HEAD FOR TIRE INFLATION DEVICES
John F. Bowers, Georgetown, Del., assignor to Aidco Automatic Inflator and Deflator Company, Georgetown, Del., a corporation of Delaware
Application March 1, 1939, Serial No. 259,293
5 Claims. (Cl. 152—415)

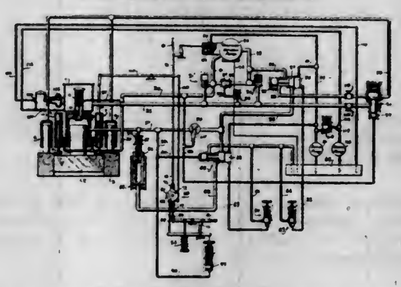


1. In a device of the class described, a housing adapted to be secured to a wheel hub, a wall in and separable from said housing and dividing the latter into chambers, an air spindle rotatably mounted in said housing, one end of said spindle communicating with one of said chambers, and an air take-off carried by said wall and in communication with said air chamber.

2,242,208
RUBBER ACCELERATOR AND ACTIVATOR
Arnold R. Davis, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 5, 1938, Serial No. 223,206
10 Claims. (Cl. 260—782)

1. The process of producing a vulcanizable rubber composition which comprises incorporating with the rubber a vulcanizing agent, a diaryl guanidine, activatable organic accelerator, and the non-hygroscopic resin-like, amorphous addition product of zinc chloride and a diaryl guanidine.

2,242,209
HYDRAULIC PRESS
Richard W. Dinzl, Westfield, N. J., assignor, by mesne assignments, to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application November 16, 1935, Serial No. 50,198
Renewed October 24, 1939
22 Claims. (Cl. 113—45)

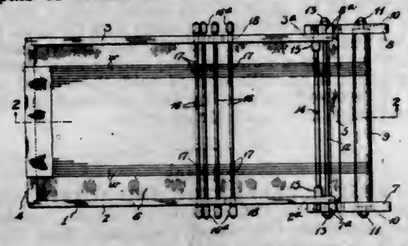


1. In combination, a hydraulic press having a vertically movable hydraulically operated slide and pull-back mechanism therefor, a source of fluid pressure for operating said slide and pull-back mechanism, cam mechanism including cam and cam follower elements each mounted separately from said slide, means operatively connecting the cam element to said slide so that the cam element has movement in accordance with but proportionately reduced from the movement of the slide, and means controlled by said cam mechanism for returning the slide when it reaches a predetermined lower position.

2,242,210
HAND LOOM
Milo O. Gallinger, Hartland, Mich., assignor to J. Robert Crouse, Cleveland Heights, Ohio
Application November 12, 1938, Serial No. 239,963
4 Claims. (Cl. 139—33)

1. In a loom, a rectangular frame structure

adapted in operation to have the warp thread wound continuously around it from end to end, said structure comprising in combination a rigid main section having side bars and transverse end bars connecting the side bars, an adjustable section having a transverse warp-engaging rod and a pair of radius arms connected respectively to



the ends of said rod, means for pivotally connecting the radius arms to the rigid frame section at one end of the latter whereby the warp-engaging rod can be swung toward and away from the adjacent transverse end bar of the rigid frame section, and means for holding the said arms and rod in different adjusted positions.

2,242,211

QUATERNARY COMPOUNDS OF THE PYRIDINE SERIES AND PROCESS FOR THE PRODUCTION OF THE SAME

Erich Haack, Radebeul, near Dresden, Germany, assignor to Chemische Fabrik Von Heyden Aktiengesellschaft, Radebeul, near Dresden, Germany, a corporation of Germany

No Drawing. Application July 20, 1938, Serial No. 220,347. In Germany August 2, 1937

2 Claims. (Cl. 260—286)

1. The compound of the formula



where CO—R means an acyl radical selected from the group consisting of the cocoanut-fatty acid acyl radicals,

means a heterocyclic compound of the pyridine series selected from the group consisting of pyridine, quinoline, isoquinoline and C-methyl-homologues thereof.

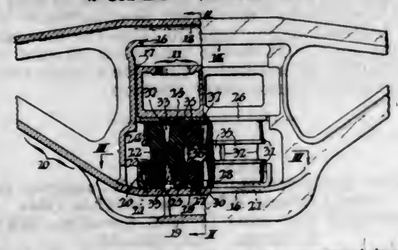
2,242,212

SPRINGING FOR RAILWAY TRUCKS

Frederick W. Hankins, Philadelphia, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 26, 1940, Serial No. 347,597

2 Claims. (Cl. 267—63)



1. Springing for a railway car comprising, in combination, lower and upper hollow housings facing toward one another, and a series of live rubber cushion sections fitted side-to-side into said housings and thus substantially fixed in position in the housings, and holding the latter apart, said cushion sections being separated along lateral zones at their mid-height by lateral reduction or recessing between their juxtaposed faces, and also having their upper and lower portions within the housings internally hollowed and empty, whereby lateral expansion is afforded the rubber inside the cushion substantially throughout the cushion height, partly between the cushion sections and partly within each section.

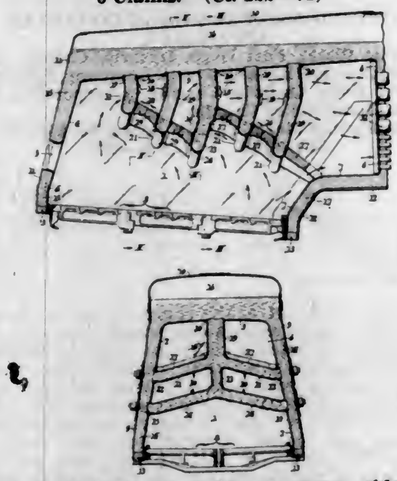
2,242,213

LOCOMOTIVE FIREBOX

Harry A. Hoke, Altoona, and Samuel P. Lloyd, Narberth, Pa., assignors to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 12, 1940, Serial No. 329,242

6 Claims. (Cl. 122—71)



1. In a firebox including a crown, side and throat sheets, a forward arch inclined upwardly from the throat sheet towards the back head; a series of longitudinally spaced substantially T-shape tubular transverse circulatory devices having the leg ends connected through the firebox crown, the arm portions being similarly connected at their extremities into the side sheets, with an intervening device having vertically-spaced multiple arms; refractory brick supported by said arms to define a forward arch extending from the throat sheet to the upper arms of the intervening device, and an extension arch from said intervening device lower arms towards the firebox back end, whereby the firebox flameway is substantially increased.

2,242,214

DISTRIBUTING DEVICE FOR PRINTING MACHINES

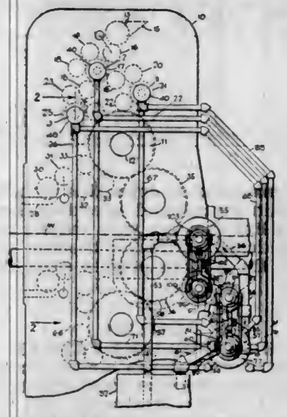
William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application June 30, 1939, Serial No. 282,292

17 Claims. (Cl. 101—350)

1. In a printing machine having a liquid distributing system, a liquid distributing roller co-

operable with other rollers in the liquid distributing system and mounted for axial reciprocatory movement, a cylinder, a piston mounted for axial reciprocatory movement within the cylinder and operably connected with the roller, a fluid-control valve communicable with a source of fluid supply and with the source of fluid supply under pressure and with the opposed terminals of the



cylinder, a power driven component for the valve operable to simultaneously communicate the said fluid under pressure with the cylinder at one side of the piston and to communicate the cylinder at the opposed side of the piston with the source of fluid supply to discharge fluid from the cylinder through the valve back to the source of fluid supply, whereby the piston and distributing roller are moved axially.

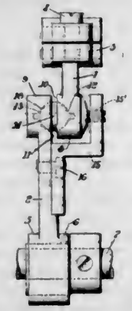
2,242,215

UNIVERSAL JOINT

Edwin W. Johnson, Trumbull, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application February 14, 1939, Serial No. 256,324

3 Claims. (Cl. 287—100)



1. A power transmitting connection comprising two members each of which has a ball-receiving socket opening into the inner face thereof, a ball interposed between said ball-receiving sockets, one of said members having formed upon its outer face and concentric with said ball a semi-spherical surface, and a retaining arm secured upon one of said members and engaging the semi-spherical surface of the other member for maintaining said members in contact with said ball.

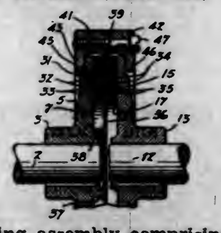
2,242,216

COUPLING

Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application March 31, 1937, Serial No. 133,975

15 Claims. (Cl. 64—11)



15. A coupling assembly comprising a pair of spaced rotatable members having radially extending flanges formed with faces disposed in confronting relation to one another, a resilient and deformable drive element disposed between the members and in engagement with said faces, and a shell extending between the members and having radially disposed flanges engaged behind the flanges of the rotatable members to hold the same with the drive element compressed between the faces.

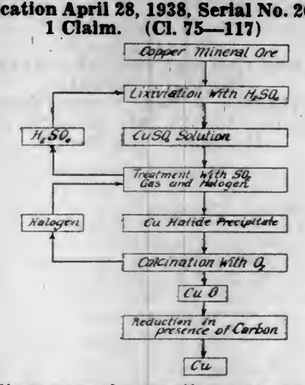
2,242,217

PROCESS FOR THE LIXIVIATION OF COPPER ORES AND THE SUBSEQUENT RECOVERY OF COPPER

Arturo Amenabar, Santiago, Chile, assignor to Ovalle, Tupper & Amenabar Limitada, Santiago, Chile

Application April 28, 1938, Serial No. 204,884

1 Claim. (Cl. 75—117)



A cyclic process for treating copper ore comprising lixiviating the ore with sulfuric acid, treating the resulting copper sulfate solution with sulfur dioxide and a halogen to precipitate copper halide, the resulting sulfuric acid being returned directly to the process for lixiviating the ore and calcining the copper halide with oxygen to form an oxide of copper, the freed halogen being returned directly to the copper sulfate solution to form the copper halide.

2,242,218

SIZING TEXTILES

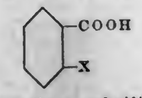
László Auer, Mansfield, Mass.

No Drawing. Application August 13, 1937, Serial No. 159,017. In Hungary August 14, 1936

8 Claims. (Cl. 91—70)

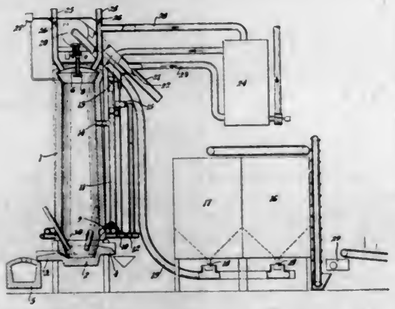
1. In the manufacture of sized textiles resist-

ant to laundering and detergents and to crushing, creasing and wrinkling, said textiles carrying adsorbed urea-formaldehyde resin produced, in situ, in and on the fibers thereof, the improvement which comprises contacting the unsized fabric with a hot solution of an organic acid having the following formula



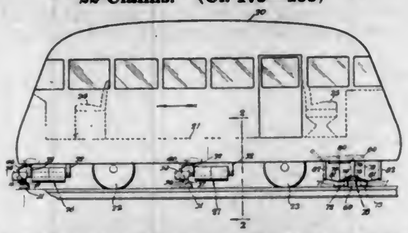
wherein X represents a substituent of the class consisting of H and COOH, said organic acid being difficultly soluble in cold water, until the fibers adsorb a catalytic amount of said acid, removing the excess solution and drying the so soured fabric, next contacting the dried sour fabric with a dilute, thinly liquid, practically neutral aqueous solution of formaldehyde-urea, and simple reaction products thereof, at room temperature to produce a further adsorption of said products by said fibers, said solution containing less than 20 per cent of dissolved solids and being practically free of insoluble products, removing the excess of the aqueous liquid, aging the damp impregnated fabric containing the coadsorbed acid and formaldehyde-urea at room temperature until all the urea has reacted, drying the so-aged fabric to remove the residual water and formaldehyde without resinifying the adsorbed urea-formaldehyde condensation products by any fargoing catalytic action of the adsorbed acid, and then curing the dried impregnated fabric at a temperature sufficient to fully resinify the urea-formaldehyde products into permanent insoluble resins resistant to laundering detergents.

2,242,219
PROCESS FOR MELTING AND REFINING FERROUS METALS
Thaddeus F. Baily, Canton, Ohio
Application April 26, 1939, Serial No. 270,110
11 Claims. (Cl. 75—12)



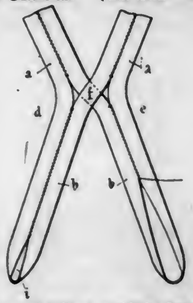
1. That method in converting light ferrous metal particles into refined metal which consists in charging the metallic particles with materials which will form an iron refining slag, into the top of a shaft type furnace fired with fuel and air introduced at the bottom of the shaft, heating the material to melting temperature as it falls through the furnace in counterflow to the heating gases, collecting the metal and slag in the hearth of the furnace, and removing the gases at the top of the furnace.

2,242,220
FLAW DETECTING APPARATUS
Walter C. Barnes, Lake Bluff, and Henry W. Keevil, Highland Park, Ill.
Application June 6, 1938, Serial No. 212,119
22 Claims. (Cl. 175—183)



1. Rail-magnetizing apparatus including a coil, a core within the coil and extending therefrom at one end, a link movable with respect to the core but magnetically connected thereto, and means carried by the link adapted to carry flux to the rail.

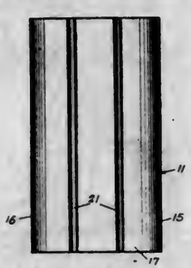
2,242,221
BRACE OR LIKE ARTICLE
Henri Joseph Bayon, Angers, France
Application September 30, 1938, Serial No. 232,636
In France August 13, 1938
5 Claims. (Cl. 241—19)



2. A brace or similar article having two shoulder-straddling branches and two rear-anchorage branches all meeting at a common junction zone substantially nearer the ends of said rear-anchorage branches than the ends of said shoulder-straddling branches, so as to permit said junction zone to be disposed at the back of the wearer when in normal use, each of said branches comprising a plurality of generally flat and uninterrupted parallel pre-formed and un-slitted textile strips generally co-extensive with the branch, the strips of each branch being sewn edge-to-edge throughout the major portion of the lengths thereof, said branches being connected to each other in said junction zone, each of said branch-forming strips extending through said junction from one branch to another and the branch-forming strips of each rear-anchorage branch being continuous with each other and forming a button-receiving and engaging loop.

2,242,222
TRACK SHOE
Virgil O. Beede, Arlington, Va.
Application October 11, 1939, Serial No. 298,969
10 Claims. (Cl. 305—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A composite track shoe including an unitary metallic insert coextensive in width with the width of the track comprised of two opposed, spaced substantially parallel, and rectangular portions joined at their adjacent transverse ends by arcuate portions, and a resilient tubular block



coextensive in longitudinal dimension with said insert secured to and transversely enclosing the same, said track shoe being open across both of its longitudinal ends; whereby thorough ventilation of the shoe is provided.

2,242,223
SURFACE WETTING AGENT AND PROCESS OF MAKING IT
Rudolph S. Bley, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 30, 1937, Serial No. 177,385
7 Claims. (Cl. 260—251)

1. The process of producing a surface-active wetting agent which comprises heating a halogenated paraffin wax with a tertiary amine below their boiling points under substantially anhydrous conditions.

2,242,224
SURFACE WETTING AGENT AND PROCESS OF MAKING IT
Rudolph S. Bley, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 30, 1937, Serial No. 177,386
8 Claims. (Cl. 260—251)

1. The process of producing a surface-active wetting agent which comprises heating a halogenated non-gaseous, aliphatic petroleum hydrocarbon with a tertiary amine below their boiling points under substantially anhydrous conditions.

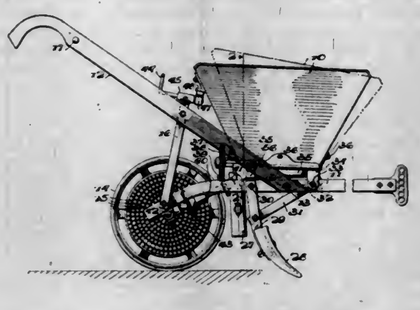
2,242,225
SPINNING PROCESS
Rudolph S. Bley, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 2, 1937, Serial No. 177,822
13 Claims. (Cl. 18—54)

1. A spin bath, adapted for use in the manufacture of regenerated cellulose, containing about 0.4 to 1.0 gram per liter of a cation-active condensation product of a halogenated hydrocarbonaceous material selected from the group consisting of crude petroleums, gasolines, kerosenes, lubricating oils, pasty petrolatums, liquid petrolatums and paraffin waxes and an organic sulphide, said condensation product being sufficiently soluble and stable in said setting bath to become cation-active therein.

2,242,226
PROCESS OF SPINNING VISCOSE
Rudolph S. Bley, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 2, 1937, Serial No. 177,823
13 Claims. (Cl. 18—54)

1. A spin bath adapted to be used in the manufacture of regenerated cellulose from viscose solutions containing about 0.4 to 1.0 gram per liter of a cation-active condensation product of a halogenated hydrocarbonaceous material selected from the group consisting of crude petroleums, gasolines, kerosenes, lubricating oils, pasty petrolatums, liquid petrolatums and paraffin waxes and a tertiary base selected from the group consisting of amines, phosphines, arsines and stibines, said condensation product being sufficiently soluble and stable in said bath to become cation-active therein.

2,242,227
FERTILIZER DISTRIBUTOR
John Blue, Jr., Laurinburg, N. C.
Application December 29, 1937, Serial No. 182,298
2 Claims. (Cl. 111—71)

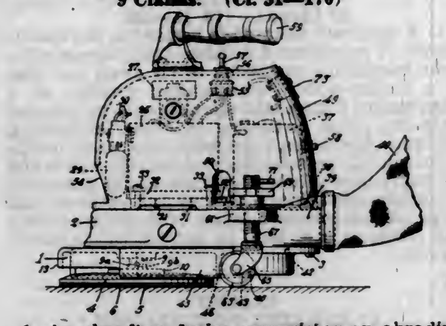


1. A fertilizer distributor comprising, in combination, a traveling frame; a hopper pivoted on the frame so as to be tiltable; means to feed fertilizer from said hopper; a blade secured to a beam which is pivoted at its upper end to the frame; a strap providing a brace for the beam and being connected to the beam and frame at its opposite ends so that its effective length is variable; and a bolt providing a pivot for the hopper and the upper connection for said strap.

2,242,228
METHOD OF MAKING CALCIUM CARBONATE
Donald B. Bradner, Hamilton, Ohio, assignor to The Champion Paper and Fibre Company, Hamilton, Ohio, a corporation of Ohio
No Drawing. Application February 9, 1939, Serial No. 255,534
9 Claims. (Cl. 23—66)

8. A method of making precipitated calcium carbonate preparations in finely divided form which comprises passing carbon dioxid gas into an aqueous suspension of hydrated lime in the presence of a small added modicum of a substance adapted to regulate and make uniform the growth of the calcium carbonate particles, said substance being selected from the class consisting of the chlorids of aluminum and ammonium, the sulfates of calcium and sodium, and barium hydroxid.

2,242,228
ABRADING DEVICE
Arthur C. Burleigh, Wellesley, Mass., assignor to Skilsaw Inc., Chicago, Ill., a corporation of Delaware
Application December 26, 1939, Serial No. 310,934
9 Claims. (Cl. 51—170)



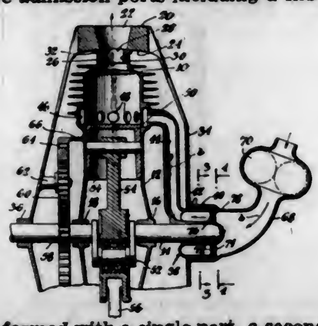
1. An abrading device comprising an abrading disc, a driving motor therefor, a fan, a driving motor therefor, a supporting device for said parts consisting of a lower section and an upper section, removably connected together, said abrading disc mounted in the lower section, a shaft for the abrading disc extending into the upper section, a motor housing for the abrading disc motor, the abrading disc motor and its housing projecting upwardly from the top of the upper section, the motor housing being removably connected with said upper section, said motor having a shaft operatively connected with the shaft of the abrading disc, a fan chamber in the upper section in which said fan is mounted, a housing for the fan motor removably connected with the upper section, the fan motor and its housing projecting above the upper section, a connection leading from the fan chamber to a point in proximity to the edge of the abrading disc.

2,242,230
PROCESS OF PRODUCING CONJUGATION IN UNCONJUGATED POLYENES
George O. Burr, Minneapolis, Minn., assignor to Regents of the University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application June 22, 1938, Serial No. 215,299
13 Claims. (Cl. 260—398)

1. A process for producing conjugation in unconjugated fatty polyene compounds which comprises treating the unconjugated polyene compound in the substantial absence of water and at an elevated temperature with an excess of a basic reagent.

2,242,231
INTERNAL COMBUSTION ENGINE
Humbert Denis Jean Canteni, Paris, France
Application February 11, 1938, Serial No. 189,924
In France February 12, 1937
6 Claims. (Cl. 123—44)

1. In a two-cycle internal combustion engine of the kind having a bank of cylinders arranged radially around the crankshaft of the engine, a circumscribing valve ring having a series of exhaust ports therein, and means providing for relative rotary motion between said cylinders and said valve ring, the combination with the aforesaid parts of air admission ports in each of said cylinders located to be covered and uncovered by movement of the pistons and means for supplying scavenging and combustion air to said admission ports comprising, a source of air under pressure, manifold structure for conveying air from said source to said air admission ports, and engine driven valve means for distributing the air in proper timed sequence to the respective admission ports including a first valve



member formed with a single port, a second valve member formed with a number of ports equal to the number of cylinders and means for rotating said valve members relative to each other at a speed ratio of unity to a number differing from the number of cylinders by one.

2,242,232
CIRCUIT BREAKER
Emil R. Cappelle, Chicago, Ill.
Application November 1, 1937, Serial No. 172,080
19 Claims. (Cl. 200—116)

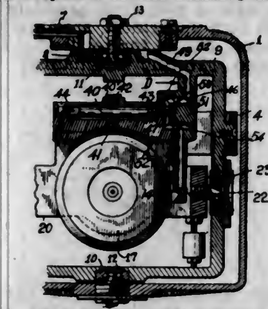


1. A circuit breaker comprising a pair of separable circuit closing contacts arranged concentrically one of said contacts being spring actuatable in an axial direction and the other comprising a plurality of flexible fingers adapted to engage the periphery of the first contact to close a circuit therethrough, an annular insulating member movable in a direction axially of said contacts from an inoperative position to a position between the contacts to move the ends of said fingers radially to release the spring actuatable contact and to open a circuit through the same, means for normally retaining said member in the inoperative position, and a thermostatic member responsive to current overloads for effecting the release of said member from said retaining means.

2,242,233
GYRO MAGNETIC COMPASS
Bert G. Carlson, Freeport, N. Y., and Bruno A. Wittkuhns, Summit, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application December 2, 1938, Serial No. 243,488
3 Claims. (Cl. 33—222)

1. In a gyro magnetic compass, a gyroscopic element comprising an air driven gyroscope having a horizontal spin axis normally in the east-west plane and mounted for three degrees of freedom, including a pair of driving jets spaced axially of the rotor, a compass element comprising magnetic means in the north-south plane supported on said gyroscope for freedom around the vertical axis, and baffle means on said magnetic

element for differentially varying the air flow to said jets in response to the relative angular dis-



placement in azimuth of said elements, whereby said gyroscope is precessed in azimuth until said displacement disappears.

2,242,234
PRODUCING SILICON STEEL SHEETS OR STRIPS
Victor W. Carpenter, Franklin, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
No Drawing. Original application January 22, 1936, Serial No. 60,347. Divided and this application October 19, 1936, Serial No. 106,372. Renewed May 25, 1939
1 Claim. (Cl. 148—31)

Silicon steel strip or sheet stock, having a carbon content not substantially exceeding .01%, characterized by the substantial absence of cementite and pearlite having a coarse grained structure of an average grain size of at least .01 inch, having freedom from coil set, a core loss which measured in the rolling direction does not vary more than 6% from that measured in any other direction, and further characterized by excellent die life, ductility and space factor, and good magnetic properties substantially approaching isotropic magnetic properties.

2,242,235
PROCESS FOR PREPARING CYCLOPROPANE
Frank C. Chase, Brooklyn, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application June 11, 1938, Serial No. 213,191
7 Claims. (Cl. 260—666)

1. In the process of preparing cyclopropane in a reactor of metal different from the reduction agent, the step of reacting a trimethylene dihalide with a metal reduction agent in an about 90–95% by volume aqueous lower aliphatic alcohol.

2,242,236
DI-AMINO-ALKYL-DISULPHOXIDES AND PROCESS FOR MAKING THEM
Walter G. Christiansen, Glen Ridge, N. J., and Morris A. Dolliver, Jackson Heights, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application June 29, 1939, Serial No. 281,902
11 Claims. (Cl. 260—583)

1. A disulphoxide of the group consisting of compounds of the general formula

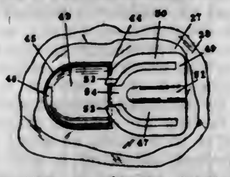
$$NH_2\text{—(lower alkyl)—}\underset{\underset{O}{\|}}{S}\text{—}\underset{\underset{O}{\|}}{S}\text{—(lower alkyl)—}NH_2$$

and acid-addition salts thereof.

2,242,237
SYNTHESIS OF 2-AMINO THIAZOLES
Walter G. Christiansen, Glen Ridge, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application January 13, 1940, Serial No. 313,793
12 Claims. (Cl. 260—302)

1. The method of preparing a 2-amino-4-Y-thiazole, which comprises reacting thiourea with an α,β-dihalo-β-Y-ethyl ester of a lower fatty acid, Y representing a member of the group consisting of hydrogen, alkyl, and aryl.

2,242,238
INTERLOCK
Donald J. Detrich, Columbus, Ohio, assignor to The Steel Storage File Company, Cleveland, Ohio, a corporation of Ohio
Application December 8, 1938, Serial No. 244,601
3 Claims. (Cl. 189—36)



1. In combination, an element having an opening therethrough; a wall formed of sheet material and having a bulged portion extending through the opening, said bulged portion having an opening in each of two opposite end walls thereof and a shoulder adjacent one of the last mentioned openings; and a locking key formed of sheet material and including a yoke, a leg extending from the yoke and through both openings in the bulged portion, the extending end of the leg frictionally engaging the element, and a section extending directly from the same side of the yoke and alongside the bulged portion and engaging said element, said section having a shoulder abutting the first mentioned shoulder when the key is in position, said section being flexible with respect to the leg so that the portion of the section having the shoulder can be raised above the bulged portion when the key is inserted and removed from locking position, said yoke, leg and section being disposed in substantially the same plane.

2,242,239
METHOD OF CENTRIFUGAL CASTING
Walter G. Donald, Cambridge, and James L. Martin, Lowell, Mass.
No Drawing. Application December 19, 1938, Serial No. 246,646
5 Claims. (Cl. 22—65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In the method of centrifugally chill casting thick-walled cast iron castings of the class having an outside diameter of four to six times the inside diameter and of appreciable length and uniform composition except as to carbon and predetermining the depth of white iron zone formed therein through regulation of the carbon content of the iron to be cast, the steps which comprise employing a horizontally disposed chill mold rotating on its longitudinal axis and having a cross-sectional area with respect to the cross-sectional area of the casting proportioned in the ratio of 6.5:1 to dissipate heat therefrom at a rate effective to control radial segregation of carbon in a casting of the class recited varying from all white iron with 2.5% carbon to substantially all gray

iron with 4.0% carbon, introducing in said mold an iron at constant temperature with a carbon content between the limits of 2.5% and 4.0% in accordance with the depth of white iron zone determined to eliminate longitudinal segregation, and maintaining rotation of the mold from the time of introduction of the iron until solidification.

2,242,240
METHOD OF CENTRIFUGAL CASTING
Walter G. Donald, Cambridge, and James L. Martin, Lowell, Mass.
No Drawing. Application December 19, 1938, Serial No. 246,647
4 Claims. (Cl. 22—65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In the method of centrifugally chill casting thick-walled cast iron castings of the class having an outside diameter of 4 to 6 times the inside diameter and of uniform composition and predetermining the depth of white iron zone formed therein through regulation of the chill ratio of the mold to the casting, the steps which comprise selecting an iron having a composition adapted to be solidified into a tubular casting of white iron having an outside diameter between the limits of 4 to 6 times as great as the inside diameter thereof, selecting a chill mold having a chill ratio with respect to the casting between the limits of

$$\frac{6.5}{1} \text{ and } \frac{1.0}{1.0}$$

in accordance with the depth of white iron zone predetermined, rotating the mold about its axis and casing said selected iron into the mold at a constant temperature.

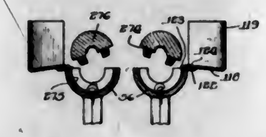
2,242,241
FRUIT TREATING APPARATUS
Mark Ewald, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg., a corporation of Oregon
Application October 14, 1932, Serial No. 637,708
Renewed April 2, 1936
44 Claims. (Cl. 146—52)



8. A coring device comprising a pad having a passage-way and engaging the flat surface of a half fruit, a coring spoon journalled in said passage-way, said coring spoon being normally disposed in said passage-way but revoluble thereout of and through a path about the core portion of such fruit, means, for revolving said spoon, and means for thereafter revolving said pad in the same direction as said spoon.

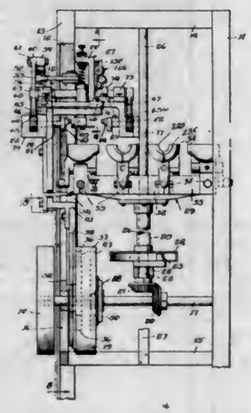
2,242,242
FRUIT TREATING APPARATUS
Mark Ewald and Henry Skog, Olympia, Wash., assignors to Special Equipment Company, Portland, Oreg., a corporation of Oregon
Application February 18, 1936, Serial No. 64,526
Renewed November 22, 1939
56 Claims. (Cl. 146—39)

1. In a fruit processing machine the combination of means providing a frame, a fruit holder movable on said frame in a horizontal path and adapted to have a half fruit positioned therein with the cut face uppermost, seed section severing mechanism, means for vertically reciprocating said seed severing mechanism including



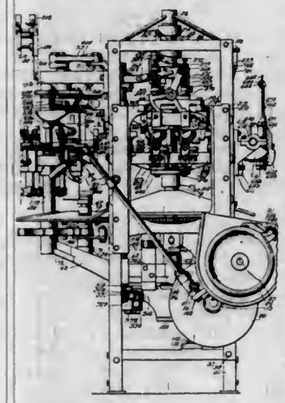
spaced apart mountings, one for each end of the seed severing mechanism and means for reciprocating said mountings including means for causing the seed severing mechanism to yield at each end independently of the other end of the mechanism as the mechanism approaches and contacts the face of the fruit.

2,242,243
FRUIT TREATING APPARATUS
Mark Ewald and Henry Skog, Olympia, Wash., assignors to Special Equipment Company, Portland, Oreg., a corporation of Oregon
Application May 7, 1936, Serial No. 78,508
Renewed November 24, 1939
38 Claims. (Cl. 146—43)



1. In a fruit treating apparatus for treating half fruit, the combination of holding means having portions adapted to contact the curved surface of a half fruit to hold it substantially stationary, auxiliary holding means including a member shaped to conform substantially to the cross-sectional area of the cut face of the half fruit and adapted to press against the cut face of the half fruit, power means for advancing said member into contact with the cut face of the fruit, including a yieldable mounting whereby said contact member may automatically yield to any one of a plurality of positions to accommodate the half fruit while pressing against the cut face of the half fruit, means for positively locking the contact member in any such position, and means for cutting into the cut face of the half fruit while so held.

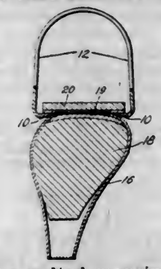
2,242,244
FRUIT TREATING APPARATUS
Mark Ewald, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg., a corporation of Oregon
Original application October 6, 1932, Serial No. 636,447. Divided and this application April 13, 1938, Serial No. 201,838
48 Claims. (Cl. 146—72)



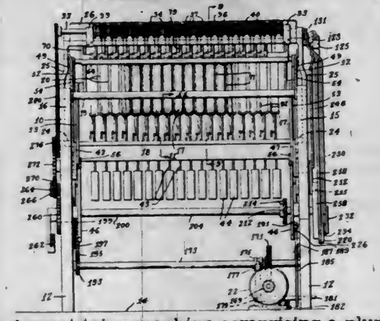
1. In a fruit treating machine, the combination of a main turret carrying a plurality of spaced apart fruit holders thereon adapted intermittently to move in a horizontal plane, fruit transporting means adapted to grasp fruit sections and to convey the same along a path intersecting the axis of rotation of said turret, fruit severing and spreading means disposed in the path of movement of said transporting means for severing a fruit into half sections, said spreading means including a plurality of wings, means for angularly shifting said wings from a vertically juxtaposed position to a horizontally extending open position whereby in said juxtaposed position a fruit section is deposited upon the outer face of each spreader, means for oscillating said spreader approximately one hundred eighty degrees whereby to deposit a fruit section in each fruit holding means on the turret, means for intermittently actuating said turret, said transporting means and said fruit spreading means in synchronism, and means mounted on said spreader means for maintaining said fruit section on said spreader means during the shifting of said spreader means from vertical to substantially horizontal position.

2,242,245
APPARATUS FOR USE IN LASTING SHOES
Joseph Fausse, Melrose, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 16, 1939, Serial No. 304,750
In Great Britain February 23, 1939
7 Claims. (Cl. 12—107)

1. A clip for use in the manufacture of prewelt shoes having arms which have inturned ends constructed and arranged to enter the welt crease at opposite sides of a prewelt upper on its last without misplacing the welt when said arms are arranged to extend generally heightwise of the upper and over the sole portion of the last, said inturned ends engaging the upper-attaching face of the welt, and said arms having operative movement toward each other to advance their inturned ends into the welt crease thereby to work the welted margin at opposite sides of the upper into lasted position.

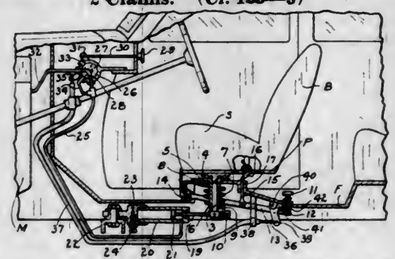


2,242,246
MEAT TYING MACHINE
William Flett, Melrose, Mass.
Application November 1, 1935, Serial No. 47,735
Renewed April 10, 1940
20 Claims. (Cl. 100—31)



1. A meat tying machine comprising a plurality of cables arranged in laterally spaced relation, means for wrapping the cables around a parcel placed in wrapping position adjacent to the cables, means for tightening the cables into compressing engagement with the parcel, means for wrapping twine around the compressed parcel and joining the twine ends while the cables hold the parcel in compressed condition, and means for causing the cable wrapping and tightening operations and the twine wrapping and joining operations to function synchronously.

2,242,247
ROTATABLE VEHICLE SEAT
Homer H. Grant, Olympia, Wash.
Application April 21, 1939, Serial No. 269,261
2 Claims. (Cl. 155—5)



1. The combination with a floor frame, a bearing sleeve supported therein, a rotative seat hav-

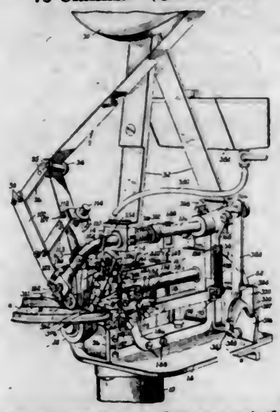
ing a pivot pin mounted in the sleeve, an operating lever rigid with the pin, and a coiled spring anchored to the frame and said lever for swinging the seat from normal position, of a spring-tripped dog pivotally mounted on the seat, a latch bar pivotally mounted beneath the floor frame, a retaining latch pivotally mounted on the bar and projecting upward into engagement with the dog, and means whereby the latch-bar and latch are depressed to release the dog and thereby permit the seat to swing from normal position.

2,242,248

MACHINE FOR REINFORCING INSOLES

Stanley M. Griswold, Newton, and Russell K. Nash, Brookline, Mass., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application September 15, 1939, Serial No. 295,116
73 Claims. (Cl. 12—20)



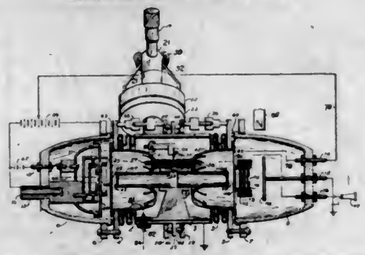
1. In a machine for applying a reinforcing strip to a ribbed insole, means for feeding the insole, a roll for applying one marginal portion of the strip to the body of the insole, means for turning the other marginal portion of the strip at right angles to the first portion, and means for forcing said other marginal portion against the inner face of the insole rib.

2,242,249

ELECTRICAL CONVERTER

Sigurd F. Varian and William W. Hansen, Stanford University, Calif., assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif., a corporation of California

Application June 18, 1938, Serial No. 214,452
15 Claims. (Cl. 250—27)



1. In an electrical converter, a pair of mutually spaced hollow internally resonant circuit members arranged to have standing electromagnetic waves therein, means for electrically coupling said circuit members, a casing for retaining said circuit members in an evacuated condition, and means without said casing and having operating linkage extending thereinto for selectively varying said coupling means and the operating frequency of said circuit members.

2,242,250

RESINOUS CONDENSATION PRODUCTS AND PROCESS OF MAKING THEM

Herbert Hönel, Vienna, and Alois Zinke, Graz, Austria, assignors, by mesne assignments, to Reichhold Chemicals, Inc., Detroit, Mich., a corporation of Delaware

No Drawing. Original application July 6, 1935, Serial No. 30,152. Divided and this application May 8, 1937, Serial No. 141,554. In Austria July 17, 1934
11 Claims. (Cl. 260—51)

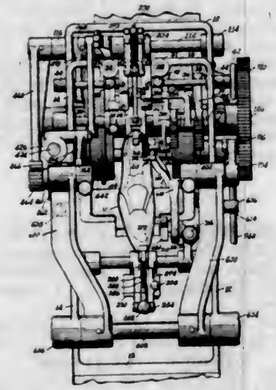
1. A process which comprises condensing together in the presence of a condensing agent capable of eliminating hydrogen halide (1) a poly-halogenated terpene and (2) a phenol in the proportion of substantially more than one molar weight of the phenol to each molar weight of the poly-halogenated terpene whereby substitution of the halogen atoms by phenolic aromatic radicals takes place with elimination of hydrogen halide, continuing the condensing action at elevated temperature until a condensation product is obtained consisting essentially of the terpene and the phenol in chemical combination in substantially the aforesaid proportion and then condensing the said condensation product with an aldehyde.

2,242,251

ASSEMBLING MACHINE

John T. Lancaster, Newton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application November 30, 1939, Serial No. 306,776
62 Claims. (Cl. 12—4)



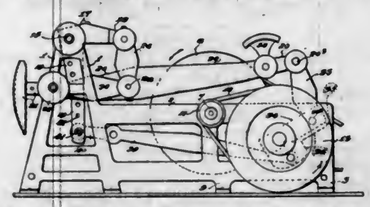
58. In an assembling machine, means for supporting an assembled lined upper and counter in a vertical position, means for moving a last into the upper to a predetermined position therein, means associated with said last moving means for centralizing said last with respect to said upper, and means for driving a tack vertically through the heel end of the upper adjacent the top margin thereof, the counter, the lining and into the last.

2,242,252

PUMPING UNIT AND POWER MACHINE

Byron S. Lightfoot, Dallas, Tex., assignor of one-half to R. E. Harding, Raymondville, Tex.

Application August 24, 1939, Serial No. 291,642
2 Claims. (Cl. 74—41)



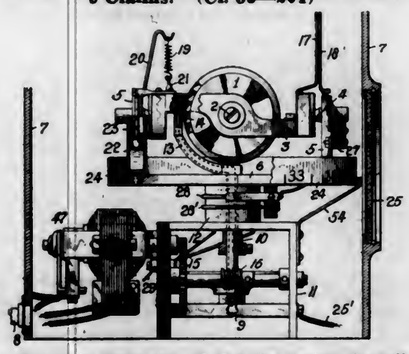
1. A pumping jack comprising a frame, a crankshaft rotatably carried by the frame, said crankshaft including an auxiliary crank pin and a main crank pin, a walking beam rockably carried by said frame, a pitman connecting the inner end of said beam to said main crank pin, a lifting head carried by the outer end of said beam, a bell-crank rockably carried by said frame, means connecting one arm of said bell-crank to said beam at a point between the fulcrum of said beam and said pitman, and a balancing link connected at one end to the other arm of said bell-crank and connected at the opposite end to said auxiliary crank pin.

2,242,253

DEVIOMETER

Joseph Lyman, Huntington, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application January 13, 1938, Serial No. 184,783
9 Claims. (Cl. 33—204)



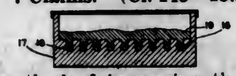
1. In an instrument of the character described for showing the direction and amount of deviation of a craft from course, a rotatable support, a constrained gyroscope mounted thereon for precession through an angle dependent upon the rate of turn of the craft, motive means to turn said support, control means including a pick-off from said gyroscope so constructed and arranged as to cause said motive means to be driven in a direction and at a rate dependent upon the direction and, at least in part, upon the extent of precession of said gyroscope so as to counteract said precession, and a course indicator rotatable with said support.

2,242,254

METHOD OF INCREASING THE HARDNESS OF FABRICATED DUCTILE METALS OF THE CHROMIUM GROUP

William E. Mansfield, Garfield Heights, Ohio, assignor, by mesne assignments, to Cleveland Tungsten, Inc., Cleveland, Ohio, a corporation of Ohio

Application December 22, 1938, Serial No. 247,218
7 Claims. (Cl. 148—13.1)



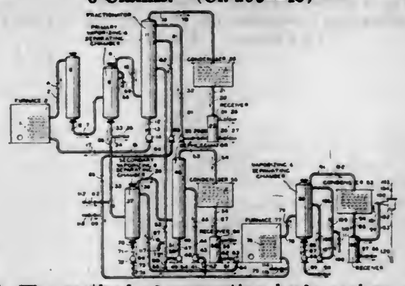
4. The method of increasing the hardness of fabricated ductile tungsten which comprises embedding the tungsten in its fabricated ductile state in a solid material comprising a carburizing substance in an amount substantially more than incidental impurities and treating the embedded tungsten in a nonoxidizing atmosphere at a temperature of 900° to 1600° C. with a sufficient amount of the carburizing substance and for a sufficient time to increase the hardness of the tungsten to a sufficient extent to scratch glass and to provide a comparatively fine grain structure in the tungsten, said atmosphere during the treating process being substantially free from vapor which reacts with tungsten to form a volatile tungsten compound.

2,242,255

CONVERSION OF HYDROCARBON OILS

Percy Mather, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application October 20, 1938, Serial No. 235,938
8 Claims. (Cl. 196—49)



1. The method of converting hydrocarbon oils into more valuable products which comprises cracking the oil at cracking temperature and under superatmospheric pressure, flash distilling the resultant mixture of liquid and vaporous conversion products and separating the vapors from residual oil, fractionating and condensing said vapors, supplying said residual oil in heated state to a second flash distilling step wherein it is distilled by its contained heat and without appreciable cracking to a heavier residual liquid, condensing the vapors evolved by said second flash distillation and supplying resulting condensate to the cracking step, removing said heavy residual liquid from the second flash distilling step, commingling regulated minor quantities of relatively light distillate therewith, quickly heating the mixture to a temperature adequate to effect substantially complete vaporization of said distillate and to effect mild cracking of said heavier liquid residue, removing the resulting heated products from the heating zone without permitting them to remain therein for a sufficient length of time to cause deleterious secondary cracking reactions, supplying said heated products to a separate

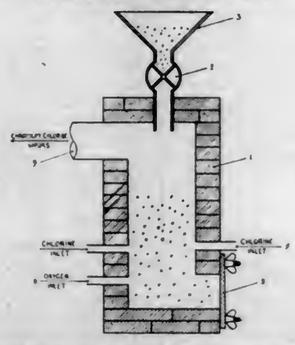
zone of low pressure vaporization and therein reducing the same, without additional heating and without substantial continued cracking, to a semi-solid residue, removing said semi-solid residue in heated fluid state from said low pressure zone, and condensing vapors evolved in the residue heating and low pressure vaporizing step to form a condensate.

2,242,256
CAP
Charles E. McManus, Spring Lake, N. J., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application July 17, 1935, Serial No. 31,902
5 Claims. (Cl. 215—39)



1. A cap suitable for sealing pressure foods and beverages comprising a metal shell, a cushion liner therein, a backing layer united to said cushion liner and a facing of chlorinated rubber on the outer surface of said backing and constituting the exposed surface of the cap.

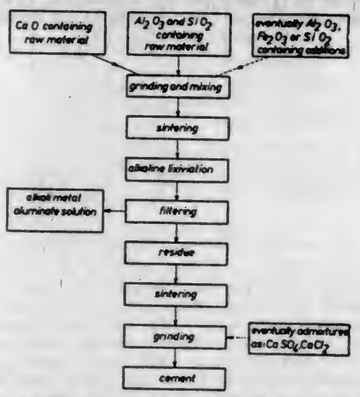
2,242,257
CHLORINATION OF CHROMIUM BEARING MATERIALS
Irving E. Muskat, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application November 30, 1939, Serial No. 306,876
13 Claims. (Cl. 75—112)



1. A method of chlorinating chromium bearing material containing at least about 10 percent chromium and containing magnesium which comprises chlorinating said material at a temperature sufficiently high to cause volatilization of magnesium chloride.

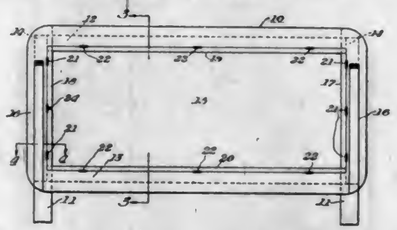
2,242,258
MANUFACTURE OF CEMENT AND ALKALI METAL ALUMINATE
Walter Noll, Cologne-Mulheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application January 12, 1939, Serial No. 250,573
In Germany January 20, 1938
11 Claims. (Cl. 106—25)

1. Process of preparing cement and alkali metal aluminate which comprises mixing a material containing aluminium oxide and silicon dioxide in a proportion of 1 mol of Al_2O_3 to about 0.6 to 6 mols of SiO_2 with a calcium compound yielding calcium oxide during calcination, whereby the mixture to be calcined is composed in such a proportion that there are present 1.8–2.2 mols of CaO to 1 mol of Al_2O_3 and in addition 1.8–2.2 mols of CaO to 1 mol of SiO_2, heating



the finely divided mixture to sintering temperature, lixiviating the calcined product by means of an aqueous solution of an alkali metal salt which yields by double decomposition a difficultly soluble calcium compound, separating the alkali metal aluminate solution obtained from the solid residue, washing the residue by means of water, heating the washed solid residue to sintering temperature and grinding to cement fineness.

2,242,259
SIGN
Ross F. Paullet, Pittsburgh, Pa.
Application March 16, 1939, Serial No. 262,127
4 Claims. (Cl. 40—125)



4. In a sign structure of the character described, the combination of a plurality of upright supports, spaced horizontal beams connecting said supports and secured against the front faces of the latter, vertical filler members secured to the supports abutting the ends of the beams, the inner edges of the beams and the filler members forming a socket with said supports, a sign panel arranged to be mounted in said socket, a frame secured to the front faces of the beams and the filler members, flaps pivotally mounted on the inner edges of said frame and arranged when swung into overlapping engagement with the panel to fall in the plane of the frame and retain the panel in the socket, and locking means extending through one of the flaps, the panel and a support to prevent unauthorized removal of the panel.

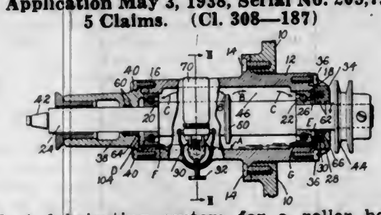
2,242,260
LUBRICATING COMPOSITION
Carl F. Prutton, East Cleveland, Ohio, assignor, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application January 22, 1937, Serial No. 121,827
7 Claims. (Cl. 252—48)

1. A lubricating composition comprising a halogenated aromatic thiophosphate.

2,242,261
CLEANING AND POLISHING COMPOSITION
Jacob Ratner, Brooklyn, N. Y.
No Drawing. Application April 23, 1936, Serial No. 76,079
7 Claims. (Cl. 134—79)

1. A polishing composition for use on surfaces carrying cellulose ester coatings to prevent cracking of said coatings and to remove grease and scratches therefrom, said composition containing a solid film-forming agent selected from the group consisting of a cellulose ester and a polybasic acid-polyhydric alcohol type resin in an amount not exceeding 5%, a volatile cellulose ester solvent in an amount insufficient to injure the cellulose ester coating, a lubricity agent selected from the group consisting of glyceride oils and fatty acids of glyceride oils, and a diluting agent selected from the group consisting of liquid chlorinated hydrocarbons and light liquid hydrocarbons.

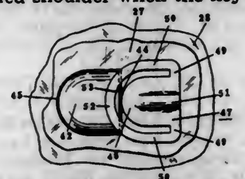
2,242,262
LUBRICATING DEVICE
Eugene J. Ray, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 3, 1938, Serial No. 205,750
5 Claims. (Cl. 308—187)



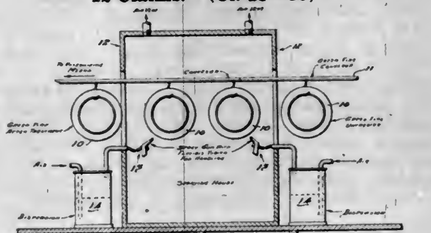
2. A lubricating system for a roller bearing carrying a high speed shaft having, in combination, a housing surrounding said bearing and shaft and arranged to contain a supply of liquid lubricant in its lower portion, and a rotary turbulator in the housing and located out of contact with the liquid lubricant therein, said turbulator causing a rapid passing of air across the surface of the liquid lubricant whereby minute particles thereof are picked up, mixed with the air and circulated solely as a vapor or "fog" in the housing and in the bearing.

2,242,263
INTERLOCK
Walter F. Regenhardt, Cleveland, Ohio
Application November 12, 1938, Serial No. 240,178
4 Claims. (Cl. 189—36)

1. In combination, an element having an opening therethrough; a wall formed of sheet material and having a bulged portion, said portion extending through the opening and having an opening in one end thereof and a shoulder opposite the last mentioned opening; and a key for locking the bulged portion in the first mentioned opening, said key comprising a member formed of resilient sheet material and having a yoke, a leg extending from the yoke and in the second mentioned opening when the key is in locking position, and a section extending directly from the same side of the yoke and alongside the leg, said section having a shoulder for abutting the first mentioned shoulder when the key is in locking position, said yoke, leg and section being disposed substantially in the same plane, said section being flexible with respect to the leg so that the portion of the section including the second mentioned shoulder can be raised over the bulged portion when the leg is inserted or removed from the second mentioned opening.

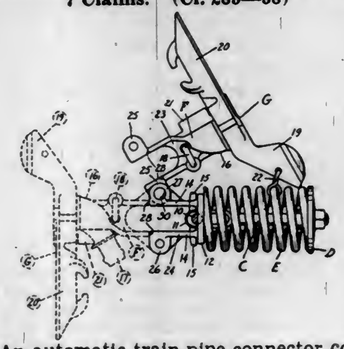


2,242,264
TREATMENT OF RUBBER TIRES
George L. Roberts, Charleston, W. Va.
Application April 17, 1939, Serial No. 268,339
12 Claims. (Cl. 18—53)



4. A method of finishing the surfaces of uncured rubber objects which comprises providing the external surfaces thereof with a coating comprising a dispersion of carbon black in a fluid dispersion medium, subsequently permitting said coating to set and vulcanizing the uncured rubber object thus coated.

2,242,265
AUTOMATIC TRAIN PIPE CONNECTOR
Joseph Robinson, New York, N. Y.
Application January 3, 1939, Serial No. 248,988
7 Claims. (Cl. 285—58)



1. An automatic train pipe connector compris-

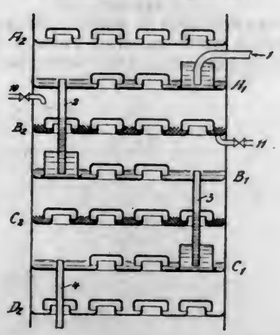
ing, in combination, a coupling head, a horizontally disposed forwardly extending supporting member for said head and to which the head is connected, resilient means urging said head forward and cooperating with said member to yieldingly support the head, a train pipe hose, and means for permitting a part of said supporting member to be folded back on itself without moving said resilient means to carry said head rearwardly out of the field occupied by said hose when the latter is coupled to a companion hose.

2,242,266
TERMITE SHIELD CONNECTOR
Walter H. Scales, New Orleans, La., assignor, by mesne assignments, to Timber Engineering Company, Washington, D. C., a corporation of Delaware
Application February 21, 1940, Serial No. 320,180
3 Claims. (Cl. 72—0.5)



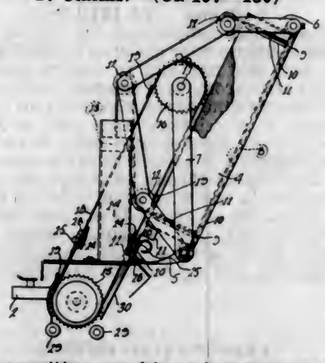
1. A connector for forming a termite tight joint between termite shield plate members, said connector comprising: strips of metal rigidly united at their central longitudinal portions; one of said strips being formed with a relatively narrow portion offset from the general plane of the strip; said offset portion in contact with the central portion of the remaining strip to provide the area of union between the strips; the inwardly facing surfaces of both strips, laterally of said offset portion to the edges of the strips presenting plane unobstructed surfaces whereby the assembled strips present unobstructed, oppositely facing, edgewise-opening channels; the amount of said offset determining the width of opening of said channels and being substantially equal to the thickness of the plates to be connected.

2,242,267
APPARATUS FOR AND METHOD OF OBTAINING OR SEPARATING VOLATILE SUBSTANCES FROM SOLUTIONS CONTAINING THE SAME
Max Seidel, Solln, near Munich, Germany
Application July 6, 1938, Serial No. 217,828
In Germany August 3, 1937
8 Claims. (Cl. 202—67)



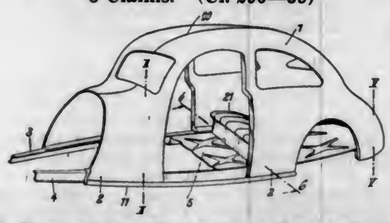
1. In a method of separating volatile substances contained in solutions, the steps which comprise alternately rectifying a solution containing the volatile substances, causing the vapor produced in the rectifying step to contact with an appropriate absorption medium to remove the desired volatile substance in said vapor, said absorption medium being a substance which absorbs, adsorbs, or chemically combines with the desired vaporous substance, the flow of the solution being countercurrent to the path of travel of the vapor, and removing the absorption medium when saturated with the desired volatile substance.

2,242,268
TYPEWRITER ATTACHMENT
John Q. Sherman, Dayton, Ohio; Katherine M. Sherman, William C. Sherman and Wellmore B. Turner executors of said John Q. Sherman, deceased
Application January 9, 1939, Serial No. 249,955
17 Claims. (Cl. 197—130)



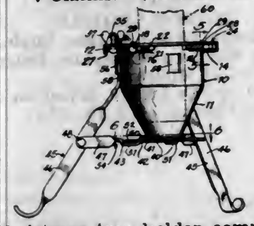
5. In a writing machine wherein separate independent record sheets are successively advanced from a supply packet and progressively fed about a rotary platen roll and past a writing position, a box-like container for a supply of sheets, a traveling friction member engageable with the topmost sheet for ejecting the sheet from the supply thereof into position for positive advancement about the platen roll, and a positive feeding means having interengaging feeding relation with the sheet subsequent to its ejectment from the supply and operative to positively advance the ejected sheet relative to the platen roll and present a prescribed portion thereof in registry and aligned relation at the writing position.

2,242,269
AUTOMOBILE
Oskar Siebler, Chemnitz, Germany
Application June 27, 1938, Serial No. 216,041
In Germany June 28, 1937
5 Claims. (Cl. 296—35)



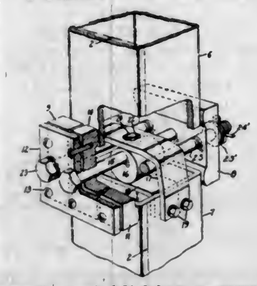
1. In an automobile having a thin-walled body structure consisting of a synthetic resin saturated material and open at the bottom to form downwardly extending bottom edge portions and a chassis-frame including longitudinal frame members and a transverse floor member bracing said longitudinal frame members and having a rear portion extending beyond said longitudinal frame members; a connecting member extending inwardly and substantially at right angles to said bottom edge portions, said connecting member being connected with said longitudinal frame members and with said bottom edge portions along its entire length; and a vertical layer of synthetic resin adhesive means carried by the rear portion of the transverse floor member and positively and directly contacting said bottom edge portions continuously throughout the entire length of those parts of the bottom edge portions which are situated opposite said rear portion of the transverse floor member.

2,242,270
SUPPORT
Clark D. Sims, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application August 17, 1938, Serial No. 225,384
7 Claims. (Cl. 248—48)



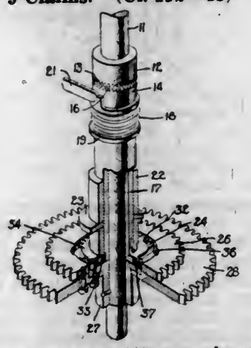
5. A Christmas tree holder comprising a cup member, movable jaws carried by said cup member, an annular member rotatably mounted on said cup member and disposed adjacent said jaws, said annular member having cam slots, said jaws having lugs in said slots, readily accessible means carried by one of said members and engageable with the other member to releasably prevent rotation of said member and thereby secure said jaws in the desired adjustment, and a handle carried by said annular member for convenient manipulation thereof.

2,242,271
CONNECTING DEVICE
Benjamin E. Spiro, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York
Application May 11, 1940, Serial No. 334,567
8 Claims. (Cl. 200—163)



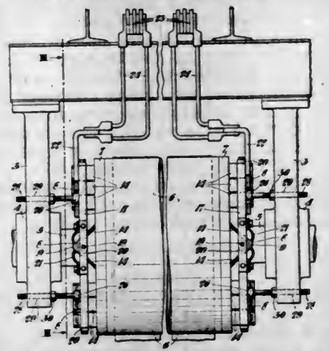
1. Means for establishing a current conducting connection between the ends of two spaced conductors comprising two bridging contacts and means for supporting and effecting movement of said contacts to bridge the space between said conductors rotatably mounted on one of said conductors and extending across the space between the ends of the conductors, said rotatably mounted means including means for effecting translatory movement from rotary movement, and means for effecting translatory movement of said contacts toward said conductors adapted to hold the contacts in current conducting relation with the conductors.

2,242,272
POWER TRANSMITTING DEVICE
Carl W. Swan, Chicago, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application May 31, 1938, Serial No. 210,816
9 Claims. (Cl. 192—48)



1. In a power transmitting mechanism, a continuously rotating shaft, a work performing assembly supported by said shaft, unidirectionally operable means for establishing driving connection between said shaft and said assembly, and means for limiting the rotational velocity of said assembly to that of said shaft.

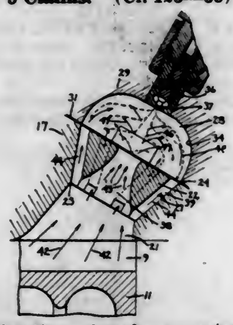
2,242,273
ELECTRICAL CONDUCTOR
Ewart S. Taylerson, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application April 28, 1939, Serial No. 270,706
4 Claims. (Cl. 173—324)



1. An electrical conductor comprising a resiliently mounted plate, a plurality of brush holders pivotally mounted thereon, and a laminated brush carried by each of said brush holders and providing portions extending divergently therefrom, the outer ends of the laminae of said

brushes terminating in a plane which is substantially parallel to that of the said resiliently mounted plate.

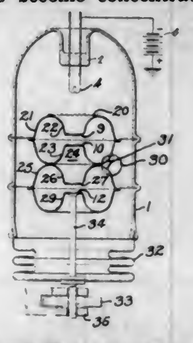
2,242,274
COMBUSTION CHAMBER FOR INTERNAL COMBUSTION ENGINES
John Thysse, Alameda, Calif.
Application September 1, 1937, Serial No. 161,993
5 Claims. (Cl. 123—33)



5. A combustion chamber construction for a Diesel type engine including an engine cylinder and a piston reciprocally mounted therein comprising, means providing a generally elongated chamber opening at one end to the head end of said cylinder and formed with an inverted substantially spherical dome shaped outer end and providing substantially the entire compressed air space in the top dead center position of said piston, fuel injection means adapted to direct a stream of oil into said chamber substantially axially from said outer end and providing a stream having a relatively small angle of divergence, the walls of said chamber at a portion intermediate the length thereof being divergently tapered in the direction of said outer chamber end, a frustro-conical member having the sides thereof tapered in conformity to the taper of said wall portion and fitted into said wall portion to separate said chamber into inner and outer portions each of substantial volume, said member having a central passage therethrough in substantially axial alignment with the axis of said chamber and said fuel injection means, and passage means providing a plurality of circumferentially spaced passages surrounding said center opening in said member and substantially paralleling and adjacent to the tapered sides of said member and chamber wall portion so as to communicate the inner and outer chamber portions, said last named passages opening into said outer chamber portion substantially tangentially to the dome shaped outer end whereby gases passing outwardly through said passages will be curved inwardly towards the axis of said chamber, said last named passages each having a smaller cross-sectional area than said center opening.

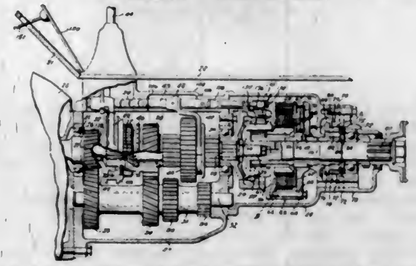
2,242,275
ELECTRICAL TRANSLATING SYSTEM AND METHOD
Russell H. Varian, Stanford University, Calif., assignor to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif., a corporation of California
Application October 11, 1937, Serial No. 168,355
23 Claims. (Cl. 250—27)

8. Apparatus of the character described having, in combination, means for creating an electron stream, means for causing the electrons of the stream to become concentrated in groups,



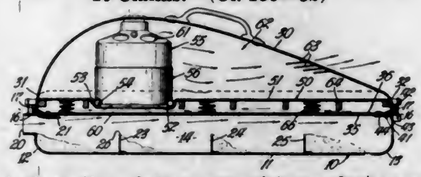
and means comprising a space-resonant device for absorbing energy from the groups.

2,242,276
MOTOR VEHICLE
Jesse G. Vincent, Grosse Pointe, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 7, 1939, Serial No. 260,403
20 Claims. (Cl. 74—328)



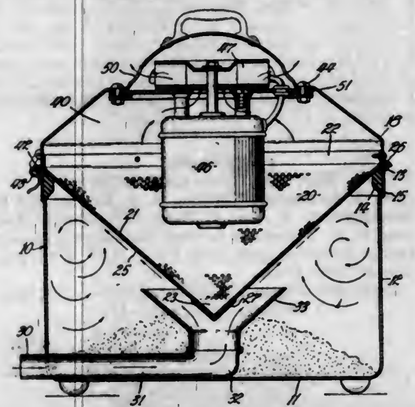
1. In a power transmitting mechanism, a change speed gearing tail shaft operable at a plurality of driving speeds, a driven shaft, planetary gearing drivingly connecting said shafts, a clutch operable to lock or release said planetary gearing, an overrunning brake operable to lock or release a portion of said planetary gearing and movable into and out of effective position, and a fluid pressure system operable to control the positions of said clutch and brake.

2,242,277
SUCTION CLEANER
Edward H. Yonkers, Jr., Glencoe, Ill.
Application March 1, 1940, Serial No. 321,681
16 Claims. (Cl. 183—52)



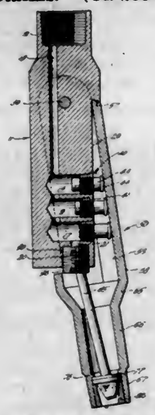
1. A suction cleaner comprising a dust receptacle having an intake for dirt-laden air therein and having a filter assembly forming at least part of one of the walls thereof, said assembly including a rigid perforated backing member and a sheet of porous paper so shaped as to have substantially straight parallel linear elements in one direction, said intake discharging the air blast in said one direction contiguous to and along the surface of said paper, and means for generating a suction to pull air through said paper from said receptacle, whereby dirt particles in said air blast tend to travel in a substantially straight line along the filter surface to scrub the same.

2,242,278
SUCTION CLEANER
Edward H. Yonkers, Jr., Glencoe, Ill.
Application April 19, 1940, Serial No. 330,572
14 Claims. (Cl. 183—37)



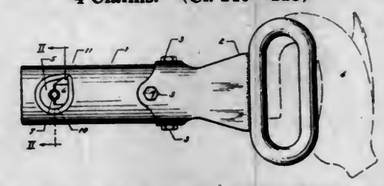
7. In a suction cleaner, a generally conical filter element consisting of porous paper, said paper being fragile enough to be torn by direct impact of dirt in a suction stream and having a tip portion of heavy non-porous material.

2,242,279
HYDRAULIC KNUCKLE
Clarence P. Young, Bellflower, Calif.
Application February 9, 1940, Serial No. 318,046
17 Claims. (Cl. 285—93)



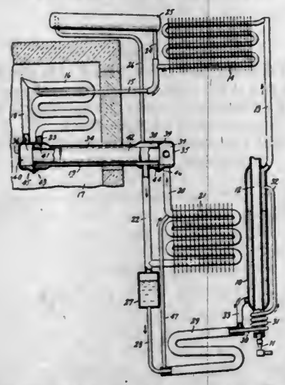
1. A hydraulic knuckle including in combination a knuckle block, an arm hinged thereto, the knuckle block having a passage for flow of liquid, the arm having a seal remote from the axis of the hinge and a tilting flexible piping connection from the said block spaced from the hinge of the arm to and through the said seal to transmit hydraulic pressure from above the block to below the said seal.

2,242,280
SWEDGING TOOL
Alfred Henry Adams, Burbank, Donald Murphy, Glendale, and Silas E. Williams, Burbank, Calif.
Application February 24, 1939, Serial No. 258,258
4 Claims. (Cl. 140—113)



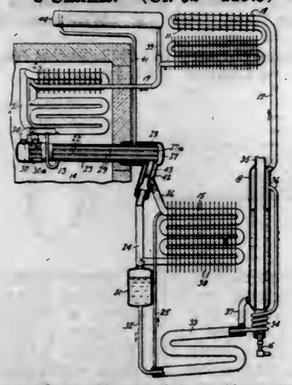
1. In combination with a compressed air hammer, a swedging device comprising a frame movable relative to said hammer, a stationary die element supported by the frame, a movable die element aligned with said hammer to receive impacts therefrom, an opening extending transversely through said frame for placing work between said die elements, and means for operating said swedging device from said compressed air hammer such that said movable die element will exert a rapid hammering action upon the work.

2,242,281
REFRIGERATION
Nils Albert Algren and Bengt Reistad, Stockholm, Sweden, assignors, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 19, 1940, Serial No. 330,450
In Germany May 30, 1939
14 Claims. (Cl. 62—119.5)



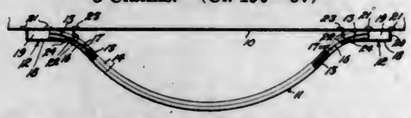
1. In a refrigeration system including an evaporator and an absorber and containing auxiliary gas, a heat exchanger which conducts in heat exchange relation substantially horizontal streams of gas flowing in opposite directions between said evaporator and absorber and having a liquid holding pit common to said gas streams, an overflow for liquid from said pit, and a partition projecting downward into said pit below the level of said overflow and formed to permit movement of liquid in said pit from one side to the other of said partition while obstructing flow of gas therethrough when liquis is contained in said pit.

2,242,282
REFRIGERATION
Harry K. Bergholm, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Application April 15, 1940, Serial No. 329,637
In Germany June 21, 1939
8 Claims. (Cl. 62—119.5)



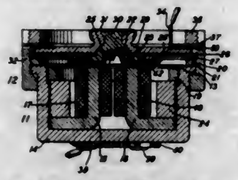
1. In an absorption refrigeration system having an evaporator, absorber, and a substantially horizontal gas heat exchanger connected to provide a circuit for circulation of gas, said gas heat exchanger providing paths of flow for two streams of gas flowing out of contact with each other, a member enveloping a part of said gas heat exchanger forming a portion of one of said paths and serving as a portion of the other of said paths structure associated with the lower part of said member and said horizontal gas heat exchanger constructed and arranged to form separated spaces each serving as a portion of one of said paths of flow and also provide a liquid drain from one space to the other space in which liquid accumulates to provide a liquid seal between the spaces.

2,242,283
HANDLE FOR PORTABLE ARTICLES
Henry Allen Avery, Groton, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application January 6, 1939, Serial No. 249,562
3 Claims. (Cl. 190—57)



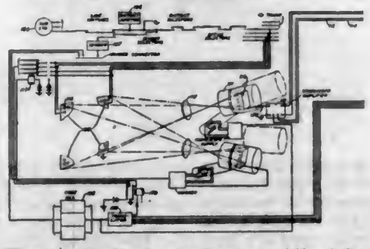
1. The combination with a manually carriable article, of an elongated and inherently self-straightening carrying handle for said article comprising a flat thin steel spring strip enclosed in a flexible cover and resiliently bendable to arch the handle relatively to the article for use and having therein a pair of longitudinally extending and aligned closed slots through the steel strip each spaced a substantial distance from a different end of the handle the ends of the cover for said strip being slotted at its ends in register with the slots in the steel strip the end portions of the handle from the inner ends of the slots to the ends of the handle having greater flexibility than the non-slotted body of the handle between said inner ends of said slots, and a spaced pair of handle anchor boxes fixedly held to the article and each having an open end facing toward the other box for sliding engagement of the handle in said boxes to permit straightening of the handle and arching of the handle between said boxes for use, said handle boxes being so spaced longitudinally of the handle and of such length that each handle slot extends for a substantial part of its length within the adjacent anchor box when the handle is straightened, and each handle box having a narrow angular arm of less width than the adjacent handle slot and extending from the top of the anchor box a substantial distance toward the other anchor box and thence through the adjacent handle slot toward the article and anchored to the article to form stops spaced outward from the forward edges of the anchor boxes, the said arms entering the slots when the handle is arched to cause the upper surface of the handle to contact the forward edges of the anchor boxes inward from said stops and bind the more flexible ends of the handle on the surface of the article to which the handle is attached.

2,242,284
MECHANICAL AMPLIFIER
Arthur F. Bennett, Millburn, N. J., Robert E. Polk, Brooklyn, N. Y., and William L. Tuffnell, Madison, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 14, 1938, Serial No. 207,980
3 Claims. (Cl. 179—171)



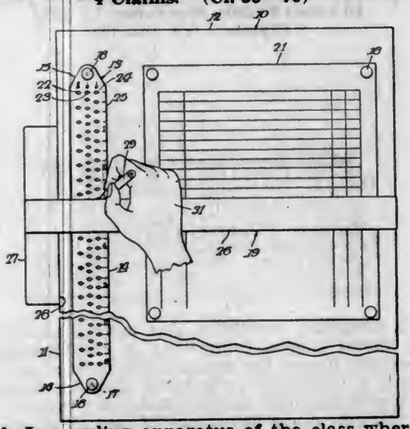
1. A mechanical amplifier comprising a receiver element including a magnet in a magnetic casing, a transmitter element, a common metallic diaphragm for the elements bowed slightly toward the receiver element with its unclamped periphery conductively contacting the casing and maintained in position between the elements by the attraction of the magnet, a magnetic electrode for the transmitter element secured to the diaphragm and forming a path of low reluctance for the flux of the magnet, and means for clamping the elements together in a unitary assembly.

2,242,285
TELEPHONE SYSTEM
Otto B. Blackwell, Plandome, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 23, 1940, Serial No. 315,149
8 Claims. (Cl. 179—18)



1. The method of selecting an idle telephone trunk which comprises lighting lamps corresponding to idle trunks in a lamp bank, scanning an image of said bank by means of an iconoscope and operating trunk identifying means in accordance with the position of the iconoscope beam when it traverses the image of a lighted lamp.

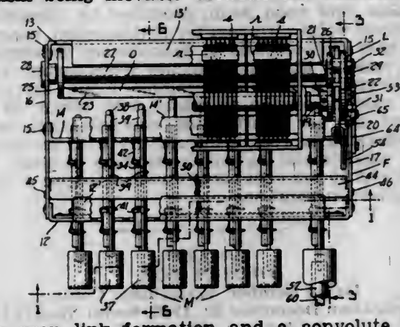
2,242,286
RULING APPARATUS
Frank E. Boughton, Chicago, Ill.
Application October 6, 1938, Serial No. 233,563
4 Claims. (Cl. 33—76)



1. In a ruling apparatus of the class wherein a T-square is moved to successive parallel positions over a sheet of drawing paper mounted on a drafting board, the combination with said T-square of a spacing rule having a row of spaced ruling instrument centering openings therethrough extending longitudinally of the rule, each opening having edges converging toward a point and intersecting on an imaginary line extending transversely of the rule for centering the point of the ruling instrument, said rule being mounted on the board parallel to one edge thereof, and said T-square having its head movable along the named edge of the board so that its blade will extend across the rule and the drawing paper and will be successively positioned by engagement with the point of the ruling instrument centered in said openings.

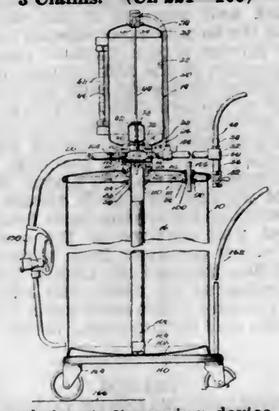
2,242,287
RADIO STATION SELECTOR
Samuel Cohen, Brooklyn, N. Y., and Earl H. Allen, Fanwood, N. J., assignors, by mesne assignments, to Condenser Development Corporation, Newark, N. J., a corporation of New Jersey
Application March 4, 1938, Serial No. 193,886
2 Claims. (Cl. 74—10)

1. In a radio station selector, a station tuning device having a stator and a rotor, said rotor being movable over a relatively large arc, a rotatable operating member selectively operable by selective actuation of a plurality of manuals, said operating member being movable over a relatively small arc, and a three-element motion-multiplying linkage mechanism connecting said operating member with said rotor, the outer elements of said linkage mechanism being connected at their outer ends to said operating member and rotor and the intervening element of said linkage mechanism being pivotally connected to said outer elements, and a tensioning means in parallel with said intervening element coupling together said outer elements, said linkage mechanism being movable between the extremes of



an open link formation and a convolute link formation.

2,242,288
LUBRICATING APPARATUS
Ernest W. Davis, Oak Park, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application September 18, 1937, Serial No. 164,463
3 Claims. (Cl. 221—100)



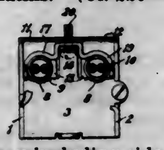
1. In a lubricant dispensing device, the combination of a lubricant metering chamber having a lubricant inlet and outlet at the lower end thereof and a pressure fluid inlet and outlet at the upper end thereof, a source of fluid under pressure, an ejector having its pressure inlet connected to said source and having its subatmospheric inlet connected to the top of said chamber, a manually operable valve in the exhaust passageway of said ejector to control discharge of pressure fluid from said ejector, and float controlled valve means responsive to the liquid level in said metering chamber to close said pressure fluid inlet and outlet at the upper end of said chamber when said chamber is substantially full of lubricant, and to close said combined inlet and outlet at the lower end of said chamber when the level of the lubricant in said chamber drops below a predetermined level.

2,242,289
METHOD OF PREPARATION OF A SOAP
William W. De Laney, Marshallton, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 30, 1938, Serial No. 216,756
6 Claims. (Cl. 260—105)

1. A method of preparing a soap solution which

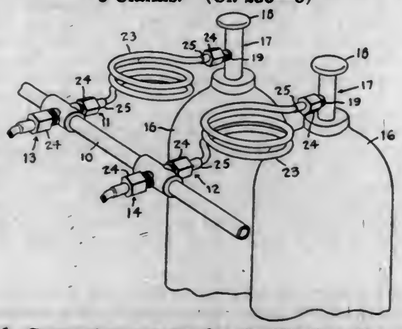
comprises dispersing in water a gasoline-insoluble pine wood resin, produced by extracting resinous wood with coal tar hydrocarbon, removing said hydrocarbon by evaporation, extracting the residue with a petroleum hydrocarbon and recovering a gasoline-insoluble resin, carrying out said dispersion in water with about 10 to about 60 per cent solids concentration, and saponifying at room temperature with an aqueous alkali metal hydroxide solution of about 20 to about 50 per cent concentration to give a substantially neutral soap.

2,242,290
OUTLET BOX
David Dember, Waterbury, Conn.
Application December 30, 1939, Serial No. 311,758
3 Claims. (Cl. 220—3.2)



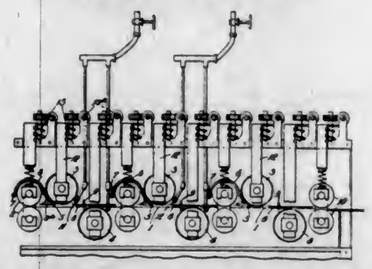
2. An outlet box including side walls, end walls and a back wall, portions of the end wall and portions of the back being co-operatively bent inwardly to provide a pair of spaced angular seats for the reception of the end portions of a pair of armored cables, said seats each having an apertured base or bottom through which the wires from the cable may enter into the box, each of said seats also including an arched wall portion against which the cable is clamped, a tongue formed between the seats, a clamp located externally of the box for simultaneously engaging the two cables and clamping them firmly against the arched wall portions of the seats, and a clamping screw operative from within the box and extending through the tongue between the seats for engaging the clamp and adjusting the clamping pressure of the same against the armor of the cables held by said clamp on the seats.

2,242,291
GAS STORAGE CYLINDER CONNECTION
George M. Deming, East Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application May 25, 1939, Serial No. 275,579
3 Claims. (Cl. 285—8)



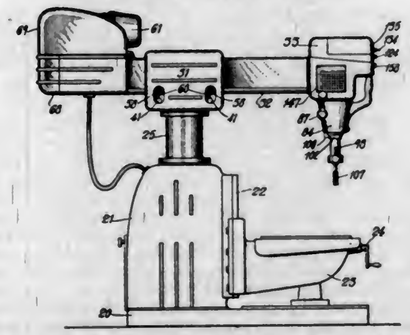
1. Connector means for facilitating the connection of a fixed take-off pipe with gas storage cylinders of various heights, said means including tubing forming a substantially cylindrical spiral having a plurality of convolutions and arranged with the axis of the convolutions extending substantially vertically and the convolutions spaced apart whereby pressure on the convolutions adjusts a free end of the tubing up and down while maintaining said free end substantially horizontal.

2,242,292
APPARATUS FOR CLEANING AND BUFFING METAL SHEETS
George Richard Denton, London, England
Application September 18, 1937, Serial No. 164,443
In Great Britain September 21, 1936
2 Claims. (Cl. 15—77)



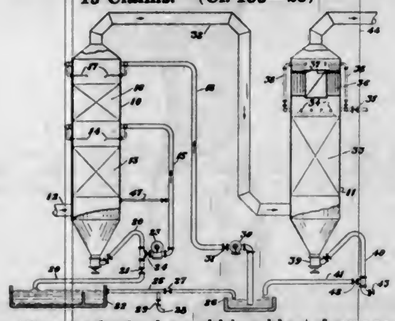
1. Cleaning, scrubbing and buffing apparatus for metal sheets, comprising in combination a bedplate, means for advancing a sheet along the same, a transverse cylindrical cleaning element disposed adjacent said bedplate, for rotation in opposition to the movement of said sheet, and a transverse guide blade projecting into the angle between the periphery of said cleaning element and said bedplate and bearing on the latter to hold against it the leading edge of said sheet and prevent buckling thereof by said cleaning element, said guide blade being carried by a bowed arm swingable about a transverse axis arranged above the approaching sheet to hold down the leading edge of the same as it passes under said cleaning element.

2,242,293
SCREW TAPPING MACHINE
James A. Eden and Harry Phillips, Springfield, Mass., assignors to Baush Machine Tool Company, Springfield, Mass., a corporation of Massachusetts
Application July 5, 1940, Serial No. 344,102
20 Claims. (Cl. 10—129)



1. Apparatus for tapping which comprises a driving head to rotate and advance a tap holding spindle, a tap holding spindle rotatably mounted in said head and rotatable on its axis relative to said head and means to support said head to move freely in a plane transversely of said spindle during the rotation of said spindle.

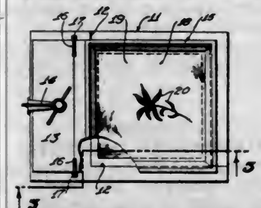
2,242,294
GAS WASHING MEANS AND METHOD
Gordon Fox, Alfred J. Ebner, and Owen R. Rice, Chicago, Ill., assignors to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Application May 16, 1938, Serial No. 208,208
15 Claims. (Cl. 183—23)



1. The method of scrubbing blast furnace gas which consists of mixing such gas with water, which water is at a temperature to produce copious evaporation, and impinging said gas against fixed dust collecting surfaces wetted with said water to increase the moisture content of said gas and thereafter exposing said gas in a placid flow in a vertical direction to extend smooth surfaces wetted with cooler water to cause condensation from said gas.

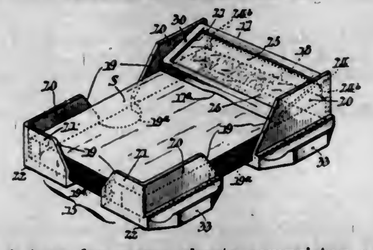
6. In gas cleaning means, in combination, a gas washing tower, hurdles therein, means for subjecting hot dirty gas to a recirculation of hot dirty water to increase the moisture content of said gas, means for cooling said gas to about its dew point after said gas has been subjected to said hot dirty water, and condenser means for treating said cooled gas, said condenser means having vertical water-wetted surfaces for condensing said cooled gas.

2,242,295
PROCESS FOR PRINTING ON CLOTH
Robert F. Foard, Los Angeles, Calif.
Application January 20, 1939, Serial No. 251,958
3 Claims. (Cl. 101—426)



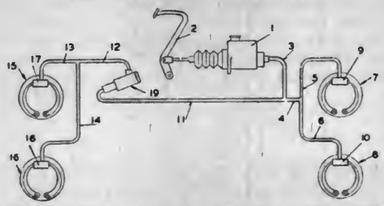
3. A process of printing on cloth, characterized by: applying sufficient dye having adhesive characteristics to a cloth and a relatively stiff backing member to cause the cloth to adhere to said backing member for subsequent handling; screen dye printing certain areas to effect uniform color distribution thereover; and press dye printing other areas to effect non-uniform color distribution thereover, said cloth being adhered to said backing member in the course of one of said printing steps.

2,242,296
LOOSE-LEAF MEMO TRAY AND THE LIKE
Allan Fraser, Brooklyn, N. Y.
Application October 20, 1939, Serial No. 300,289
5 Claims. (Cl. 129—26)



1. A tray for memo sheets comprising a bottom with an upstanding wall, and a partial cover movably mounted in one end of said tray, to overlie and normally press on the sheets in the tray, and having a label-holder with a side opening for insertion and removal of labels that is ordinarily blocked by the upstanding tray wall, but is exposed above the edge of the wall for insertion or removal of a label when the cover is in special position therefor.

2,242,297
RATIO CHANGING MEANS FOR FLUID-ACTUATED BRAKES
Walter R. Freeman, University City, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application September 2, 1939, Serial No. 293,176
17 Claims. (Cl. 188—152)

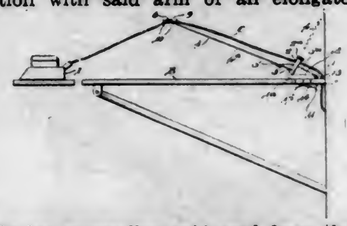


1. In fluid pressure braking apparatus for a vehicle, a plurality of brakes, means for actuating the brakes comprising a source of pressure, a fluid motor associated with each brake and conduit means for connecting said motors to the source of pressure to permit fluid under uniform pressure to be supplied to the motors, and means associated with the conduit means leading to the fluid motor of one brake and operable automatically in response to deceleration of the vehicle for causing the fluid pressure being increasingly applied by the source to said motor to increase at a different rate than the fluid pressure applied by said source to another motor of the brakes and the fluid pressure in the said fluid motor of the one brake to be different than the fluid pressure in said other fluid motor of the brakes for each value of fluid pressure applied regardless of the period of time said pressure is being applied.

2,242,298
IRONING CORD CARRY ARM
Edward S. Halsey, Arlington, Va.
Application July 30, 1938, Serial No. 222,263
4 Claims. (Cl. 248—51)

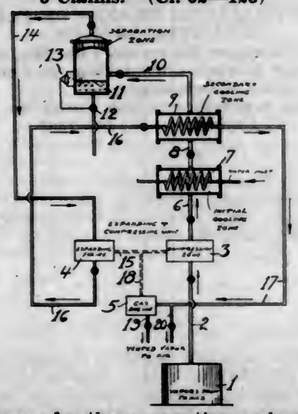
4. In an ironing cord holder of the class where-

in the cord is connected between its ends to the upper end of a swinging arm of substantially inverted V-form and wherein the arm is yieldingly held in a substantially upright position, the combination with said arm of an elongated wire



cradle for suspending said cord from the upper end of said arm, said cradle being pivoted between its ends to the upper end of said arm, and said cradle being normally horizontally disposed and adapted to swing between the sides of said arm.

2,242,299
VAPOR RECOVERY SYSTEM
Paul J. Harrington, Mountainside, and George D. Priestman, Hillside, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application May 15, 1940, Serial No. 335,402
5 Claims. (Cl. 62—123)



1. Process for the segregation and recovery of vaporized constituents from a feed gas mixture comprising compressing the feed gas mixture in a compression zone, cooling the compressed feed gas mixture in an initial cooling zone, further cooling the partially cooled feed gas mixture in a secondary cooling zone, passing the cooled feed gas mixture to a separation zone wherein a separation is made between liquid condensate and uncondensed gases, expanding said uncondensed gases under conditions whereby the evolved energy is utilized for the compression of said feed gas mixture in said compression zone, and whereby the temperature of said uncondensed gases is materially lowered, passing the expanded relatively cold uncondensed gases in heat exchange with said feed gas mixture in said secondary cooling zone, withdrawing said expanded cooled uncondensed gas from said secondary cooling zone and burning the same in a gas combustion engine under conditions whereby the expended energy is utilized for the compression of said feed gas mixture in said compression zone and recovering liquid condensate from said separation zone.

2,242,300
CARCASS TREATMENT
Andrew S. Hartanov, Chicago, Ill., assignor to Swift and Company, Chicago, Ill., a corporation of Illinois
Application August 12, 1938, Serial No. 224,606
3 Claims. (Cl. 99—174)



3. A method of treating skinned edible animal carcasses and large subdivisions thereof which comprises applying a brine moistened cloth to the warm carcass, partially chilling the clothed carcass, removing the cloth, then promptly applying a covering of transparent cellulosic material and holding the cellulosic material in intimate contact with the surface of the carcass by a tight cloth.

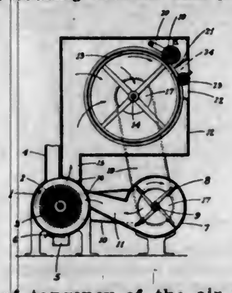
2,242,301
COLORING MATTER OF THE PHTHALOCYANINE TYPE
Isidor Morris Heilbron, London, Francis Irving, Manchester, and Reginald Patrick Linstead, Sheffield, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 14, 1936, Serial No. 79,813, which is a division of application Serial No. 698,216, November 15, 1933. Divided and this application October 6, 1938, Serial No. 233,602. In Great Britain November 16, 1932
4 Claims. (Cl. 260—314)

1. Process for the manufacture of phthalocyanine coloring matters which comprises heating an o-arylene dicyanide and a cupriferous reagent in an inert, non-basic medium, until a solid, bluish to greenish colored compound has been formed.

2,242,302
COTTONSEED DELINTER
John W. Hoefling and Philip M. Hoefling, Sacramento, Calif., assignors to Hoefling Brothers, Sacramento, Calif., a copartnership
Application January 15, 1940, Serial No. 313,883
9 Claims. (Cl. 19—42)

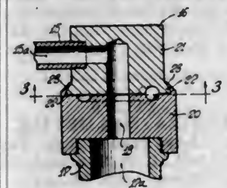
1. In a seed delinter, an enclosed cylindrical housing, a driven rotary brush disposed in said housing, said brush having radially extending, flexible and resilient bristles of substantial length, means to feed lint seed into said housing at a point in the circumference thereof, a fan arranged to discharge air into said housing from another point in the circumference thereof and in a plane substantially tangentially of said brush,

the direction of air flow being counter to the direction of rotation of the brush, an air and lint outlet passage leading from the circumference of the housing between said points adjacent



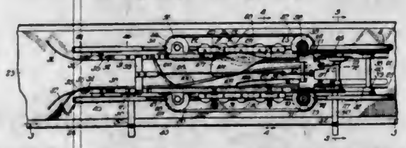
the point of tangency of the air flow with the brush, and a seed outlet from the housing relatively remote from the air and lint outlet passage.

2,242,303
SWIVEL JOINT
Paul H. Irmischer, Chicago, Ill.
Application November 24, 1939, Serial No. 305,801
6 Claims. (Cl. 285—97.7)



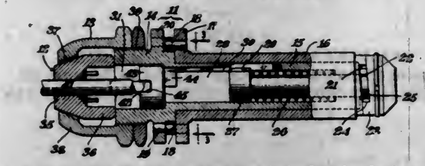
6. In a swivel joint, coacting swivel members movable coaxially one with respect to the other, each swivel member having one face abutting a like face of the other swivel member, a substantially annular groove formed in the abutting face of one of said swivel members with the ends of said groove spaced with respect to each other, a corresponding groove formed in the abutting face of the other swivel member and adapted to communicate with the spaced ends of the substantially annular groove aforesaid, and a movable element disposed in said grooves whereby the movement of one of said swivel members may be limited with respect to the other swivel member.

2,242,304
EGG CARTONING MACHINE AND METHOD
Harry C. Johnson, Chicago, Ill., assignor to Self-Locking Carton Co., Chicago, Ill., a corporation of Illinois
Application April 10, 1939, Serial No. 267,012
7 Claims. (Cl. 93—3)



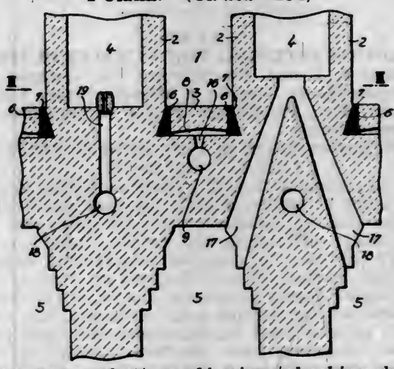
7. The method of operating an egg packaging assembly, which comprises erecting cellular cartons, progressing said cartons along the upper flight of a conveyor to a candling station, removing said cartons, filling the cartons with candled eggs, progressing the filled cartons along the return flight of a conveyor, and closing said cartons during progress thereof along said return flight.

2,242,305
TOOL CHUCK
Oscar E. Koehler and Robert L. Ashley, Greenfield, Mass., assignors to Greenfield Tap and Die Corporation, Greenfield, Mass., a corporation of Massachusetts
Application April 26, 1938, Serial No. 204,266
1 Claim. (Cl. 279—49)



A tool chuck comprising a tubular body having an annular end surface and a deep central bore with a forwardly facing internal shoulder spaced from said end, a jaw unit comprising a hollow rigid cylindrical portion engaging end to end with the end surface of said body and provided with an opposite tapered portion split into a plurality of flexible jaws forming a generally cylindrical gripping surface spaced outward from the annular end surface of said body, a cap member threaded on said tubular body and engaging the jaws of said jaw unit to compress the jaws into gripping engagement with the shank of the tool and correspondingly shift said unit transversely on the annular end surface of said tubular body, a socket member fitting in the bore of said tubular body and seating against said internal shoulder, means retaining said socket member against rotation, and a socket carried by said member coaxial with said jaw unit and spaced rearward at the end surface of said tubular body and adapted to receive the end of the tool shank gripped by said jaws.

2,242,306
CONTRIVANCE OF PRODUCING WATER GAS IN HORIZONTAL COKE OVENS
Heinrich Koppers, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application October 14, 1939, Serial No. 299,466
In Germany October 17, 1938
1 Claim. (Cl. 202—134)



A coke oven battery of horizontal coking chambers arranged side by side in succession with heating walls situated between the oven cham-

bers having cavities arranged longitudinally of the oven chambers in the oven-sole of each coking chamber alongside each of the chamber side walls, said cavities extending through the oven sole and being filled with lumpy non-fusing material, said cavities being communicably connected by horizontal cross channels under the oven sole with vertical ducts, the vertical ducts being beneath the cross channels and being communicably connected with a steam supply channel that extends longitudinally of the coking chamber beneath the vertical ducts.

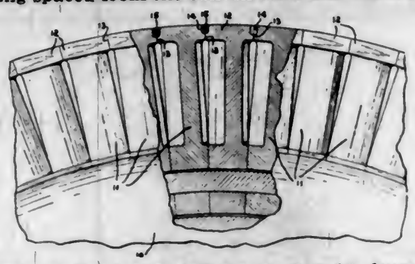
2,242,307
ADJUSTABLE SPRING FOR CRIBS
Samuel Kroll and Nathan J. Kroll, Chicago, Ill.
Application November 20, 1939, Serial No. 305,218
2 Claims. (Cl. 5—11)



1. In a crib, means for adjustably supporting a mattress spring at different levels and comprising, in combination, a hanger bracket secured at each of the four corners of the crib, each bracket being provided with a vertically extending common slot from which communicate a plurality of downwardly directed notches spaced in a vertical direction along the slot, a laterally extending hanger rod pivotally mounted at each end of the mattress spring, each rod having opposite end portions offset to provide hanger arms engageable in said notches to support said spring in the crib, each of said rods having an offset handle portion between its ends whereby the rod will be pivoted when a lifting effort is applied to said handle portion to turn the rod in a direction to effect withdrawal of the hanger portions thereof from the notches in which they are resting for movement into said common slots and disposition in a different set of notches to change the elevation of said spring.

2,242,308
SHROUD FASTENING FOR TURBINE BLADES
Reinout P. Kroon, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 23, 1939, Serial No. 263,617
4 Claims. (Cl. 253—77)

1. In combination with a blade-mounting member, a row of blades mounted on said member; a shroud element integral with the outer end of each blade and the shroud elements abutting to form a shroud strip; each pair of adjacent shroud elements having the joint formed by their abutting edges lying in a region of low or zero bending moment of the shroud strip; said abutting elements of each joint having a pair of spaced cup spaces extending from the outer surface of the shroud inwardly for a portion of the thickness of the latter and formed by complemental concavities in adjacent abutting edges of the shroud elements, said cup spaces of each pair being spaced to either side of the center of its joint and being spaced from the convex back and the front

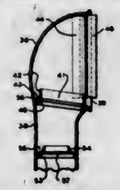


edges of the blade sections; and weld deposits filling the cup spaces and autogenously connecting abutting shroud elements.

2,242,309
PROCESS FOR PURIFYING NITRILES
Wilbur A. Lazier and George W. Rigby, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 23, 1938, Serial No. 197,626
10 Claims. (Cl. 260—464)

1. A process for the purification of an aliphatic dinitrile which comprises washing said aliphatic dinitrile with a solution containing a bisulfite.

2,242,310
VENTILATING DEVICE
Burt S. Loy, Port Arthur, Tex.
Application April 21, 1939, Serial No. 269,127
5 Claims. (Cl. 98—64)



1. A ventilator comprising an air-intake, funnel-shaped shell having a flaring open side, a depending neck on which said shell is mounted, means for separating water from the air entering said ventilator comprising vertically disposed baffle plates extending across the open side of said shell, a partition disposed across the lower portion of said shell and provided with a center opening, and an upwardly projecting rim surrounding said center opening, the arrangement being such that said partition and said rim form an annular trough for collecting water running down said baffle plates and the interior surface of said shell.

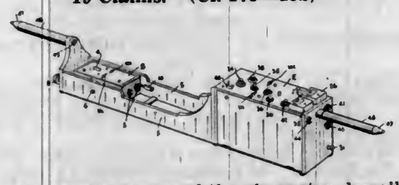
2,242,311
STRETCHER
Daniel D. Lucey, Los Angeles, Calif.
Application August 15, 1939, Serial No. 290,210
4 Claims. (Cl. 5—82)

1. A stretcher comprising an elongated frame, an elongated flexible sheet having its longitudinal marginal portions adapted to be folded over opposite portions of said frame so as to lie upon the body of the sheet with their free edges nearer to said sides of the frame than to the longitudinal median line of the sheet, and zipper fastening devices extending substantially the full length of and secured to the sheet at points spaced in-



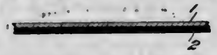
wardly of the outer edges of said folded over portions so as to be covered by the latter when fastened together.

2,242,312
GEOPHYSICAL APPARATUS
Ludwig Machts, Marburg, Germany
Application May 28, 1938, Serial No. 210,695
In Germany May 31, 1937
19 Claims. (Cl. 175—182)



4. A portable device of the character described comprising a radio transmitting unit, a radio receiving unit, a structure for supporting both of said units, means for indicating the field received by said receiving unit, and carrying means associated with said structure and extending from the extremities of said structure longitudinally thereof.

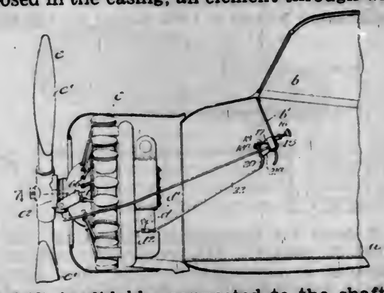
2,242,313
HEAT-RESISTING STENCIL FILM
John S. Marran, Stamford, Conn., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application March 7, 1940, Serial No. 322,660
6 Claims. (Cl. 41—46)



1. A heat-resisting stencil film comprising a thin, tough, flexible, transparent Cellophane base, and a coating including mineral black 5%, a non-drying oil 12%, a vegetable wax 49% and aluminum powder 34%, all by weight.

2,242,314
CONTROL DEVICE FOR AIRCRAFT
Parker B. Martin and George J. Brew, Williamsport, Pa., assignors to Aviation Manufacturing Corporation, Williamsport, Pa., a corporation of Delaware
Application October 15, 1937, Serial No. 169,127
4 Claims. (Cl. 170—135.6)

1. In an airplane, the combination with an engine provided with speed-controlling means of a propeller provided with variable pitch blades and means for varying the pitch of the blades, of manually-operable means for shifting the engine control-means to vary the speed of the engine, means for electrically controlling the pitch-variation comprising switch-means, and a pilot's control-device comprising a casing, a shaft rotatably and slidably mounted in the casing, a handle on one end of the shaft, a connection connected to the other end of the shaft for shifting the engine control-means when the shaft is shifted longitudinally, the switch-means being disposed in the casing, an element through which

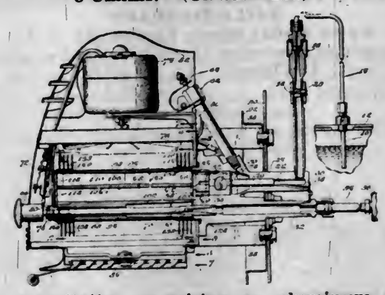


the shift is slidable, connected to the shaft for rotation therewith, for operating the switches in the casing to control the operation of the pitch-changing means, and a handle for manually shifting the shaft.

2,242,315
CLEANSING AND DISINFECTING PROCESS
James Douglas MacMahon, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application May 12, 1938, Serial No. 207,505
2 Claims. (Cl. 252—99)

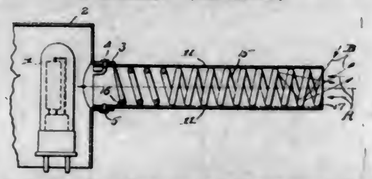
1. In a process involving the solution of a dry solid mixture of calcium hypochlorite and an alkali metal metaphosphate, present in an amount sufficient to render the mixture soluble in an aqueous solution of the class consisting of soap solutions, solutions of alkaline detergents and hard waters, in an aqueous medium, the improvement which comprises intimately admixing with the said solid mixture prior to its solution a proportion of sodium chloride ranging from about 15% to 35% by weight of the mixture, and adding the resulting mixture to the aqueous medium, whereby the tendency to form sticky difficultly soluble agglomerates is minimized.

2,242,316
AUTOMOBILE HEATER
Henry J. De N. McCollum, Evanston, Ill.
Application November 29, 1937, Serial No. 177,076
8 Claims. (Cl. 257—124)



7. A radiator comprising an aluminum alloy die casting having a circuitous passageway extending therethrough for the flow of hot gases, a shell of sheet copper fitting snugly about said casting, and a plurality of fins of sheet copper pressed over said shell.

2,242,317
LIGHT HOOD
Arthur G. B. Metcalf, Milton, Mass., assignor to Photoswitch Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application August 3, 1938, Serial No. 222,889
2 Claims. (Cl. 88—1)



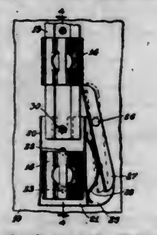
1. A hood for directionally selecting light to conduct it towards light-responsive apparatus, comprising a substantially rigid duct member having a substantially smooth interior surface, and substantially contacting said interior surface, a separate helical light baffle member of several turns which turns are spaced and extend towards the center of said duct member to form a light channel, far enough substantially to eliminate light rays reflected from an adjacent turn.

2,242,318
GLOVE
Milburn C. Mosier, Oakwood Heights, Staten Island, N. Y.
Application February 3, 1940, Serial No. 317,066
2 Claims. (Cl. 2—159)



1. A glove having a palm portion provided with an opening through which the palm of the wearer's hand is exposed, said glove having finger stalls provided with portions covering and inclosing the finger tips, each of said stalls having an opening in its front face adjacent to and spaced from the palm opening.

2,242,319
DEVICE FOR FACILITATING BENDING OF SAILS TO SPARS
David Moffat Myers, Larchmont, N. Y.
Application November 16, 1939, Serial No. 304,691
11 Claims. (Cl. 114—112)



1. A guide trough for sail slides movable over a track secured along a spar, comprising an open-ended, substantially U-shape channel adapted for permanent attachment to the spar and notched at one end to embrace a portion of the tack end of the track for a short distance, and means to secure the bottom of the channel member to the spar, said bottom being of a thickness and width to raise and align a sail slide with respect to the said track so as to guide the same through the trough definitely and accurately onto the track.

2,242,320
CHALK RESISTANT TITANIUM DIOXIDE PIGMENT
George Francis New, Eaglescliffe, England, assignor to Titan Company, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Application December 27, 1938, Serial No. 247,843
9 Claims. (Cl. 134—39)

1. A chalk resistant, oleaginous surface coating composition containing a titanium dioxide pigment and between about 0.2 percent and about 5.0 percent chromium naphthenate, based upon the weight of the said pigment.

2,242,321
PRODUCTION OF NONKNOCKING MOTOR FUELS
Mathias Pier, Heidelberg, and Gerhard Free, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to William Ellyson Currie, New York, N. Y.
No Drawing. Application August 24, 1939, Serial No. 291,670. In Germany August 31, 1938
11 Claims. (Cl. 196—50)

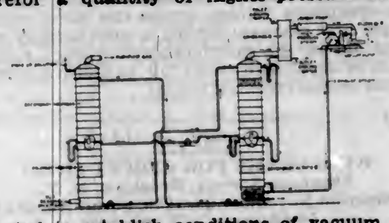
1. A process for the production of nonknocking motor fuels which consists in catalytically cracking hydrocarbons obtained from carbon monoxide by reaction with hydrogen, mixed with a paraffin-base petroleum oil.

2,242,322
PROCESS FOR PREPARING P-ISOPROPYL-ALPHA-METHYL-HYDROCINNAMIC ALDEHYDE
Louis Peizat, Seresin du Rhone, France, assignor to Societe des Usines Chemiques Rhone-Poulenc, Paris, France, a corporation of France
No Drawing. Application June 22, 1938, Serial No. 215,222. In France June 29, 1937
5 Claims. (Cl. 260—599)

2. The process of preparing p-isopropyl-alpha-methyl-hydrocinnamic aldehyde, which comprises subjecting a cuminyl halide to Malonic Ester Synthesis with c-sodium-diethyl-methyl-malonate, and further converting the intermediate p-isopropyl-alpha-methyl-hydrocinnamic acid thus obtained into the corresponding aldehyde.

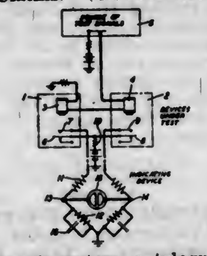
2,242,323
GAS PURIFICATION PROCESS
Alfred R. Powell, Pittsburgh, Pa., assignor to Koppers Company, a corporation of Delaware
Application June 9, 1939, Serial No. 278,285
3 Claims. (Cl. 23—2)

2. In the regeneration, by means of energy derived from higher-pressure steam, of spent absorptive solution produced in a cyclic process for removing hydrogen sulphide from mixtures thereof with gases and vapors, said absorptive solution comprising a reagent that combines with the absorbed hydrogen sulphide to give a spent solution above which the ratio of the partial pressure of gaseous hydrogen sulphide to that of an aqueous condensible sweep-vapor flowed therethrough during the regeneration step tends to increase as the temperature of boiling is reduced below that obtaining at atmospheric pressure, the improvement comprising, in combination: boiling the spent solution under vacuum at temperature between about 60° C. to 70° C.; introducing into energy-conversion means suitable therefor a quantity of higher-pressure steam



adapted to establish conditions of vacuum and producing thereby a vacuum on the spent solution at which the solution will boil at said temperature, and effecting the aforesaid boiling of the solution and flow of aqueous sweep-vapor through the same with the effluent steam from said energy-conversion means.

2,242,324
TESTING DEVICE
Wilton T. Rea, Bayside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 6, 1938, Serial No. 233,551
4 Claims. (Cl. 178—69)

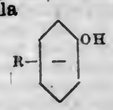


1. In a telegraph system, a telegraph repeater adjusting circuit comprising a pair of repeaters having input circuits connectable to a common local source of electrical impulses, an individual electric time delay network connected to the output of each repeater, and a bridge, comprising means for indicating a failure in the operation of one of said repeaters, connected between said networks.

2,242,325
ALKYL PHENOL
Roland R. Read, Kirkwood, Mo., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland
No Drawing. Application October 10, 1932, Serial No. 637,199
Renewed March 9, 1939
18 Claims. (Cl. 260—613)

1. The method of producing alkyl phenols which comprises condensing a monohydric alcohol and a phenol in an acid solution of a condensing agent.

18. As new compounds, secondary alkyl phenols having the formula



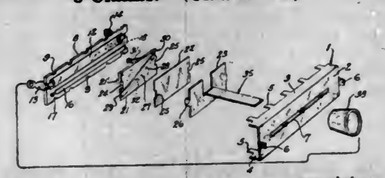
in which R is a secondary alkyl group having from five to seven carbon atoms.

2,242,326
METALLIC WOOL PAD
Morris Rosenthal, Chicago, Ill.
Application April 28, 1939, Serial No. 270,600
15 Claims. (Cl. 140—71)



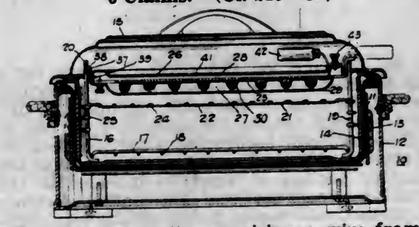
1. A shaped pad for an ironing press comprising a spirally wrapped ribbon of woven metal mesh fabric extending transversely around said pad and forming a major portion of the body of said pad.

2,242,327
VARIABLE RESISTANCE
Harry William Rubinstein, Milwaukee, Wis., assignor to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Application April 13, 1938, Serial No. 201,684
8 Claims. (Cl. 201—62)



1. An adjustable resistance comprising an elongated channel shaped metal housing having front and side walls, a longitudinal slot in said front wall, a panel of insulating material closing the back of said housing, an elongated continuous strip type resistance element secured to the inside of said panel, terminals connected to said element and said panel, an elongated contact strip carried by said panel and provided with a terminal, a slide mounted in said housing and guided by said front and side walls, a bridging contact carried by said slide and insulated from said housing, said contact having spring fingers in wiping engagement with said resistance element and said contact strip, there being sufficient resilience in said fingers to urge said slide toward said front wall and maintain it in proper position in said housing, and an operating element disposed exteriorly of said housing and connected with said slide through said slot.

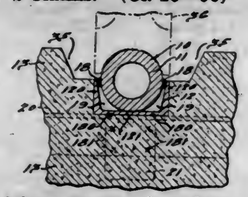
2,242,328
COOKING APPLIANCE
William J. Russell and Joseph R. Heilman, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 30, 1938, Serial No. 243,283
6 Claims. (Cl. 219—35)



3. A heating unit comprising a wire frame, a

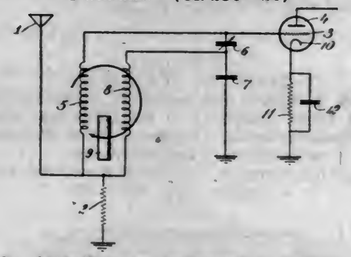
resistance heater carried by said frame, hinge means carried by the heating unit for hinging the same on a support, and a handle rotatably mounted on the heating unit so that it may be turned to project from the unit in operative position or turned to overlie the heating unit in inoperative position, said handle, when in operative position, providing a means for swinging the heating unit about the axis of said hinge means, said wire frame being formed with two integral projections disposed to retain said handle therebetween in operative position, at least some of said parts being sufficiently resilient to permit at least one of said projections to disengage said handle for turning the same to inoperative position.

2,242,329
MEANS FOR DE-ICING HANGAR DOOR TRACKS AND THE LIKE
Saul Saulson, Detroit, Mich., assignor to Albert Kahn, Inc., a corporation of Michigan
Application December 30, 1940, Serial No. 372,218
2 Claims. (Cl. 16—96)



1. In de-icing means for door tracks for hangar doors and the like including means for circulating an anti-freeze medium through said rails, and means for heating said anti-freeze medium sufficiently to raise the temperature of the said rails above freezing; said track comprising one or more tubular rails, a foundation under said tracks, jacket means between the lower portion of each tubular rail and the said track foundation for minimizing heat loss between the said tubular rail and the said track foundation.

2,242,330
INTERFERENCE SUPPRESSION SYSTEM
William A. Schaper, Cicero, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application December 11, 1939, Serial No. 308,508
4 Claims. (Cl. 250—20)



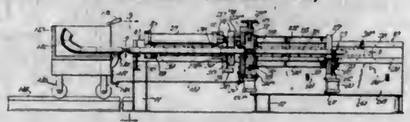
1. An interference suppression system for a radio receiver having an antenna and a vacuum tube with a control electrode, including a first series resonant circuit the capacitive portion of which is in circuit between said control electrode and ground, a second series resonant circuit the capacitive portion of which is included in the capacitive circuit between said control electrode and ground, and means for simultaneously varying the inductance in said resonant circuits and the inductive coupling between said resonant circuits comprising a ferromagnetic core movable with respect to coaxially arranged inductive portion of said resonant circuits, whereby the signal-frequency voltage developed across the capacitive portion of said first resonant circuit is applied to said control electrode and the interference-frequency voltage across the same portion of said first resonant circuit is substantially cancelled out by the interference-frequency voltage which is developed across the capacitive portion of said second resonant circuit.

2,242,331
WING FRAME FOR STREET SIGNS
Abraham Sprung, Brooklyn, N. Y.
Application November 29, 1940, Serial No. 367,682
10 Claims. (Cl. 40—145)



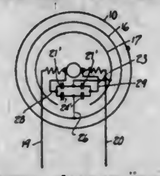
1. A sign holding device comprising a body portion having a horizontally extending holding arm, a sign holding frame, said arm having a vertically arranged groove, said groove provided with a narrower width at its open side, and adapted to receive an end portion of said frame, said end portion having a cooperating contour, a vertical key-way between the walls of said groove and said frame end portion and a wedge in said key-way.

2,242,332
MACHINE FOR PRODUCING PIPE BENDS
Edward Hall Taylor and Joseph F. Staroba, Chicago, Ill., assignors to Taylor Forge & Pipe Works, Cicero, Ill., a corporation of Illinois
Application May 6, 1940, Serial No. 333,566
9 Claims. (Cl. 153—48)



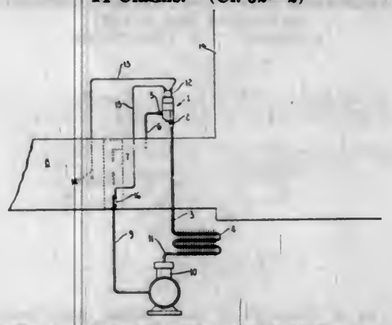
1. In a machine for producing pipe bends, a mandrel rod for receiving tubular blanks, blank abutment means movable toward and away from said rod normally held in position extending thereabout and restrained against movement rearward from normal position, a mandrel at the forward end of said rod, means for reciprocating said rod comprising two holding devices in rear of said abutment means spaced apart lengthwise of said rod and effective for holding it against endwise movement relative to said reciprocating means, means for first moving the rearward holding device into holding position and then moving the forward holding device into releasing position as said rod approaches the limit of its rearward stroke and for first moving the forward holding device into holding position and then moving the rearward holding device into releasing position as said rod approaches the limit of its forward stroke, and means for moving blanks placed on said rod between said holding devices forward along said rod into position in front of said forward holding device during and responsive to the forward stroke of said rod.

2,242,333
RADIO INTERFERENCE ELIMINATOR
Sigurd Ferdinand Thunberg, Ronninge, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application October 3, 1939, Serial No. 297,641
In Germany October 3, 1938
8 Claims. (Cl. 172—36)



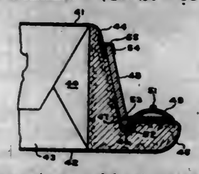
8. In a vacuum cleaner, an outer casing, a metal case supported within and electrically insulated from said casing, an electric motor having an armature and a metal housing disposed within and electrically insulated from both said case and said casing, a first condenser means bridged across said armature and having a midpoint electrically connected to said housing by a direct metallic connection, and a second condenser means bridged across said armature and having a midpoint electrically connected to said case by a direct metallic connection.

2,242,334
REFRIGERATING SYSTEM
Daniel D. Wile, Utica, N. Y., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application March 30, 1938, Serial No. 198,926
14 Claims. (Cl. 62—2)



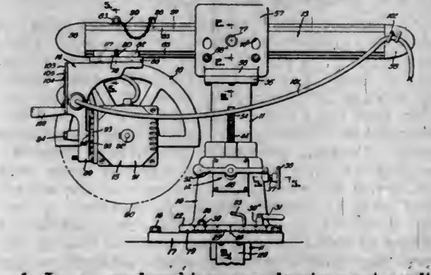
1. In a refrigerating system including a cooling chamber having a refrigerant evaporator with a refrigerant return line, a valve for controlling the supply of refrigerant to the evaporator, power means for actuating said valve, and a pair of temperature responsive elements communicatively connected to said power means, one of said elements being subject to the temperature of the refrigerant return line, the other of said elements being subject to temperature in the cooling chamber, said elements and said means being charged with a predetermined quantity of condensible temperature responsive fluid which is volumetrically condensible for complete reception in one or the other of said elements so that the element at the lower temperature will have exclusive control of said valve.

2,242,335
CABINET CONSTRUCTION
Orland H. Yoxsimer, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Continuation of application Serial No. 122,748, January 28, 1937. This application May 24, 1940, Serial No. 336,911
3 Claims. (Cl. 20—35)



1. In refrigerator cabinet construction, the combination of inner and outer metallic shells, a flange associated with one of the shells, extending towards the other shell and spaced therefrom, a breaker strip for closing the space between the shells, said flange having a groove formed therein, which groove provides the sole means for retaining one edge of said breaker strip in place and a gasket member held in position at least partially by said flange.

2,242,336
POWER SAW
Laurence Franklin Atwood, Los Angeles County, Calif., assignor to Consolidated Machinery & Supply Co., Ltd., Los Angeles, Calif., a corporation of California
Application September 2, 1938, Serial No. 228,163
2 Claims. (Cl. 143—47)

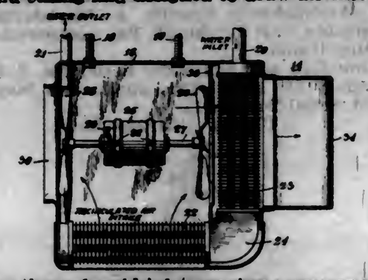


1. In a woodworking saw having a traveling arm, the combination of, a bracket secured to the arm to depend therefrom, a tool operating motor secured to the rear side of the bracket, handle means on the front of the bracket for operating the arm, and switch means on the bracket for controlling the motor and including an operating part accessible at the front of the bracket.

2,242,337
HEATER
John M. Aufiero, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Original application June 15, 1936, Serial No. 85,250. Divided and this application August 16, 1939, Serial No. 290,393
6 Claims. (Cl. 257—137)

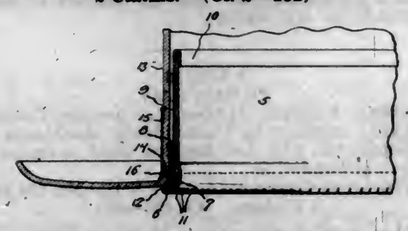
1. An automobile heater including a casing formed with an inlet opening and a plurality of outlet openings, a right angle core positioned within said casing in the path of said inlet opening and one of said outlet openings, means cou-

pling said core to the water cooling system of said automobile, and air impelling means carried by said casing and designed to draw air into said



casing through said inlet opening across one portion of said core and to force said air out through the outlet openings in said casing.

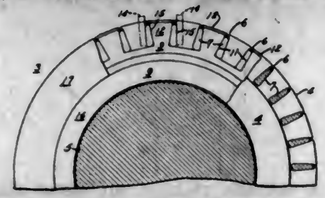
2,242,338
WATERPROOF SWEATBAND
Joseph Augitto, Chicago, Ill.
Application May 13, 1940, Serial No. 334,887
2 Claims. (Cl. 2—181)



2. A waterproof sweatband comprising a sweatband proper, a reed, a strip of bias fabric folded about the reed to form a bead and to provide an inner flap and a relatively wider outer flap, a strip of waterproof material disposed between said flaps and reaching from the reed approximately to the upper edge of the sweatband proper, stitching passing through both flaps directly above the reed and through the lower edge portions of the sweatband proper and the waterproof strip to secure the parts together, a further strip of waterproof material adhesively applied to and covering the outer surface of the outer flap and overlying such stitches, a hat body, further stitching passing through the hat body, the outer flap and the last-named waterproof strip to secure the sweatband to the hat, the last-named stitching terminating outwardly of the first-named waterproof strip and disposed above the first-named stitching, an outer hat band, and a third line of stitching passing through the hat body, the outer band, the outer flap, and the second-named waterproof strip, said last-named stitching also terminating outwardly of the first-named waterproof strip and located above the first-named stitching.

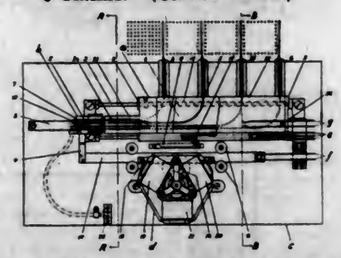
2,242,339
SQUIRREL-CAGE DYNAMOELECTRIC MACHINE
René A. Baudry, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 26, 1938, Serial No. 210,189
4 Claims. (Cl. 172—120)

1. A dynamoelectric machine comprising a stator-member and a rotor-member, said rotor-member having a rotor-core and having a plurality of squirrel-cage bars extending through and beyond the rotor-core and disposed substantially longitudinally of the machine, a plurality of said squirrel-cage bars having such cross-sections as to provide a substantially flat side, disposed in an approximately radial direction, said side being wider, in a radial direction, than the circumferential width of the bottom of the bar, an end-ring disposed at each end of the bars in spaced relation to the rotor-core, each end-ring having, in effect, approximately radially disposed



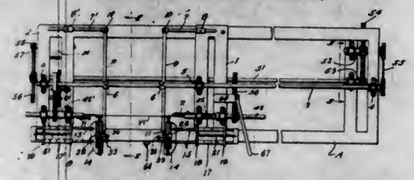
openings, the openings being circumferentially wider than the bars, the bars and end-rings being so mounted and disposed that there is a capability of a slight relative lateral displacement between the ends of the bars and the respective end-rings, each bar having one of its sides pressed into fused-metal connection with an approximately radially disposed wall of its opening, there being an open space big enough for the insertion of a welding-electrode on the other side of each bar, and each bar being secured to each end ring at only the fused-metal connection.

2,242,340
AUTOMATIC TELEPHONE SELECTOR
Berth Johan Brander, Stockholm, Sweden, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden, a company of Sweden
Application May 3, 1938, Serial No. 205,837
In Sweden May 5, 1937
6 Claims. (Cl. 179—27.52)



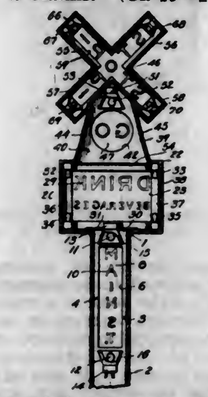
1. In a selector, a bare metal wire contact field, a slidable switching member movable to and fro in front of the contact field, a reversible motor for driving the said switching member, a carriage arranged at said switching member and movable parallel with the path thereof and in relation thereto, a number of wipers adapted to be inserted between the wires of the multiple field, curved and electrically insulated slots in said carriage, a number of flexible electric conductors carrying said wipers and being slidably supported by said curved electrically insulated slots, means securing the conductors for movement in both directions with the slidable switching member, said carriage being drawn along with the switching member in one direction of movement thereof by the conductors, and means to temporarily lock the carriage against movement in the opposite direction whereby during movement of the switching member in the second mentioned direction, the wipers at the free ends of the flexible conductors are projected from the carriage at right angles to the paths of movement thereof and are moved in between the wires of the multiple fields.

2,242,341
LEADER FORMING MACHINE
Clifford Brignall, Long Beach, Calif.
Application June 20, 1940, Serial No. 341,552
8 Claims. (Cl. 140—102)



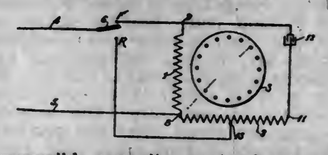
1. In a machine for forming loops in the end of a flexible member, a supporting structure, a pair of spindles rotatably supported in the structure and having hooked ends arranged adjacent each other for having the flexible member looped over the same, slides on the supporting member, springs for moving the slides toward each other, a carriage on each slide, clamping means carried by each carriage for clamping an end of the flexible member, means for yieldingly holding the carriages in an outward position to apply tension to the flexible member, a guide carried by each slide and through which the flexible member passes after passing around the hooks of the spindles, means for rotating the spindles to twist the flexible member adjacent the hooks of the spindles to form loops and means for then moving the slides away from each other to cause the guides to guide the flexible member to cause the spindles to tightly wrap the flexible member around the twisted parts.

2,242,342
SIGN
Rea M. Bruner, Houston, Tex., assignor of one-third to R. A. Kenley and Allan Murphy, both of Houston, Tex.
Application April 26, 1939, Serial No. 270,139
2 Claims. (Cl. 40—132)



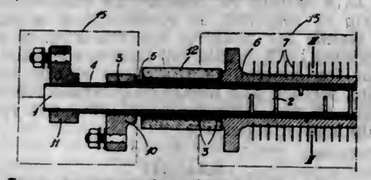
2. In a sign of the character described, a post, a housing supported by said post having openings on opposite sides thereof, panels covering said openings adapted to carry indicia representing a traffic signal, an X-shaped housing mounted on the upper end of the housing which has the openings, said first named housing being connected with a pair of arms of said X-shaped housing and being arranged within the contained angle of said arms, said X-shaped housing having openings on opposite sides thereof, panels covering the openings in said X-shaped housing adapted to carry indicia representing a traffic signal related to the first named traffic signal, and means for illuminating said panels at predetermined intervals relative to each other.

2,242,343
REVERSIBLE CAPACITOR MOTOR
Lloyd W. Buchanan, Lima, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 13, 1940, Serial No. 329,481
4 Claims. (Cl. 172—278)



1. A reversible capacitor-motor having a main winding, a spatially dephased auxiliary winding having an intermediate tap, a capacitor, means for, at times, operating the motor with said main winding directly energized across a single-phase supply-line and with said auxiliary winding energized in series-circuit relation with said capacitor from said single-phase supply-line, and means for, at other times, operating said motor with a portion of the auxiliary winding directly energized across said single-phase supply-line and with the main winding utilized as a capacitor-winding energized from said single-phase supply-line in series-circuit relation to said capacitor and with said auxiliary winding utilized as an auto-transformer for stepping up the capacitor voltage.

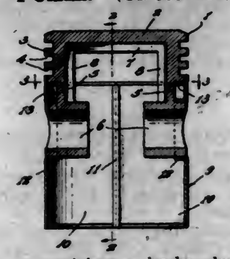
2,242,344
ELECTRIC RESISTANCE ELEMENT AND PROCESS OF MANUFACTURING SAME
Camillo Cito, Uccle-Brussels, Belgium, assignor to Manufacture Generale Metallurgique, Société Anonyme, Brussels, Belgium, a Belgian company
Application December 17, 1938, Serial No. 246,462
In Belgium December 20, 1937
12 Claims. (Cl. 201—67)



1. In a process of making an electric resistance element, forming a core by surrounding an elongated center piece with a resistance member between two layers of insulating material, aligning a plurality of fins having each a central hole of larger diameter than said core, positioning said core in the aligned holes of said fins, and casting metal around said core and in

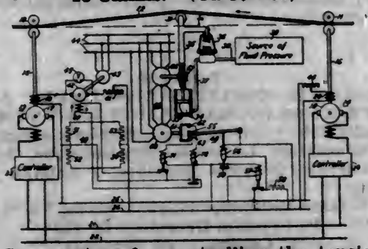
contact with the inner edges only of said fins, thus forming a sheath shrunk on said core and adapted to hold said fins.

2,242,345
PISTON
George R. Cole, Fresno, Calif.
Application July 9, 1938, Serial No. 218,433
1 Claim. (Cl. 309—14)



A piston comprising a body, depending arms carried by said body, bearing sleeves at lower ends of said arms, internal ribs extending across said body and having end portions extending downwardly along the arms at opposite side edges thereof, a sheet metal skirt consisting of sections welded to each other and provided with sleeves engaged about outer end portions of the bearing sleeves of said arms, and an annular flange about the upper end of said skirt bearing against said head and having portions formed with circumferentially extending tongues disposed at opposite sides of said arms and forming with lips at their free end abutting opposite side edge faces of the arms.

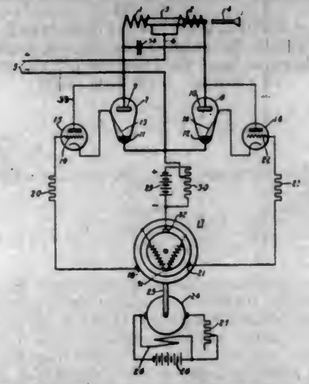
2,242,346
TENSION CONTROL FOR ROLLING MILLS
Willard G. Cook, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 23, 1937, Serial No. 165,287
13 Claims. (Cl. 80—35)



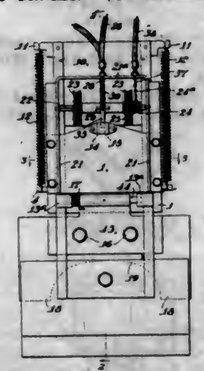
1. In a system for controlling the tension on a strip of material, in combination, a pair of roll stands for working the material, a motor for driving each of said roll stands, a booster generator for controlling the speed of one of said driving motors, and means only responsive to the tension on the strip for controlling the voltage of said booster generator.

2,242,347
ELECTRIC HAMMER
Joseph H. Cox, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 23, 1938, Serial No. 247,431
6 Claims. (Cl. 172—240)

1. An electric hammer comprising, in combination, a direct-current source, a coil and an armature therefor, switching means comprising an electric discharge device having a high current carrying capacity connected between said direct-current source and said coil, and operating means which alternately opens and closes said switching means thereby intermittently energizing said coil and effecting reciprocation of said armature, said operating means including a separate electric discharge device having a relatively low current carrying capacity as compared to said first mentioned discharge device comprising an anode, a cathode and grid, an alternating-current source having a terminal connected to said grid, said anode and cathode being connected in series with said coil and said direct-current source so as to form a separate and substantially low current control path.

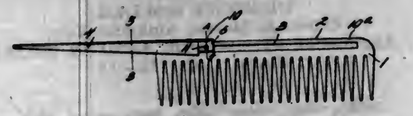


2,242,348
ANTISKID DEVICE FOR AUTOMOBILES
Gustave Sydney Croome, Mitcham, England
Application August 2, 1940, Serial No. 349,813
In Great Britain July 19, 1939
9 Claims. (Cl. 280—158)



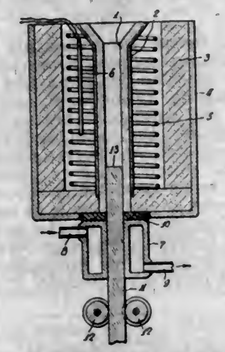
1. An antiskid device for automobiles comprising a unit adapted to be supported in front of a road wheel of the vehicle, a road wiping and drying device movably carried by said unit and adapted in one position to contact with the road surface in front of the said wheel, a tire scraper movably carried by said unit and adapted in one position to wipe the wheel tire, and operating means arranged to simultaneously position the said road wiper and tire scraper to perform their respective operations.

2,242,349
COMB-CURLER
William B. Dailey, Winner, S. Dak.
Application February 27, 1941, Serial No. 380,935
1 Claim. (Cl. 132—35)



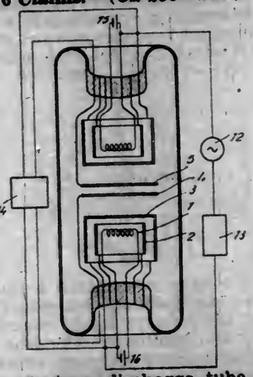
A comb-curler comprising a comb having a straight upper edge, a guide slot extending parallel to the upper edge of the comb and terminating short of the ends of the comb, a curler associated with said comb, said curler being of a length not substantially exceeding the length of the comb and composed of sheet material rolled to shape, the curler being longitudinally tapered and of approximately circular transverse cross-section throughout its length, a recess extending substantially throughout the length of the curler and of a width such as to receive the upper edge of the comb, an extension from the enlarged end of the curler comprising a pair of arms overlying opposite faces of the comb and having inturned ends engaging the guide slot, and means for retaining the arms against separation, said comb-curler being so constructed and arranged as to permit the curler to be slid longitudinally along the upper edge of the comb into and out of extended position from one end of the comb.

2,242,350
CONTINUOUS CASTING OF METAL SHAPES
Byron E. Eldred, Scarsdale, N. Y., assignor to Continuous Casting Corporation, New York, N. Y., a corporation of Delaware
Application October 6, 1938, Serial No. 233,655
3 Claims. (Cl. 22—200.1)



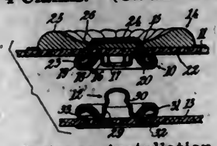
1. A method of regulating the rate of chilling of a body of molten high-melting-point metal in motion in a mold which is in outward heat flow relation with a lower-temperature heat-dissipating terminal, which method includes interposing heat in the path of said normal outward flow of heat from the metal, and regulating the amount of said interposed heat to decrease the outward flow of heat from the metal sufficiently to maintain any desired length of said molten metal substantially at congealing temperature, ready for solidifying substantially without change of temperature.

2,242,351
CONTROLLABLE ELECTRIC DISCHARGE TUBE OPERATING WITH ALTERNATING CURRENT
Adalbert Etzrodt, Berlin-Siemensstadt, Germany, assignor to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany, a corporation of Germany
Application July 6, 1939, Serial No. 283,036
In Germany June 23, 1937
6 Claims. (Cl. 250—27.5)



1. In an electron discharge tube adapted to pass alternating current, a cathode and anode at one end of the tube, a cathode and anode at the other end, each cathode being included in a discharge path with the anode associated with the other cathode, means for shielding each cathode against the transfer of heat from the adjacent anode, and supports embodying low heat conductivity material thermally insulating said cathodes from said means.

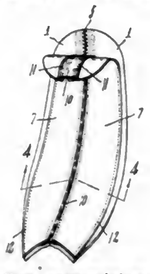
2,242,352
BUTTON BACKING FOR SNAP FASTENER ELEMENTS
Paul E. Fenton, Thomaston, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application June 13, 1938, Serial No. 213,311
4 Claims. (Cl. 24—217)



1. A snap fastener installation comprising a supporting sheet, a snap fastener element disposed with its rear surface engaging one side of said sheet, a backing member disposed with its rear surface engaging the other side of said sheet, and a staple holding the parts in assembled relation; said backing member being of button-like character and having a plurality of openings therein at spaced points about its center; said fastener element comprising a central part adapted for cooperation with a complemental part of another fastener element, and a marginal retaining ring with a reversely-extending free rear edge lying in spaced relation to the central part defining an annular entrance slot to the ring from the rear side of the element; and said staple comprising a crown engaging the front surface of the button-like backing member be-

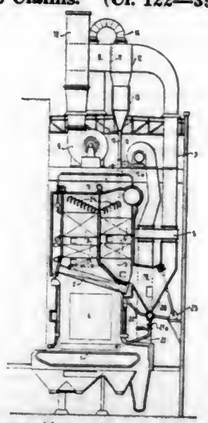
tween the openings thereof and a plurality of prongs extending from the crown through the openings of the backing member, the supporting sheet, and the entrance slot of the fastener element with their free ends disposed within and held by the retaining ring of the element.

2,242,353
SHOE TONGUE
George H. Gillis, Fitchburg, Mass.
Application September 19, 1940, Serial No. 357,429
5 Claims. (Cl. 36—54)



1. A shoe tongue comprising a lining including a pair of longitudinally extending parts having confronting concave edges secured together, and a pair of longitudinally extending outer parts having concave spaced adjacent edges and overlying and secured to said lining parts.

2,242,354
METHOD OF CLEANING COAL FIRED BOILER INSTALLATIONS
Karel L. Hagemans, Leiden, Netherlands, assignor to Hermannus van Tongeren, Heemstede, Netherlands
Application August 29, 1939, Serial No. 292,539
In Germany February 16, 1938
6 Claims. (Cl. 122—392)



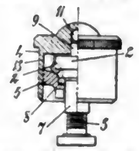
1. In the operation of a coal boiler plant having collecting means positioned in the combustion gas path for collecting flue dust, the method of cleaning undesired dust deposits from the combustion gas path which consists in withdrawing flue dust from said collecting means and reintroducing said withdrawn flue dust into the combustion gas path at a point thereof upstream with reference to the point of said withdrawal where the temperature of the combustion gases is below the ignition temperature of combustible present in the flue dust, whereby the normal concentration of flue dust in the combustion gas is considerably increased.

2,242,355
DRAPERY HOLDER
Ernest B. Harris, Amarillo, Tex.
Application April 12, 1940, Serial No. 329,394
1 Claim. (Cl. 156—19)



In a drapery holder, a single length of metallic material bent on itself to form a plurality of gripping elements and a plurality of fold-sustaining elements integrally connected, said gripping elements lying in a single plane one after another and spaced from each other to permit folded portions of a drapery to be inserted therein and gripped thereby, said fold-sustaining elements lying in a single plane one after another and opposite to and substantially parallel with said gripping elements to have the folds of the drapery outwardly of the gripping elements to rest thereon.

2,242,356
ZEROIZING MEANS FOR INDICATING MECHANISMS
Frank Horton, London, England, assignor to Foreign Rights (Precision Meters) Limited, London, England
Application March 4, 1940, Serial No. 322,199
In Great Britain March 6, 1939
2 Claims. (Cl. 192—103)

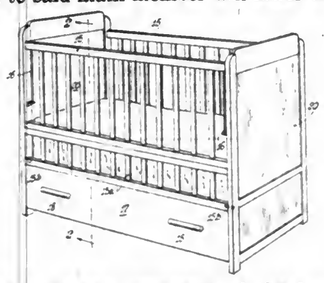


1. Zeroizing means for indicating mechanism having a zeroizing spindle, comprising a knob, clutch means between the knob and spindle for rotating the spindle by the knob, said knob comprising inner and outer part, means for securing said parts together, the inner part forming one element of the clutch and surrounding the other element of the clutch which is secured to said spindle, said inner part being provided with diametrical recesses, clutch balls in said recesses, said clutch element fixed in the spindle being provided with tapered peripheral recesses forming shoulders adapted for engagement by the balls to form a driving connection.

2,242,357
COMBINED WARDROBE AND CRIB
Samuel Kroll and Nathan J. Kroll, Chicago, Ill.
Application July 21, 1939, Serial No. 285,644
3 Claims. (Cl. 5—100)

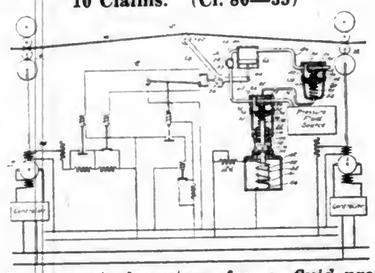
1. In a crib, a drop-side structure comprising a main upper side member and an auxiliary side-forming member disposed therebelow, means mounting the upper portions of said main member for vertical sliding movement on said crib, means hingedly joining the lower portion of said main member to the upper portion of said auxiliary member and means mounting the lower portion of said auxiliary member for pivotal movement on said crib, said main and auxiliary

members coacting such that a depressing force applied to said main member will lower the same



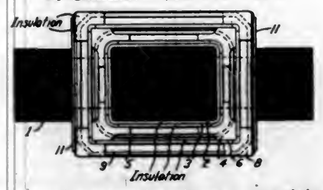
and effect pivotal movement of the lower portions thereof outwardly of the crib by pivotal action of said auxiliary member.

2,242,358
TENSIOMETER CONTROL
Gerhard P. Lessmann, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 13, 1938, Serial No. 224,724
10 Claims. (Cl. 80—35)



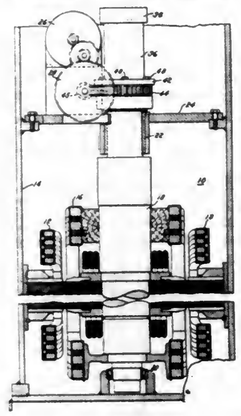
1. In a control system for a fluid-pressure actuated strip tensioning device, an adjustable fluid-pressure regulating valve for maintaining a predetermined normal fluid pressure on the tensioning device, a relief valve connected to relieve excess fluid pressure on the tensioning device and means for varying the operating pressure of said relief valve in accordance with variations in the normal pressure maintained on the tensioning device by said regulating valve.

2,242,359
IRON-CORE TRANSFORMER CONSTRUCTION
Reuben Lee, Catonsville, Md., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 30, 1938, Serial No. 232,626
10 Claims. (Cl. 179—171)



1. A transformer structure comprising a rectangular cylindrical magnetic core, a sheath of inorganic insulation having an L-section fitting each corner of said core and leaving an open space between adjacent edges of the different sheaths, a winding supported upon said sheaths and surrounding said core, a second sheath of inorganic insulation of L-section for each corner of said core superposed above the first-mentioned sheaths, and a winding supported upon said second sheath and enclosing said core.

2,242,360
INDUCTION REGULATOR
Gerhard P. Lessmann, Wilkinsburg, and Edwin E. Lehr, Edgewood, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 26, 1940, Serial No. 347,610
5 Claims. (Cl. 171—119)

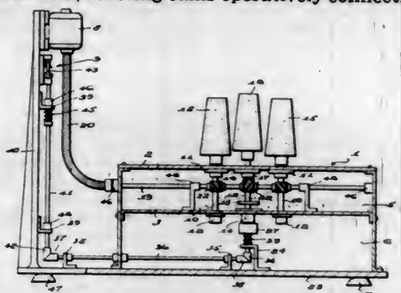


1. In an induction regulator provided with a stator disposed to have a line frequency imposed thereon and a rotor disposed in cooperative relation with the stator, in combination, a shaft disposed to carry the rotor, the shaft being deflected a predetermined amount under the average torque developed when the line frequency is imposed on the stator, a drive for operating the rotor, the drive including a worm and gear, and an auxiliary shaft connected to the rotor shaft and to the worm of the drive, the auxiliary shaft having a natural frequency less than the line frequency imposed on the stator whereby the amplitude of torsional oscillation developed in and transmitted through the auxiliary shaft is less than the deflection of the shaft under the average torque developed by imposing the line frequency on the stator and shattering between the worm and gear of the drive is prevented.

2,242,361
TUMBLER WASHER
Ellis E. Lewis, Leesville, La., assignor of one-third to Louis Eubanks and one-third to William B. Huntsberry, both of Leesville, La.
Application May 9, 1939, Serial No. 272,696
4 Claims. (Cl. 15—76)

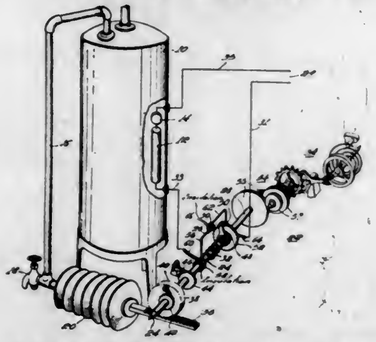
1. A tumbler washer comprising a support, a pair of spaced brushes rotatably mounted on said support, an intermediate brush rotatably and slidably mounted on the support, a shaft journaled on the support, means operatively connecting the brushes to said shaft for actuation thereby, an electric motor operatively connected to the shaft for actuating same, a switch for controlling said motor, and means operatively connecting said switch to the intermediate brush for opera-

tion thereby upon sliding movement thereof, the last named means including a slidably mounted plunger operable by the intermediate brush, a slidable rod, coacting cams operatively connecting



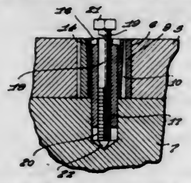
said rod to the plunger for actuation thereby, a second slidable rod operatively connected to the switch, and coacting cams operatively connecting the second named rod to the first named rod for actuation thereby.

2,242,362
ELECTRIC WATER HEATER SYSTEM
Ralph E. Marbury, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 27, 1939, Serial No. 286,829
8 Claims. (Cl. 219—39)



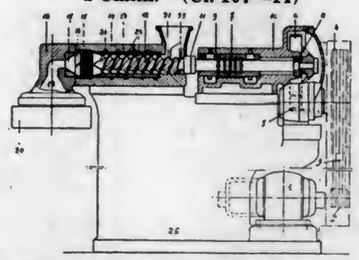
1. In a fluid heating system, the combination with a container for the fluid, and controllable means other than the fluid for imparting heat to said contained fluid, of means other than the fluid responsive to the mere removal of such fluid from the container for rendering the heat-imparting means ineffective for a predetermined period proportionate to the number of removals after the initiation of such removal.

2,242,363
ADJUSTING MEANS FOR CUTTING STEELS
Joseph H. M. Michon, Toledo, Ohio
Application October 31, 1940, Serial No. 363,782
12 Claims. (Cl. 164—118)



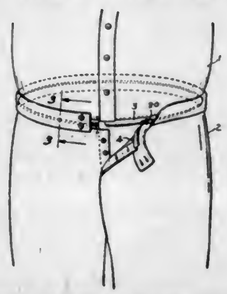
1. The combination with relatively stationary and movable members, of an adjusting device including inner and outer eccentric sleeves mounted on one of said members for adjusting the movable member laterally with respect to the stationary member, and a dowel receiving locking sleeve engaging the adjacent eccentric sleeve for holding said eccentric sleeves in adjusted position when the stationary and movable members are separated.

2,242,364
MACHINE FOR MANUFACTURING MACARONI AUTOMATICALLY
Cesare Montanari, Milan, Italy
Application June 3, 1939, Serial No. 277,282
In Italy June 18, 1938
1 Claim. (Cl. 107—14)



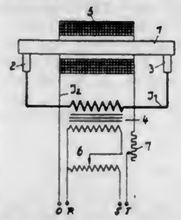
A continuous machine for the automatic production of macaroni including an elongated cylindrical casing, an upright inlet hopper at one end thereof, a discharge head at the other end of the casing, a die supporting ring at the outer end of the discharge head, an elongated screw of uniform cross section rotatably mounted in the bottom of the feed hopper and the major portion of the casing and terminating short of the other end of the casing, the interior of the casing housing the screw and the bottom of the feed hopper having uniform spiral grooves of a pitch opposite to that of the screw, and perforated plates arranged transversely of the casing near the discharge head.

2,242,365
WEARING APPAREL
John Muhr, Osborn, Ohio
Application January 4, 1939, Serial No. 249,232
1 Claim. (Cl. 2—70)



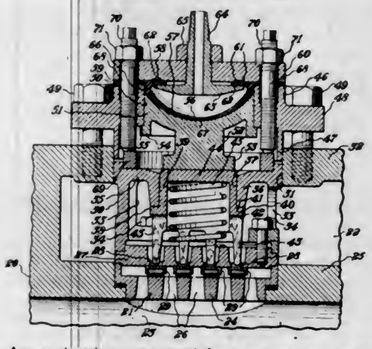
In a garment assembly having an upper garment terminating at the waist line, said upper garment being provided with a stringer and a slide fastener attached along the bottom thereof, said garment assembly including a lower garment, a stringer attached to the top of the main body portion of the lower garment, said second stringer extending upwardly from the top of the main body portion, said stringers being provided with interlocking fastening members secured in position by a sliding member sliding along the stringers, and a camouflaging belt formed by folding the top portion of the material of the lower garment downwardly, then upwardly beyond the top of the main body portion of the lower garment a distance substantially equal to one half the width of said belt so as to conceal the fasteners.

2,242,366
APPARATUS FOR TESTING MAGNETIZABLE WORKPIECES FOR CRACKS
Ernst Müller, Berlin-Spandau, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application October 20, 1937, Serial No. 169,937
In Germany December 22, 1936
7 Claims. (Cl. 175—183)



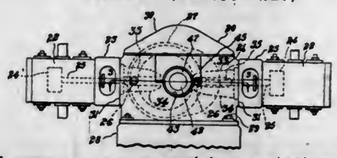
1. In an arrangement for testing magnetizable workpieces for cracks by magnetizing the workpiece and rinsing it with a liquid containing iron filings, means for passing a current through the workpiece, said means having terminals for contacting the workpiece at points spaced apart in the longitudinal direction of the workpiece, a magnetization winding disposed to surround the workpiece, and circuit means for alternately operating said means and said magnetization winding in a rapid sequence to produce in the workpiece alternating magnet fields of substantially perpendicular directions relative to each other, in order to cause said material to simultaneously indicate cracks of any direction.

2,242,367
VALVE LIFTER
Julius Naab, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application February 2, 1939, Serial No. 254,169
2 Claims. (Cl. 137—157)



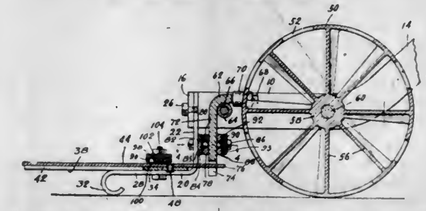
1. An actuator, comprising a casing, a flexible sack in the casing having an outwardly extending flange to seat against the casing, a member to seat upon the flange for pressing said flange against the casing, an inwardly extending flange on the sack, and means for clamping the inwardly extending flange against the member.

2,242,368
COMPRESSOR
Julius Naab, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application July 11, 1939, Serial No. 283,834
7 Claims. (Cl. 230—217)



1. A compressor, comprising a stationary casing, a cylinder on the exterior of and supported only by the casing, a reciprocatory piston in the cylinder having a crosshead, a guide on the casing for the crosshead extending into the casing, and a rotary member in the casing for actuating the piston and having an annular way eccentric to the axis of rotation of the member to receive the crosshead.

2,242,369
GRASS CUTTER
Thomas C. Newton, Brookline, Mass.
Application April 18, 1939, Serial No. 268,537
10 Claims. (Cl. 56—246)

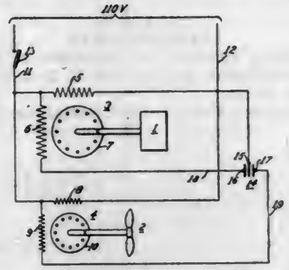


1. In a grass cutter, a movable cutter element, a ground engaging cam wheel in the rear of said cutter element, a reciprocatory slide member interposed between said cutter element and wheel, a support for said slide member disposed in front of and parallel with the axis of said wheel and on which support said slide member is reciprocable in a straight line, operative connections between said slide member and said cutter and wheel by which said slide member is reciprocated upon rotation of said wheel to effect the operation of said cutter element, and means engageable with said slide member between said support and one of said connections for holding said slide member against turning movement on said support.

2,242,370
CAPACITOR-TYPE MOTOR FOR REFRIGERATING APPARATUS
Lewis C. Packer, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 4, 1940, Serial No. 327,828
2 Claims. (Cl. 172—278)

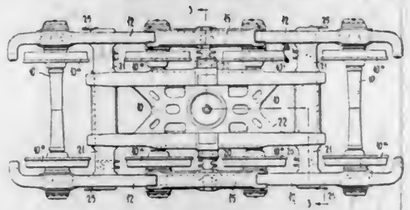
1. In combination, two capacitor motors, each having a main winding and a capacitor-winding, a single pair of single-phase supply-line con-

ductors therefor, and a single capacitor therefor, characterized by the capacitor having an intermediate tap as well as two terminal members, one of the supply-line conductors being con-



nected to the intermediate tap, and the two terminal members being connected to the other supply-line conductor in series with the respective capacitor-windings of the two motors.

2,242,371
CAR TRUCK
Claude L. Orr, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application December 19, 1938, Serial No. 246,734
17 Claims. (Cl. 105—183)



1. In a railway car truck, wheel-supported axles having journal boxes, a side frame system at each side of the truck comprising a pair of end side frame members and a pair of intermediate members, one of the intermediate members yieldingly supporting the other one of the intermediate members, one of the intermediate members being an equalizer and the other an intermediate side frame member, one of the intermediate members being supported by intermediate journal boxes, the end frame members having their inner end portions movably connected to the end portions of the yieldingly supported intermediate member, and each end frame member being spring supported by one of the end journal boxes.

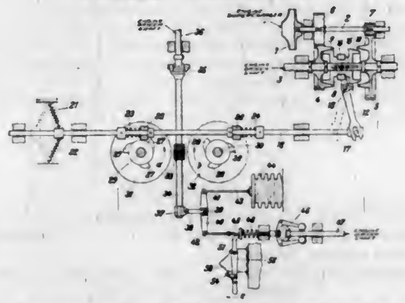
2,242,372
METHOD OF MAKING POROUS ARTICLES
George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application July 26, 1938, Serial No. 221,361
10 Claims. (Cl. 18—48)

1. Method of making porous articles, which comprises dissolving an organic derivative of cellulose with the aid of heat and pressure in a liquid containing an active volatile solvent and a liquid precipitating agent in such proportions that under atmospheric temperature and pressure the said liquid has substantially no solvent action on said organic derivative of cellulose, and quickly releasing the pressure from a substantial mass of the solution.

2,242,373
PROCESS FOR PRODUCING POROUS CELLULOSE DERIVATIVES HAVING AN INCREASED RATE OF SOLUBILITY
George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application August 24, 1938, Serial No. 226,588
8 Claims. (Cl. 260—230)

1. Process for the production of derivatives of cellulose having an increased rate of solution in solvents therefor, which comprises dissolving a derivative of cellulose selected from the group consisting of the lower fatty acid esters of cellulose and cellulose ethers with the aid of heat and pressure in a liquid containing an active solvent in a proportion of 35 to 45% and a precipitating liquid in a proportion of 65 to 55%, quickly releasing the pressure to form a porous mass and then grinding the porous derivative of cellulose into particle size.

2,242,374
AUTOMATIC CONTROL OF TWO-SPEED GEARS IN AIRCRAFT
Erich Schultz and Friedrich Bielitz, Dessau, Germany, assignors to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany
Application August 23, 1938, Serial No. 226,264
In Germany September 11, 1937
8 Claims. (Cl. 123—119)

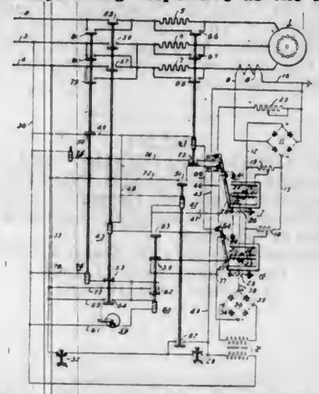


1. In combination with an aircraft engine supercharger having a change speed transmission and a clutch therefor, clutch control means for said transmission comprising a snap action shifting mechanism connected to said clutch, and means for automatically actuating said mechanism in either of two directions.

2,242,375
ALTERNATING CURRENT LIMIT ACCELERATION
James G. Stephenson, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 25, 1939, Serial No. 269,947
10 Claims. (Cl. 172—289)

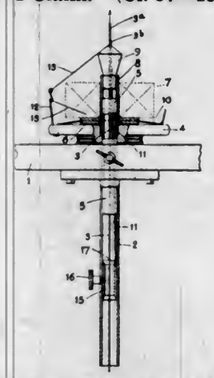
1. In a speed control system for an electric motor, including, in combination, an alternating current motor, a power source therefor including a plurality of power lines, a resistance in each

of said power lines in series with said motor for controlling the speed thereof, a current transformer comprising primary and secondary windings, the primary being in series with one of said lines, a rectifier in circuit relationship with said secondary, a pair of relays which are fed at least in part by direct current from said rectifier, one of said relays being responsive as the result of



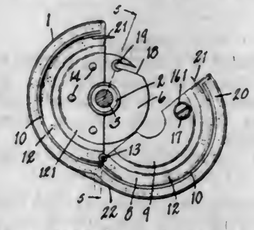
decrease in current in said current transformer caused by acceleration of said motor to shunt said resistances thereby effecting further increase in speed of said motor, the other relay being responsive solely to decrease in current in said motor caused by said further increase in speed to effect a further control function, each of said relays including a variable resistor for adjusting their respective relative responsiveness.

2,242,376
MANUFACTURE OF COVERED WIRE
Wilson Stoker, St. John's Wood, London, England
Application June 18, 1938, Serial No. 214,610
In Great Britain June 18, 1937
1 Claim. (Cl. 57—18)



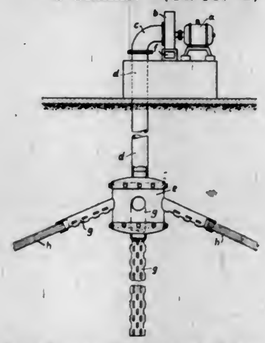
An apparatus for winding and spreading yarn coverings onto a moving limp wire core, comprising, a stationary supporting tube, a spinning base rotatable about said supporting tube, a yarn guide mounted in a fixed position on the rotatable spinning base, an axle tube carried by and rotatable with said spinning base, and a yarn spreading head carried by and rotatable with said axle tube and spinning base and having a fixed relation to the yarn guide to rotate in synchronism therewith, said yarn spreading head having a central wire core passage surrounded at its exit end by a flat conical yarn engaging surface disposed transversely of the path of the yarn for flattening and spreading the yarn as it is fed to the core without lateral drag.

2,242,377
SANDING DRUM
William H. Van Zomeren, Kalamazoo, Mich.
Application August 10, 1939, Serial No. 289,413
15 Claims. (Cl. 51—194)



14. A drum assembly of the type described adapted for ready positioning and securing on the arbor of an actuating machine and for ready removal and replacement of a surface finishing web thereon, comprising a hub member adapted to be positioned on said arbor and to abut a shoulder on the latter, a pair of coacting drum elements pivotally connected together, said drum elements each being made up of a pair of flanged sheet metal members disposed back to back and secured together to provide a rim portion and having oppositely struck-out web portions providing an internal semi-circular annular channel, said hub member having a radially extending annular flange receivable in the channels of said elements, means for fixedly securing said flange in one of said channels, and means for locking the elements in operative coacting relation with the other channel receiving said hub flange.

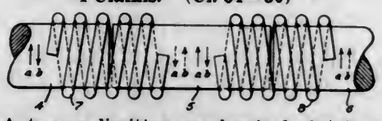
2,242,378
VENTILATION OF ROOMS AND THE LIKE
Wilhelm Vollbach, Cologne-Worringen, and Josef Hennig, Cologne-Ehrenfeld, Germany, assignors to "Marschall" Auto-Motorradteile-Vertrieb Körnig & Co. Kom. Ges., Cologne-Ehrenfeld, Germany
Application March 10, 1938, Serial No. 195,170
In France March 31, 1937
3 Claims. (Cl. 98—1)



1. A plant for ventilating and tempering rooms of all kinds, comprising an air pump arranged to deliver air to the room to be ventilated, an air reservoir having a plurality of inlets and perforated air conveying pipes connected to said in-

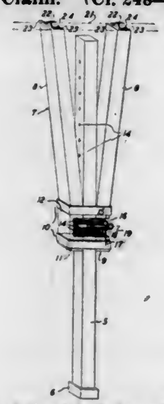
lets and snugly engaged by the soil for guiding the soil air to said inlets, said air conveying pipes and inlets being located below the surface of the soil at such a depth that any air passing through said inlets into the air reservoir from above the surface of the soil is filtered by a vertical layer of soil sufficient to prevent the ingress into the reservoir of noxious vapours or gas in the air at the surface, and a suction pipe connected up to said air pump and air reservoir, so as to enable the air pump to draw filtered air from said reservoir.

2,242,379
TORQUE LIMITING DEVICE
Arthur M. Wahl, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 10, 1940, Serial No. 313,240
4 Claims. (Cl. 64—30)



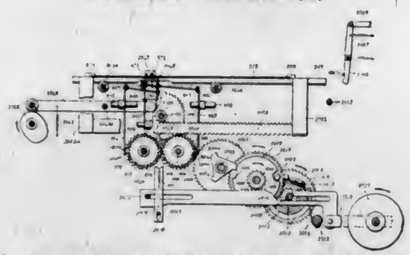
1. A torque limiting mechanical clutch comprising a reversible driving shaft, an intermediate shaft, a spring closely fitted about the end portions of said shafts, a driven shaft, a second spring closely fitted about the other end of said intermediate shaft and said driven shaft, said springs being wound in opposite directions from each other.

2,242,380
CEILING WALLBOARD TOOL
Louie M. White, Hermiston, Oreg.
Application February 13, 1939, Serial No. 256,092
1 Claim. (Cl. 248—354)



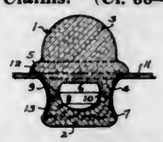
In a device of the kind described, a prop comprising a straight lower section and a forked upper section for supporting a ceiling board, said upper section including a pair of arms slidably arranged in a V-formation at opposite sides of the upper end of the lower section, spaced metal bands embracing the converged lower ends of the forked upper section and the slidably interposed end of the lower section, said bands being anchored to the converged lower ends of the upper section, there being a series of spaced adjustment holes formed in longitudinal alignment on one side of the upper end of the lower section contiguous to an arm of the upper section, and a registering hole formed through the lower end of the contiguous convergent arm of the upper section, a metal supporting tab anchored at its lower end to the lower metal band, on the side of the structure carrying the holes aforesaid, there being a hole formed through the upper free end of the said tab in transverse alignment with the hole through the lower end of the arm of the upper section, and a bolt adapted for slidable insertion through the aligned holes of the supporting tab and arm of the upper section into one of the adjustment holes of the lower section, for adjustably locking the sections together.

2,242,381
RECORD SHEET POSITIONING MEANS FOR BOOKKEEPING MACHINES AND THE LIKE
Kurt Aurbach, Bielefeld, Germany, assignor to Anker-Werke, A. G., Bielefeld, Germany, a corporation of Germany
Application April 25, 1939, Serial No. 269,885
In Germany April 27, 1938
19 Claims. (Cl. 101—93)



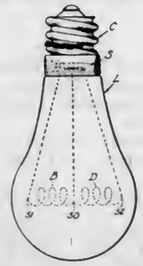
1. In a machine of the class described, a printing mechanism including a line of type members, a record sheet holder into which a record sheet can be inserted from the outside of the machine, a unidirectional driving means, gearing connecting said driving means with said record sheet holder and adapted to move the latter transversely to said line of type, said gearing including two differential gear mechanisms adapted to transmit the drive to said record sheet holder in the two opposite directions transverse to said line of type, and means including a feeler mechanism coacting with the record sheet on said holder for controlling the alternative operation of said differential gear mechanisms.

2,242,382
REFLECTOR BUTTON
Harry Bastow, Pittsburgh, Pa.
Application March 5, 1938, Serial No. 194,116
5 Claims. (Cl. 88—82)



1. In a reflector button, a glass lens section including a forwardly disposed lens portion, a shank portion merging at its forward end into the rear end of and extending rearwardly from said lens portion, and an outwardly directed endless flange portion on the rear part of the lens portion immediately in advance of the point of mergence between said lens and shank portions, said shank portion being formed with a pocket opening at the rear end thereof, a reflector carrying section formed of a glass body of less diameter than said flange and having a forward end corresponding in diameter to the rear end of said shank portion, said body being formed with a reflector chamber opening at the forward end thereof, said pocket having a side and front wall, said chamber having a side and a rear wall, the side wall of said chamber forming a flush continuation of the side wall of said pocket, the rear end of said shank portion and the forward end of said body being interengaged and fused together to form an impervious hollow substantially solid button, and a reflecting means disposed throughout the walls of said chamber.

2,242,383
LAMP SWITCH
Francis Cheyney Beekley, West Hartford, Conn.
Application February 7, 1939, Serial No. 255,059
17 Claims. (Cl. 176—27)

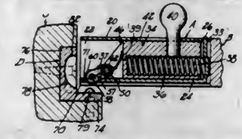


1. In combination with a lamp having a pair of filaments, a base therefor, a pair of electrical contacts on said base, a switch positioned in the base comprising an electrically energizable coil having an armature receiving aperture, a rotatably mounted armature segment having spaced free ends and of such size as to enter into the aperture thereof, a pair of spaced contact members, means electrically connecting one of said contact members to one end of one of said filaments, means electrically connecting the other end of said filament and one end of the other filament to one of said base contacts, means electrically connecting the other end of the other filament to one end of the coil, means electrically connecting the other side of the coil to the other of said base contacts, a spiral spring connected to said armature segment for rotation therewith and having a radially outwardly extending contact portion positioned between said contact members, and means electrically connecting said spring to the base contact to which said coil is connected.

2,242,384
PROCESS FOR MAKING A SULPHUR PREPARATION FOR USE IN PROTECTING PLANTS AGAINST ATTACKS OF LIVING ORGANISMS
Frederik L. Begtrup, Svebolle, Denmark
No Drawing. Application November 4, 1936, Serial No. 109,118. In Denmark November 23, 1935
3 Claims. (Cl. 167—20)

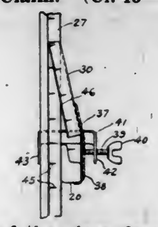
1. The herein described process of making a dusting preparation for use in protecting plants against attack by living organisms, consisting in absorbing a lime-sulphur solution in finely divided neutral material which is insoluble in the solution, the solution being in a quantity insufficient to wet the surfaces of the particles of the material, maintaining the temperature of the mixture below the melting point of sulphur, in drying the resulting mass, and in reducing the dried product to a powder.

2,242,385
LATCH
Kurt Beyrodt, Hartford, Conn.
Application January 28, 1939, Serial No. 253,306
4 Claims. (Cl. 292—332)



1. In a latch of the character described, a casing, a bolt positioned in said casing, a pivoted latching pawl carried by the bolt, a light spring normally urging said latching pawl in one direction, heavy spring means normally urging said bolt and pawl to latching position, a keeper against which said latching pawl is adapted to strike, said keeper including a cam terminating in a seat located above the pivot of said latching pawl, said heavy spring means for urging said bolt forwardly being of sufficient strength to cause said pawl to follow said cam and pivot against the normal tension of said latching pawl spring and into said seat.

2,242,386
CURTAIN STRETCHER
Walter W. Block and Frank Block, Kenosha, Wis.
Application January 13, 1939, Serial No. 250,730
1 Claim. (Cl. 45—24)

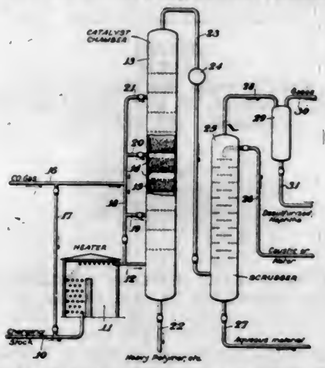


In a device of the class described, adjustable rails having pin-bearing surfaces for stretching curtains thereon, a bridge for interconnecting the pin-bearing surfaces of rails intersecting in separate planes, the lower end of said bridge formed to engage in the rabbet of the rail it overlies, and a flange at the upper end of the bridge extending downwardly to engage an edge of the transverse intersecting rail, a bolt anchored in the upper end of the bridge and extending upwardly therefrom, the said bolt having a thread thereon, a wing handle on the outer end of the bolt for turning the latter and a C clamp having a threaded aperture in its upper end engaged with said bolt, the said clamp adapted with its opposite end to compress and hold rigid the intersecting rails against the bridge when said bolt is tightened.

2,242,387
CATALYTIC DESULPHURIZATION
George A. Boyd, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application October 9, 1937, Serial No. 168,119
6 Claims. (Cl. 196—28)

1. The method of desulphurizing light naphtha

which comprises heating a sulphur-bearing light naphtha stock to a temperature of about 375 to about 475° F., introducing carbon monoxide into



said naphtha and contacting the mixture of carbon monoxide and heated naphtha with a catalyst containing alumina.

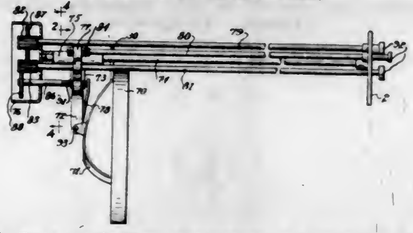
2,242,388

REFLECTOR ADJUSTING MECHANISM FOR PROJECTION LAMPS

Karl Brenkert, Detroit, Mich., assignor to Brenkert Light Projection Company, Detroit, Mich., a corporation of Michigan

Original application July 5, 1938, Serial No. 217,385. Divided and this application January 21, 1939, Serial No. 252,147

5 Claims. (Cl. 240—44.1)



1. In a projection apparatus, a housing, guide means mounted lengthwise in said housing, a supporting member slidably mounted on said means, a reflector support pivotally carried by said member, a reflector frame pivotally carried by said support on an axis perpendicular to the pivotal axis of said support, means for selectively tilting said support and frame on their respective pivotal axes, means for bodily moving said supporting member on said guide means, said tilting means and said moving means being disposed at the rear side of said frame, and operating members extending from said tilting means and said moving means across the periphery of said frame and through the front wall of said housing.

2,242,389

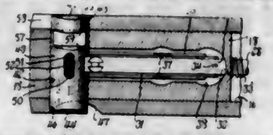
BOLT-ACTION FIREARM CONSTRUCTION

Frank F. Burton, Mount Carmel, Conn., assignor, by mesne assignments, to Western Cartridge Company, a corporation of Delaware

Application October 8, 1938, Serial No. 233,941

8 Claims. (Cl. 42—16)

1. A bolt-action firearm-construction including in combination: a receiver having an opening at its rear end; a breech-bolt normally in the said receiver and removable through the opening in the rear end thereof; a receiver-plug removably mounted in the opening in the rear end of the said receiver to the rear of and in line with the path of withdrawal of the said breech-bolt therefrom and provided with a transversely arranged cylindrically-contoured locking-bolt-receiving passage; a cylindrically-contoured locking-bolt extending through the locking-bolt-re-



ceiving passage in the said receiver-plug and engageable with the said receiver to releasably hold the said receiver-plug in place in the said receiver, the said locking-bolt being provided with a transverse limiting-passage; and a limiting-pin extending into the limiting-passage in the said locking-bolt and rigidly carried by the said receiver-plug.

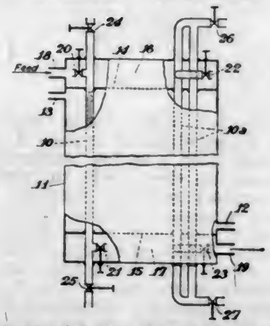
2,242,390

CATALYTIC APPARATUS

Morris T. Carpenter, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 11, 1937, Serial No. 179,298

9 Claims. (Cl. 196—52)



1. An apparatus for conducting catalytic gas reactions wherein the catalyst is rendered inactive and is revivified by treatment with an oxidizing gas, comprising a plurality of catalyst tubes in direct thermal communication arranged in parallel within a single container, a header space at each end of said container to introduce and withdraw hydrocarbon vapors undergoing treatment, means for independently communicating and discommunicating selected tubes with said header spaces without interrupting the reaction in adjacent tubes and means for passing an oxidizing gas through said tubes when out of communication with said header spaces.

4. In an apparatus for the conversion of hydrocarbon oils into gasoline of high knock rating, wherein the vapor of said oil is heated to an elevated temperature, above 800° F., and subjected to the action of a catalyst, whereupon an endothermic conversion of said oils takes place, with the deposition of carbonaceous matter on said catalyst, the improvement comprising means for disposing said catalyst in parallel, vertical, elongated passages of narrow cross section, hereinafter called catalyst tubes in direct radiant thermal communication, a single chamber surrounding said catalyst tubes, means for forcing said hydrocarbon vapors through said catalyst tubes, means for interrupting the flow of said vapors in a selected number of tubes, means for revivifying the catalyst in said selected tubes by forcing heated air therethrough simultaneously with the treatment of hydrocarbon gases in adjacent tubes whereby heat generated during said revivification in said selected tubes is transferred by radiation and convection to said catalyst employed in simultaneously treating said gases, and closure means at both ends of said tubes whereby the catalyst may be removed from and replaced in selected tubes when deteriorated beyond the point of regenerability while continuing the operation of the remaining tubes.

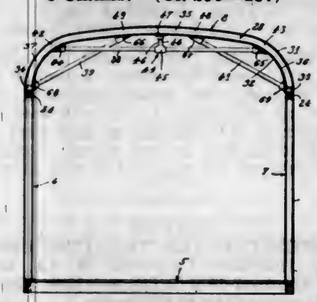
2,242,391

TRAILER

Lee G. Daniels, Rockford, Ill.

Application November 5, 1938, Serial No. 238,995

3 Claims. (Cl. 296—137)



1. The combination in a house trailer of a permanently assembled body having a wedge-shaped front end, a living room space adjacent thereto and an arched bowed roof having a plurality of full length cross bows and a plurality of shorter roof bows over said front end, an interior covering for said body, a strutted bracing means attached to the interior of the first full length bow, plates adapted to seat against the inner surface of the body and over said covering, and attachment means for removing and replacing said bracing means to rigidly connect the ends of said first bow to prevent weaving and for ready removal and resurfacing of said covering, said bracing means being located at sufficient height to extend the living room of the trailer into the wedge-shaped front end to permit the occupant to walk the full length of the living room.

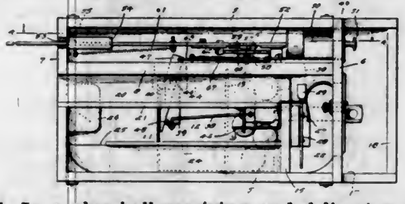
2,242,392

BALL DISPENSING ATTACHMENT FOR POOL TABLES

Cecil L. Guy, Crystal Springs, Miss.

Application July 8, 1939, Serial No. 283,483

5 Claims. (Cl. 273—11)



1. In a play ball receiving and delivering device of the character set forth, including a casing, a ball receiving runway within the casing, a lower end discharging into a ball collecting area in the lower part of the casing, a ball receiving tray disposed beneath the casing and having an open side accessible from the exterior of the casing for the removal of balls; a gate normally preventing the escape of balls from said collecting area into said tray, means intermediate the ends of said runway forming a ball trap for a predetermined number of balls, a reciprocable scratched ball drawer arranged adjacent said ball trapping means, mechanism controlling the opening of said drawer whereby the latter may be manually opened a predetermined number of times, means for shifting a ball from said ball trap into said drawer, and mechanism operable from the outside of the casing facilitating the opening of said gate for the discharge of balls from the receiving area into the tray, the discharge of balls from the ball trap into the ball receiving area, and the re-setting of said scratched ball drawer controlling mechanism.

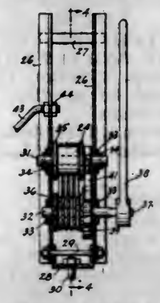
2,242,393

CABLE HOIST

Hugh Adam Harrison, Dallas, Tex., assignor of one-half to Hugh Roy Harrison, Dallas, Tex.

Application October 4, 1937, Serial No. 167,120

1 Claim. (Cl. 254—177)



A cable hoist having a frame, a pair of spaced shafts mounted in said frame, one of said shafts being rotatable and the other fixed, a lower drum axially fixed to said rotatable shaft and an upper drum axially rotatable on said fixed shaft, a suspended cable having a plurality of loops wound around said drums, said cable depending from above said hoist about said lower drum, then upwardly over said upper drum, and so for a number of turns and finally extending downwardly from said upper drum, a ratchet wheel and operating handle fixed to said rotatable shaft and a pawl loosely mounted on said fixed shaft cooperating with said wheel.

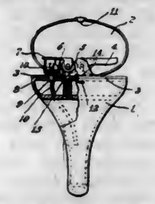
2,242,394

RING-LIGHTER

Belle C. Harriss, New York, N. Y.

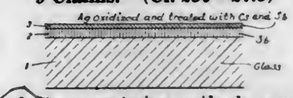
Application September 23, 1938, Serial No. 231,323

2 Claims. (Cl. 67—4.1)



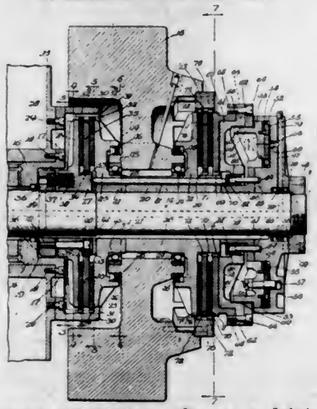
1. A cigarette lighter, comprising a ring portion for engaging about a finger of the wearer and a bezel portion having an enlarged, substantially flat top, the upper part of the ring portion merging with the bezel portion, said ring portion being hollow and forming a fuel reservoir, a pyrophoric lighter mounted on the top of said bezel portion and having an elongated wick extending downwardly into said hollow ring portion, and a cap pivoted to the upper part of said bezel portion to cover said pyrophoric lighter.

2,242,395
ELECTRON EMISSIVE CATHODE
Werner Hartmann, Berlin-Zehlendorf, and Herbert Wulfhekel, Berlin-Steglitz, Germany, assignors to Fernseh Aktiengeselischaft, Berlin-Zehlendorf, Germany, a company of Germany
Application June 14, 1939, Serial No. 279,028
In Germany June 18, 1938
9 Claims. (Cl. 250—27.5)



9. An electron emissive cathode comprising a layer of an electron emissive metal sensitized with a metal of the group containing antimony and bismuth and an underlying layer of a metal of the group containing antimony and bismuth to minimize the concentration gradient of said sensitizing metal.

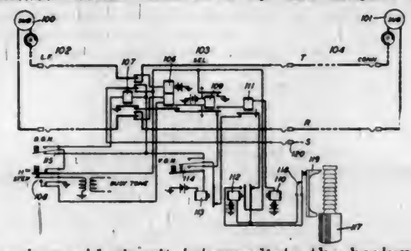
2,242,396
COMBINED FLUID PRESSURE CLUTCH, BRAKE, AND FLYWHEEL
Einar K. Johansen, Chicago, Ill., assignor to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois
Application March 5, 1940, Serial No. 322,302
13 Claims. (Cl. 192—18)



1. A press embodying a frame, a driving shaft journaled in the frame and projecting a substantial distance beyond one of the walls of the frame, the shaft beyond the outer face of the frame being unsupported, friction brake mechanism, friction clutch mechanism, both of said mechanisms being supported by the shaft, a fly wheel supported by the shaft intermediate the brake and clutch mechanisms and maintained against movement laterally upon the shaft, and remote from the extremity of the projecting end of the shaft, mechanical means incorporated within said brake and rotatable with a portion of the brake for controlling said brake, and fluid pressure operated means incorporated within and rotatable with a portion of said clutch for controlling it, said fluid pressure operated means operating in opposition to the said mechanical means.

2,242,397
TELEPHONE SYSTEM
Joseph A. Kater, Teaneck, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 3, 1939, Serial No. 259,499
10 Claims. (Cl. 179—18)

1. The combination in a step-by-step switch having a brush shaft, a stepping magnet responsive to each of a series of energizations for imparting to said shaft a movement corresponding to one step, a circuit for energizing said magnet to initiate the step movement of the shaft, contact means controlled by the magnet for

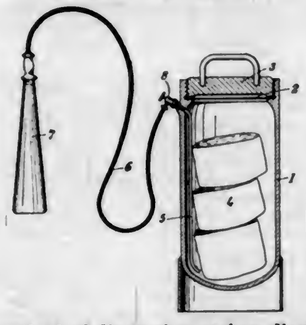


opening said circuit intermediate the beginning and end of the step movement, a second circuit for the magnet, and means operated by the movement of said shaft for closing said second circuit prior to the opening of said first circuit and for holding said second circuit closed until the shaft reaches the end of the step movement.

2,242,398
COMPOSITION FOR TREATING COAL
Werner E. Kleinicke, Coalwood, W. Va., assignor to The Johnson-March Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 8, 1938, Serial No. 239,509
7 Claims. (Cl. 44—6)

1. A non-aqueous composition for treating coal in the form of free-flowing, separate particles or fragments to render it clean and dustless, said composition comprising a petroleum oil having a universal viscosity at 100° F. not substantially less than 100 and rosin in solution therein in the ratio of one part of rosin to nine parts of petroleum oil to one part of rosin to one part of petroleum oil by weight, the said solution being non-hardening and non-evaporable under atmospheric conditions.

2,242,399
FIRE EXTINGUISHING SYSTEM
Rudolf Kürth, Babelsberg, near Berlin, Germany
Application May 2, 1939, Serial No. 271,257
In Germany March 16, 1936
1 Claim. (Cl. 169—11)



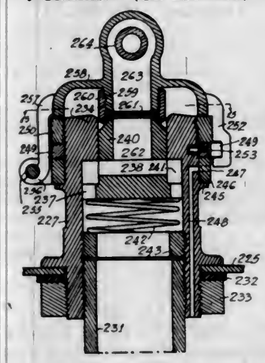
The method of dispensing carbon dioxide snow as a fire extinguishing medium, which comprises confining solid carbon dioxide in an air tight space in sufficient quantity with respect to the space so as to develop a pressure greater than 60.88 lbs. per square inch, allowing the solid carbon dioxide to melt and vaporize and thereby to develop said pressure, and thereafter venting liquid carbon dioxide from the lower part of the space and discharging same and thus producing carbon dioxide snow.

2,242,400
EXTREME PRESSURE LUBRICANT
Clarence M. Loane and Bernard H. Shoemaker, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application September 13, 1937, Serial No. 163,652
2 Claims. (Cl. 252—54)

1. An extreme pressure lubricant containing from about 0.01% to about 5% of tetra chloropropyl silicate, having the structural formula

$$\begin{array}{l} OC_3H_6Cl \\ C_3H_6ClO-Si-OC_3H_6Cl \\ OC_3H_6Cl \end{array}$$

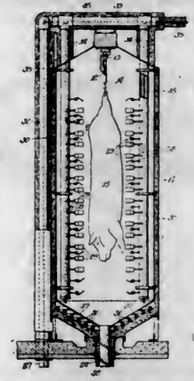
2,242,401
SIPHON
Matthew H. Loughridge, Bogota, N. J.
Application August 6, 1938, Serial No. 223,514
7 Claims. (Cl. 137—20)



1. A siphon system for closed containers, comprising a hollow body in sealed connection with the top of the container and having an orifice with a spring seated valve, a tube extending from said body to substantially the bottom of the container, a ledge on said body, a head detachably latched to said ledge and a tube secured to said body by said head and forming with the tube in the container a siphon and means for unseating said valve when the head is attached to the body.

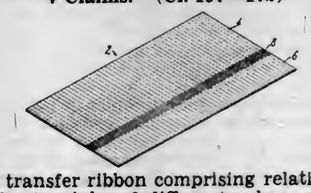
2,242,402
APPARATUS FOR DEPILATING FOOD CARCASSES
Walton L. McCaslin, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
Application August 18, 1938, Serial No. 225,506
4 Claims. (Cl. 17—1)

1. An apparatus for depilating animal carcasses comprising a cabinet, means for conveying the carcasses continuously with their head portions lowermost, a conduit system for carrying liquid coating material into said cabinet and adjacent said carcasses as they pass there-through, nozzles connected with said system and equipped with spreaders arranged to project substantially vertical sheets of coating material onto said carcasses, and nozzles connected with said system and equipped with spreaders arranged to project



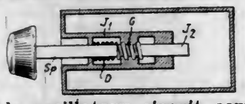
sheets of coating material in generally horizontal planes, said last-mentioned nozzles being positioned to direct coating material against the head portion of the carcasses.

2,242,403
INK TRANSFER RIBBON
Samuel A. Neidich, Ventnor City, N. J., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 23, 1939, Serial No. 280,697
7 Claims. (Cl. 197—172)



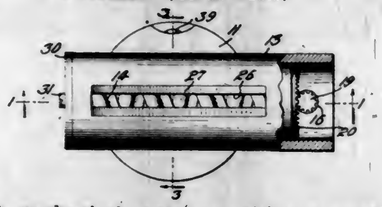
1. A transfer ribbon comprising relatively wide strips having inks of different colors, each containing oil and an oil soluble coloring material and a relatively narrow intermediate strip adjoining said first two strips and having an ink containing no oil soluble coloring material.

2,242,404
TUNABLE OSCILLATORY CIRCUIT FOR ULTRA-SHORT WAVES
Karl Schüssler, Berlin, Germany, assignor to Telefunken Geselischaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 18, 1939, Serial No. 305,089
In Germany October 19, 1938
5 Claims. (Cl. 178—44)



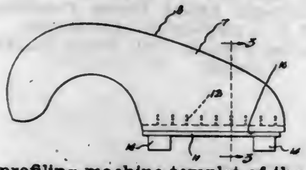
1. A tunable oscillatory circuit comprising a section of a concentric line having an outer conductor and an inner conductor, said inner conductor being composed of two parts of appreciably different diameters, a connection between the inner conductor and the outer conductor at one end, the free end of said inner conductor being of smaller diameter and adjustable with respect to the fixed end.

2,242,405
SHAVING DEVICE
William S. Sussman, New York, N. Y.
Application October 20, 1939, Serial No. 300,305
9 Claims. (Cl. 30—43.5)



1. A mechanical razor comprising a movable cutting element, a guard formed with a longitudinal bore, the cutting element being positioned within said bore, and means for imparting movement to said cutting element, said element consisting of a helical member formed in transverse section with a thickened portion tapering down to a cutting edge, the guard having a longitudinal slot therein, the cutting edge lying out of contact with the bore in the guard.

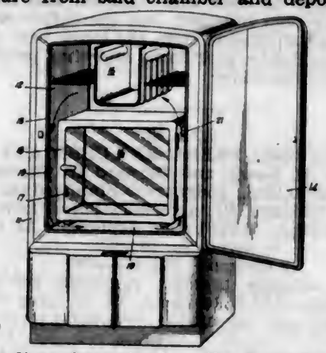
2,242,406
TEMPLET
Alexander P. Stewart, Detroit, Mich.
Application August 11, 1939, Serial No. 289,573
3 Claims. (Cl. 90—62)



1. A profiling machine templet of the class described comprising: a templet body having a contact surface and provided with spaced-apart planar surfaces; carrying means embedded in said planar surfaces and having their outer faces projecting outwardly beyond said planar surface; means for anchoring said carrying means on said body; and attachment means connected to and connecting said carrying means.

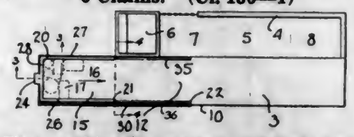
2,242,407
REFRIGERATION APPARATUS
Raymond E. Tobey, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 19, 1939, Serial No. 300,124
7 Claims. (Cl. 62—89)

1. In refrigeration apparatus, the combination of a refrigerator cabinet, a relatively low temperature cooling element for abstracting heat from the air in said cabinet which circulates into contact with the cooling element, said cooling element also abstracting moisture from the air in said cabinet, a substantially enclosed chamber disposed in said cabinet, a substantial part of which is formed of a material of good heat conductivity, said chamber being cooled primarily by conduction of heat through said material to said circulated air so that a relatively high humidity is maintained therein, and means for controlling the amount of moisture in said chamber, said means comprising movable dampers which afford circulation through said chamber of relatively small amounts of the dry air which contacts said cooling element to withdraw moisture from said chamber and deposit it on



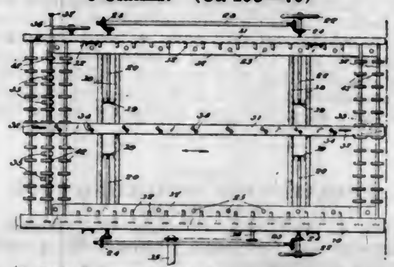
the cooling element when the humidity in said chamber is too high, and moisture responsive means for operating said dampers.

2,242,408
MERCHANDISE HANDLER
Ellis D. Turnham, Houston, Tex., assignor to Joe Weingarten, Houston, Tex.
Application October 28, 1938, Serial No. 237,396
6 Claims. (Cl. 186—1)



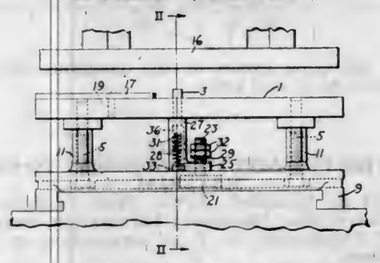
1. The combination with a cashier's counter of an extension thereon, a top on said extension to receive merchanise, and an open bottom enclosure movable relatively to the extension and counter to slide the merchandise along the said top and extension to a position on said counter.

2,242,409
SPEED COMPENSATING CONVEYER
Martin J. Anderson, Ellwood City, Pa., assignor to Mathews Conveyer Company, Ellwood City, Pa., a corporation of Pennsylvania
Application January 8, 1940, Serial No. 312,991
3 Claims. (Cl. 198—76)



1. A speed compensating conveyer system for conveying sheet material comprising two power driven conveyers operating at different speeds and arranged so that the faster driven conveyer will deliver the sheet material to the slower driven conveyer, said slower driven conveyer having a plurality of longitudinally spaced and transversely arranged drive shafts, each provided with a plurality of independently overrunning discs, said discs each having a relatively narrow surface for engaging the sheet material and a relatively small mass whereby each disc contacted by the sheet material will quickly accelerate to the speed of the material and reduce to a minimum the relative movement between the material and surface of the disc, thereby to avoid scratching and marring of the sheet material.

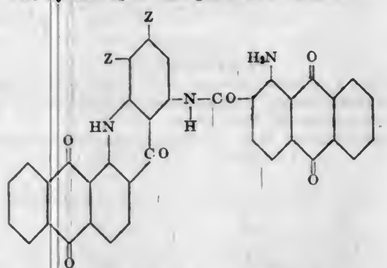
2,242,410
ROUNDING MACHINE
William Arthur Barton, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application March 23, 1940, Serial No. 325,637
In Great Britain April 6, 1939
13 Claims. (Cl. 12—25)



1. In a rounding machine, a pattern arranged for engagement with a blank, means extending through the pattern and by which said blank is located both longitudinally and transversely of the pattern, and means co-operating with the pattern and by which the thus located blank is cut.

2,242,411
VAT DYESTUFFS OF THE ANTHRAQUINONE SERIES AND PROCESS OF MAKING THE SAME
Wilhelm Bauer, Leverkusen-Wiesdorf, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application September 1, 1938, Serial No. 227,965. In Germany September 4, 1937
4 Claims. (Cl. 260—277)

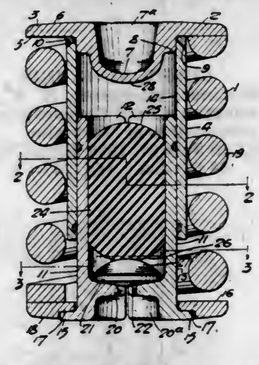
4. Vat dyestuffs of the general formula:



wherein Z stands for a member of the group consisting of hydrogen and halogen, at least one of the Z's being halogen.

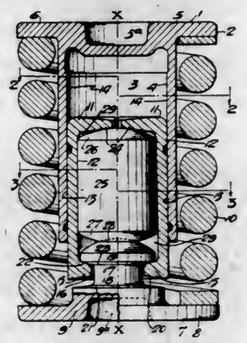
2,242,412
CUSHIONING UNIT
Emil H. Blattner, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application June 23, 1938, Serial No. 215,481
24 Claims. (Cl. 267—9)

1. A cushioning unit comprising a barrel member open at one end and provided at its opposite end with a radially extending flange, a plurality of counterpart shoes extending within said barrel member, each of said shoes including an outwardly extending flange adjacent the one end thereof and an inwardly extending rib in a plane spaced from said flange, a ring bearing upon all of said shoe flanges, a helical spring circumjacent said barrel member and bearing against said radial flange and ring for the purpose of urging said shoes and barrel member apart, a filler block within said unit in intimate contact with said ribs and having a spherically convex surface, a resilient cylinder interposed between



said shoes and bearing against the convex surface of said block, said cylinder being normally circumferentially greater than the inner and normal circumference of said shoes so that upon application of said cylinder to said unit it will be initially compressed, thereby urging said shoes outwardly and into contact with said barrel member, a projection on said barrel member extending inwardly of said unit and being normally spaced from said cylinder, whereupon during a compressive movement of said unit, said projection will engage said cylinder and increase the radial forces which urge the shoes against said barrel member.

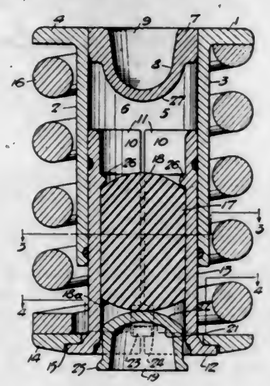
2,242,413
CUSHIONING UNIT
Emil H. Blattner, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application July 27, 1938, Serial No. 221,611
22 Claims. (Cl. 267—9)



1. A cushioning device comprising a tubular

member, a base, spring means acting between said tubular member and base, a protuberance upstanding from said base having a throat and head portion, segmental shoes positioned within said tubular member and each having an angularly disposed flange extending inwardly of the device and underlying said head portion, means for urging said shoes outwardly of the device, a convex surface on said base, and a concave surface on each of said flanges normally spaced from said base surface so that, upon a compressive movement of said device, said surfaces will engage and thereby allow a portion of said device to oscillate about its normal vertical axis without creating any abnormal strains in said unit.

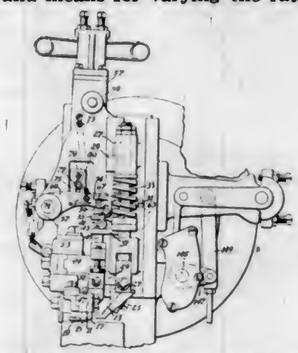
2,242,414
CUSHIONING UNIT
Emil H. Blattner, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application July 27, 1938, Serial No. 221,612
24 Claims. (Cl. 267—9)



1. In a cushioning unit, in combination, a tubular member, segmental shoes movable relative to said tubular member, an annular member in bearing relation with said shoes, spring means positioned so as to react against said tubular and annular members for urging them apart, resilient means arranged to urge said shoes into engagement with said tubular member, a plunger positioned adjacent the extremity of said shoes and having a surface thereof in bearing relation with said resilent means, said plunger having a portion thereof extending beyond said shoes and being movable relative to said shoes whereby, upon a compressive movement of said unit, said plunger will move inwardly of said unit entirely within the confines of said shoes to energize said resilient means.

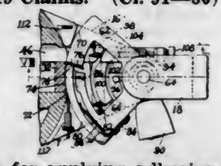
2,242,415
STOCK FITTING MACHINE
William Neil Bray and Charles Martin Bagshaw, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 21, 1939, Serial No. 305,530
In Great Britain December 8, 1938
20 Claims. (Cl. 12—27)

1. A machine for operating upon soles comprising a knife arranged to make cuts in a sole, mechanism for operating said knife periodically in timed relation to the operating cycles of the machine, and means for varying the ratio between



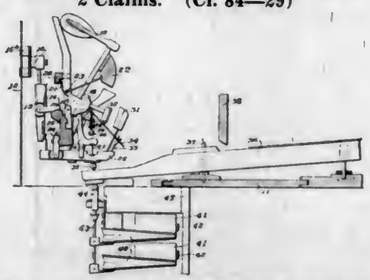
the operating cycles of the machine and the operations of said knife.

2,242,416
DEVICE FOR APPLYING ADHESIVE TO STRIP MATERIAL
Rouel R. Campbell, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 11, 1939, Serial No. 267,325
19 Claims. (Cl. 91—30)



1. A device for applying adhesive to strip material comprising, in combination, means for supplying adhesive to a strip, a support, and means for passing the strip over said support, said strip passing means comprising a pair of jaws, independently movable relatively to said adhesive supplying means, said jaws being constructed and arranged to grip and move with the strip past the discharge orifice.

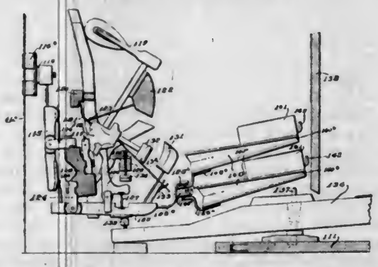
2,242,417
PLAYER PIANO
Tolbert F. Cheek, Bronx, N. Y., assignor to Welte Mignon Piano Corporation, Brooklyn, N. Y., a corporation of New York
Application May 13, 1938, Serial No. 207,842
2 Claims. (Cl. 84—29)



1. In a piano of the type having strings in a substantially vertical plane, a key bed, a piano action having keys and wippens, the wippens

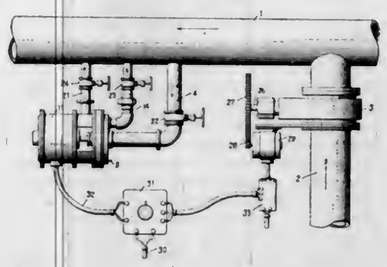
and a substantial part of the remainder of the piano action being located above the bottom of the key bed and below the tops of the keys, the rear ends of the keys operating directly on the wippen; a pneumatic action having pneumatics located immediately below the key bed and in horizontal position for direct vertical movement and having extensions, abstracts connecting the extensions and piano action for direct operation of the wippen from the pneumatic.

2,242,418
PLAYER PIANO
Tolbert F. Cheek, Bronx, N. Y., assignor to Welte Mignon Piano Corporation, Brooklyn, N. Y., a corporation of New York
Application May 13, 1938, Serial No. 207,843
1 Claim. (Cl. 84—28)



In a piano of the type having strings in a substantially vertical plane, a piano action having keys and wippens, the latter being adjacent the rears of the keys and in position to be directly operated by the keys, the key pivot, wippen pivot and contact point of key and wippen being substantially in a straight line; a power action having pneumatics with pivoted members, the pneumatics and wippens having coacting extensions for operation of the wippen by the pneumatic, the wippen pivot, pneumatic pivot and extension contact points being substantially in a straight line.

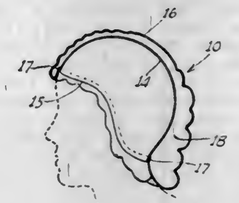
2,242,419
METHOD AND APPARATUS FOR CONTROLLING THE CONSISTENCY OF PAPER STOCK
Edwin Cowles, Hopewell, N. J., assignor to The Cowles Company, Princeton, N. J., a corporation of New Jersey
Application April 2, 1937, Serial No. 134,472
5 Claims. (Cl. 137—78)



1. Method of controlling the consistency of a flowing stream of paper stock which comprises withdrawing stock from said stream, thickening said stock to a degree proportionate to the thickness of the flowing stock, agitating said thickened stock, and adding more or less water to said flowing stream in accordance with the increase or decrease of work required to agitate said thickened stock.

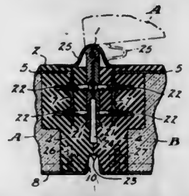
3. Apparatus for controlling the consistency of a flowing stream of paper stock which comprises means for withdrawing a portion of said stream, means for agitating said withdrawn stock, means for thickening said withdrawn stock to a degree proportionate to the thickness of the flowing stock, means for registering variations in the power required to agitate said thickened stock, and means controlled by said last named means for increasing or decreasing the flow of water to said flowing stream in accordance with the increase or decrease in said power requirement.

2,242,420
BATHING CAP
Tigellia Cisco Di Giovanna, Brooklyn, N. Y.
Application December 1, 1939, Serial No. 307,125
1 Claim. (Cl. 2—68)



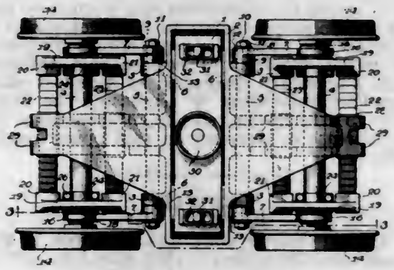
A bathing cap comprising an inner skull cap made of resilient material to fit tightly over the hair and ears of the wearer, and a wig portion over and spaced from the skull cap, said wig comprising a molded sheet simulating a coiffure, the edge of the wig portion being attached to the edge of the skull cap, and forming an air chamber between the skull cap and the wig portion.

2,242,421
REFRIGERATOR CABINET LID
Howard M. Dodge, Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 14, 1938, Serial No. 219,272
5 Claims. (Cl. 220—31)



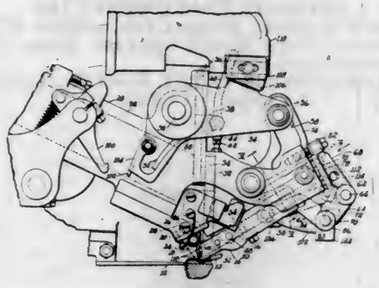
1. A refrigerator cabinet lid which comprises a pair of sections each comprising a top wall of heat-insulating material, peripheral supporting walls depending therefrom, an upper metallic pan underlying the top wall and having a depending flange embedded in the depending wall, a lower metallic pan extending across the bottom of each section, heat-insulating material enclosed in each section, a hinge for hingedly connecting the sections, members of said hinge being secured to the sections by means threaded into the depending flange of the upper pan.

2,242,422
RAILWAY TRUCK
Rupen Eksergian, Lansdowne, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 22, 1939, Serial No. 280,482
5 Claims. (Cl. 105—182)



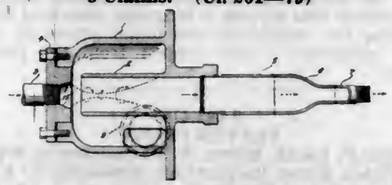
3. A railway truck comprising a frame, a yoke comprising a torsion rod pivoted to the frame to turn freely about its axis in its frame, and arms secured to the ends of the rod, an axle mounted in the ends of the yoke arms, two transverse springs, and two cross pieces carried one at each end of the axle, said springs being located in front of and behind said axle respectively and having their ends carried by the cross pieces, the frame of the truck being in turn supported by said springs.

2,242,423
FASTENING-INSERTING MACHINE
Harold Ernest Elliott and Lawrence Mawbey, Leicester, England, assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 28, 1940, Serial No. 321,292
In Great Britain April 1, 1939
12 Claims. (Cl. 1—20)



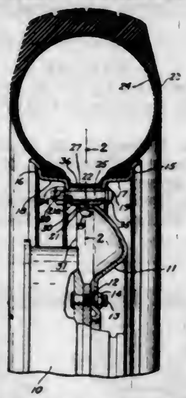
1. In a fastening-inserting machine, the combination with a driver for driving staples, and a deflector for engaging the legs of each staple before they enter the work and for bending said legs in planes extending laterally of the crossbar of the staple to cause them to follow curved paths in the work, of means for effecting relative movement of the driver and the deflector in a direction at an angle to the line of drive near the end of each operative movement of the driver to cause the driver to drive each staple fully into the work and to embed its crossbar in the work.

2,242,424
APPARATUS FOR MIXING OIL WITH STEAM
Andrew J. Fisher, Baltimore County, Md., assignor to The C. M. Kemp Manufacturing Company, a corporation of Maryland
Application March 6, 1939, Serial No. 260,033
5 Claims. (Cl. 261—79)



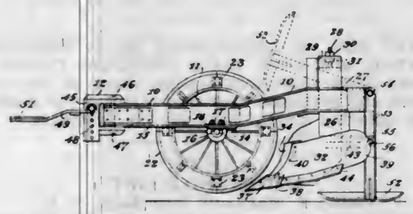
1. Means for mixing oil with steam for an oil burner comprising a cylindrical chamber, a relatively large oil inlet admitting a coherent stream of oil, entering coaxially at one end of said chamber, a discharge tube extending substantially through and coaxially of said chamber, having an entrance terminating adjacent to said oil inlet and being connected at its other end to an oil burner, the outer wall of the tube and the inner wall of the chamber forming a clear passage axially thereof, a steam inlet at the other end of said chamber entering the same tangentially, the entering steam being given a rapid rotating motion by said chamber, and passing lengthwise thereof, is contracted by the passage between the discharge tube entrance and the chamber adjacent the oil inlet, where it picks up the stream of entering oil, and radially contracts the same in said entrance, imparting thereto a cyclonic motion and gradually mixes intimately therewith as oil and steam pass through the tube.

2,242,425
VEHICLE WHEEL
Casimiro Ferro, West New Brighton, Staten Island, N. Y.
Application September 23, 1940, Serial No. 357,911
9 Claims. (Cl. 152—405)



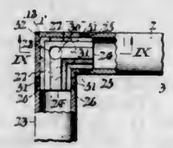
1. In a vehicle wheel, a removable outer section including a drop center tire rim comprising rim sections including spaced side flanges and which are laterally separable between the flanges to permit removal of a tire, said rim including substantially horizontal portions extending inwardly from the flanges, laterally spaced substantially parallel portions extending radially inward from the inner edges of said second portions and a substantially horizontal portion connecting the inner edges of said radial portions, bolts extending transversely through the spaced radial portions to detachably connect the rim sections together, and transverse holders for the bolts extending between said radial portions and integral with one rim section and forming supporting seats at their opposite ends for said radial portions.

2,242,426
PLOW
Charles A. Gregory, Isabella, Arthur J. Morell, Virginia, and Quentin J. Meeuwsen, Duluth, Minn.; dedicated to the free use of the People in the Territory of the United States
Application January 16, 1940, Serial No. 314,098
6 Claims. (Cl. 97—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



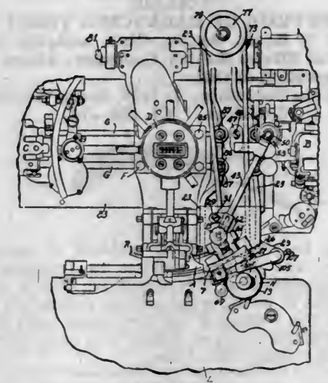
1. An implement of the character described comprising a suitable frame structure, a wheel for supporting said frame, an annular blade secured to the rim of said wheel for use as a coulter, coupling means on the front of the frame, a plow assembly disposed behind said supporting wheel, means for adjusting said wheel horizontally on the frame structure, and means for adjusting said plow assembly vertically on said frame.

2,242,427
TUBULAR RAILING AND FENCE CONSTRUCTION
James E. Heanue, Limerick, Pa., assignor to The United Pipe and Supply Company, Inc., Norristown, Pa., a corporation of Pennsylvania
Application October 12, 1938, Serial No. 234,538
1 Claim. (Cl. 256—65)



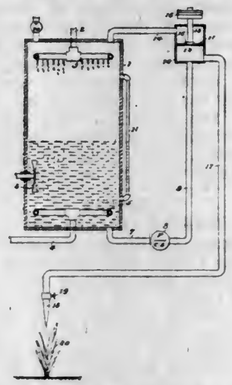
A joint for structures, consisting of tubular support and rail with solid connector plugs, comprising an angularly related continuation for the rail tube, said rail and continuation having the ends beveled for confronting abutment across an associated corner support, a connector plug in the corner support free end with a reduced shank projecting above said support; an angled solid plug engageable in the rail tube and continuation abutting ends, said plug and rail abutting ends respectively having an orifice and cutouts for coaction with the corner support connector plug reduced shank, and differential weld junctures uniting the rail tube and continuation to the corner support and connector plug.

2,242,428
MACHINE FOR FINISHING THE EDGES OF SHOE PARTS
Frederick E. Hooper, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application September 8, 1939, Serial No. 293,995
3 Claims. (Cl. 12—51)



1. A machine for operating upon blanks of sheet material having in combination a carrier for blanks, means for moving the carrier bodily in a predetermined path, mechanism arranged along said path for skiving and shrinking the edge of a blank held by the moving carrier, and mechanism arranged to operate before the operation of the skiving and shrinking mechanism for evening to a predetermined uniform thickness the edges of all blanks which exceed said predetermined thickness and to permit to pass without evening the edges of all blanks the thicknesses of which are equal to or less than said predetermined thickness.

2,242,429
PLANT TREATMENT
Maxwell O. Johnson, Wahiawa, Territory of Hawaii, assignor to California Packing Corporation, a corporation of New York
Application July 27, 1937, Serial No. 156,019
7 Claims. (Cl. 47—58)



1. The process of treating plants to expedite bud formation consisting in applying to the growing plants in the field an unsaturated hydro-

carbon gas in solution in an oil emulsion of water, oil and colloidal earth.

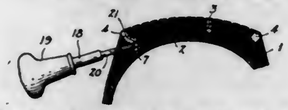
7. The treatment of pineapple plants to expedite the development of buds and the formation of fruit thereon, which comprises applying to said plants a liquid carrying medium, bentonite, and an unsaturated hydrocarbon selected from the group consisting of acetylene and ethylene.

2,242,430

METHOD OF BALANCING TIRES

Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application September 7, 1939, Serial No. 293,771
3 Claims. (Cl. 154—14)



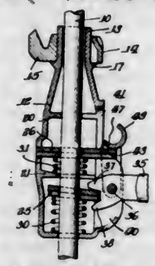
1. The herein described method of balancing a rubber tire which consists in forming in a selected portion of the tread periphery one or more holes of small cross section extending laterally into the rubber of the tire tread, and forcing into said holes slugs of metal of a cross sectional size greater than the holes.

2,242,431

JACK

Millard B. Lucker, St. Joseph, Mich., assignor to Auto Specialties Manufacturing Company, St. Joseph, Mich., a corporation of Michigan

Application February 1, 1940, Serial No. 316,709
6 Claims. (Cl. 254—106)



1. A lifting jack comprising a base, a load-engaging member, means for moving the load-engaging member relative to the base comprising a main body and a pair of friction clamps associated therewith, one of the clamps being an actuating clamp and the other of the clamps being a holding clamp, an operating lever pivotally mounted upon the body for controlling the movements of the actuating clamp, and means for disabling the holding clamp, said disabling means comprising a member engageable with the holding clamp and pivotally mounted upon the body coaxial with the operating lever.

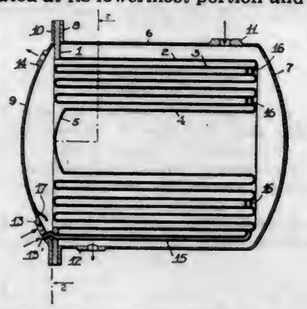
2,242,432

HEAT EXCHANGER

Friedrich Lukacs, Berlin-Wilmersdorf, Germany

Application July 9, 1938, Serial No. 218,311
In Germany July 15, 1937
1 Claim. (Cl. 257—243)

A heat exchanger comprising several substantially horizontal hollow cylinders of different diameters arranged in one another so as to form annular spaces and connected in pairs to each other on their alternate ends, casing members forming two closed spaces separated by said cylinders, one of said casing members being provided with an inlet port for hot liquids at its uppermost portion and an outlet port at its lowermost portion, the other casing member forming a cover adjoined to the outermost cylinder and being provided with an inlet port for the liquid to be heated at its lowermost portion and with an



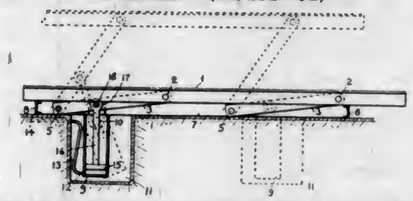
outlet port for heated liquid at its uppermost portion, said latter casing comprising further a small baffle plate terminating short of the cylinder and arranged near said inlet port to deflect the entering stream between the cylinders.

2,242,433

AUTOMOBILE LIFT

Vadim S. Makaroff, New York, N. Y.

Application August 29, 1939, Serial No. 292,397
8 Claims. (Cl. 254—91)



7. A lifting device comprising spaced front arms and spaced rear arms, a first rail connecting one set of front and rear arms, a second rail connecting another set of front and rear arms, a base supporting said arms, a motor device operating between one of said arms and said base, said motor device comprising a cylinder secured to and disposed under said base, and a piston in said cylinder connected to said one arm, said cylinder lying directly under said one arm and the rail to which it is connected.

2,242,434

METHOD OF MANUFACTURING INSULATING FIREBRICK

Charles L. Norton, Jr., New York, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

No Drawing. Application February 27, 1937, Serial No. 128,162
15 Claims. (Cl. 25—156)

6. The method of making a ceramic product which comprises intimately dry mixing plaster of Paris, wood flour, and Georgia kaolin in the ratio of 37 pounds of plaster of Paris, 37 pounds of wood flour and 100 pounds of Georgia kaolin, all in pulverized form, adding 100 per cent water while mixing to form a flowable castable mass, molding shapes therefrom prior to recrystallization of the plaster of Paris, firing the shapes at a burning temperature in a reducing atmosphere while the mixture still retains substantially all of its water and immediately following recrystallization of the plaster of Paris to completely carbonize the wood flour, and then firing at a higher temperature in an oxidizing atmosphere.

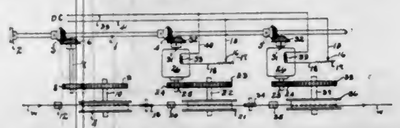
15. The method of making light-weight porous refractory products which comprises molding into shapes a flowable mixture of refractory material, water and an amount of plaster of Paris substantially in excess of the amount required when set to sufficiently strengthen the molded shapes to permit handling thereof, and then subjecting the molded shapes when set and while retaining substantially all of the water present therein when molded to a temperature sufficient to break up the sulphate radical of the plaster of Paris.

2,242,435

STRAND FEEDING MECHANISM

Edward G. Parvin, Roselle, Charles B. Fantone, Lyndhurst, and Carl O. Bruestle, Rahway, N. J., assignors to National Pneumatic Company, New York, N. Y., a corporation of West Virginia

Application December 18, 1939, Serial No. 309,794
11 Claims. (Cl. 205—14)



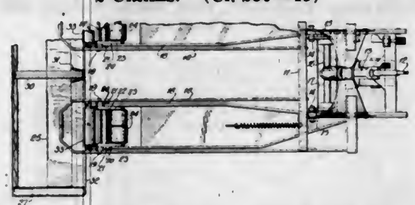
1. In a strand treating machine, the combination comprising a plurality of spaced capstan wheels mounted for rotation and arranged so that a strand passes successively from one to another of said wheels as it is pulled by each in a lengthwise direction, and power transmission means including magnetic induced current slip clutches respectively connected to said wheels to rotate them whereby the strand lengths between capstans may be held in tension.

2,242,436

INDUSTRIAL TRUCK

George Quayle, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

Application January 14, 1938, Serial No. 184,918
2 Claims. (Cl. 280—49)



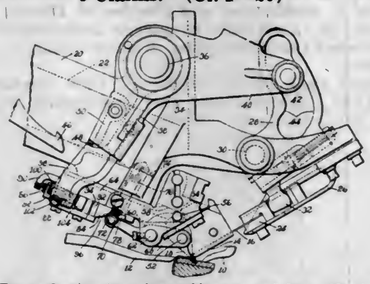
2. In a truck of the class described, a main frame, supporting wheels for said main frame, a roller positioned on said main frame rearward of said supporting wheels, and with the horizontal plane tangential to the lowermost peripheral point of said roller spaced vertically above the plane correspondingly related to the supporting wheels, said roller being adapted to assist in lifting said truck over an obstruction prior to the engagement of said wheels with said obstruction, an elevating frame supported on said main frame for lifting movement relatively thereto, and a roller on said elevating frame related to the roller on said main frame as the said roller on said main frame is related to said supporting wheels, substantially for the purpose described.

2,242,437

FASTENING-INSERTING MACHINE

Heinrich R. Ruhr and Karl Söhnle, Frankfort-on-the-Main, Germany, assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application April 30, 1940, Serial No. 332,532
In Germany March 23, 1940
9 Claims. (Cl. 1—20)



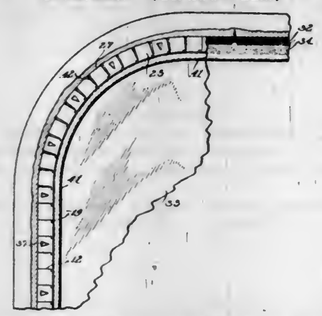
1. In a fastening-inserting machine, the combination with a driver for driving staples, and a deflector for engaging the legs of each staple to curve different portions of the legs successively in the driving operation before the different respective portions enter the work to cause them to follow curved paths in the work, of a lever swingable to operate said driver, a second lever swingable to move the deflector out of the path of movement of the driver, and a third lever for imparting to said first and second levers their swinging movements in predetermined time relation to cause the movement of the deflector out of the path of movement of the driver to occur near the end of the operative movement of the driver to permit movement of the driver beyond the deflector.

2,242,438

WINDOW GUIDE

Adolph Rydquist, Rochester, N. Y., assignor to The Schlegel Manufacturing Company, Rochester, N. Y., a corporation of New York

Application February 3, 1939, Serial No. 254,456
8 Claims. (Cl. 296—44.5)



1. A window guide comprising a one-piece core of sheet metal of generally U-shape having oppositely disposed arms, said core having slits extending transversely thereof, certain of said slits extending from adjacent the free edge of an arm of the core, across said arm, across the bottom of the core and terminating adjacent the meeting edge of the bottom of the core with the other arm of the core, and others of said slits staggered with respect to the first slits and extending from adjacent the free edge of said other

arm of the core, across said other arm, across the bottom of the core and terminating adjacent the meeting edge of the bottom of the core with said first arm, said slits being spaced from each other along the core so as to facilitate bending thereof.

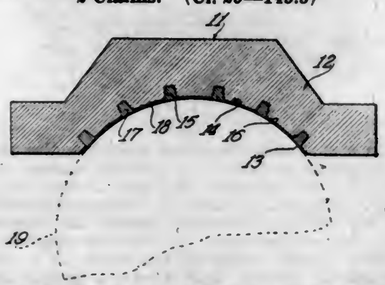
2,242,439

METHOD OF MAKING JOURNAL BEARINGS

Robert J. Shoemaker and Charles M. House, Chicago, Ill., assignors, by mesne assignments, to National Lead Company, a corporation of New Jersey

Original application August 15, 1938, Serial No. 224,995. Divided and this application August 15, 1938, Serial No. 224,996

2 Claims. (Cl. 29—149.5)



1. The method of making a journal bearing, comprising casting a relatively hard metal backing member of a copper base alloy to form a bearing surface of slightly larger curvature than required size and having a plurality of recesses therein, tinning said surface and said recesses with 70–30 solder applied thereto at a temperature of between 650° F. and 700° F., immediately casting a lining portion on said backing member to fill said recesses and to cover said surface with a thin layer of metal consisting of the following substances in proportions by weight approximately as follows: tin 0.5% to 2.0%, calcium 0.3% to 1.0%, mercury 0.1% to 0.5%, aluminum 0.02% to 0.1%, and metal from the group consisting of magnesium, potassium and lithium 0.02% to 0.22%, together with lead to make up 100%, by pouring the same thereon at a temperature between 950° F. and 1100° F. and substantially at the center of the bearing surface of said backing member, and finishing said lining portion to a curvature of required size.

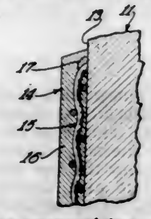
2,242,440

BEARING

Robert J. Shoemaker and Charles M. House, Chicago, Ill., assignors, by mesne assignments, to National Lead Company, a corporation of New Jersey

Application August 15, 1938, Serial No. 224,997

3 Claims. (Cl. 308—237)



2. A bearing, comprising a backing portion, bronze wire netting secured at its marginal edges to said backing portion, and a relatively soft metal lining portion having said netting embedded therein, said lining portion and said netting being so constructed and arranged that a smooth, soft metal bearing surface is initially presented which subsequently will be worn down to a composite hard and soft bearing surface.

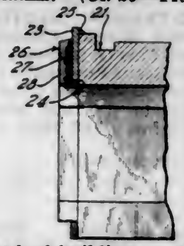
2,242,441

METHOD OF MAKING BEARINGS

Robert J. Shoemaker and Charles M. House, Chicago, Ill., assignors, by mesne assignments, to National Lead Company, a corporation of New Jersey

Original application August 15, 1938, Serial No. 224,997. Divided and this application August 15, 1938, Serial No. 224,998

3 Claims. (Cl. 29—149.5)



1. The method of building up a lateral wearing surface of an engine truck box, or the like, comprising truing up said lateral wearing surface by machining the same, securing a metal plate of substantially the same outline as said surface to the same by welding around the periphery thereof, securing relatively hard metal wire netting to the outer surface of said plate by welding the marginal portions of the netting thereto, successively cleaning, fluxing and tinning said netting and the outer surface of said plate, casting relatively soft bearing metal on the box to amply cover said tinned surfaces, and machining said bearing metal to the required lateral thickness.

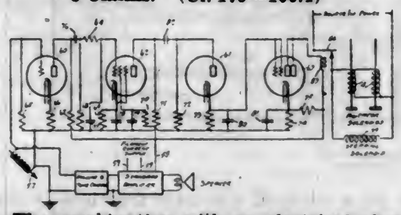
2,242,442

RHYTHM OPERATED DEVICE

Gerald G. Smith, Kenmore, N. Y., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation

Application August 31, 1939, Serial No. 292,900

5 Claims. (Cl. 179—100.4)



1. The combination with an electrical phonograph having an electrical circuit in which energy flow is in accordance with frequencies of musical tones reproduced by said phonograph, of electrical apparatus receiving energy from said circuit and selectively amplifying the same to emphasize bass frequencies in progressively increasing degree as said frequencies decrease, and electrically operated apparatus actuated by said amplified energy and adapted to produce a series of mechanical movements in response to a sustained bass note within a given frequency range and to produce a single mechanical movement of greater amplitude in response to a note of lower frequency.

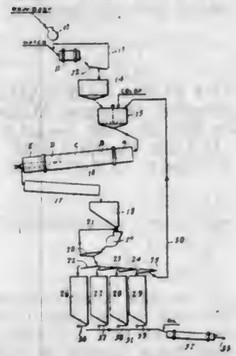
2,242,443

PREPARATION OF ROOFING GRANULES AND THE LIKE

John J. Stanko, San Pedro, Calif., assignor to American Mineral Company, San Pedro, Calif., a corporation of California

Application October 18, 1938, Serial No. 235,601

5 Claims. (Cl. 25—156)



5. A process of preparing virtually vitrified ceramic granules, which comprises forming a liquid slurry containing a vitrifiable clay capable on calcination of forming dense substantially non-absorptive pellets, continuously feeding said slurry to a rotary kiln and therein continuously calcining the same to form said pellets, controlling the particle size of the pellets discharged from said kiln by varying the water content of the slurry fed to said kiln, removing the pellets from the kiln, crushing the pellets and separating from the crushed material granules of the desired size, and returning the fines to the slurry fed to said kiln.

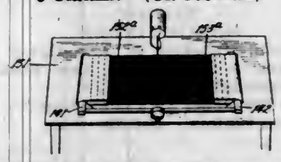
2,242,444

PROCESS FOR MAKING MOP SWATS

Gustav A. Altenbern, Bremen Township, Cook County, and Wilfred S. Stone, Glen Ellyn, Ill., assignors, by mesne assignments, to The A. S. Boyle Company

Application August 15, 1938, Serial No. 224,962

6 Claims. (Cl. 300—21)



1. In making mop swats, the process of winding yarn over opposite arms of a frame, binding the yarn along the inside edges of said arms, slitting the yarn along a line between the arms of the frame, and removing the resulting mop swats from the frame.

2,242,445

MACHINE TOOL TRANSMISSION AND CONTROL MECHANISM

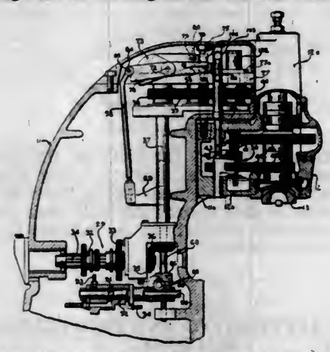
Joseph B. Armitage, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin

Application February 19, 1937, Serial No. 126,597

Renewed January 4, 1940

29 Claims. (Cl. 90—16)

1. In a milling machine of the vertical spindle type, the combination with a column and a spindle supporting head slidably mounted on said column, of a spindle rotatably mounted in said head, speed changing gearing carried by said sliding head and operatively connected to drive said spindle, actuating means mounted on said column independently of said head for shifting said speed changing gearing, shifting means connecting said actuating means on said column with



said speed changing gearing carried by said sliding head including an actuating arm and a movable fulcrum element pivotally supporting said arm, and means arranged to move said fulcrum element in accordance with the movements of said sliding head in manner to maintain said arm in substantially constant relation with said speed changing gearing at any position of said head.

2,242,446

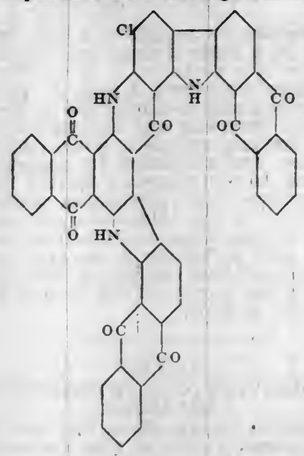
VAT DYESTUFFS OF THE ANTHRAQUINONE-ACRIDONE-CARBAZOLE SERIES

Wilhelm Bauer, Leverkusen-Wiesdorf, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application April 16, 1938, Serial No. 202,447. In Germany May 7, 1937

1 Claim. (Cl. 260—277)

The compound of the following formula



2,242,447

BRIDGE DUMMY SERVER

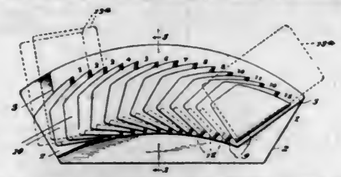
James D. Brown, San Antonio, Tex.

Application July 26, 1940, Serial No. 347,748

5 Claims. (Cl. 272—150)

1. In a device of the class described, the com-

bination of an elongated base unit, a plurality of flexible pocket elements extending transversely of said base unit, each pocket element provided with an inner short fold extending the height of the pocket element, a straight spacer element between each two contiguous pocket elements, said



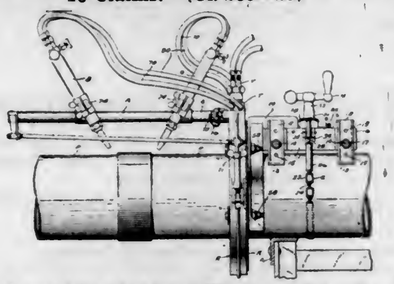
straight spacer element constituting the bottom of a pocket, each pocket element being open at its top, each pocket element being open at one side opposite to said short fold, and each pocket element fastened throughout its bottom to said straight spacer element.

2,242,448

TOOL SUPPORTING AND PROPELLING MACHINE

James H. Bucknam, Cranford, Lloyd W. Young, Scotch Plains, and Frank C. Geibig, Westfield, N. J., assignors to Oxweld Acetylene Company, a corporation of West Virginia

Application February 2, 1939, Serial No. 254,182
16 Claims. (Cl. 266—23)



1. A machine for propelling a tool, such as a blowpipe, in a predetermined path relatively to the surface of a workpiece to be operated upon, said machine comprising a base; a tool carrier mounted upon said base securable in fixed relation to said workpiece and movable relatively to said base and said workpiece; a tool supported by said carrier; and mechanism for propelling said carrier and the tool supported thereby relatively to said workpiece, such mechanism comprising a chain secured to and coextensive with said tool carrier said chain being located between said carrier and said workpiece; a sprocket rotatably mounted on said base and having teeth engaging said chain, and means carried by said base for rotating said sprocket.

2,242,449

PREPARATION OF NAPHTHOQUINONE CARBAZOLES

Willy Burneleit, Cologne-Deutz, Germany, assignor to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application November 26, 1937, Serial No. 176,623. In Germany December 3, 1936
4 Claims. (Cl. 260—315)

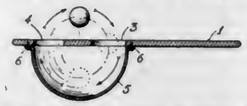
1. The process for preparing naphthoquinone carbazoles which comprises heating a mixture of a naphthoquinone selected from the group consisting of 1.4-naphthoquinones, 1.2-naphthoquinones, and 1.2-naphthoquinones bearing in 4-position a substituent which is capable of being replaced by amines and having only hydrogen attached to the number 3 carbon atom and a 1.2.3-triazole, under conditions to cause condensation on the quinoid ring of the naphthoquinone, the triazole being derived from an aromatic o-diamine.

2,242,450

TOY FOR A NEW GAME

Victor L. Carballal, Miramar, Marianao, Cuba

Application May 29, 1940, Serial No. 337,945
In Cuba March 4, 1940
3 Claims. (Cl. 273—96)



1. A toy or the like comprising a racket including a flattened main body having a substantially oval shape and a handle continuing therefrom, said body having a pair of spaced apertures therein, and a basket in the form of a rounded channel shaped member for connection to the under surface of the body and establishing communication between the apertures for receiving and guiding a ball as it passes from one aperture to the other.

2,242,451

METHOD OF TREATING MEAT

John W. Carpenter, Independence, Mo.

Application December 28, 1939, Serial No. 311,302
7 Claims. (Cl. 99—107)

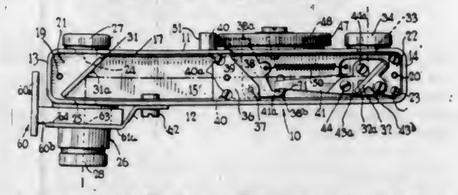
1. The method of treating meat, consisting in freezing solid a body of meat, and, without tempering, slicing it, disposing the solidly frozen slices flatwise one upon the other, of a number to form a pack of desired thickness, and thawing the slices of the pack to enable them to adhere to each other and form a sealed in unitary structure with the juice retained therein.

2,242,452

RANGE FINDER

Otto K. Cazin, Hoboken, N. J., assignor to Universal Camera Corporation, New York, N. Y., a corporation of Delaware

Application December 29, 1939, Serial No. 311,510
6 Claims. (Cl. 88—2.4)



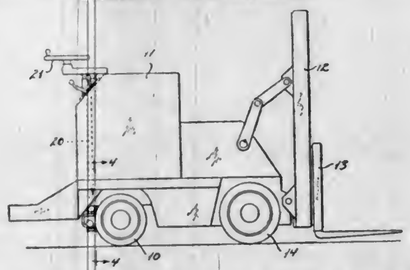
1. In a range finder or like instrument wherein the measurement of range is effected by superimposing a pair of images of the same object and in which a rotatably mounted mirror is employed, means to adjustably move said mirror about a vertical axis to position both images in superimposed relationship in a vertical plane, means to adjustably move said mirror about a horizontal axis to position both images in superimposed relationship in a horizontal plane, said last named means comprising a mirror supporting member, a threaded member mounted on said supporting member, and abutment means coincident with said vertical axis and cooperating with said threaded member whereby rotational movement thereof will tiltably move said mirror.

2,242,453

AXLE CONSTRUCTION

Clyde E. Cochran, Cleveland, Ohio, assignor to The Elwell-Parker Electric Co., Cleveland, Ohio, a corporation of Ohio

Application November 8, 1938, Serial No. 239,471
4 Claims. (Cl. 280—112)



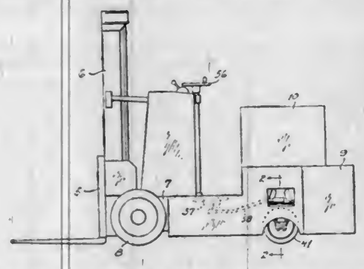
1. A connecting mechanism for a trailer axle on an industrial truck comprising in combination, a trailer axle, a vertically shiftable pin block, a pivot pin carried by the lower end of the block and journalled to the axle to permit a free rocking movement of the axle relative to the truck chassis, the pivot pin extending longitudinally of the truck, a spring frame carried by the chassis of the truck having inverted spring seats disposed forwardly and rearwardly of the axle and said frame being journalled for receiving a vertically extending pin on the pin block, spring seat members carried by the pin block forwardly and rearwardly of the axle center in the plane of the longitudinally extending pivot pin spring members interposed between the respective seats on the spring frame and the pin block means for disconnecting the pivot pin from the pin block whereby said axle may be removed from the pin block independently of the assembly of the pin block with the chassis or the spring frame.

2,242,454

AXLE AND WHEEL MOUNTING FOR INDUSTRIAL TRUCKS

Clyde E. Cochran, Cleveland, Ohio, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio, a corporation of Ohio

Application December 16, 1938, Serial No. 246,139
13 Claims. (Cl. 280—95)



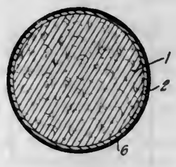
1. In an industrial truck, the combination of a truck chassis, a rockable axle, a pin means pivotally connecting the axle to the chassis whereby the axle may rock about a longitudinally extending axis relative to the truck frame, torsion means associated with the pivotal means tending to maintain the axle stable relative to the chassis, dirigible spindle members mounted adjacent each end of the axle, a pair of wheels connected to each spindle member with the axes of the spindle members disposed centrally of said pairs of wheels and steering mechanism connecting the spindle members, whereby said pairs of wheels may be steered in unison about said vertical axes.

2,242,455

METHOD OF MAKING PLAYING BALLS

Frederick S. de Beer, Albany, N. Y.

Application February 9, 1939, Serial No. 255,446
5 Claims. (Cl. 154—16)



1. The method of making a playing ball using a mold which comprises forming a core, winding a layer of thread about said core, dipping the wound core in a suitably thick viscous material comprising latex to form a cover for the ball, coating the interior of a heated mold of desired size with said material, placing the ball so formed in said mold, and applying to said mold sufficient heat and pressure to force a portion of the material of said cover into the interstices between at least a portion of the threads of said winding.

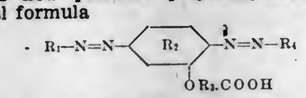
2,242,456

POLYAZODYESTUFFS

Detlef Delfs and Eberhard Stein, Leverkusen-I. G.-Werk, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

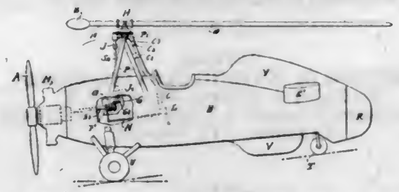
No Drawing. Application March 7, 1939, Serial No. 260,341. In Germany March 11, 1938
15 Claims. (Cl. 260—166)

1. As new products polyazodyestuffs of the general formula



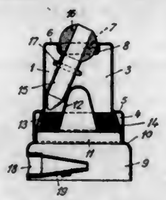
wherein R_1—N=N— stands for the residue of a diazo compound derived from aromatic amines selected from the group consisting of amines and aminoazodyestuffs of the benzene and naphthalene series, O.R_3.COOH stands for the radical of a hydroxy carboxylic acid of the group consisting of hydroxy-acetic acid and hydroxy-propionic acid, R_2 stands for one of the group consisting of the benzene nucleus, the alkyl-, alkoxy- and tetramethylene-substituted benzene nucleus, and R_4 stands for a radical of the group consisting of coupling components bearing a hydroxy group in a position adjacent to the —N=N— bridge and a 2-amino-5-hydroxynaphthalene-7-sulfonic acid substituted in the 1-position by an arylazo radical whereby at least one of the radicals R_1 and R_4 is substituted by an arylazo radical.

2,242,457
AIRCRAFT WITH CONTROLLABLE SUSTAINING ROTORS
Juan de la Cierva, deceased, late of London, England, and Madrid, Spain, by John Josselyn, London, England, and Reginald Blake, Aldwych, London, England, administrators, assignors, by mesne assignments, to Autogiro Company of America, a corporation of Delaware
Application October 10, 1938, Serial No. 234,192
In Great Britain November 2, 1937
4 Claims. (Cl. 244—18)



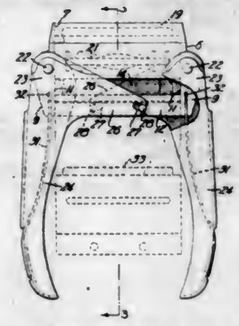
1. For an aircraft, a sustaining and controlling rotor comprising a generally upright hub member, a single sustaining blade radially disposed thereon, pivotal means connecting said blade to the hub member and providing at least for oscillation of said blade generally transverse its path of rotation, a substantially non-lifting counterweight counterbalancing said blade, controllable means adapted to alter the path of blade movement to shift the thrust line of the rotor for control purposes, said pivotal means comprising a balance member pivotally connected to the hub about an axis generally transverse to the radial axis of the blade and approximately intersecting the hub axis, and pivot means independently pivoting the blade and counterweight to the balance member about axes oppositely spaced from and non-intersecting with respect to the hub axis and obliquely angled with respect to the axis of the pivot connecting the balance member to the hub.

2,242,458
PENCIL SHARPENER
Georges Dessonnaz, Fribourg, Switzerland, assignor of one-half to Roger de Werra, Lausanne, Switzerland
Application March 29, 1940, Serial No. 326,771
In Switzerland April 8, 1939
5 Claims. (Cl. 120—91)



1. Pencil sharpener, in combination a support, an abrading conical surface within said support, a guide member disposed concentrically to the longitudinal axis of said surface, and a ball and socket joint carried by said support above said surface, said joint being diametrically perforated to engage a pencil and being capable of oscillatory motion about a point of said axis so as to revolve said pencil around said guide member while bringing the lead into contact with the abrading surface for sharpening said lead thereon upon revolving said pencil.

2,242,459
SCRAPER
Frank Elliott, Oakland, Calif.
Application August 10, 1939, Serial No. 289,333
3 Claims. (Cl. 30—169)

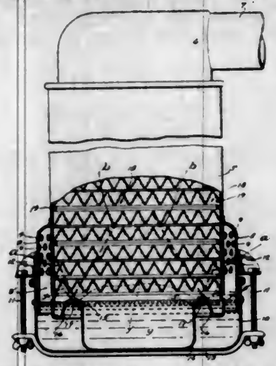


3. A tool, of the type utilizing razor blades as cutters, comprising a head having a passage therein and a pair of extension arms projecting from a side thereof and each provided with a surface coextensive with the respective end surfaces of said passage, a blade holder comprising a base extending longitudinally between and slidably engaging said arm surfaces, said base having in the top surface thereof a pair of parallel, downwardly diverging, grooves and studs projecting from opposite side surfaces thereof, a pair of chuck plates each having an angularly directed flange entering the respective base grooves, means on said chuck plates for securing therebetween a safety razor blade, said chuck plates being slidably engageable in said head passage, a pair of handles pivotally mounted on said head, arms carried by said handles each having a notch therein in which the studs of said base may be slidably engaged whereby, upon movement of said handles, said blade carrier and said blade may be moved along said passage, and springs associated with said handles, said springs, respectively, being engaged at one end with a handle and at the other end with said head.

2,242,460
AIR CLEANER
John C. Enblom, St. Paul, Minn., assignor, by direct and mesne assignments, of twenty-five per cent to Ruth C. Donaldson, twenty per cent to Robert H. Donaldson, twelve and one-half per cent to A. Donaldson Olin, six and one-fourth per cent to Mae D. Buckeye, six and one-fourth per cent to Ralph A. Buckeye, and twenty-five per cent to Ruth C. Donaldson as trustee, and five per cent to Margaret M. Donaldson
Application March 22, 1939, Serial No. 263,487
6 Claims. (Cl. 183—15)

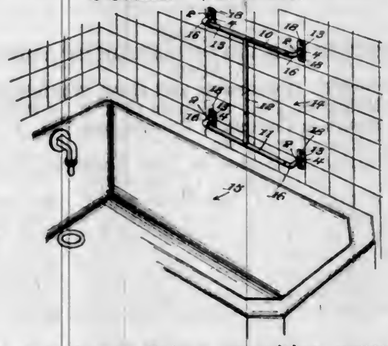
5. In an air cleaner, a casing having an air inlet, an outlet and an expansion chamber between said inlet and outlet, an oil well in the base of said casing having an upwardly opening oil cup mounted therein and providing primary and secondary oil containers for said cleaner, said expansion chamber having an annular wall radially spaced from the wall of said cup and extending into one of said oil containers below the static oil level thereof and under which inlet air is adapted to pass to said expansion chamber, an annular baffle extending from said chamber wall to the upper edge of said cup below said expansion chamber, and said baffle having spaced

upwardly converging flanges providing therebetween a constricted oil and air passageway at



approximately the static oil level in said containers and discharging outwardly into said expansion chamber.

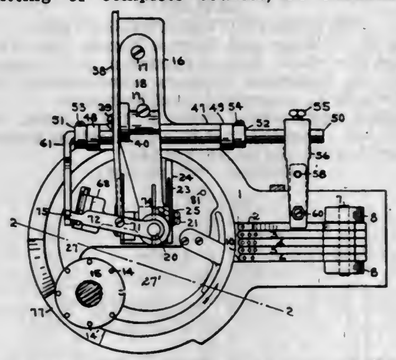
2,242,461
BATHROOM FIXTURE
Reynolds Fisher, Cumberland, Md.
Application May 7, 1940, Serial No. 333,868
3 Claims. (Cl. 4—185)



1. A bathroom fixture comprising, upper and lower horizontal arms, a vertical arm connecting the horizontal arms together midway of their ends, bracket arms telescopically assembled with the horizontal arms, means for holding the bracket arms in longitudinally or angularly adjusted positions relative to the horizontal arms, lateral extensions projecting at a right angle from the ends of the bracket arms, and attaching means on the ends of the lateral extensions for securing the horizontal arms to a wall or a bathtub.

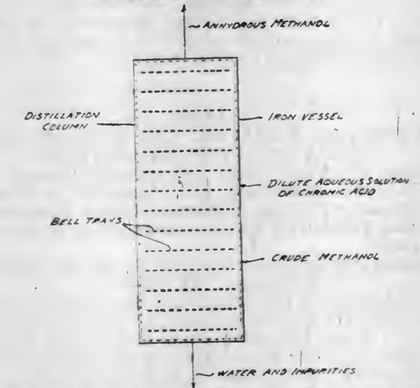
2,242,462
YARN SEVERING MECHANISM FOR WRAP STRIPE MACHINES
Augustin Gagne, Central Falls, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Continuation of application Serial No. 379,302, July 18, 1929. This application October 27, 1932, Serial No. 639,918. Renewed October 14, 1937
13 Claims. (Cl. 66—134)

13. A circular knitting machine of the independent needle type having a rotary needle cylinder, means for feeding one or more yarns to the needles, means for severing any of said yarns when withdrawn from feeding relation with respect to the needles after knitting complete circular courses, means for feeding one of said yarns to some only of the needles for partial courses, said severing means not being adapted to sever the partial course yarn during the knitting of partial courses, other yarn severing means adapted to sever the partial course yarn at least once during the knitting of each partial course, said partial course yarn severing means not being adapted to sever the yarns withdrawn after the knitting of complete courses, in combination



with means for wrapping one or more threads around selected needles during the knitting of the hereinbefore mentioned partial courses and in such a manner as to provide floats of a wrap thread from course to course on the inner face of the fabric, the hereinbefore mentioned severing of the partial course yarn from course to course avoiding elongation of said warp thread floats which extend from course to course, and other means for acting upon the wrap thread floats to guide them so that the said floats are maintained below the yarn severing mechanism so as not to foul the same.

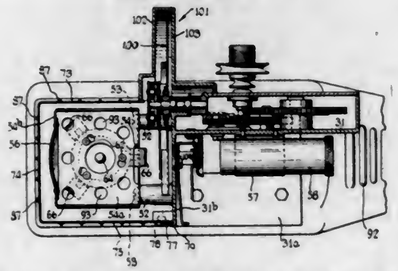
2,242,463
PURIFICATION OF SYNTHETIC METHANOL
Johann Giesen, Helmut Hanisch, and Paul Herrmann Gericke, Leuna, Kreis Merseburg, Germany, assignors, by mesne assignments, to William E. Currie, New York, N. Y.
Application August 23, 1938, Serial No. 226,256
In Germany September 10, 1937
2 Claims. (Cl. 202—57)



1. In the production of pure methanol the steps which comprise distilling crude synthetic meth-

anol obtained by catalytic hydrogenation of carbon oxide under pressure in a distillation column, adding thereto at a height of the said column where the methanol still has a considerable water content an aqueous solution of such an amount of chromic acid that the water flowing away at the lower end of the column is from weakly acid to practically neutral and withdrawing deodorized methanol from the upper end of said column.

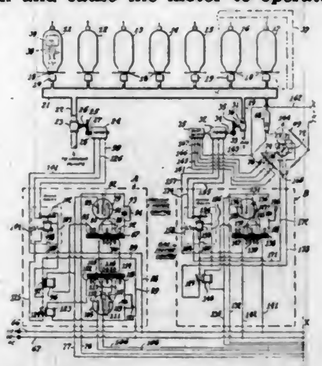
2,242,464
MOTION PICTURE PROJECTOR
Otto W. Githens and George Kende, New York, and Everett M. Porter, Brooklyn, N. Y., assignors to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Original application June 3, 1937, Serial No. 146,182. Divided and this application December 21, 1939, Serial No. 310,344
5 Claims. (Cl. 88—24)



1. In a motion picture projector of the character described, the combination of a lamp house, a lamp in said lamp house, said lamp having a prefocus flange provided with slotted apertures, each of said slotted apertures comprising a pair of unequally sized enlarged portions interconnected by a narrow neck portion, a bracket within said lamp house, means for rigidly attaching said bracket to a wall of said lamp house, a lamp socket supported by said bracket, and means for removably mounting said lamp in said socket, said last named means comprising a plurality of pins projecting upwardly from said bracket, said pins being provided with enlarged heads of a size smaller than one of the said enlarged portions and of larger size than the other of said enlarged portions, whereby the said heads will pass freely through the larger of the enlarged portions and upon axial rotation of said lamp flange will be disposed in the smaller of said enlarged portions to retain the lamp in the socket.

2,242,465
AUTOMATIC EXHAUST, GAS FILLING, AND OPERATING CIRCUIT CONTROL
James H. Green, West Orange, and George H. St. John, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 30, 1938, Serial No. 248,400
14 Claims. (Cl. 176—2)

1. Apparatus for exhausting discharge devices comprising a valve controlling a vacuum connection, a motor for opening and closing said valve, a selecting relay for controlling the direction of operation of said motor, a pair of initiating relays for said selecting relay, one of said initiating relays being adapted to close a circuit to operate the selecting relay for causing the motor to turn in one direction and open the valve, and the other relay being adapted to close another circuit to return the selecting relay to initial position and cause the motor to operate in the

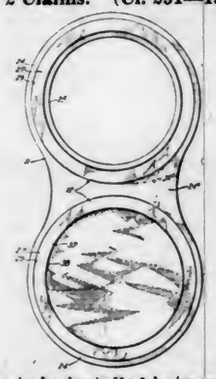


opposite direction and close the valve, a three-electrode tube for each initiating relay, a photoelectric cell for controlling each three-electrode tube, and means automatically actuating said cells at intervals in accordance with a manufacturing schedule.

2,242,466
PROCESS FOR VAPORIZATION OF ADIPIC ACID
Crawford H. Greenewalt and Hood Worthington, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 30, 1938, Serial No. 232,503
8 Claims. (Cl. 260—537)

1. A process for vaporizing adipic acid which comprises bringing adipic acid in contact with the wall of a heated metallic heat transfer medium maintained substantially constantly at a temperature such that substantially instantaneous vaporization without appreciable concurrent decomposition of the adipic acid takes place.

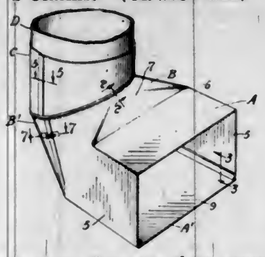
2,242,467
ORIFICE PLATE OR LINE BLIND
Leland S. Hamer, Long Beach, Calif.
Application December 20, 1939, Serial No. 310,183
2 Claims. (Cl. 251—159)



1. A plate to be installed between two relatively movable members of a fluid handling fitting com-

prising a plate body having annular grooves in its opposite sides and annular recesses in the back walls of the grooves, the recesses being radially offset, and annular sealing rings seated in the grooves to project from the plate for engagement by the members and having annular flanges on their inner sides fitting the recesses.

2,242,468
RETURN-DUCT CONNECTION FOR FURNACES
John J. Holub, Cicero, Ill.
Application January 17, 1940, Serial No. 314,309
2 Claims. (Cl. 285—211)



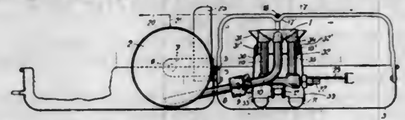
1. A knock-down furnace shoe comprising two metal sheets bent into hollow form to provide two meeting edges forming a seam and two walls extending away from the seam at substantially right-angles to each other; the meeting edge of one of said sheets turned inwardly and formed into an S-shape bend providing an elongated pocket the mouth of which is spaced inward with respect to the outer face of the sheet, and an inturned tongue along the free inner edge of the bend between the walls of said pocket, the walls of the pocket and said tongue lying wholly within the confines of the walls of the shoe; the meeting edge of the second sheet provided with a lateral flange which enters the pocket at the margin of the first sheet, whereby said flange and the aforesaid S-shape portion are disposed within the angle formed by the two sheets whereby the outer surfaces of the walls are smooth and unbroken, and embossments on said flange adapted to abut the inner edge of said in-turned tongue.

2,242,469
DYESTUFFS OF THE PHTHALOCYANINE SERIES
Hans Hoyer, Leverkusen-I. G. Werk, Rudolf Schröter, Leverkusen-Schlebusch, and Heinrich Rinke, Leverkusen-Kuppersteg, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application June 13, 1938, Serial No. 213,458. In Germany June 1, 1937
2 Claims. (Cl. 260—314)

1. A phthalocyanine of the group consisting of copper and nickel phthalocyanines of the benzene series, each of the benzene nuclei of which is substituted in its 4 and 5 positions by a carboxylic acid group and a phenyl group.

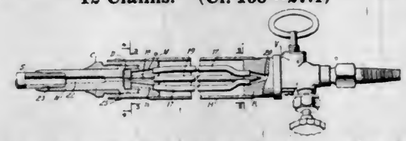
2,242,470
OILSTOVE
John Theodor Johansson, Stockholm, Sweden, assignor to Aktiebolaget Radius, Stockholm, Sweden, a corporation of Sweden
Application December 7, 1939, Serial No. 308,089
In Sweden December 14, 1938
3 Claims. (Cl. 126—38)

1. A portable oil stove comprising a casing having a base portion and a cover, a hinge for connecting a wall of said base portion to a wall of said cover, a burner disposed in said base portion, a fuel reservoir pivotally mounted in said cover, said cover being arranged to be swung through an angle of about 180° relative to said



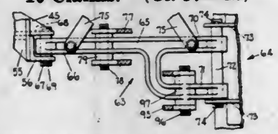
base portion, whereby to separate said burner from said fuel reservoir by said walls, a fuel pipe connected to said fuel reservoir, and a vaporizing tube connected to said fuel pipe and said burner and comprising an upper vertical portion and a lower portion bent substantially at right angles to said vertical portion.

2,242,471
BLOWPIPE
Homer W. Jones, Westfield, and Wilgot J. Jacobsson, Scotch Plains, N. J., assignors to Oxweld Acetylene Company, a corporation of West Virginia
Application November 29, 1938, Serial No. 242,928
12 Claims. (Cl. 158—27.4)



1. In a blowpipe, the combination of a body having a chamber, said chamber having substantially flat parallel front and rear walls; a substantially cylindrical mixing nozzle in said chamber, said nozzle having substantially identical parallel flat front and rear faces, the rear face thereof being contiguous with said chamber rear wall, and said nozzle having separate fuel gas and combustion-supporting gas passages therethrough having individual orifices in each of said faces; means for spacing said nozzle front face from said chamber front wall to form a mixing gap; means for supplying fuel gas and combustion-supporting gas to said nozzle; and means for conducting a combustible gas mixture from said mixing gap.

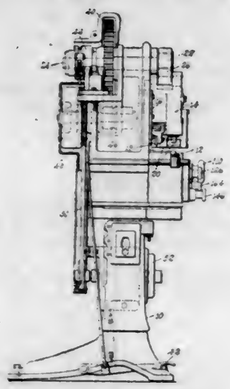
2,242,472
SNOW PLOW
Raymond W. Keeler, Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company, a corporation of Ohio
Application June 23, 1938, Serial No. 215,440
10 Claims. (Cl. 37—42)



1. In scraper apparatus, the combination with a main frame, of an auxiliary frame pivotally attached to the front thereof for adjustment, a scraper attached to the front of said auxiliary frame, said auxiliary frame comprising a pair of similar brackets bifurcated at one end with cross connecting means between the brackets, means pivotally attaching the bifurcated ends of said brackets to said scraper, means resiliently

connecting each of said brackets to said scraper, and extensible means connecting one bifurcated arm of each bracket to said main frame.

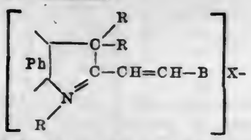
2,242,473
MACHINE FOR OPERATING ON SOLE MEMBERS
Lloyd G. Knowles, Beverly, Mass., assignor to United Shoe Machinery Coroporation, Borough of Flemington, N. J.
Application October 24, 1939, Serial No. 301,011
18 Claims. (Cl. 12—17)



1. A machine for operating on soles comprising a work support, cutting means for defining the terminations of an integral sewing rib adjacent the heel breast line of a sole, a gage for positioning the sole, mechanism including a pivoted member for shifting the relation of the gage and the cutting means in accordance with the size of the sole, and master adjustment means in combination with said mechanism, said means including a member manually rotatable to shift the pivotal point of said pivoted member thereby to vary the amount of shift for each size to correspond with the system of size grading employed.

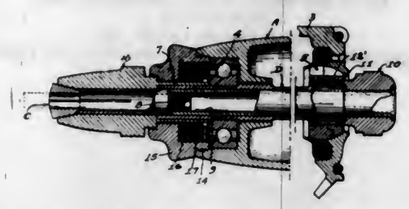
2,242,474
WATER-SOLUBLE BASIC DYESTUFFS
Gerd Kochendoerfer, Ludwigshafen - on - the-Rhine, Werner Mueller, Cologne, Bernd Eistert, Ludwigshafen - on - the - Rhine, and Walther Retter, Cologne-Deutz, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application July 27, 1939, Serial No. 286,866. In Germany July 29, 1938
4 Claims. (Cl. 260—240)

1. Watersoluble basic dyestuffs corresponding to the general formula



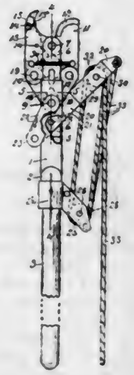
wherein Ph stands for a phenylene radical substituted in 5-position by a member of the group consisting of fluorine, chlorine, bromine and trifluormethyl, wherein the R's stand for alkyl radicals, and wherein B stands for an N-alkyldiphenylamine radical attached to the methine group shown in 4-position with reference to the amino group in 1-position, and wherein X stands for the anion of an acid.

2,242,475
MOTORIZED HAND TOOL
Louis J. Misuraca, Glendale, Calif.
Application July 14, 1939, Serial No. 284,567
5 Claims. (Cl. 172—36)



1. A motorized hand tool comprising a housing having openings at opposite ends, a motor in said housing, a chuck extending into the opening at one end of the housing and having an implement receiving bore, a tubular shaft drivingly connected with said motor and chuck in coaxial relation thereto and extending into the opening at the other end of the housing, and chuck setting and releasing means including a tubular member having a tool receiving bore and connected with said chuck and extending through said shaft so as to be operable at said other end of said housing for operating the chuck.

2,242,476
PRUNING IMPLEMENT
George W. Newman, Kansas City, Mo.
Application March 18, 1940, Serial No. 324,589
10 Claims. (Cl. 30—245)

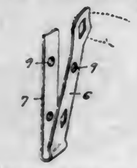


1. In a pruning implement, two members, one a support and the other reciprocative thereon, two cooperating shearing jaws pivoted to each other and to one of said members, so as to oscillate to and from the closed position, a toggle connecting said jaws and pivoted at its axis to the other of said two members, a lever pivoted to said member to which said jaws are pivoted, a link pivoted to said lever at one side of the axis of the lever and pivoted to said member to which said toggle is pivoted, and a block and tackle means connecting said lever and said support for amplifying the leverage exerted by said lever.

2,242,477
PROCESS OF PREPARING HYDROXYLAMINE HYDROCHLORIDE
Philipp Osswald, Hofheim-in-Taunus, and Walter Geisler, Frankfort-on-the-Main-Hochst, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y.
Application July 28, 1938, Serial No. 221,678
In Germany August 17, 1937
5 Claims. (Cl. 204—101)

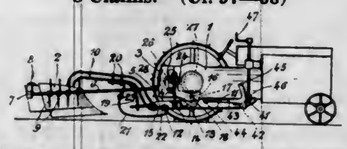
1. In the process of preparing solid hydroxylamine hydrochloride by reduction of aqueous solutions of mixtures of hydrochloric acid and nitric acid in diaphragm cells by direct current electrolysis to such an extent that the catholyte in the cathode compartment of these cells is nearly saturated with hydroxylamine hydrochloride, the step which comprises removing the catholyte from the cell, introducing gaseous hydrogen chloride into the catholyte, while cooling, in a special vessel outside the cell, and thus precipitating the hydroxylamine hydrochloride.

2,242,478
CURTAIN TIEBACK FASTENING DEVICE
Joseph Frank Pekarz, Guilford, Conn.
Application March 18, 1940, Serial No. 324,672
1 Claim. (Cl. 156—33)



A curtain tieback fastener comprising a clip bent intermediate its ends upon itself into substantially U-form, said clip having aligned openings in its end portions, the openings of one end of the clip being adapted for receiving attaching devices for securing said one end flatwise against a window frame and the openings in the other end of the clip being adapted for receiving a tool for engaging the attaching devices, said other end of the clip being free and adapted to clamp the tieback against the attached end of the clip.

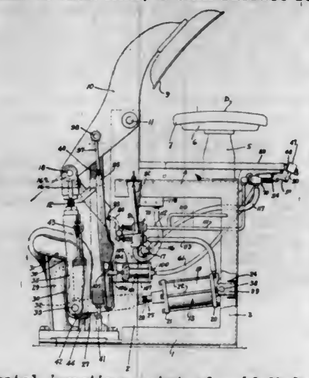
2,242,479
TRACTOR-DRIVEN PLOW
Oscar Panengen, Skreia, Norway
Application May 17, 1939, Serial No. 274,249
In Norway May 23, 1938
8 Claims. (Cl. 97—38)



1. A tractor-driven plow in combination with a cultivator comprising a shaft extending in the longitudinal direction of the plow and a plurality of cultivator elements on said shaft arranged to operate on the earth which passes away from the breast of the plow, a resilient arm fixed to the plow and a bearing on said arm for the rear end of said shaft.

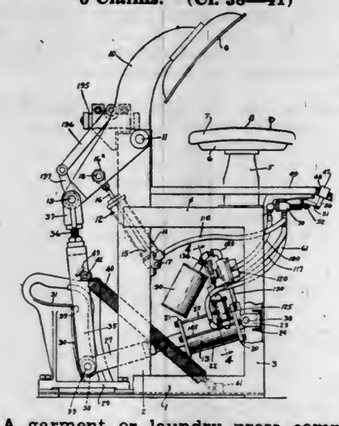
2,242,480
MULTICYLINDER PRESSING MACHINE
John F. Raynolds, Minneapolis, Minn., assignor to The Unipress Company, Inc., Minneapolis, Minn., a corporation of Minnesota
Application December 30, 1937, Serial No. 182,452
5 Claims. (Cl. 38—41)

3. In a garment or laundry press, a frame; a presser arm pivoted intermediate its ends for oscillation with respect to said frame; a pair of cooperating pressing elements, one mounted on the frame and another on the arm; a link pivoted to said arm at a point removed from the pivot point of the arm on the frame, and a longitudinally extensible fluid motor, pivoted at one end to said frame and pivotally connected at the other end to said link; a cam surface for guiding



the pivotal junction point of said link and said longitudinally extensible motor, comprising a segment of a circumference smoothly joined to a substantially arcuate wedge oriented so that motion of the junction point along said arcuate wedge moves the press toward closed position; and motor means for moving the pivotal junction of said longitudinally extensible motor and said link along said cam surface.

2,242,481
MULTICYLINDER PRESSING MACHINE
John F. Raynolds, Minneapolis, Minn., assignor to The Unipress Company, Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application December 13, 1939, Serial No. 309,016
6 Claims. (Cl. 38—41)



3. A garment or laundry press comprising a frame, a presser arm pivoted intermediate its ends on said frame, a stationary pressing element mounted on the frame, a movable pressing element mounted on said presser arm for cooperating engagement with said stationary pressing element, a first longitudinally extensible fluid motor coupled between the frame and presser arm for actuating the latter, a second longitudinally extensible motor, pivot means for connecting one

end of said second motor to the frame, an inextensible link having one of its ends pivotally connected to the presser arm and the other of its ends pivotally connected to the second motor, cam guide means for the pivotal connection between the inextensible link and the second motor, and two-hand operator controlled means for controlling flow of air to the first motor, and relay valve means operated when the two-hand operator controlled means is moved to cause actuation of the second fluid motor for effecting movement of said pivotal connection along the cam guide means for causing final closing of the press.

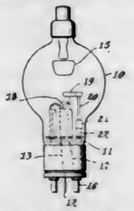
2,242,482

IGNITRON STARTER

Robert F. Rennie, Little Falls, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application April 19, 1939, Serial No. 268,661. Divided and this application July 15, 1939, Serial No. 284,574

12 Claims. (Cl. 250—27.5)



1. A make-alive starter for mercury pool devices comprising substantially 40% to 60% from the group of boron and silicon carbide and 60% to 40% from the group of silicon and its iron alloys.

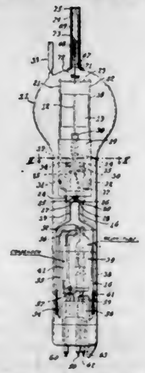
2,242,483

RADIANT ENERGY METER AND METHOD OF MAKING

Harvey C. Rentschler, East Orange, and Donald E. Henry, Cedar Grove, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 17, 1939, Serial No. 279,662

16 Claims. (Cl. 250—172)



1. A photoelectric device comprising an envelope consisting of a tubular portion and another portion, a cathode disposed in said other portion and sensitive to radiations to be measured, said other portion being permeable to such radiations, an anode mounted in cooperative relationship with said cathode, and a relay tube and condenser in said tubular portion.

2,242,484

STABILIZATION OF RESIN SIRUPS

Paul C. Schroy, Darien, and Raymond P. Hofferbert, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application February 28, 1939, Serial No. 258,952

3 Claims. (Cl. 260—29)

3. A process comprising refluxing one mol of urea with two mols of formaldehyde in aqueous solution at a pH of 3–6 until a high viscosity sirup with a resin content of about 50% is obtained, said viscosity being between about 50 and 450 centipoises, neutralizing the sirup thus formed, removing about 10–20% of the solvent material and adding sufficient ethanol to the concentrated sirup to obtain a concentration of ethanol in the finished product between about 10% and 20%, thereby producing a stable resinous sirup which may be diluted with as much as 10 parts of water without precipitation of the resin.

2,242,485

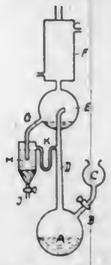
PRODUCTION OF ALKYLENE OXIDES DIFFICULTLY SOLUBLE IN WATER

Gerhard Stein, Mannheim, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application December 30, 1938, Serial No. 248,420

In Germany December 31, 1937

2 Claims. (Cl. 260—348)



1. The process for the production of glycide nitrate which comprises distilling a mixture of water and of the gamma-nitric acid ester of alpha-chlor-beta-gamma-dihydroxypropane with the addition of a basic substance at such a speed that besides the glycide nitrate formed, water and the said nitric acid ester are contained in the distilling vapors, condensing the latter, separating from the condensate the layer insoluble in water which mainly consists of glycide nitrate, and recycling the aqueous part of the condensate containing the said nitric acid ester to the distilling mixture.

2,242,486

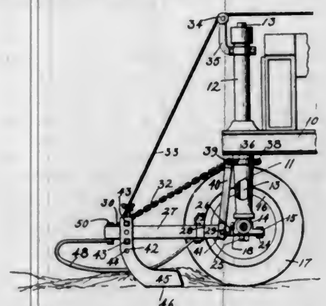
TRACK LEVELER FOR TRACTORS

Andrew E. Sutherland, Madrid, Iowa

Application May 11, 1940, Serial No. 334,545

8 Claims. (Cl. 97—47)

1. The combination of a tractor frame, including a steering axle, steering wheels therefor, a bracket detachably secured to the center of said axle, an arm having one end pivotally connected to said bracket and its free end extending forwardly thereof to swing upwardly and downwardly, means carried by said tractor frame for limiting the downward movement of the free end of said arm, a pair of vertically arranged shanks supported on opposite sides of said arm, said shanks having their lower ends curved rearwardly and downwardly and terminating in rearwardly diverging earth-leveling blades having their lower and cutting edges adapted to travel in substantially a horizontal plane, said blades also being inclined upwardly and rearwardly from said cutting edge, each of said blades being supported in front of its corresponding tractor wheel whereby leveled paths will be formed in ridges extending transversely of the line of advance of said tractor for said wheels as the tractor is advanced.



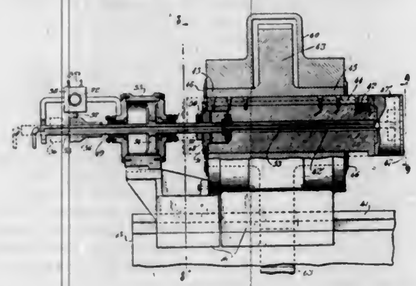
2,242,487

MACHINE FOR FACING ENDS OF FORGINGS

Clarence S. Swanson, Chicago, Ill., assignor to Standard Forgings Corporation, Chicago, Ill., a corporation of Delaware

Application December 23, 1938, Serial No. 247,426

7 Claims. (Cl. 90—14)



1. In a machine for facing the ends of axles and the like, a base, a rotatably mounted cutter head on the base, said head comprising a body circular in cross section, a blade carrying end member at one end of the body, a tubular member connected to said end member and extending through the axial center of the body of the head, a nut on the opposite end of the tubular member, a cylinder on the base, a hollow piston rod secured to the nut in continuation of the tubular member of the head, a piston on the rod within the cylinder, and means for actuating the piston, said hollow piston rod and tubular member providing a conduit for conveying fluid to the cutter head to be sprayed on the work.

2,242,488

METHOD FOR CONVERTING PARAFFINIC HYDROCARBONS INTO OLEFINS

Carlisle M. Thacker, Toledo, Ohio, assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application December 10, 1937, Serial No. 179,175

3 Claims. (Cl. 260—683)

1. The method of dehydrogenating low boiling paraffinic hydrocarbons into olefinic hydrocarbons of the same number of carbon atoms which comprises contacting the paraffinic hydrocarbons at reacting temperature with a catalyst prepared by impregnating silica gel with a solution of copper tungstate, drying the impregnated gel, decomposing it by means of air at elevated temperature and subjecting the decomposed material to the reducing action of hydrogen at elevated temperature.

2,242,489

OIL COMPOSITION

Victor H. Turkington, Caldwell, N. J., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York

No Drawing. Application November 16, 1938, Serial No. 240,707

7 Claims. (Cl. 260—19)

1. Composition suitable for coatings hardening by polymerization under the action of heat without substantial oxidation into a homogeneous solid of uniform character and comprising a substantially non-oxidizable reaction product of a monohydric phenol and an oxidizable fatty oil containing a conjugate double bond, said product having present not more than five per cent of the free phenol and having added thereto a hardening agent comprising a separately prepared heat-hardening oil-soluble resin obtained from formaldehyde reacted with a phenol substituted by a member of the group consisting of the alkyl and aryl radicals.

2,242,490

NITROGENOUS CONDENSATION PRODUCT FROM 1.2-ALKYLENE IMINES

Heinrich Ulrich and Karlhugo Kuespert, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application January 21, 1939, Serial No. 252,120. In Germany January 25, 1938

18 Claims. (Cl. 260—239)

18. Nitrogenous condensation products from a member of the group consisting of 1.2-alkylene imines and polymerization products of 1.2-alkylene imines and saturated aliphatic isothiocyanic acid esters.

2,242,491

SLAGGING FURNACE

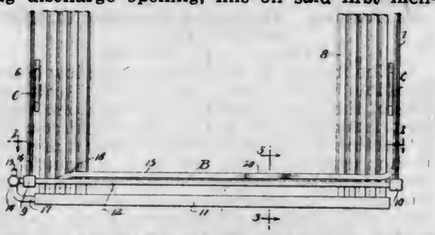
John Van Brunt, Flushing, N. Y., and Albert C. Weigel, East Orange, N. J., assignors to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware

Application June 5, 1939, Serial No. 277,380

6 Claims. (Cl. 122—235)

1. In a bottom for slagging furnaces having a liquid slag discharge opening extending therethrough, the combination of cooling tubes extending across said bottom in closely spaced relation and lying in a horizontal plane, end head-connected, a pair of similarly extending tubes the

ers into which the ends of said cooling tubes are major portions of which lie in a horizontal plane spaced above the plane of said first mentioned tubes and headers, said pair of tubes being bowed to provide a peripherally cooled lip for said liquid slag discharge opening, fins on said first mentioned tubes substantially closing the spaces therebetween and angularly disposed fins on said pair of tubes and the tubes adjacent thereto for substantially closing the spaces therebetween, and refractory covering for said tubes for preventing liquid slag from passing through said bottom except at said opening.



2,242,492

PROCESS FOR THE PRODUCTION OF BERYLLIUM COMPOUNDS

Helmut von Zeppelin, Bitterfeld, Germany, assignor, by mesne assignments, to Walther H. Duisberg, New York, N. Y.

No Drawing. Application April 1, 1939, Serial No. 265,509. In Germany April 5, 1938

2 Claims. (Cl. 23—24)

1. A process for the production of beryllium compounds which are free from fluorine, from solutions containing beryllium in the form of fluorine compounds, which comprises treating such solutions with a substance of the group consisting of the alkali metal hydroxides and ammonia in the presence of an electrolyte, the cation of which, belonging to the alkaline earth metal group, is capable of forming an insoluble fluoride, so as to precipitate beryllium in the form of its hydroxide together with an insoluble fluoride from such solution, and thereafter separating the beryllium hydroxide from such mixture of precipitates by treating the latter with an agent capable of dissolving only the beryllium hydroxide.

2,242,493

PROCESS FOR THE PRODUCTION OF BERYLLIUM COMPOUNDS

Helmut von Zeppelin, Bitterfeld, Germany, assignor, by mesne assignments, to Walther H. Duisberg, New York, N. Y.

No Drawing. Application April 1, 1939, Serial No. 265,510. In Germany April 5, 1938

6 Claims. (Cl. 23—24)

1. A process for the production of beryllium compounds which are free from fluorine, from an aqueous solution containing beryllium in the form of fluorine compounds, which comprises treating such solution with a hydroxide of an alkaline earth metal so as to precipitate a mixture of alkaline earth metal fluoride, beryllium hydroxide, and gangue, and thereupon separating the beryllium compound from such mixture of precipitates obtained by treating said mixture with a solution of at least one compound of the group consisting of the alkali metal hydroxides and the alkali metal and ammonium carbonates, so as to convert the beryllium hydroxide into solution, this solution being separated from the residue.

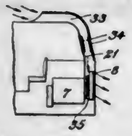
2,242,494

VENTILATING AND COOLING SYSTEM FOR MOTOR VEHICLES

Austin M. Wolf, Plainfield, N. J.

Original application April 7, 1932, Serial No. 603,701. Divided and this application October 10, 1938, Serial No. 234,263

5 Claims. (Cl. 180—54)



1. In combination with a motor vehicle body having a passage at one end of the body in communication at its opposite ends with the external atmosphere and receiving an air stream in the forward movement of the vehicle, said passage at one end thereof having vertically extending spaced walls each provided with a window, and said windows being in opposed relation to each other, and an internal combustion engine having a water cooling system including a radiator mounted and arranged at the egress end of said passage in the path of flow of the air stream.

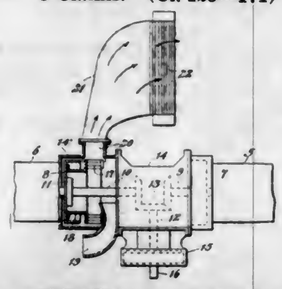
2,242,495

ACCESSORY FOR MOTOR VEHICLE POWER PLANTS

Austin M. Wolf, Plainfield, N. J.

Original application April 9, 1936, Serial No. 73,584, now Patent No. 2,185,165, dated December 26, 1939. Divided and this application November 30, 1939, Serial No. 306,845

5 Claims. (Cl. 123—171)



1. In combination, an internal combustion engine, a fly-wheel at one end of the engine crank shaft, power transfer mechanism beyond the fly-wheel including a power input shaft coupled to said fly-wheel, an accessory unit having a separate driving connection with said fly-wheel, and a unitary housing structure for said fly-wheel, accessory unit and power transfer mechanism directly fixed to the engine.

2,242,496

SEAR MECHANISM FOR FIREARMS

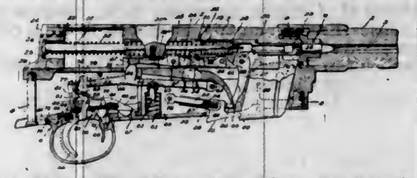
David M. Williams, Godwin, N. C.

Original application February 7, 1931, Serial No. 514,252. Divided and this application August 21, 1937, Serial No. 160,321

10 Claims. (Cl. 42—69)

1. In a bolt-action firearm, the combination with the bolt-unit thereof, of a spring-pressed firing-member; a sear serving to releasably hold the said firing-member in its cocked position; a trigger controlling the said sear; spring-means urging the said sear into position to hold the said

firing-member in its cocked position; and second spring-means constructed and arranged to be tensioned and relaxed by the movement of the



said bolt-unit and serving when tensioned to move the said sear into position to release the said firing-member when the said trigger is operated.

2,242,497

PROCESS OF REMOVING SILICA FROM MINERALS, SLAGS, AND SIMILAR MATERIALS

Eduard Zintl, Darmstadt, Walter Krings, Bitterfeld, and Wilhelm Bräuning, Sandersdorf, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y.

No Drawing. Application April 3, 1939, Serial No. 265,764. In Germany April 8, 1938

5 Claims. (Cl. 23—21)

1. A process of removing silica from minerals, slags, and similar materials containing difficultly volatilizable metal oxides chemically combined as silicates, said metal oxides being difficultly reducible with silicon which comprises adding silicon to such materials heating the mixture of materials and silicon to temperatures above 1250° C. under a vacuum thereby decomposing the silicate in the material with the formation of silicon monoxide, removing the silicon monoxide from the material as a gas and leaving the oxides as a residue.

2,242,498

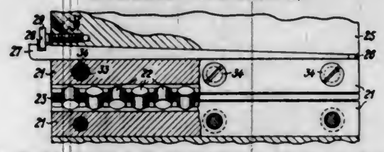
SLIDE GUIDE FOR MACHINE TOOLS

Kurt Zwick, Munich, Germany, assignor to Friedrich Deckel, Munich - Prinz - Ludwigshohe, Bavaria, Germany

Application May 14, 1938, Serial No. 208,030

In Germany August 1, 1936

7 Claims. (Cl. 308—6)



3. Guiding and supporting means for relatively movable parts of machine tools and the like, said guiding and supporting means including means forming a V-shaped groove on one of said parts, means forming a V-shaped groove on the other of said parts, said grooves being faced toward each other and extending longitudinally in the direction in which the two parts are to be moved relatively to each other, a series of rollers spaced relatively closely to each other and placed between said two grooves and extending into both of them, said rollers all being of substantially the same size and having axial lengths less than their diameters, certain of said rollers being tilted in one direction with their axes in a common plane and the remainder of said rollers being tilted in another direction with their axes in a common plane at a substantial angle to the first mentioned plane, and a cage bar interposed between said two grooves and having openings for loosely receiving said rollers in a floating manner, the openings for the rollers tilted in one direction being of different shape and appearance from the openings for the rollers tilted in the other direction so that an incorrect tilt of a roller when assembling them will be readily apparent.

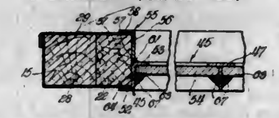
2,242,499

DOOR CONSTRUCTION

Harry G. Ainsworth, Aurora, Ill., assignor to Richards - Wilcox Manufacturing Company, Aurora, Ill., a corporation of Illinois

Application June 11, 1937, Serial No. 147,667

3 Claims. (Cl. 20—35)



3. In a metal clad closure of the class described, the combination of two spaced apart sheet metal plates forming front and rear face portions of the closure and having a window opening therein, a skeleton framework of wood supporting said plates and having frame members outlining said window opening, and a window sash disposed in said opening, said sash comprising a front rectangular frame and a rear rectangular frame, one of said frames being composed of Z-shaped bars and the other frame being composed of L-shaped bars, the outer flanges of said Z-shaped bars and the outer flanges of said L-shaped bars extending outwardly over said sheet metal plates on opposite sides of the door, the web flanges of said Z-shaped bars and of said L-shaped bars being welded together intermediate the outer surfaces of the closure to join said front and back frames into an integral structure, and a glass pane seated against the inner flanges of said Z-shaped bars.

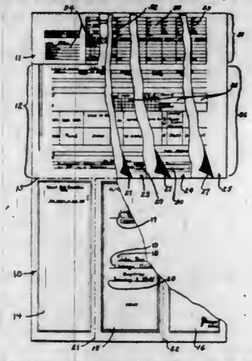
2,242,500

MANIFOLD ARRANGEMENT

Carl H. Anderson, Chicago, Ill., assignor to Lumbermens Mutual Casualty Company, Chicago, Ill., a corporation of Illinois

Application February 26, 1940, Serial No. 320,869

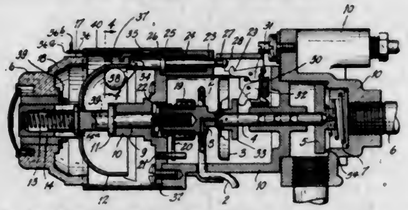
7 Claims. (Cl. 282—9)



1. A manifold set for simultaneously filling in an insurance policy and a record thereof, consisting of a blank policy having places indicated thereon for writing in the details of the particular insurance contract, said places being spaced from one edge of said policy, a record sheet detachably secured under said policy and having

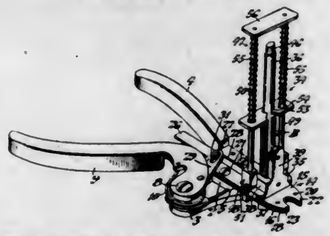
similarly indicated places located directly under the corresponding places on the policy and having other places indicated thereon for writing which is not to appear on said policy, said other places being located between said first places and said edge, an integral flap on and overlying said policy above said other places and having similarly indicated places located directly over said other places on said record sheet, said flap being detachably secured to and along adjacent edges of said policy and said record sheet, and a sheet of carbon paper lying between said policy and said record sheet.

2,242,501
TEMPERATURE INDICATOR
Thomas T. Arden, Greensburg, Pa., and Glen M. Cassidy, St. Louis, Mo., assignors to American Thermometer Company, St. Louis, Mo., a corporation of Delaware
Application January 23, 1939, Serial No. 252,402
12 Claims. (Cl. 236—94)



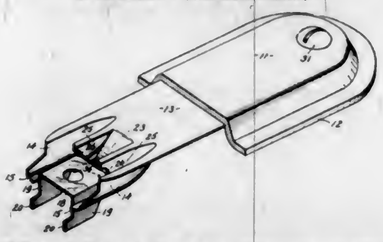
1. A thermostat comprising a member responsive to variations of temperature, control means adapted to be actuated by said member, means for adjusting said member relative to said control means, said adjusting means including a movable temperature scale and a pointer movable transversely of said scale independently thereof, means for setting said pointer in retracted position, means operable by said member for releasing said pointer setting means at the temperature indicated on said scale by said pointer, and means operable upon the release of said setting means for snapping said pointer to advanced position.

2,242,502
IMPLEMENT FOR AND METHOD OF FORMING AND APPLYING JUMP RINGS
Ralph C. Bangs, Providence, R. I., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application May 31, 1940, Serial No. 338,126
12 Claims. (Cl. 59—35)



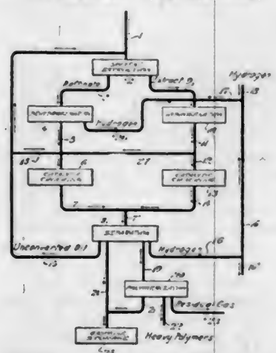
1. The method of forming a jump ring or the like which comprises providing an open C-shaped blank and forcing the blank through a continuously converging channel of a contour to cause the blank to be compressed and reshaped during its movement therethrough until its ends abut to form a closed ring.

2,242,503
MEANS FOR DETACHABLY SECURING COVERS TO BOXES
Gerhard H. J. Baule, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application August 28, 1939, Serial No. 292,180
6 Claims. (Cl. 292—256)



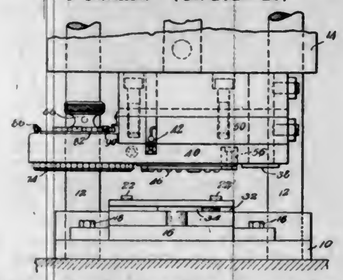
1. Means for detachably securing covers to boxes, comprising a plate arranged on the under side of the cover and being formed with depending spaced apart side portions at each end thereof, a nut receiving portion formed integral with said plate and arranged at each end thereof between said depending portions and being movable toward and from the cover, a nut arranged in each nut receiving portion, each of said nut receiving portions being cooperable to retain said nut against rotation, a screw extending through each end of the cover and threaded into each of said nuts, said nut receiving portions being each formed with integral projections, each nut and screw being cooperable with each nut receiving portion to move the same toward the cover and to move the projections thereof into engagement with the adjacent end wall of the box.

2,242,504
CATALYTIC CONVERSION OF HYDROCARBONS
Wayne L. Benedict and Jacob Elston Ahlberg, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 29, 1939, Serial No. 270,850
11 Claims. (Cl. 196—13)



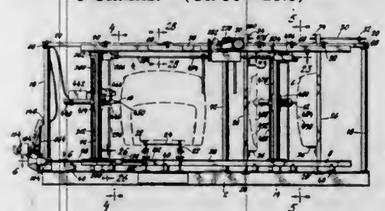
10. A process for producing anti-knock gasoline which comprises extracting hydrocarbon oil with a selective solvent, separating the resultant raffinate and extract, subjecting the raffinate to dehydrogenation, hydrogenating the extract, catalytically cracking the dehydrogenated raffinate and the hydrogenated extract, separating gasoline and a hydrogen-containing gas from the cracked products, recovering the gasoline and supplying at least a portion of said gas to the aforesaid hydrogenating step.

2,242,505
STAMPING MACHINE
Harry M. Bolston, Revere, Mass.
Application July 26, 1940, Serial No. 347,805
3 Claims. (Cl. 101—18)



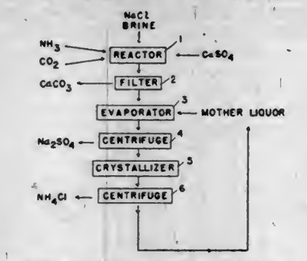
1. In a stamping machine for making a plurality of markings in the die stock for shoe cutting dies, die stock positioning means, a vertically reciprocable stamping head having an abutment plate, a die holder pivotally mounted on said stamping head to swing in a horizontal plane beneath said abutment plate, said holder having a slot to removably receive individual die members, means for locking a plurality of die members in said holder, a rotatable die carrier associated with said die holder, a plurality of die members arranged in a circular row and supported by said holder, means for rotating said carrier, means for releasably locking said carrier in position whereby a selected die is brought into marking position in alignment with the first mentioned dies, all of the dies in marking position being retained against upward displacement by the abutment plate of the stamping head.

2,242,506
PHOTO-CELL CONTROL FOR DIE SINKING MACHINES
Tracy F. Brackett, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 31, 1937, Serial No. 156,644
9 Claims. (Cl. 90—13.5)



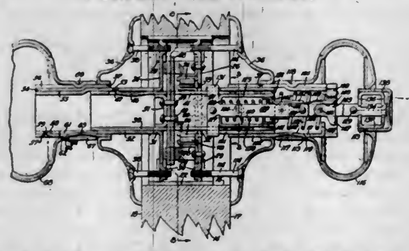
1. In a surface reproducing machine, a stationary base, uprights secured thereto, a member having the same outline as the base secured to the upper extremity of each upright and forming with the base a box-like structure, a plurality of rails carried by both upper and lower base members, a second box-like frame supported movably on the rails, means for driving the movable frame along the rails, a plurality of means extending across the stationary structure in spaced relation, a model and a blank adapted to be secured to the last-named cross means whereby both model and blank are totally enclosed within the structure, scanning and cutting means secured to the movable frame in juxtaposition to the model and blank respectively and means connecting the scanning means to the driving means whereby the movable frame may be driven to carry the cutter in response to the movement of the scanner and reproduce an equivalent surface.

2,242,507
MANUFACTURE OF SODIUM SULPHATE
Walter Burg, Toledo, Ohio, assignor of one-half to Robert L. Burg, Louisville, Ky.
Application January 28, 1938, Serial No. 187,338
In Germany November 4, 1937
1 Claim. (Cl. 23—100)



The process of manufacturing sodium sulphate and ammonium chloride which consists of first treating a solution of sodium chloride with ammonia and carbon dioxide, then reacting calcium sulphate with the solution, then filtering out calcium carbonate, then adding mother liquor from a preceding run, then concentrating the filtrate and mother liquor by evaporation until a substantial precipitation of sodium sulphate has taken place, removing sodium sulphate by filtration, then cooling the remaining solution and filtering ammonium chloride from the cooled solution.

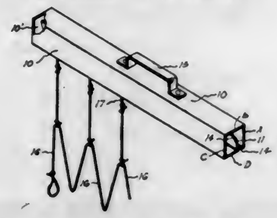
2,242,508
DOOR LOCK
John F. Ching, Berkeley, Calif.
Application June 21, 1940, Serial No. 341,707
7 Claims. (Cl. 292—169)



1. A lock comprising a lock body having a fixed element therein, a tubular knob shaft mounted for rotation in said lock body, said knob shaft having a longitudinally extending slot therein, a bolt housing extending radially into and from said lock body, a bolt structure including a crosshead slidably mounted in said bolt housing adjacent and movable relative to said fixed element, a push rod in and extending axially of said knob shaft, said push rod having a dogging key thereon extending through the knob shaft slot and projecting radially beyond the periphery of the knob shaft, means connected with said push rod and extending beyond an

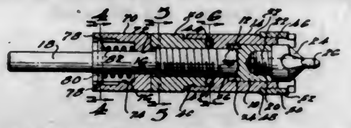
end of said knob shaft for moving said push rod axially of the knob shaft and the dogging key into engagement with the fixed element and crosshead so as to secure the fixed element and crosshead together against relative movement, a latch lever carried by said push rod and engageable with a portion of said knob shaft, when the push rod is moved, for connecting the push rod and knob shaft together so as to retain the dogging key in engagement with the fixed element and the crosshead, and means associated with said knob shaft for releasing the engagement therewith of said latch lever.

2,242,509
FISHHOOK AND TROTLINE HOLDER
Douglas Coalson, Brownwood, Tex.
Application November 7, 1938, Serial No. 239,325
10 Claims. (Cl. 43—31)



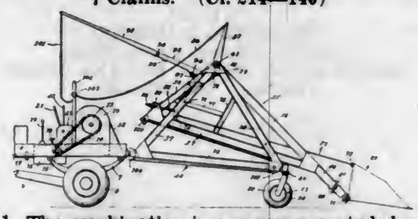
1. A trotline holder including, a casing having one end open, a pair of upright supports spaced from each other within the casing, each support being arranged to receive the curved portion of a fishhook whereby said hook is suspended from the support, and means for confining and guiding the shank of the hook when so suspended.

2,242,510
ADJUSTABLE COUNTERSINK STRUCTURE
Stuart A. Cogsdill, Detroit, Mich., assignor to Cogsdill Twist Drill Co., Detroit, Mich., a corporation of Michigan
Application August 22, 1940, Serial No. 353,608
3 Claims. (Cl. 77—55)



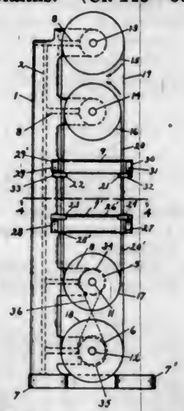
1. In a device of the character described, in combination, a countersink including a shank portion and a bit portion, a nut threadably mounted on said shank portion, a sleeve surrounding said shank portion in rotatable and relatively axially movable relation with respect thereto and extending into shrouding relation with respect to said bit portion, said nut cooperating with said sleeve for limiting axial movement of the latter in one direction, a second sleeve nonrotatably but axially slidably mounted on said shank portion in cooperative relation with respect to said nut, spring means constantly urging said second sleeve axially towards said nut, and cooperating interengageable teeth formed on said second mentioned sleeve and said nut, respectively, for locking said nut against rotation relative to said shank portion, said second mentioned sleeve being axially retractable against the force of said spring means to disengage said teeth whereby to permit relative rotation of said nut on said shank portion.

2,242,511
SHOVEL AND HOIST
Harold H. Cook, Steward, Ill.
Application March 16, 1939, Serial No. 262,134
7 Claims. (Cl. 214—140)



1. The combination in a power operated shovel and hoist, of a boom formed in the general shape of a triangle having a short side and two relatively long sides, means for pivotally supporting the boom at the junction between the short side and one of said long sides, means at the junction between said short side and the other of said long sides for the attachment of an actuating cable to rotate the boom, a bucket pivotally supported at the junction between the long sides of the triangle, and means within the triangle manually operable to latch the bucket in any of a number of positions and to release the bucket for rotation under the weight of its contents.

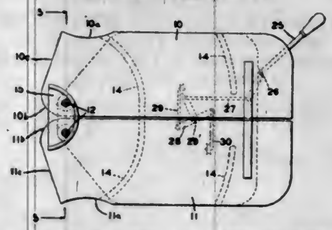
2,242,512
SLICING MACHINE
Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa
Application May 16, 1938, Serial No. 208,129
12 Claims. (Cl. 146—88)



1. In a bread slicing machine of the class described, a supporting frame having a longitudinal axis and a transverse axis at right angles to each other, an inner pair and an outer pair of parallel spaced shafts revolvably mounted in said frame at a uniform angle of approximately 45° to the longitudinal axis of the machine, blade-supporting and driving drums of uniform diameter from end to end mounted upon said shafts, a plurality of endless band-blades mounted upon the inner pair of drums to run thereon in parallel planes at right angles to the axes of the drums, a plurality of endless band-blades mounted upon the outer pair of drums to run thereon in parallel planes, each of said blades having two cutting courses intermediate the inner drums and the cutting courses of each outer blade running in uniform parallel spaced relation to the cutting

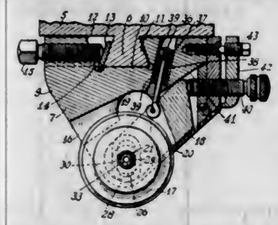
courses of its corresponding inner blade, and all of said blades being uniformly twisted intermediate their respective carrying drums so that the cutting courses of all the blades will run in planes parallel to the longitudinal axis of the frame.

2,242,513
PRESS BUCK
James M. Dewey, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application April 13, 1938, Serial No. 201,664
3 Claims. (Cl. 38—64)



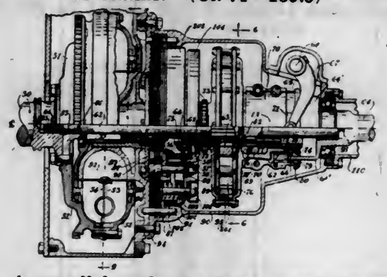
3. A pressing element for pressing men's shirts comprising two buck portions each adapted to accommodate half a shirt front, said portions having mutually facing substantially straight edges along which the edges of an open front shirt are adapted to lie, said facing edges lying close together toward the neckband end of said element, a pivot support for each buck portion adjacent said facing edges and at the neckband end thereof, the end portions of said facing edges being cut away to permit swinging of said portions about their pivots and to permit proper draping of a shirt, the end edges of said buck portions at the neckband end sloping outwardly and toward the opposite end of the element, and a neckband holder spaced inwardly from said end edges in a manner to hold shirt yoke portions forward of the shoulder line in pressing position on said buck portions.

2,242,514
SCORING KNIFE
Henry De Smith, Rochester, N. Y., assignor to M. D. Knowlton Company, Rochester, N. Y., a corporation of New York
Application April 29, 1939, Serial No. 270,874
2 Claims. (Cl. 164—70)



1. A scoring knife comprising a flat blade holder having a circular opening therein extending in a direction normal to the flat surfaces of said holder, said holder having a plurality of slots communicating with said opening, a cylindrical journal movable in the direction of its axis into said opening, a pin fixed to said journal and adapted to be selectively received in one of said slots to prevent said journal from turning in said holder, and a scoring blade rotatably mounted on said journal.

2,242,515
TRANSMISSION
Adiel Y. Dodge, South Bend, Ind.
Application April 30, 1934, Serial No. 723,083
34 Claims. (Cl. 74—189.5)



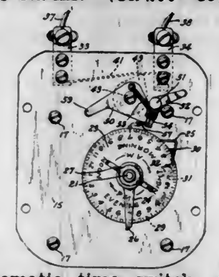
1. A parallel series variable speed transmission comprising a turbine unit and a gear unit, said turbine unit comprising a vaned fluid-propelling member, a vaned fluid-propelled member and a vaned fluid-reactance member, said three members being coaxial, said gear unit comprising a first gear connected to rotate with and at the speed of the fluid-propelling member, a second gear connected to rotate with and at the speed of the fluid-propelled member, and a member driven by both gears.

2,242,516
ORGANOMETALLIC COMPOUND AND PROCESS FOR ITS MANUFACTURE
Clément Duval, Paris, France, assignor to Societe d'Electrochimie, d'Electrometallurgie et des Acieries Electriques d'Ugine, Paris, France, a corporation of France
No Drawing. Application March 8, 1939, Serial No. 260,589. In France November 30, 1938
8 Claims. (Cl. 260—614)

2. An organo-metallic compound of the formula:

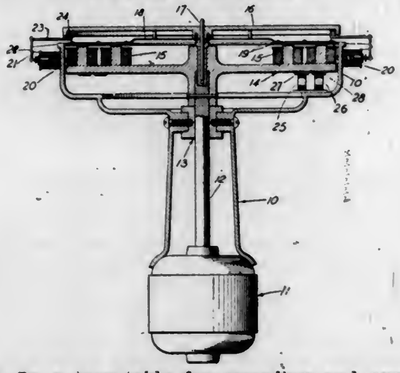
$$[MgI_2(CH_3)_2\{(C_2H_5)_2O\}_2]Ca$$

2,242,517
AUTOMATIC ELECTRIC TIME SWITCH
Benjamin F. Flegel, Racine, Wis.
Application August 31, 1940, Serial No. 354,921
5 Claims. (Cl. 200—39)



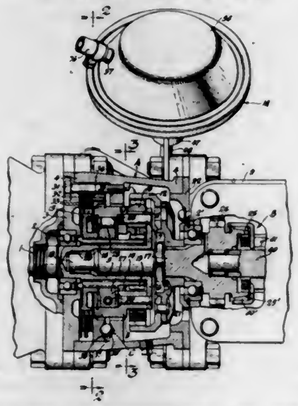
1. An automatic time switch, comprising a time mechanism having a movable time indicating dial, a yieldable switch element included in and controlling an electric circuit, snap-action mechanism associated with said switch element for operating the latter, and means for initiating movement of said mechanism upon movements of the time dial to predetermined positions, said means including an arm and a yielding compression lug, both of which are adjustably associated with said dial for movement therewith.

2,242,518
TURNTABLE DRIVE
Ferenz H. Fodor, Los Angeles, Calif., assignor to Regan-Day, Inc., Los Angeles, Calif., a corporation of California
Application January 2, 1940, Serial No. 312,179
3 Claims. (Cl. 192—9)



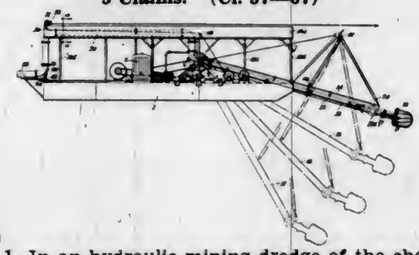
1. In a turn-table for recording and reproducing devices and the like, the combination of: a supporting base, a vertical drive shaft journaled in said base, means for continuously driving said shaft, a rigid circular member mounted on said shaft for rotation therewith, a freely revolvable floating turn-table above said member and concentric therewith, electromagnetic coils carried by said member; an armature plate resiliently attached to said turn-table, said plate being out of contact with said coils when said coils are deenergized and adapted to contact said coils when said coils are energized; stationary brake coils attached to the supporting base, brake shoes in operative relation to said turn-table, means connecting said brake coils and brake shoes; and a circuit including a source of energy and a double throw switch whereby said brake coils are deenergized when said electro-magnetic coils are energized, and the latter are deenergized before the brake coils are energized.

2,242,519
OVERDRIVE GEARING
Mark H. Frank, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 30, 1937, Serial No. 156,534
21 Claims. (Cl. 74—472)



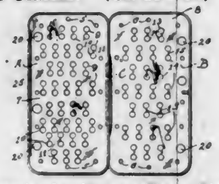
1. In power transmissions, in combination, control means for a variable speed gear unit comprising, fluid pressure means arranged to actuate changes of speed ratio in said unit, mechanical means arranged to reinforce the positioning of said fluid pressure means in definite speed ratio establishing positions, a differentially ported device cooperating with said fluid pressure means effective to establish changes in speed ratio according to predetermined variations in pressure, and variable with torque demand to change the fluid pressure effective in said device to establish the said changes in speed ratio.

2,242,520
HYDRAULIC MINING APPARATUS
Olaf Grundborg, Fairhaven, N. J.
Application September 9, 1937, Serial No. 163,012
5 Claims. (Cl. 37—67)



1. In an hydraulic mining dredge of the character described, the combination of: a suction pipe journaled at one end through a stationary bearing member for pivoting said pipe about a horizontal axis, a rotary excavator, a hollow knuckle joint articulatable about a horizontal axis, the free end of said suction pipe terminating in the arm of said knuckle joint, said rotary excavator being journaled to the finger thereof, an equalizing rod paralleling said suction pipe, said rod being pivoted at one end to the finger of said joint, said rod being adjustably pivoted at its opposite end to said stationary bearing member whereby the axis of said excavator may be adjusted to remain substantially fixed in direction as the free end of said suction pipe is elevated and depressed.

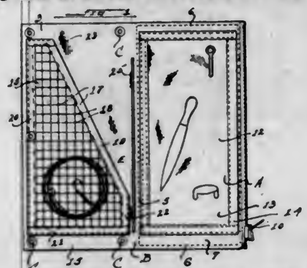
2,242,521
REMOVABLE SNELLESS FLY BOX
Glen P. Heiner, Salt Lake City, Utah
Application June 20, 1936, Serial No. 86,215
3 Claims. (Cl. 43—32)



1. In a receptacle for snelless flies, the combination of a receptacle and cover therefor and a single sheet of perforated flexible material mounted in the flat surface of said receptacle and cover.

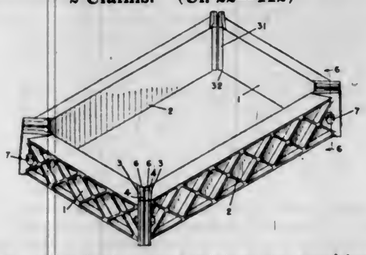
2,242,522
REMOVABLE SLIDE FASTENER POCKET AND LEADER POCKET
Glen P. Heiner, Salt Lake City, Utah
Application June 20, 1936, Serial No. 86,218
10 Claims. (Cl. 43—32)

1. In a device of the class described, the combination of two sheets of material sewed together down their medial portions, with the ends of two engaging halves of the two sheets sewed together



to form a pocket therebetween; a slide fastener secured to the edges of the pocket; and suitable fasteners secured to the two sheets to permit ready removal or insertion in a fly book.

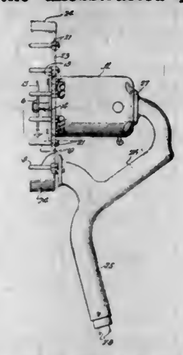
2,242,523
JACKET
Russell J. Hines, Lakewood, and David A. Collings, Cleveland, Ohio, assignors, by mesne assignments, to Hazel K. Hines, Lakewood, Ohio
Application May 12, 1939, Serial No. 273,260
2 Claims. (Cl. 22—112)



1. A mold jacket comprising, in combination, a plurality of side walls arranged to define corners at their adjacent ends, the ends of said walls being formed to provide opposed faces, and said faces having opposed, symmetrical key-ways of plane-sided channel shape formed therein; bar keys, the cross-section of which is a regular polygon having an even number of sides, having opposite corners complementally fitting said key-ways and spacing the opposed faces of adjacent ends of said walls; and means for holding the side walls together at the corners.

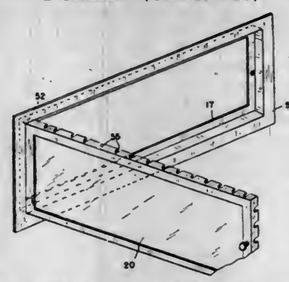
2,242,524
HEDGE TRIMMER
Henry J. Hunt, Chicago, Ill., assignor of one-half to S. Amundsen, Chicago, Ill.
Substituted for abandoned application Serial No. 682,219, July 26, 1933. This application September 9, 1939, Serial No. 294,122
2 Claims. (Cl. 30—276)

1. A portable manually supported hedge trimmer comprising a base plate, an electric motor mounted on said base plate at one side thereof, a rotary cutting blade driven by said motor and disposed on the opposite side of said base plate from said motor, a handle for manually supporting said base plate and motor, and a plurality of parallel substantially U-shaped bars secured at their opposite ends to said base plate for guiding the twigs or branches of said hedge into the path of movement of said blade and for supporting the same while being severed thereby, said bars being spaced throughout their length to provide for the unobstructed passage of said



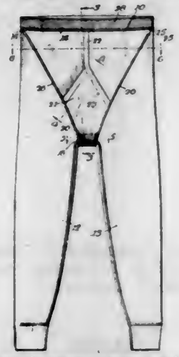
twigs or branches therebetween when the trimmer is moved either forwardly or backwardly substantially parallel therewith.

2,242,525
ILLUMINATING DEVICE
Ivan M. Kirlin, Detroit, Mich.
Application October 30, 1937, Serial No. 171,880
1 Claim. (Cl. 240—47)



Housing means for an electrical illuminating device, comprising a box-like casing having an opening in one face thereof, a glazed door for closing said opening, said door having a metallic border frame substantially smaller than said opening and movable to and from a closed position in which it lies across said opening and projects into a part of the casing, means locating the border frame in the opening, to allow movement of air around the edges of said frame and into and out of said opening, means permitting circulation of air into and out of said part of the casing comprising a plurality of notched portions formed in said portion of the frame which projects into a part of the casing, whereby air may move around the back as well as the edges of said frame and into and out of the interior of the casing thereabout, the air paths thus provided being sufficiently devious to prevent vision and escape of light therethrough, said border frame having a portion of substantially right angular cross section, including a front flange lying substantially in the plane of the opening, a translucent panel lying against the inner face of said front flange, and outside flange portions extending inwardly of the opening around the edges of said panel and projecting rearwardly therebeyond, said notched portion being formed in said outside flange portion, a portion of said casing extending forwardly around said border frame to substantially coplanar relation with respect to said front flange.

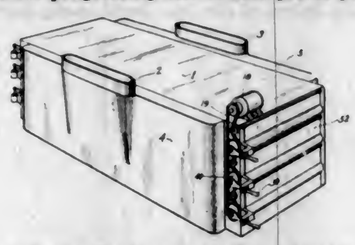
2,242,526
UNDERGARMENT
Arthur R. Kneibler, Kenosha, Wis., assignor to Coopers Incorporated, Kenosha, Wis., a corporation of Wisconsin
Application January 13, 1936, Serial No. 58,806
Renewed December 27, 1938
8 Claims. (Cl. 2—224)



5. A man's undergarment made of knitted material having substantially vertically extending, relatively non-extensible wales and which is stretchable circumferentially and adapted to fit snugly all parts of the body so that the material of the garment is under tension circumferentially while being worn, said undergarment having an elastic waist band which exerts a greater constrictive force than the knitted material of the garment and which serves to at least partially support the garment in the vertical direction through the substantially inextensible wales of the knitted material employed; a front panel attached to said waistband and tapering downwardly toward the crotch and of suitable width at the crotch to serve as a masculine supporter; a rear panel extending upwardly and rearwardly from said crotch portion and connected at its upper edge to said waistband; and side panels forming lateral coverings for the trunk and thighs between said front and back panels and connected thereto along their adjacent edges to form a complete garment, the lower portions of said side panels forming integral tubular legs extending downwardly from said crotch; the seams connecting the upper edges of said side panels to the front panels being relatively inextensible and being disposed along lines substantially coincident with the groins of the wearer, said seams serving to resolve and transmit the lateral and vertical forces of the front and leg panels in the upper part of said garment so as to sustain and stretch transversely the material constituting the masculine supporting crotch of said garment, and serving with said waistband, at all times to maintain said garment in snug body fitting relation on the wearer thereof.

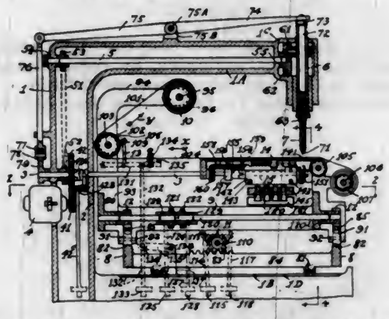
2,242,527
QUICK FREEZING OF PACKAGED FOODSTUFFS
Frank W. Knowles, Seattle, Wash.
Application July 31, 1939, Serial No. 287,581
5 Claims. (Cl. 62—102)

1. A refrigeration device, comprising: a first and a second plate for supporting therebetween a layer of packages in contact with opposed faces of said plates, said plates having radiation faces, radiation fins on said radiation faces, means for moving said plates to and from each other, means for refrigerating said radiator faces and fins, and means for progressing one of said plates parallel



to the other to feed packages in and out of said device.

2,242,528
STITCH-FORMING MECHANISM
John Kozibroda, Hamtramck, Mich.
Application December 5, 1938, Serial No. 243,983
3 Claims. (Cl. 112—98)

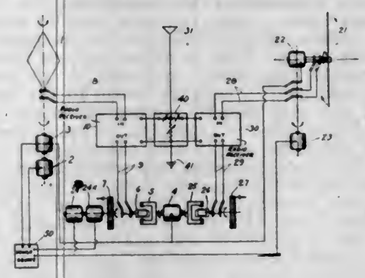


2. In a stitch-forming mechanism, the combination, with a vertically reciprocating needle, of a horizontal shuttle-driving shaft, a series of shafts each carrying a hook shuttle and adapted to be selectively brought into driving relation with said first-mentioned shaft, whereby stitches of various colors may be formed, and means for positioning said driving shafts comprising a carrier element having bearings for all of said shafts, manually operated means for moving said element, locking means for holding said element temporarily in a given position, and means for returning said element to initial position when said locking means is rendered inoperative.

2,242,529
METHOD OF PRODUCING RESIN SOAP
Arthur Langmeier, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 25, 1938, Serial No. 236,895
6 Claims. (Cl. 260—105)

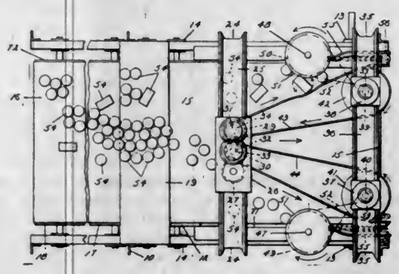
1. A method of preparing a soap solution which comprises dispersing in water the resin obtained as a by-product in the refining of FF wood rosin to a pale grade of wood rosin and characterized by an acid number from about 105 to about 140, a saponification number from about 150 to 170, an unsaponifiable content from about 10 to about 20 per cent, a drop melting point from about 175° to about 210° F. and a gasoline insoluble content from about 30 to about 80 per cent, carrying out said dispersion with about 10 to about 50 per cent by weight solids concentration, and saponifying the said resin at room temperature with an aqueous alkali metal hydroxide solution of about 20 to about 50 per cent concentration to give a substantially neutral soap.

2,242,530
RADIO DIRECTION FINDER
Tyng M. Libby, Seattle, Wash.
Application June 9, 1937, Serial No. 147,334
11 Claims. (Cl. 250—11)



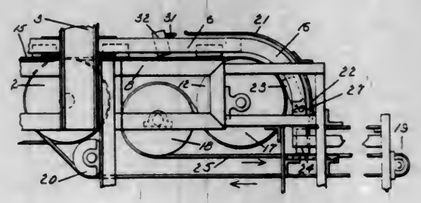
3. In a radio direction finder: means for determining and continuously indicating a plane normal to a particular wave front at a point of reception, means for determining and continuously indicating the line in said plane normal to said wave front at said point of reception, and means including said previous means for determining and continuously indicating the sense of the direction of propagation of said wave front.

2,242,531
CAN HANDLING APPARATUS
Frederick C. Marx, Cincinnati, Ohio, assignor to The Heekin Can Company, Norwood, Ohio, a corporation of Ohio
Application August 11, 1938, Serial No. 224,315
3 Claims. (Cl. 198—30)



1. Apparatus for transferring and arranging a plurality of articles, said apparatus comprising a carrier moving in one direction and adapted to have the articles deposited unarranged thereon, a belt mounted adjacent the carrier for movement in the same general direction as the carrier and positioned substantially upright relative thereto, and a guide wheel mounted adjacent the carrier in opposed relation with said belt and having its periphery adjacent said belt rotating in the same general direction as and at a slower peripheral speed than said belt, said belt and wheel forming a guideway providing for passage therethrough, in one-by-one formation only, of articles carried by the carrier.

2,242,532
CAN RIGHTING MECHANISM
Frederick C. Marx, Cincinnati, Ohio, assignor to Heekin Can Company, Norwood, Ohio, a corporation of Ohio
Original application August 11, 1938, Serial No. 224,315. Divided and this application September 11, 1939, Serial No. 294,311
3 Claims. (Cl. 198—33)



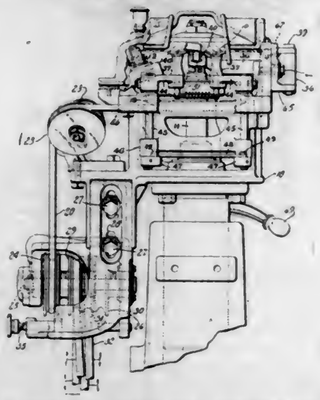
1. In combination, a constantly moving carrier, a chute above the carrier for delivering cans or similar articles thereto in an endwise position, and a yieldable member projecting inwardly of the chute adjacent the bottom thereof, said member being adapted to yield upon contact thereof by the individual articles to provide for passage of the articles onto the carrier and to return inwardly after each contact into a position immediately above the delivered article to preclude toppling or displacement thereof by the carrier.

2,242,533
METHOD OF FASTENING ROPES TO FITTINGS
William A. Meighan, Portland, Oreg.
Application January 2, 1940, Serial No. 312,037
6 Claims. (Cl. 24—129)



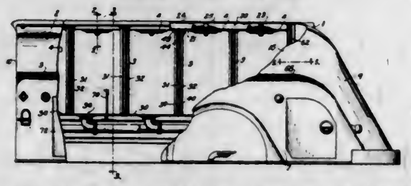
4. The method of securing the end of a cable to a chambered fitting provided with two lateral apertures consisting in threading said cable through said apertures, forming a looped section of cable lying between said apertures, forming a second looped section loosely about said fitting, threading said second looped section beneath said first mentioned section, inserting the extreme end of said cable in said chamber, drawing the cable longitudinally to flatten the loop from said first section, thereby bending a sharp kink in said cable immediately adjacent the mouth of said chamber and simultaneously binding said second looped section to the face of said fitting, and thereafter drawing said cable through said apertures to tighten said second looped section and bind it about said fitting.

2,242,534
TRIMMING MACHINE
Vernon H. Meyer, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 1, 1937, Serial No. 172,115
18 Claims. (Cl. 12—83.5)



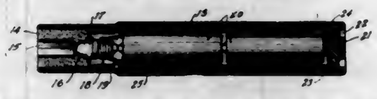
1. A trimming machine comprising power-driven means having a cutting edge arranged to sever surplus material on the bottom of a lasted shoe fed toe-foremost, and three cooperative gages each arranged to bear on the overdrawn margin of the upper adjacent to the edge of the insole to control the closeness of the trimming, said gages including two opposite side-gages constructed and arranged to engage said margin at points adjacent to said cutting edge, and the third gage being movable with respect to the side gages and mounted to be pushed past said cutting edge by the toe of the shoe from an initial position between said side-gages.

2,242,535
TRUCK TANK
Herbert L. Mika, Kansas City, Kans., assignor to Standard Steel Works, North Kansas City, Mo., a corporation of Missouri
Application October 18, 1937, Serial No. 169,624
8 Claims. (Cl. 220—22)



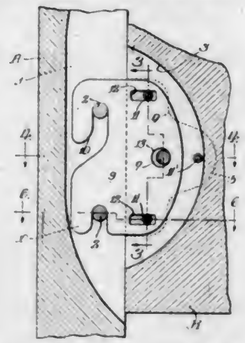
1. In a tank including longitudinal sheets shaped to form the upper portion of the tank and having expansion ribs defining flanges along the lower edges of said sheets, attaching strips having one edge welded to the inner surface of the longitudinal sheets and having ends depending below said flanges, bulkheads welded to the attaching strips, and transverse sheets shaped to form the bottom portion of the tank and having side edges welded to the bulkheads and underlying ends welded to said flanges, said transverse sheets having notched portions to accommodate the projecting ends of the strips, the projecting ends of said strips being welded to the transverse sheets at the edges of said notches.

2,242,536
WORK ILLUMINATING TOOL
Glen E. Montgomery, Oakland, Calif.
Application March 1, 1940, Serial No. 321,675
1 Claim. (Cl. 240—6.46)



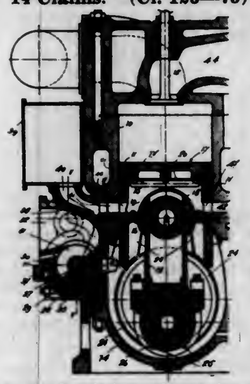
A work illuminating tool comprising: a hollow outer tube; a relatively long plug of transparent plastic fixedly imbedded in the forward extremity of said tube; a hollow, square ferrule permanently imbedded in a socket in the outer face of said plug; a concave socket in the inner face of said plug directly behind said ferrule; a series of dry cells in alignment in said tube; a battery cap fitted snugly over the foremost cell; an electric globe threaded into said cap with its tip enclosed in the concave socket of said plug; a rotatable switch disc in the rearward extremity of said tube in circuit between said cells and said globe; a spring on said disc for forcing said cells forwardly to maintain the globe in its concavity; an expanding wire ring for holding said disc in place; and a finger grip on the external face of said disc to facilitate its rotation for switching purposes.

2,242,537
CLAMPING COUPLING JOINT
George Samuel Moore, Chicago, Ill.
Application April 18, 1940, Serial No. 330,365
4 Claims. (Cl. 5—296)



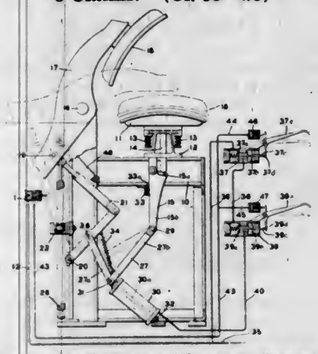
2. A bedstead fastener comprising a plate engageable with one side of the bedstead side rail adjacent one end thereof, said end of said side rail having a slot formed therein, a coupling element consisting of a substantially flat plate partially engaged in said slot in the side rail, that portion of said coupling element engaged in said side rail slot having relatively spaced slots therein, connecting screws engaged through portions of said plate, adjacent portions of said side rail and through the slots in said coupling element, the normally inner end portion of said coupling element having an opening formed therein, an adjusting screw threadedly engaged through said plate and its inner end tapered and engaged in said opening formed in the normally inner end portion of said coupling element, engaging means on the normally outer and extended end of said coupling element, a post of the bedstead having a way formed therein, pins engaged transversely through said post and its way in spaced relationship and adapted to be engaged by said engaging means on the normally outer and extended end of said coupling element upon its introduction into the way in said post.

2,242,538
INTERNAL COMBUSTION ENGINE
Albert Naccache, Beirut, Lebanon
Application March 8, 1939, Serial No. 260,565
In Lebanon March 8, 1938
14 Claims. (Cl. 123—75)



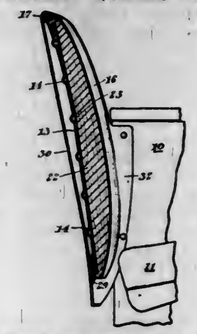
5. A four stroke internal combustion engine, which comprises, in combination, at least one cylinder, two reservoirs located on opposed sides of said cylinder, respectively, an inlet conduit for said cylinder, a hollow piston movable in said cylinder, a compressor, including said piston, a crankcase for said engine, and means for filling a portion of said crankcase for reducing the volume of the inside thereof, for compressing air into one of said reservoirs, a rotary distributor operatively connected with said engine and turning at the same speed associated with said compressor, and means connecting the other reservoir with said inlet conduit, said piston being adapted to connect said two reservoirs with each other for a portion of its stroke.

2,242,539
PRESS OPERATING MECHANISM
Edmund N. Neckel, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application May 9, 1938, Serial No. 206,713
8 Claims. (Cl. 38—25)



4. In a pressing machine, a frame, a bed mounted for limited vertical movement in said frame, a bell-crank lever having a short arm operatively connected with said bed for raising it and having a long arm extending downwardly in said frame, a head lever pivotally mounted intermediate its ends in said frame, a head mounted on the forward end of said lever and movable by lever oscillation into and out of pressing position over said bed, a stop on said frame, a member connected to the rear end of said lever and movable against said stop and between said frame and head lever in position to form a strut adapted to hold said head in pressing position, a toggle connected with said strut-forming member and said long arm of said bell-crank lever in a manner to move said bed upwardly as said toggle is straightened, said toggle being arranged to move the strut to head-holding position by movement of said toggle toward straightened position, and means for moving said member to strut-forming position and for moving said toggle toward straightened position.

2,242,540
CHAIR BACK
Henry P. Nordmark, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application June 29, 1939, Serial No. 281,812
9 Claims. (Cl. 155—180)



1. A chair back comprising a fabric supporting panel provided with a peripheral groove adjacent its top and sides and having fabric securing hooks adjacent its bottom edge, an upholstered covering for one surface of the panel whose top and side lengths are secured within the groove and whose bottom length is pierced by the hooks, and a padded reticulated frame disposed between the panel and its upholstered covering.

2,242,541
WINDOW CONSTRUCTION
Joseph Paul, Milwaukee, Wis., assignor to Phenix Manufacturing Company, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application March 4, 1940, Serial No. 322,158
3 Claims. (Cl. 20—55)

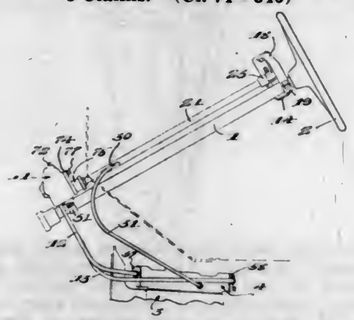
1. In a window construction, a main frame having an opening defined by stiles and by upper and lower rails, an insert removably positionable between said stiles and rails, said insert having sides which are insertable between the stiles by outward pressure from the inner side of the frame, and yielding clip means depending from the upper cooperating rail of the main frame and exerting an outward pressure on the insert to guide the upper edge thereof into cooperating engagement with the upper cooperating rail of the main frame, said yielding clip means being of such length as to engage

the upper portion of the insert when the latter is partially removed and lowered with its lower



edge resting on the window sill, whereby the clip means maintains the insert in ventilating position.

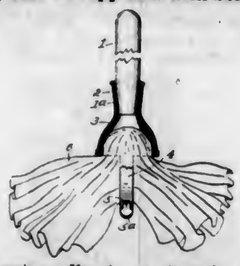
2,242,542
HYDRAULIC GEAR SHIFTING MECHANISM
Carl D. Peterson, Robert R. Burkhalter and Elmer J. Barth, Toledo, Ohio, assignors to Spicer Manufacturing Corporation, Toledo, Ohio, a corporation of Virginia
Application October 5, 1938, Serial No. 233,440
3 Claims. (Cl. 74—346)



1. The combination with the shifters and selector of a selective change-speed transmission gearing, a housing for the shifters and the selector, the shifters being shift rods and the housing being formed with pressure chambers in which the ends of the rods work, pistons slidable in said chambers, and coacting with the rods to shift the same, a header common to the piston chambers at like ends of the rod, a selecting and shifting lever having a selecting movement to operate the selector and a shifting movement, a pump including a reversely-movable member operable to supply hydraulic liquid to the headers in accordance with the direction of movement of the movable pump member, and means operated by the lever during the shifting movement for operating the movable pump member in one direction or the other.

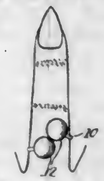
2,242,543
SWAB
Mabel R. Phipps, Waterloo Township, Blackhawk County, Iowa
Application May 25, 1940, Serial No. 337,159
1 Claim. (Cl. 15—147)

A swab device, comprising in combination, an elongated stem having a conical end, and elastic bowl having a conical neck fitting said stem end, the bowl also having an outwardly directed terminal rim, opposite flattened incurved arms extending forwardly and integrally from the terminal rim, one arm being of even width with a narrow oblong opening extending lengthwise in its terminal part, and the opposite arm being gradually



narrowed outwardly to a termination set off transversely outwardly angularly and having an arcuate end, whereby its offset widened termination may be torsionally bent rectangularly to traverse the oblong opening in the first arm and then rebent to its first position releasably locking to clamp releasably a medial flexible part of a swab device positioned in part in the bowl and in part by said arms.

2,242,544
FINGER RING
Howard W. Porter, Los Angeles, Calif.
Application June 20, 1940, Serial No. 341,519
3 Claims. (Cl. 63—16)



1. A self sizing finger ring, comprising an annular portion, said annular portion including a severed band of spring metal and spherical elements on the ends of the severed band, said spherical elements adapted for a pressure contact with each other.

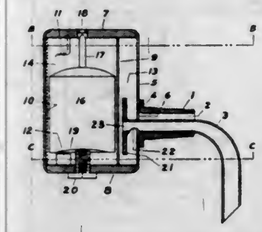
2,242,545
RUBBING MACHINE
Chalmers H. Randolph, St. Paul, Minn., assignor to Sundstrand Machine Tool Co., Rockford, Ill., a corporation of Illinois
Application March 27, 1940, Serial No. 326,230
18 Claims. (Cl. 51—189)



1. In a rubbing shoe of the character disclosed having a plate over which an abrasive sheet extends with a resilient pad interposed and with the ends of said sheet extending around the ends of the pad, a clamping device for the abrasive sheet secured to each end of the plate, each

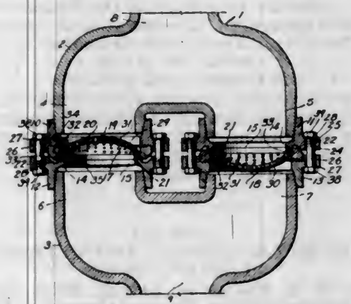
clamping device including a resilient jaw and a cooperating jaw, both jaws being composed of relatively hard material presenting opposed gripping surfaces of substantial area, and cam means operable for moving one jaw toward the other.

2,242,546
VALVE FOR VENTING AIR FROM RADIATORS
Fred I. Raymond, Glencoe, Ill.
Application November 21, 1938, Serial No. 241,547
12 Claims. (Cl. 137—122)



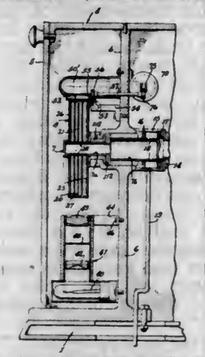
5. In a vent valve for use with steam or hot water heating systems or the like, the combination of a casing having means forming an inlet passage adapted for connection with a space to be vented, said casing having means forming a vent port therefor, a valve member for closing said port, float means operable by greater than a predetermined water level in said casing to move said valve member to closed position, and gas-pressure operated valve actuating means operatively associated with said valve member and responsive to greater than a predetermined gaseous pressure at said inlet passage to move said valve member toward closed position.

2,242,547
SAFETY PRESSURE DEVICE
Gwynne Raymond, Oklahoma City, Okla.
Original application June 17, 1935, Serial No. 27,134. Divided and this application March 2, 1938, Serial No. 193,458
3 Claims. (Cl. 220—89)



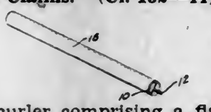
2. A safety device including diaphragm supporting means comprising a pair of fittings having spaced aligning branches, reversely arranged dome-shaped frangible diaphragms having rims between the branches of the respective fittings, and means connecting said fittings to maintain positive leak-proof seals about the peripheries of said diaphragms.

2,242,548
METHOD AND MEANS FOR REPRODUCTION OF SOUND
George P. Regan, North Hollywood, and Ferenz H. Fodor, Los Angeles, Calif., assignors to Regan-Day, Inc., Los Angeles, Calif., a corporation of California
Application September 28, 1938, Serial No. 232,138
14 Claims. (Cl. 179—100.3)



1. An apparatus for substantially continuous reproduction of a plurality of transversely spaced longitudinally extending sound records carried by strip film, comprising: a drum for supporting and moving film, means for rotating the drum in either direction and stopping the same, a reproducing pick-up associated with said drum, stationary light sources adapted to pass light through various transverse portions of the film while on said drum, movable light masking means for passing light through desired transverse portions of the film into operative relation with said pick-up, and means associated with the film carried upon said drum for actuating the light masking means to pass light through desired transverse portions only of the film.

2,242,549
HAIR CURLING DEVICE
Marion E. Rose, Chicago, Ill.
Application April 15, 1940, Serial No. 329,716
4 Claims. (Cl. 132—44)



4. A hair curler comprising a flat steel body member, a cylindrical body of flexible material encircling the same and fastening means on the ends of said spring body member for connecting the opposite ends together when they are curled about a strand of hair, said fastening means being formed integral with the spring body member and comprising frictionally interconnecting portions, one at each end of said body member.

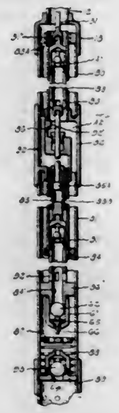
2,242,550
LOCK MECHANISM
Charles J. Schell, Cincinnati, Ohio
Application June 14, 1938, Serial No. 213,643
8 Claims. (Cl. 70—66)



1. In a fastening device of the class described

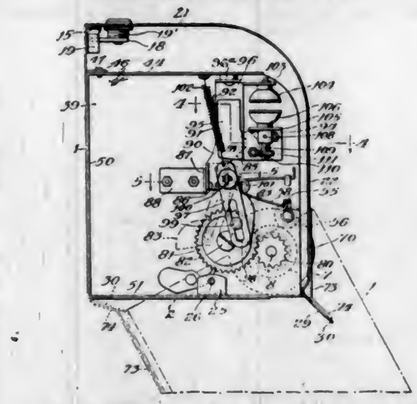
comprising keeper members and locking means for retaining said keeper members, said locking means comprising a casing having apertures for the reception of said keeper members, a pair of oppositely extending, longitudinally reciprocable bolts having inner and outer ends, the inner ends of which make sliding contact with the walls of said casing and which terminate in diagonally opposed fingers, the outer free ends of said bolts being shiftable transversely of the axis of longitudinal reciprocation, the outer ends of said bolts being turned back toward the center of said casing to provide hooks having free ends each of which furnishes a keeper engaging hook, bolt retaining means disposed intermediate the ends of said bolts, means comprising a plurality of springs for constantly urging said bolts to a locked position, a bolt actuating cam centrally disposed intermediate the diagonally disposed fingers for longitudinally reciprocating said bolts whereby said bolts engage said retaining means which retain said bolts in a tensioned retracted unlocked condition, said bolts adapted to be disengaged from said retaining means by pressure applied directly to said bolts by said keeper members, and means for operating said cam.

2,242,551
PUMPING APPARATUS
Otto Staerker, Gladewater, Tex.
Application January 17, 1938, Serial No. 185,295
15 Claims. (Cl. 103—1)



1. A pumping apparatus including, a well tubing, a conductor adapted to be connected in the well tubing string and having a pair of fluid passages therein, an upper working barrel having communication with one of the passages, a pump plunger operable from the surface of the well movable within said barrel for lifting the fluid from the passage communicating therewith, a lower working barrel communicating with the second passage, a lower pump plunger reciprocable within the lower working barrel for lifting the fluid in the second passage, and a slidable piston connected with the lower plunger for operating the same and having its upper end exposed to the fluid pressure in the first passage which communicates with the upper barrel and having its lower end exposed to the pressure of the well fluid in the well bore, whereby the piston and lower plunger are operated by the pressure differential across the piston.

2,242,552
STOP MECHANISM FOR DISPENSING CABINETS
Frank G. Steiner, Miami Beach, Fla., and Rudolph G. Birr, Lombard, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Original application May 24, 1939, Serial No. 275,450. Divided and this application March 4, 1940, Serial No. 322,116
17 Claims. (Cl. 271—2.3)



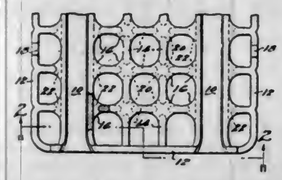
1. A dispensing cabinet having dispensing means, having a first stop, a support, a slide forming a stop with which the first stop engages to limit the amount of dispensing, said slide having one face in sliding contact with the support, a single element opposed to the opposite face of the slide as the sole means to prevent movement away from the support, means acting on opposite edges of the slide to slidably guide it, a pair of members adapted to be brought into contact when the slide is in stopping position, one of said members being carried by the slide and the other member being supported by the single element which prevents movement of the slide away from the support.

2,242,553
TREATMENT OF HYDROCARBONS
Charles L. Thomas and Herman S. Bloch, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application November 30, 1938, Serial No. 243,202
10 Claims. (Cl. 196—50)

4. A conversion process which comprises contacting hydrocarbon oil at cracking temperature with a calcined mixture of a major proportion of precipitated silica and minor proportions of precipitated alumina and thoria.

2,242,554
CAST METAL ARTICLE AND METHOD OF CASTING SAME
Arthur F. B. Thompson, Detroit, Mich., assignor to Michigan Steel Casting Company, Detroit, Mich., a corporation of Michigan
Application June 17, 1940, Serial No. 340,895
9 Claims. (Cl. 22—200)

1. In combination, a pair of cast metal bar members each having a dimension measured transversely thereof greater in one direction than in a direction transversely thereof and perpendicular to the first mentioned direction, said members being integral and intersecting one another, at least one of said members having an opening cast therein extending therethrough transversely to the line of intersection between said members and located intermediate the edges of said members at opposite ends of said line of intersection, said opening being of an extent longitudinally of the member through which it extends approximately no greater than the area of intersection of said members and being spaced from at least one of said edges by a distance substantially equal to the metal thickness of said members.



7. In the formation of an integral cast metal structure including a pair of intersecting bar members arranged in X-shaped relationship and of greater transverse dimension in one direction than in a direction perpendicular thereto, the method of eliminating cracks and cavities in said members along the line of intersection between them comprising the step of forming, during the casting operation, an opening therethrough intermediate the length of line of intersection between them and extending in a plane perpendicular to said line of intersection, the extent of said opening longitudinally of said members being confined to approximately the area of intersection between said members.

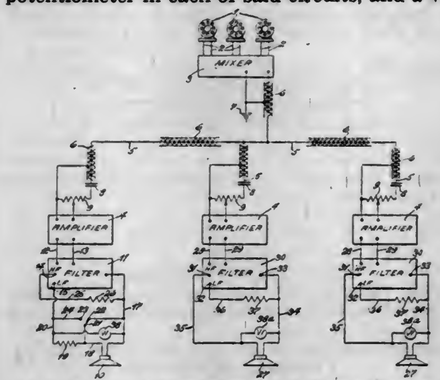
2,242,555
PROTECTOR
Ruby B. Thurnherr, Hollywood, Calif.
Application January 9, 1940, Serial No. 313,084
3 Claims. (Cl. 2—174)



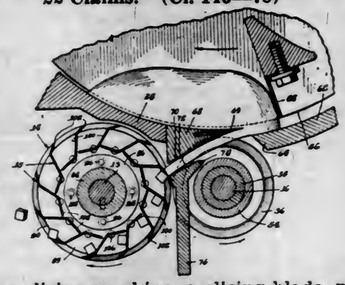
3. In a face and neck protector, a shield member comprising a paper strip folded to form flat pleats, a flexible member arranged along one edge portion of the shield member and extending beyond both ends of the shield member, stitching passing through the flexible member and through the pleats to hold said member on the protector and to hold the pleats along the one edge portion flat and to permit folding the one edge portion to engage the head of a wearer, the pleats along the other edge portion being free to open, said shield member having a portion adapted to be disposed adjacent to the neck of a wearer, and having a portion adapted to be disposed about the face of a wearer.

2,242,556
SOUND AMPLIFYING SYSTEM
Albert Le Roy Upton, St. Louis, Mo.
Application September 20, 1939, Serial No. 295,713
8 Claims. (Cl. 179—1)

1. A sound amplifying system comprising sound pick-up means, a voltage amplifier connected to said pick-up means, a plurality of power amplifiers, circuits connecting said power amplifiers to said voltage amplifier, a variable potentiometer in each of said circuits, and a visual indicator for registering voltage flowing to a loud speaker for the lower audio frequencies.



2,242,557
APPARATUS FOR CUTTING MATERIALS
William E. Urschel and Joe Richard Urschel, Valparaiso, Ind.
Application August 9, 1939, Serial No. 289,264
22 Claims. (Cl. 146—78)

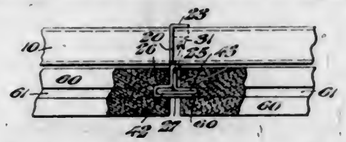


1. In a dicing machine, a slicing blade, means to direct substance to be sliced in a rotational path while under the influence of centrifugal force and for conveying said substance while under the influence of said force against said slicing blade, a gang of rotatable cutting blades arranged in planes substantially transverse to said slicing blade and being closely juxtaposed to the cutting edge of the slicing blade whereby sliced substance from the slicing blade will engage the said gang of blades while under the influence of said directing means to cause a continuous cutting action, and a set of dicing blades arranged in a plane transverse to said gang of blades, said dicing blades being operable in a path closely adjacent the gang of blades and intersecting the path of the substance discharging from said gang of blades whereby to dice strips of substance coming from said gang of blades, while supported thereby, said gang of cutting blades being configurated to grasp the sliced substance and convey it from the slicing blade while the substance is being fed to the blade by said directing means.

2,242,558
BUILDING INTERIOR CONSTRUCTION
Walter H. Venzie, Philadelphia, Pa.
Application July 2, 1938, Serial No. 217,201
5 Claims. (Cl. 72—118)

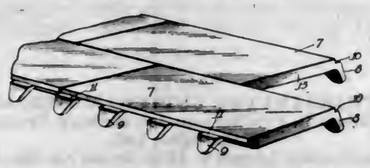
4. An interior building construction comprising

supporting means, clips engaging said supports, a runner carried by said clips, and surfacing units,



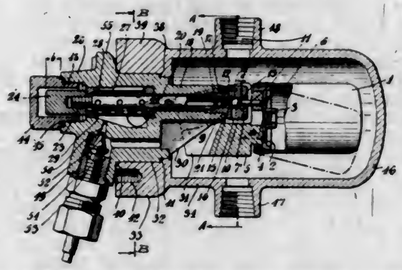
each of said clips engaging contiguous surfacing units and one of said runners.

2,242,559
CAST IRON PAVEMENT
Harry Vissering, Chicago, Ill., assignor to Interlake Iron Corporation, Chicago, Ill., a corporation of New York
Application August 12, 1939, Serial No. 289,717
7 Claims. (Cl. 94—13)



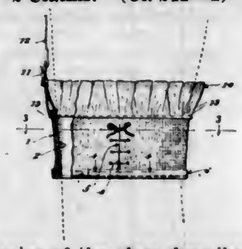
1. A pavement comprising a bed of cement material, and similarly shaped polygonal one-piece metallic plates arranged in edge to edge abutment on top of the bed and each embodying along certain of the margins thereof in the bed downwardly and outwardly extending legs arranged in laterally offset but interlocked relation with the legs on the adjacent margins of the adjoining plates and having shoulders adjacent the upper ends thereof and in alignment with the bottom face of the plate engaging and underlying said adjacent margins of the adjoining plates.

2,242,560
FLOAT VALVE
Johann H. H. Voss, White Plains, N. Y.
Application May 24, 1939, Serial No. 275,337
5 Claims. (Cl. 137—104)



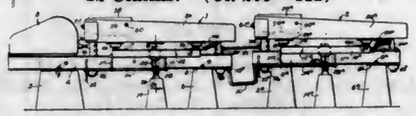
1. A float valve device for reducing oscillations of the float mechanism comprising a casing, an inlet for said casing having a valve seat, a valve for cooperation with said seat, a float for controlling said valve, a counterweight attached to said float, a port in said seat on the outlet side of said valve for directing the escaping fluid in the form of a jet against the counterweight in a direction tending to close the valve whereby the valve upon opening is brought to a standstill at a point in advance of the position it would assume were the jet action not available.

2,242,561
NEVER-SLIP CORSET HOLDER
Mae G. Walz, San Antonio, Tex.
Application December 20, 1939, Serial No. 310,227
2 Claims. (Cl. 241—1)



1. In a device of the class described, the combination of a comparatively wide elastic surrounding body provided at one edge with an inwardly extending slit, means for fastening or closing said slit together, a flounce band fastened at its inner edge to the upper edge of said surrounding body, a reinforcing band fastened to the lower portion of said body and having an end overlapping said slit, and said overlapping end and a portion of said band provided with registering fastening means.

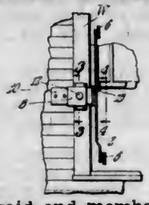
2,242,562
MATERIAL SEPARATING APPARATUS
Don A. Weber, Fort Wayne, Ind., assignor to The Deister Concentrator Company, Fort Wayne, Ind., a corporation of Indiana
Application December 6, 1937, Serial No. 178,268
12 Claims. (Cl. 209—441)



1. A material-treating apparatus of the class described comprising, in combination, a substantially horizontal longitudinal base frame, a subframe mounted on said base frame for lateral tilting adjustment on an axis extending longitudinally of said base frame, a material-treating deck reciprocable on said subframe along said axis, connections to said deck for applying reciprocating forces along a line substantially coincident with said axis to operate said deck, adjusting means operable to tilt said subframe on said axis, a second material-treating deck mounted in tandem relation to said first deck and having mounting means and adjusting means similar to those of said first deck and tiltable on substantially the same axis, resilient-tension applying means associated with said second deck arranged to resist said reciprocating forces, and tension-transmitting connections between said decks constructed and arranged to coordinate the application of said forces and the resistance of said resilient means to oscillate both said decks along said axis.

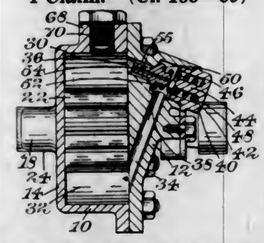
2,242,563
CLOTHESLINE APPARATUS
Clifford S. West, Adams, Mass.
Application March 20, 1939, Serial No. 262,919
1 Claim. (Cl. 211—119.05)

The combination with the window opening of a building and a distantly located clothesline pulley with apparatus adjacent said opening for co-operating with said pulley to support a clothesline comprising, a bracket secured to the building adjacent said opening having a horizontally disposed guideway, a slide member slidable in said guideway whereby its inner end may be moved to various positions in front of said opening, said slide member being provided with a plurality of spaced apertures, a spring pressed lock associated with said bracket engageable with any one of said apertures to releasably lock said slide in various positions of horizontal adjustment, an end member on the inner end of said slide member, a bar member pivoted intermediate its opposite ends to said



end member, said end member provided with a plurality of apertures and said bar member provided with a spring pressed lock member engageable with any one of said apertures whereby said bar may be releasably locked in vertical position or horizontal position with an end thereof extending into said window opening, grooved wheels on opposite ends of said bar for receiving a clothesline passing over said distantly located pulley, and one end of said bar being offset into a plane spaced from the plane of the opposite end to bring the grooves of said wheels out of alignment with one another.

2,242,564
SHOCK ABSORBER
Percy Wills, Bridgwater, England, assignor to W. & F. Wills, Limited, Bridgwater, England, a British company
Application April 18, 1940, Serial No. 330,343
In Great Britain May 16, 1939
1 Claim. (Cl. 188—89)

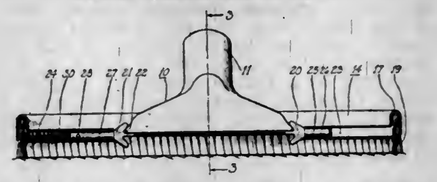


A shock absorber of the rotary type comprising a housing for containing a liquid or semi-liquid material, which housing comprises a casing and a detachable cover plate therefor, two shafts journalled each in the cover plate and in a wall of the casing opposite thereto, two intermeshing gear wheels constituting impellers that are mounted on said shafts and divide the interior of the casing into two compartments, a conduit that is formed in said cover plate and opens at one end into one of the compartments and has at its other end two branches which both open into the other compartment, a spring-loaded valve member arranged to control one of said branches, the other of which branches is a duct of restricted cross-section that extends through the valve member and forms a by-pass therefor, and an operating member mounted outside the casing on one of said shafts.

2,242,565
CHEMICALS FOR WATER REPELLENCE
Edgar Wolf, Krefeld, Germany, assignor to Heberlein Patent Corporation, New York, N. Y., a corporation of New York
No Drawing. Application March 12, 1938, Serial No. 195,600. In Germany March 15, 1937
11 Claims. (Cl. 260—237)

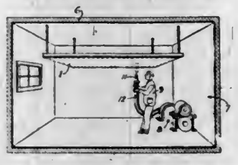
1. A process for the production of quaternary ammonium compounds, which comprises reacting hexamethylenetetramine in the presence of heat and an inert solvent, with a fatty acid chloride having an aliphatic radical of at least ten carbon atoms, the amount of such acid chloride used being in the neighborhood of three to four times the amount of hexamethylenetetramine by molar ratio, and treating the resulting conversion product with a tertiary base to convert such product to a quaternary ammonium compound.

2,242,566
SUCTION NOZZLE
Tord Erik Daniel Bilde, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application November 25, 1938, Serial No. 242,331
In Germany November 24, 1937
7 Claims. (Cl. 15—246)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. In a cleaning implement for use with a vacuum cleaner nozzle having an elongated intake opening bounded by lips, a rigid base portion having surface on both the top and bottom sides thereof adapted to contact said lips in substantially air-tight relationship, said base portion being formed with an opening alignable with said intake opening, means extending from the top of said base portion and forming therewith a nozzle of one type, means extending from the bottom of said base portion and forming therewith a nozzle of another type, and means for removably securing said base portion to the first mentioned nozzle with the surface on either of said sides of said base portion in contact with said lips.

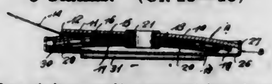
2,242,567
MANUFACTURE OF TRANSLUCENT SCREENS
Bernard M. Bodde, Hollywood, Calif.
Original application November 22, 1935, Serial No. 51,129. Divided and this application June 6, 1938, Serial No. 212,010
7 Claims. (Cl. 91—68)



1. The method of making a sheet of cellulose ester material which comprises spraying multiple coats of a solution of cellulose ester material

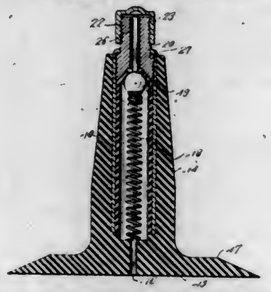
upon the under surface of a substantially horizontal matrix, allowing the sheet thus formed to dry and stripping said sheet from said matrix.

2,242,568
VULCANIZING UNIT
Adelbert E. Bronson, Shaker Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 21, 1940, Serial No. 325,213
5 Claims. (Cl. 18—18)



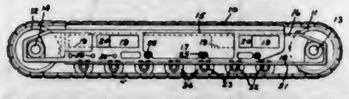
2. A vulcanizing unit comprising two separable members adapted in use to be nested one within the other, one of said members comprising a pair of spaced superposed metal disks, an electrical heating element arranged between said disks and insulated therefrom, terminal means extending outwardly of the outer side of one of said disks and insulated from the said one disk and electrically connected to one end of said element, a metal ring insulated from said disks and electrically connected to the other end of said element, the other of said members comprising a sheet metal cup provided on its outerside with a vulcanizing patch and having a side wall which in use contacts the said one disk, said other member being provided interiorly thereof with a spring contact arm, one end of which is permanently connected to the bottom of said other member and the other end of which is spaced therefrom by a fusible connection, said contact finger normally engaging said ring when said members are nested, wherefore said members can be nested in any relationship with respect to each other.

2,242,569
VALVE STEM
John C. Crowley, Cleveland Heights, Ohio, assignor to The Dill Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Original application August 7, 1936, Serial No. 94,765. Divided and this application March 21, 1940, Serial No. 325,215
1 Claim. (Cl. 152—429)



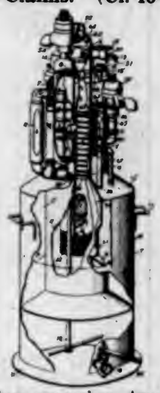
A rubber valve stem having integral base and stem portions, said stem portion being provided with an axially disposed bore, a rigid tubular reenforcing member secured in said bore and projecting slightly beyond the outer end thereof, the outer end of said member being interiorly threaded, a rubber lining separate from the material of said stem molded to the interior of said member and having the outer end thereof adjacent the internally threaded portion of the member and of inwardly extending conical formation, and a second reenforcing member screwed into the threaded end of the first named reenforcing member and provided with a conical recess interfitting the conical portion of the rubber lining whereby said second member acts to reenforce said conical portion of the rubber lining, said members having cooperating portions forming an interlock therebetween.

2,242,570
EXTENDIBLE TRACTOR FRAME
Carmie Roy Dafoe, Portland, Oreg.
Application June 15, 1940, Serial No. 340,751
4 Claims. (Cl. 305—9)



1. A tractor frame extension consisting of a pair of horizontal inverted channels telescopically arranged and outwardly flanged along the lower edges thereof, rollers disposed along the under side of said frame and attached thereto, track laying wheels disposed at opposite ends of said telescopic unit and having a track laying chain passing around said wheels and under the rollers secured to said telescopic member and means for adjusting the relative positions of opposite ends of said channel shaped members.

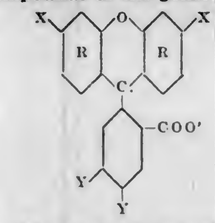
2,242,571
ACETYLENE GENERATOR
Maurice P. De Motte and Ralph C. Pierson, Indianapolis, Ind., assignors to The Prest-O-Lite Company, Inc., a corporation of New York
Application September 16, 1937, Serial No. 164,105
19 Claims. (Cl. 48—22)



2. In a water-recession type acetylene generator, a tank adapted to contain a body of water in its lower portion; a bell forming a gas generating chamber and having an open lower end disposed below the normal water level in said tank; a gas compression chamber above the normal water level in the space between said tank and said bell; a vertically movable carbide holder disposed within said bell adapted to expose carbide at its lower end to contact with water in said tank; means for limiting the upward movement of said holder to a position such that the lower end of said holder is above the normal water level in said tank; and means disposed between said carbide holder and the wall of said bell for resiliently urging said holder towards its upper limit position.

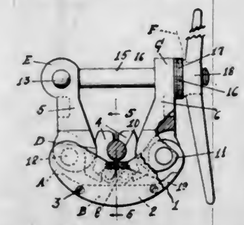
2,242,572
CHROMABLE DYESTUFFS OF THE TRIARYLMETHANE SERIES AND A PROCESS OF PREPARING THEM
Wilhelm Eckert and Karl Schilling, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 13, 1940, Serial No. 340,324. In Germany June 21, 1939
9 Claims. (Cl. 260—335)

1. The compounds of the general formula



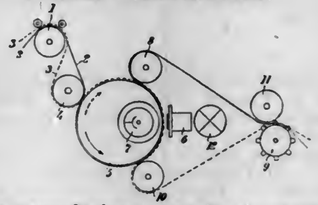
wherein the X's represent radicals of the group consisting of hydroxy groups and substituted amino groups, one Y stands for the sulfonic acid group and the other Y for the carboxylic acid group and wherein the nuclei R may contain further substituents.

2,242,573
POLISH ROD CLAMP
John W. Edwards, Wichita, Kans.
Application May 1, 1940, Serial No. 332,744
2 Claims. (Cl. 24—263)



1. In a polish rod clamp, a body portion substantially concavo-convex and comprised of a tongue and a flange extending from each side of the tongue and being aligned with the convex side of the body and integrally joined, and an extension intermediate of the ends of the tongue and being on the concavity side thereof, a pair of jaws, each of which has a pair of ears to straddle the extension, and each being pivotedly connected in close proximity and outwardly extending from the outer extremity of said extension, the free end of the jaws adapted to rock toward and from each other, the extending portion of the jaws each having a concavity to confront each other and adapted to engage a polish rod of an oil well pump, a pair of levers, one end of each being arcuate, the arcuate ends of the levers being pivotedly connected to the tongue and in working relation to the jaws and oppositely disposed thereto, the pivot connection of each lever being eccentric whereby a cam is formed to act upon its respective jaw member, the free end of one lever being bifurcated and the free end of the other lever having one end of a bolt rockably connected thereto, the free end of the bolt adapted to rock into and from the bifurcated end of the other lever, the bolt threadedly engaging a wing nut as clamping means for the levers toward each other which in turn will clamp the jaws together for the purpose specified.

2,242,574
PRODUCING APPARATUS FOR SOUND PICTURE FILMS
John Eggert, Leipzig, and Hans Friedrich Nissen, Dessau, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application May 19, 1937, Serial No. 143,492
In Germany May 23, 1936
3 Claims. (Cl. 179—100.3)



1. In a reproducing apparatus for sound-picture films, the one species having the sound track on the one side of the emulsion layer developed by a reversal method, the other species having the sound track on the other side of the emulsion layer produced by a copying method, a roller adapted to guide the two film species, a sound drum, a device for scanning the sound drum, a guiding means arranged before said sound drum and at such a distance from said scanning device that the synchronism between the sound reproduction and the pictorial reproduction remains satisfactory, said guiding means being adapted to guide one species of film about the sound drum in one direction and the other species of film about the sound drum in the opposite direction, two further rollers, one on each side of said sound drum and said scanning device, and a winding drum to which the two film species can be separately guided.

2,242,575
PENTAMETHYLENEOXIDE COMPOUNDS AND A PROCESS OF PREPARING THEM
Otto Eisleb, Hofheim in Taunus, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 14, 1939, Serial No. 261,775. In Germany March 16, 1938
4 Claims. (Cl. 260—333)

1. The process which comprises reacting a compound of the following general formula:

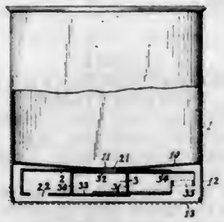
$$Hlg.CH_2CH_2O.CH_2CH_2Hlg$$

with an arylaceto-nitrile in the presence of an agent capable of splitting off hydrogen halide.

2,242,576
CONTAINER OUTLET
Jessie Muir Feilders, Montreal, Quebec, Canada
Application March 24, 1939, Serial No. 263,880
1 Claim. (Cl. 221—104)

A container having an outlet, a slideway casing mounted over the outlet having an opening corresponding to the outlet, a compartment sliding in the casing across the outlet, having an inlet and an outlet and an extension provided with a finger ring, the casing being cut away over the path of the finger ring, the compartment in one position opening its inlet to the

container outlet and sealing its outlet by the casing, and when sliding to the second position,



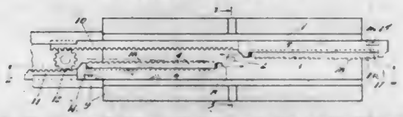
sealing the container outlet before opening its own outlet.

2,242,577
FLOOR SCRUBBING APPARATUS
Walter S. Finnell, Elkhart, Ind., assignor to Finnell Systems, Inc., Elkhart, Ind., a corporation of Indiana
Application June 3, 1938, Serial No. 211,633
2 Claims. (Cl. 15—180)



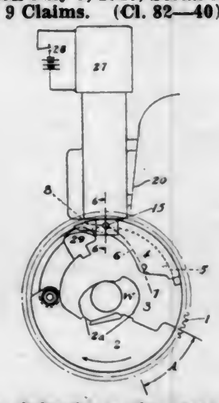
1. A floor scrubber comprising a disk shaped brush carrier adapted to be rotated, said carrier having an opening therethrough adjacent its axis of rotation through which water and cleaning compound may be introduced, an annular series of unit brushes yieldingly secured to said carrier closely adjacent the opening therethrough for mixing and spreading such water and cleaning compound, and a second annular series of unit brushes yieldingly secured to said carrier in outward radially spaced relation to said first mentioned series for receiving the mixed and spread water and cleaning compound when said carrier is rotated on the floor.

2,242,578
BROACHING MACHINE
Frederick S. Floeter, Saginaw, Mich., assignor to Wickes Bros., Saginaw, Mich., a corporation of Michigan
Application October 12, 1938, Serial No. 234,648
2 Claims. (Cl. 82—1)



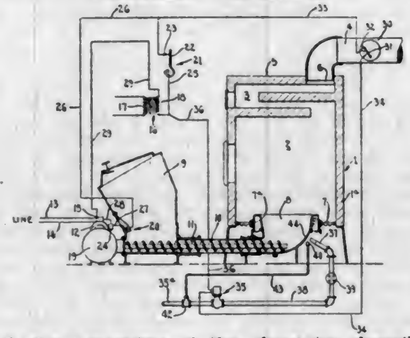
1. In a mechanism for turning a cylindric work piece by broaching, said work piece being mounted for rotation in axially fixed position; broaches arranged to cut shavings from the opposite sides of said work piece; carriers for said broaches; reciprocating means adapted to move said carriers and the broaches thereon lengthwise simultaneously and in opposite directions past said work piece while rotating about its fixed axis; and adjusting means operating between said carrier and an end portion of the broach thereon adapted to effect various lateral displacements of such end, to establish the rate of removal of metal from the work and to fix the diameter of the finished piece.

2,242,579
CHUCK
Frederick S. Floeter, Saginaw, Mich., assignor to Wickes Bros., Saginaw, Mich., a corporation of Michigan
Application July 1, 1940, Serial No. 343,367
9 Claims. (Cl. 82—40)



1. In a chuck having a ring gear and an apertured body presenting supports for a work piece, a cam mounted within the ring gear for arcuate sliding movements in either direction, said cam being provided internally with an eccentrically disposed face and with a recess having beveled end walls; a clamping jaw hinged for movement of its free end toward and away from a work piece on said supports; means urging the jaw constantly against said eccentric cam face; a keeper having beveled side faces for holding the cam motionless during partial revolution of the ring gear in either direction; means for moving the keeper into locking engagement in the recess and for disengaging the same; a spring normally urging the keeper away from the cam; and pressure adjusting means for said spring.

2,242,580
HEATING APPARATUS
Andrew K. Foulds, Grosse Pointe Park, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application December 17, 1937, Serial No. 180,357
14 Claims. (Cl. 110—1)

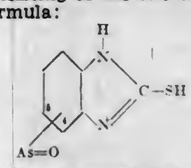


1. An apparatus of the character described.

comprising a heat transfer apparatus including means for generating heat, said generating means including a fuel receiver for holding the burning fuel, means for controlling said generating means to regulate the heat generated, means responsive to a temperature of said apparatus and which temperature is created by said generating means, fuel igniting means, means to render effective said igniting means, said responsive means being operatively connected to and for initiating the operation of said fuel igniting means upon a reduction in temperature thereof indicative of an extinguishing condition of the fuel and independently of said controlling means, and means to supply fuel during the operation of said igniting means.

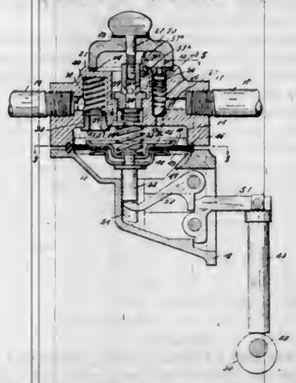
2,242,581
ARYL ARSINE OXIDES
Walter Herrmann and Friedrich Hampe, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application April 26, 1939, Serial No. 270,156. In Germany April 29, 1938
2 Claims. (Cl. 260—300)

1. A spirocheticidal and trypanosomicidal composition prepared for therapeutic use in a form of sufficient purity, comprising a compound of the class consisting of the two compounds of the following formula:



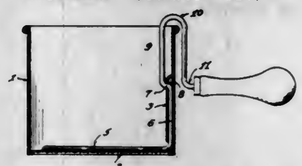
wherein the arsenic containing radical stands in a position of the group consisting of the 4- and 5-positions.

2,242,582
FUEL PUMP
Stephen Jencick, Chagrin Falls, Ohio, assignor of two-fifths to Leo L. Williams, Cleveland Heights, Ohio
Application September 29, 1938, Serial No. 232,363
4 Claims. (Cl. 103—150)



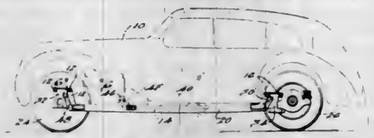
4. In a pump of the diaphragm type, a housing having therein a working chamber and inlet and discharge passages, a diaphragm forming a portion of the wall of said chamber, and means for flexing said diaphragm for causing a flow of fluid through said passages, said diaphragm being formed of a synthetic rubber capable of resisting the deteriorating action of liquid fuel and having between its center and outer margin a series of concentric annular corrugations, the diaphragm being also elastic and yieldable by stretching to abnormal pressure and being assembled with the housing so as to be in an initially stretched condition.

2,242,583
SIFTER
Henry G. Kuck, Peoria, Ill.
Application October 5, 1939, Serial No. 298,107
2 Claims. (Cl. 209—357)



1. In a sifter, the combination with a sifter body having a sifter bottom, and side walls upstanding above said bottom, of an upstanding channel portion parallel to and erecting at the inner surface of the side wall of the body and extending substantially to mid-height of the side wall and spaced at its lower end from said bottom, a wall of said channel portion being slightly and uniformly spaced from said side wall of the body and having an opening therein near the top of the channel portion, an agitator element having a portion traversing over and close to said bottom and also having an upstanding shaft, the lower portion of said shaft being enclosed by said channel portion and also having an angular bend thereon providing a small portion extending substantially horizontal, said bend coinciding with the location of said opening and extending through said opening with a small clearance therewith and into the space of the sifter body, an equal and reverse bend in said shaft beyond said horizontal portion and a shaft extension beyond said bend, said extension arising to and extending over the top edge of the sifter body and thence downwardly outside the same and terminating in a handle portion lying substantially opposite the position of the named opening of said channel portion.

2,242,584
AUTOMOTIVE VEHICLE
Joachim Kolbe, Detroit, Mich.
Application August 18, 1939, Serial No. 290,800
In Germany August 20, 1938
13 Claims. (Cl. 280—124)

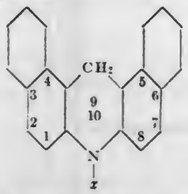


2. In a vehicle having front and rear wheel supporting means, a body including a frame structure having longitudinally and transversely extending members, angularly movable connecting means between the transversely extending frame members and the front and rear wheel supporting means whereby the superstructure may assume an inclined or banked position when subjected to lateral forces, and connecting means including the longitudinally extending frame

members operably connected to the front and rear angularly movable connecting means and operable by movement to a banked position to induce them to move angularly in unison.

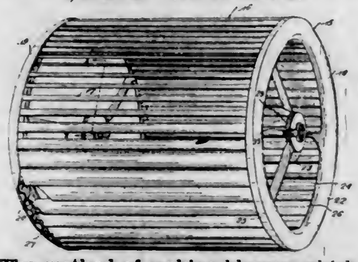
2,242,585
DIBENZO-ACRIDINES
Erich Lehmann, Priorau, Kreis Bitterfeld, Germany, assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 4, 1939, Serial No. 297,865. In Germany October 7, 1938
7 Claims. (Cl. 260—279)

5. The dihydro-acridines which correspond to the general formula



wherein x is a member of the group consisting of alkyl and hydroxyalkyl.

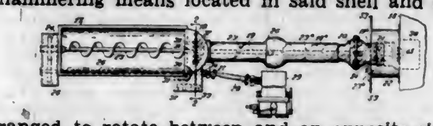
2,242,586
METHOD OF MAKING BLOWERS
Frank G. Marbach, Cleveland, Ohio, assignor to Morrison Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application February 23, 1939, Serial No. 258,009
3 Claims. (Cl. 29—156.8)



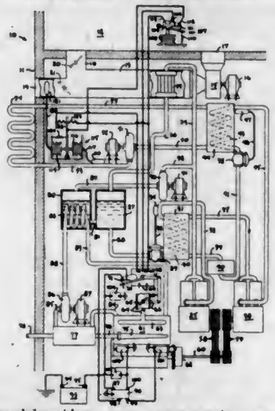
1. The method of making blowers which comprises partially severing a strip of sheet metal transversely at spaced points by punching longitudinal rows of openings adjacent its edges and slitting it from the openings of one row to the openings of the other row to thereby divide the strip into sections having stems connecting them with edge portions of the strip, shaping said sections into blades, gathering the metal of said edge portions at points substantially opposite to said openings and thereby reducing the spacing of the blades, deflecting the blades to an angular position by twisting of said stems, and forming the strip into an annulus.

2,242,587
STOKER
William O. Martin, Fort Smith, Ark.
Application April 20, 1939, Serial No. 268,949
5 Claims. (Cl. 83—52)

1. A stoker of the character described comprising a coal receiving trough; a longitudinally disposed conduit; a shell for connecting the conduit with the delivery end of the trough; a screw conveyor disposed lengthwisely through the trough, said shell and the conduit and the portion within said shell provided with an interrupted thread; vertically disposed bars arranged in laterally spaced relation in said shell; coal hammering means located in said shell and arranged to rotate between and on opposite sides of said bars; and means for rotating the screw conveyor and said coal hammering means.



2,242,588
HEATING SYSTEM
William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 7, 1938, Serial No. 189,028
21 Claims. (Cl. 237—2)



1. In combination, an evaporator, a compressor, a condenser, a circulating fluid for absorbing heat at the evaporator and liberating the heat at the condenser, a heat engine for operating the compressor, means for collecting the waste heat of the heat engine, means for applying the waste heat so collected to the liquid circulating fluid on the discharge side of the condenser to gasify at least a portion thereof, and means for supplying said gasified liquid to the condenser to increase the heating effect thereof.

21. A heating system for a building comprising, in combination, a condenser in heat exchange relation with the interior of the building for heating the building, an evaporator in heat exchange relationship with a heat supplying medium, means including variable capacity compressing means for causing flow of heat from said evaporator to said condenser, thermostatic means influenced by outside temperature for controlling the compressor capacity in a manner to lower the evaporator temperature maintained upon fall in outside temperature, and thermostatic means influenced by the demand for heat in the building for controlling the flow of refrigerant into said evaporator.

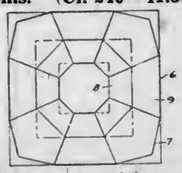
2,242,589
LIQUID LEVEL INDICATOR
Adolph F. Meyer, Minneapolis, Minn.
Application April 7, 1938, Serial No. 200,664
3 Claims. (Cl. 73—299)

1. In a liquid level indicator, a mechanism filled solid with liquid and constituted as a pressure-responsive element and a transmitter, said transmitter including a hollow member adapted

to be situated in a well below said pressure-responsive element, a tube connecting said hollow member and said pressure-responsive element with each other, an expansible and contractible flexible element secured to said hollow member adapted to be subjected to pressure of water in said well, and a tension spring within said hollow member supporting said expansible and contractible flexible element and substantially the weight of a column of said liquid in said hollow member and tube extending from said flexible element substantially to said pressure-responsive element, said tension spring having one of its ends secure with said hollow member and its other end secure with a part of said expansible and contractible flexible element capable of movement relatively to the hollow member.



2,242,590
LIGHT REFLECTOR
Marcel Eloi Moreau, New York, N. Y.
Application August 4, 1939, Serial No. 288,430
2 Claims. (Cl. 240—41.36)



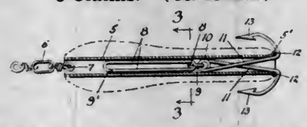
1. A light reflector comprising a plurality of radial sectors positioned about a light source with the periphery thereof substantially forming a square, cut off slightly at the corners, each sector comprising a plurality of independent flat surfaces, and characterized in that the angular position of each flat surface of each sector is positioned in relation to the light source, to reflect all rays of light therefrom upon an area, and all flat surfaces of all sectors reflect the rays of light upon the same area.

2,242,591
KNOB AND THE LIKE INSTALLATIONS AND FASTENER MEMBERS FOR THE SAME
Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Original application July 8, 1937, Serial No. 152,581, now Patent No. 2,128,730, dated August 30, 1938. Divided and this application February 18, 1938, Serial No. 191,234
1 Claim. (Cl. 287—53)

In combination with a shaft and an operating member on one end thereof, of a fastener for securing said member to said shaft, said fastener having a plate-like apertured portion surrounding and normally gripping the shaft as when biased with respect to a transverse plane through said shaft, and a split sleeve-like attaching portion surrounding one end of the shaft connected to and disposed at an obtuse angle to the shaft-gripping portion, and means tangentially of the bearing portion at one edge of the split sleeve extending into the material of the operating member for preventing relative rotation of said operating member and fastener.

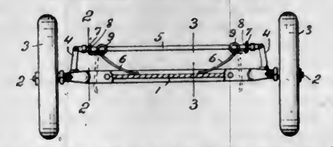


2,242,592
FISH LURE
Frank F. Noxon, Santa Monica, Calif.
Application February 13, 1940, Serial No. 318,687
5 Claims. (Cl. 43—36)



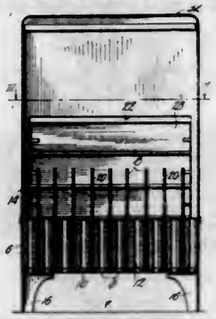
1. A fish lure including a body having therein a tubular chamber open at its outer end, means for attaching a line to its other end, a gang hook of spring wire having two straight arms joined at one end and normally and yieldingly spread to angles to each other and adapted to be sprung together to be inserted into the open end of said chamber, said arms being provided at their outer ends with rearwardly directed hooks positioned to rest alongside of the end of said body when said arms are within said chamber, and a movable attaching member within said tubular chamber and pivotally attached to the joined ends of said arms and provided with means for limiting its outward movement from said chamber as said gang hook is pulled from said tubular chamber.

2,242,593
STEERING STABILIZING DEVICE
Herbert V. Olson, Kansas City, Kans.
Application September 23, 1939, Serial No. 296,231
3 Claims. (Cl. 280—89)



1. In a device of the kind described, for use on a vehicle having a front axle, a spindle pivoted thereto and having a steering arm, and a steering connecting rod pivoted to said arm, a spring having a recessed portion for contacting against one side of said rod, a portion adapted for sliding frictional engagement with said axle, and a spiral portion intermediate of said two portions for contacting at its inner side against the opposite side of said rod, and for contacting at two diametrically opposite points of its coils against the top of said rod and at two diametrically opposite points of its coils against the bottom of said rod.

2,242,594
PORTABLE COOLER
John Maurice Petersen, Kansas City, Kans.
Application March 7, 1940, Serial No. 322,691
3 Claims. (Cl. 261—104)



1. A portable cooler of the character described comprising a reservoir for water having a plurality of vertical openings in the bottom thereof; a hood on the reservoir provided with an outlet port; a fan for forcing air outwardly in a horizontal path from the hood through said port; tubes of absorbent material in communication with the holes adapted to be wetted by water in the reservoir; and wicks extending upwardly into the hood from between the tubes in the reservoir, said fan being arranged to move air across the tops of said tubes to draw air upwardly into the hood through the tubes and across the wicks before forcing the same through the outlet port.

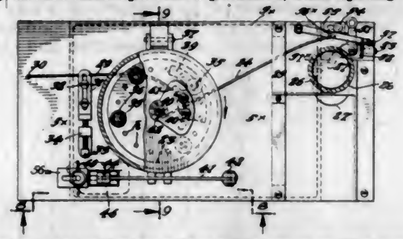
2,242,595
DETACHABLE BUTTON
S Theodore Pollak, Alameda, Calif.
Application July 19, 1939, Serial No. 285,304
2 Claims. (Cl. 24—110)



1. A detachable securing member for a button having a projecting attaching eyelet, said member comprising, a hollow washer slotted to receive said eyelet, and a spring wire secured at one end within said hollow washer and projecting at the other end from a marginal slot in said washer, said spring wire formed with a bolt tongue intermediate its ends arranged to engage through said eyelet when in position in said washer, said spring wire being biased to eyelet engaging position, and said marginal slot formed with a locking notch for the spring wire when the bolt tongue is in engaging position.

2,242,596
TARGET THROWING APPARATUS
Laurie F. Parker, Noroton, Conn., and Arnold Hanger, Richmond, Ky.
Application October 21, 1938, Serial No. 236,172
10 Claims. (Cl. 124—8)

1. A target throwing apparatus comprising positioning means, a striker spring, fulcrum means for one end of the spring, an abutment for the opposite end of the spring, means for deflecting the spring upon said abutment for imparting a tension to the spring, said means comprising a movable member, a spring-engaging device carried by said movable member, a spring normally holding the spring-engaging device in inoperative position, and a cam for moving the spring-engaging device into operative position, said spring-engaging device being adapted to engage the spring intermediate said abutment and the spring supporting means to effect said tension of the spring and to cause the spring under tensioned deflection to deflect past the abutment and strike the target.



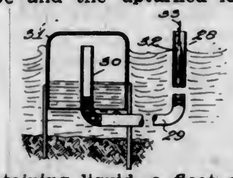
2,242,597
TREE LIGHTING SYSTEM
Alvin A. Quandee, Chicago, Ill.
Application February 9, 1939, Serial No. 255,552
2 Claims. (Cl. 240—10)



1. A tree lighting system comprising a pair of boxes placeable at spaced points along the tree, an electrical contact plate in each box, a series of receptacles for each box and affording access to the contact plate, companion leads of a current supply connecting with the contact plates by way of correspondingly-located receptacles, and strings of series-connected light bulbs bridging the contact plates by way of other correspondingly-located receptacles, the boxes being ring-shaped for facility to mount them on tree branches, the plates being similarly shaped, and the receptacles being in circular series to distribute access to the plates.

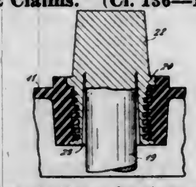
2,242,598
VARIABLE WATER-PRESSURE POWER PRODUCING APPARATUS
Michael S. Quinte, Burbank, Calif.
Application June 15, 1938, Serial No. 213,777
2 Claims. (Cl. 60—8)

1. In an apparatus for producing power from bodies of water having varying surface levels and pressures, an inverted cup-shaped member positioned in a body of water with its open lower end occupying a plane below that reached by the surface of the body of water when at its lowest level, a substantially upright tube having an upturned lower portion that extends into said inverted cup-shaped member, the upturned end of said tube being open, the lower portion of said upright tube and the upturned lower portion



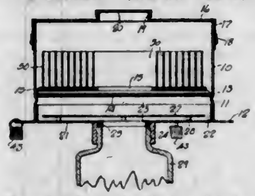
thereof containing liquid, a float arranged for vertical movement within said upright tube and resting on the liquid contained in the lower portion of said upright tube and means whereby the vertical movement of said float is converted into rotary motion and power.

2,242,599
STORAGE BATTERY
Robert M. Raney, Euclid, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application August 1, 1939, Serial No. 287,765
2 Claims. (Cl. 136—168)



1. A storage battery having a cell compartment, a cover therefor, and a battery element in the compartment with a post extending through the cover, the cover having a thickened portion and having a metal sealing sleeve molded and anchored in said thickened portion for the major portion of the length of the sleeve, the sleeve being provided with a post opening in the form of a truncated cone and the upper end of the sleeve being lead-burned to the post, the portion of the post extending between the part thereof which is lead-burned to the sleeve and the lower end of the sleeve being surrounded by and spaced from the inner tapered wall of the sleeve with a gradually increasing clearance extending to the lower end of the sleeve and entirely around the post.

2,242,600
APPARATUS FOR HANDLING AND DEVELOPING PHOTOGRAPHIC FILM
James A. Reyniers, South Bend, Ind.
Application June 27, 1938, Serial No. 216,042
1 Claim. (Cl. 95—90.5)

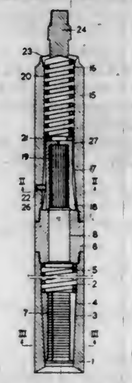


A film developing device adapted to be detachably attached to the outlet of a developing solution receptacle and to receive solution thereof when the device is inverted while attached to the receptacle, said comprising a casing, a removable closure for the upper end of the casing, a removable closure for the lower end of the casing, a flanged opening in said last named closure and adapted to be detachably connected on said receptacle over said outlet, a film holding rack within the casing, a light excluding plate smaller than the interior diameter of the casing carried by the lower closure in spaced relation thereto within the casing above the flanged opening and forming a solution passage adjacent the casing wall and a light excluding means for the flanged opening when the developing device is removed from the receptacle.

2,242,601
COATING COMPOSITION
Fredrick J. Wallace, Erie, Pa., assignor to Robeson Process Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 2, 1938, Serial No. 238,482
1 Claim. (Cl. 134—79)

A new and improved lignin coating composition, useful as a varnish and lacquer comprising 5.0 parts of recovered lignin and 5 parts of cellulose nitrate dissolved in a solvent mixture comprising 45.0 parts of amyl acetate, 20.0 parts of methyl alcohol and 25.0 parts of turpentine, said recovered lignin being obtained from black liquor by precipitating the lignin in such liquor with an acid substance and recovering the precipitated lignin.

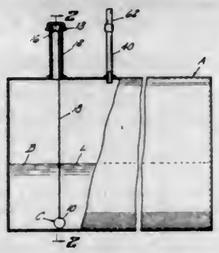
2,242,602
DOUBLE DUTY FISHING TOOL
Douglas William Watson, Iraan, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application September 29, 1939, Serial No. 297,091
3 Claims. (Cl. 294—102)



1. In a fishing tool adapted to be lowered into a well for retrieving a lost object therefrom, the combination of a hollowed retaining body having two tapered bowls, the upper of said tapered bowls tapering upwards and the lower tapering downwards, a set of slips carried in each of said bowls, said slips having outer faces slidably fitting in said bowls and inner curved faces forming an axial passage therethrough, the lower set of slips carried by said downwardly-converging tapered bowl having horizontal teeth on its inner face, resilient means for forcing said set of slips downward into engagement with said object, the upper set of slips carried by said downwardly-diverging tapered bowl having vertical teeth on its

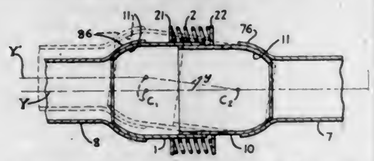
inner face and stopping means projecting from the upper portion of said inner face, resilient means tending to force said upper set of slips into a retracted position, and means adapted to prevent said upper set of slips from turning about the longitudinal axis, whereby a rotational motion can be imparted to the lost object by applying a downward and a rotational force to the fishing tool, and said object may be withdrawn from the well without disengaging said tool by applying an upward vertical force to the tool.

2,242,603
LIQUID LEVEL GAUGE
Arthur S. Weldy, Hartford, Conn.
Application June 3, 1939, Serial No. 277,271
6 Claims. (Cl. 73—305)



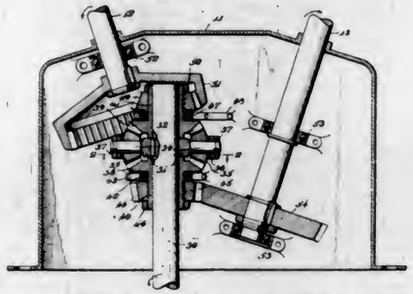
1. In combination with a tank for holding liquid, a liquid level gauge comprising a hollow cylindrical member having closed ends and a normal specific gravity less than the liquid contained within the tank, whereby said member will float on the surface of the liquid contained therein, said member being provided with relatively small openings whereby it will gradually fill and sink, and manually operable means for raising and lowering the member.

2,242,604
FLEXIBLE EXHAUST LINE JOINT
Edward C. Wells, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application February 16, 1940, Serial No. 319,287
4 Claims. (Cl. 285—92)



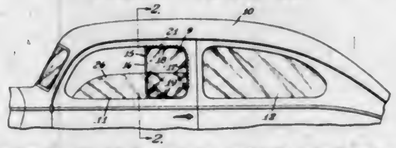
1. A pressure-tight flexible joint for transmission and conservation of a pressure fluid between axially separated pipe ends which are independently fixed against substantial relative movement in an axial direction, but which are mounted for substantial relative bodily transverse movement, said joint including two telescoping sleeves, each having its outer end belled, and the respective matching pipe ends being disposed axially outwardly of the sleeve ends, and being correspondingly belled to define a rockable tight joint, each sleeve being each interiorly formed with an excess of diametral inwardly facing area over diametral outwardly facing area, thereby providing means upon which the internal fluid pressure acts to urge the sleeve ends outwardly into the matching pipe ends.

2,242,605
DIFFERENTIAL GEARING
James E. Casner, Alpine, Tex.
Original application September 25, 1939, Serial No. 296,484. Divided and this application May 28, 1940, Serial No. 337,727
2 Claims. (Cl. 74—310)



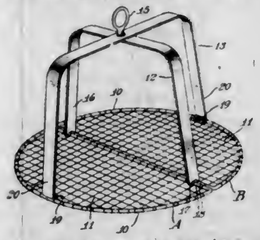
1. In an automotive vehicle including a transmission having a main shaft extending therefrom, a differential gearing associated with said main shaft and directly connected to a pair of angularly disposed shafts leading to the vehicle drive wheels, said differential comprising a spider wheel having radial arms and keyed to said main shaft, differential pinions carried by said radial arms of the spider wheel, means for retaining said pinions on said arms of the spider wheel, a differential side gear at each side of the spider wheel and meshed with said pinions of the spider wheel, sleeves associated with said side gears, bevel drive gears secured to said sleeves, and driven gears meshed with said bevel drive gears and fixed onto said angularly disposed shafts leading to the vehicle drive wheels, one of said driven gears being an internal gear, whereby said shafts are rotated in opposite directions in the operation of the differential.

2,242,606
DRAFT SHIELD
Morris T. Duncan, El Dorado, Kans.
Application November 13, 1939, Serial No. 304,223
1 Claim. (Cl. 296—44)



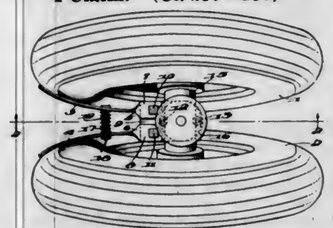
A draft shield for motor vehicle windows comprising, a frame, a glass pane in the frame, the frame being formed of channel members including an upper member, a lower member and front and rear members, a flange projecting from the upper member and extending downwardly on the rear member adapted to be received in the window pane receiving groove of the motor vehicle window frame, a flange projecting laterally from the lower member and projecting upwardly on the rear member adapted to be supported on the vehicle window sill and rear portion of the vehicle window frame, a shaft rotatably mounted in the lower channel member of the draft shield frame, a head on one end of the shaft adapted to engage the lower portion of the vehicle window sill inside of the vehicle window pane, and a curved grip on the other end of the shaft adapted to engage the inner surface of the sill of the window frame and co-act with the head in removably securing the draft shield in place so as not to interfere with the raising and lowering of the window pane.

2,242,607
VEGETABLE DICER
Florence L. Ehlke, North Muskegon, Mich.
Application December 19, 1939, Serial No. 310,066
5 Claims. (Cl. 146—129)



1. A device of the character described comprising a pair of matched open frames having crossed wires arranged therein, a bail common to both frames and hinging the same in matched relation to each other, and means associated with the bail for latching the frames in the same plane with each other at substantially right angles to the bail.

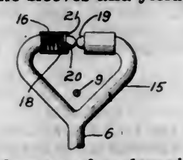
2,242,608
TIRE SCRAPING DEVICE
James R. Graves, Sadorus, Ill.
Application August 1, 1938, Serial No. 222,560
1 Claim. (Cl. 280—158)



A tire scraper adapted to clean the tires of laterally spaced dual wheels comprising a supporting member adapted to be mounted between the dual wheels, a pair of scraper arms pivotally mounted on the supporting member, said scraper arms being capable of transverse movement because of said pivotal mounting, said arms extending outwardly beyond the supporting member in spaced relation, a coiled compression spring supported by and between the arms at a point beyond the supporting member adapted to exert an equal pressure on both arms and hold them in operative relation with the respective tires, and means for adjusting the pressure of said spring.

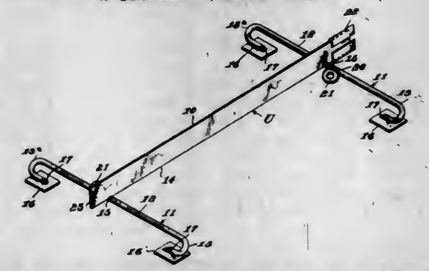
2,242,609
ADJUSTABLE CLOTHESLINE PROP
Samuel H. Hammar, Stambaugh, Mich.
Application November 3, 1939, Serial No. 302,756
2 Claims. (Cl. 248—353)

1. An adjustable clothes prop comprising vertically adjustable inner and outer members, inwardly extending fingers formed on the upper end of the inner member and provided with threaded portions, correspondingly threaded sleeves engaging said threaded portions, contact buttons fitting within the sleeves, coiled springs housed within the sleeves and yieldably engaging



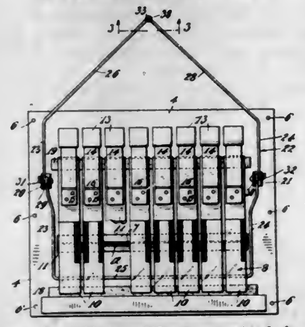
the buttons, and means for clamping said members in a selective position of vertical adjustment.

2,242,610
JOINT FOR ROAD CONSTRUCTION
Louis B. Johnson, Baltimore, Md.
Application August 4, 1939, Serial No. 288,420
2 Claims. (Cl. 94—17)



1. A joint for roadways comprising a flexible strip producing a joint in the roadway, means for supporting said strip, said means comprising independent spaced rods fixed to and extending transversely of said strip, each rod comprising a horizontal portion to which the strip is secured, said horizontal portion terminating in inwardly curved and downwardly extending ends, a horizontal plate secured to each inwardly curved portion forming an extension thereof to rest flatly on the sub-grade of the roadway, and means for holding the joint in fixed position on the sub-grade.

2,242,611
ANIMATED AMUSEMENT DEVICE
Julius Kunen, Brooklyn, N. Y.
Application December 23, 1939, Serial No. 310,727
9 Claims. (Cl. 46—118)



1. In combination with a musical instrument having a keyboard and also having an exterior housing: a standard projecting upwardly through the top of the housing; a dancing figure suspended from said standard and removed from said keyboard; and lever mechanism within said housing, said lever mechanism supporting said

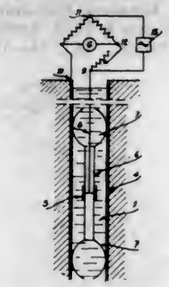
standard and having a portion extending in the path of movement of a plurality of the keys of said keyboard, whereby the dancing figure is automatically actuated when any key of said plurality is operated in playing the musical instrument.

2,242,612

METHOD FOR DETERMINING THE BEDS TRAVERSED BY DRILL HOLES

Eugene G. Leonardon, Houston, Tex., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware

Application May 25, 1937, Serial No. 144,735
15 Claims. (Cl. 73—51)



1. Process for the determination of the beds traversed by a drill hole comprising circulating in this drill hole, a liquid whose temperature is different from the natural temperature of the beds traversed by the drill hole, maintaining said circulation for a sufficient length of time to produce an appreciable change in the temperature of the more impervious of such beds and subsequently obtaining indications of the temperatures of the liquid at different depths in the drill hole.

7. Process for obtaining indications of the temperatures of a liquid filling a drill hole at different levels therein, when said liquid is of homogeneous composition, comprising obtaining indications of a parameter depending on the electrical resistivity of this liquid at different levels inside said drill hole.

2,242,613

TORQUE WRENCH

Siegmund Mandl, Milwaukee, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin

Application August 15, 1938, Serial No. 224,911
16 Claims. (Cl. 265—1)



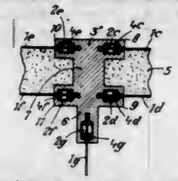
1. In a wrench, relatively yieldable work-engaging and handle members, a calibrated dial carried by one of said members, a pointer carried by the other member and being movable along said dial upon relative deflection of said members, said pointer being angularly adjustable relative to its carrying member, and manually manipulable worm gearing for effecting adjustment of said pointer and for positively locking the same in various positions of adjustment relative to its carrying member.

2,242,614

DEVICE FOR CONNECTING PARTS OF PORTABLE BUILDINGS

Erich Miesen, Berlin-Charlottenburg, Germany

Application August 1, 1938, Serial No. 222,466
In Germany March 21, 1936
2 Claims. (Cl. 20—92)



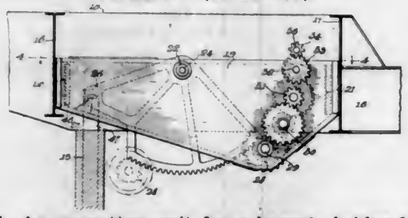
1. In a portable building, a joint comprising plates, a row of double-headed rivets provided at each side edge of said plates, and a connecting member interposed between adjacent plates and having a central rib and pairs of parallel flexible strips projecting beyond the sides of said central rib at both its ends, each strip of said central rib having a T-groove for the slidable reception of said double-headed rivets provided at each side edge of said plates.

2,242,615

BASCULE BRIDGE

Clarence H. Moore, Jacksonville, Fla.

Application November 7, 1939, Serial No. 303,326
9 Claims. (Cl. 14—38)



1. An operating unit for a bascule bridge leaf comprising a frame, a rack pivoted in said frame, reduction gearing journalled in said frame and arranged to connect said rack with a source of power, and means for anchoring said rack to a foundation, said frame being securable in operative relation to the leaf structure below the floor of the latter and with the pivoting axis of the rack coincidental with the pivoting axis of the leaf.

9. The combination with a bascule bridge leaf, of a rack in the form of a downwardly curved arc supported on the leaf with its center substantially coincident with the pivoting axis of the leaf, a train of reduction gearing supported by the leaf, said gearing including a terminal pinion engaged with said rack, a motor supported by the leaf in driving connection with the input end of said gearing; said rack, gearing and motor all being disposed beneath the leaf floor; and means disposed beneath the leaf floor anchoring said rack externally of the leaf.

2,242,616

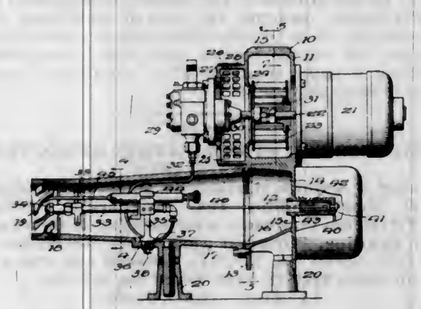
OIL BURNING APPARATUS

James L. O'Brien, Lakewood, Ohio, assignor to Cleveland Steel Products Corp., Cleveland, Ohio, a corporation of Ohio

Original application July 9, 1938, Serial No. 218,403. Divided and this application November 30, 1939, Serial No. 306,990
6 Claims. (Cl. 230—133)

1. In an oil burner of the pressure gun type, a

casing having spaced front and rear walls and a connecting wall enclosing the space between said walls, said connecting wall having side portions and curvilinear end portions connecting said end portions, one of said side portions being straight and the other of said side portions having curvilinear extensions of said end portions curving inwardly toward the other side portion and joined together intermediate said end portions to form a fan chamber and a plenum chamber, the juncture of said curvilinear extensions forming with said front and rear walls and said straight side portion an air passageway between said chambers, said fan chamber having an air inlet and said plenum chmber having an air discharge outlet through said front wall offset with respect to said passageway, at least the said end portion adjacent said plenum chamber inclining from said front wall inwardly toward said rear wall.

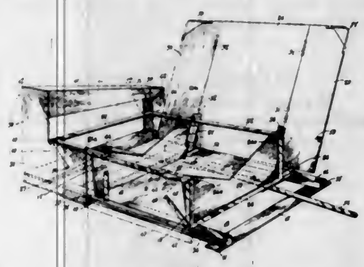


2,242,617

LATERALLY EXTENDING CHAIR OR SEAT

Christopher Loton Parry, Ramsey St. Mary, England

Application January 3, 1939, Serial No. 249,119
In Great Britain February 21, 1938
12 Claims. (Cl. 155—46)



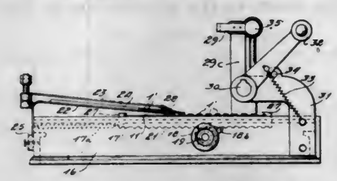
4. A chair extensible laterally to comprise in combination a seat, extension members pivoted on the side edges of the seat and normally hanging down, side arms movable laterally away from the seat, a back, extension members pivoted on the side edges of the back and normally folded against the rear face of the back, simple links connecting the seat extension members with the adjacent side arms, and links connecting the back extension members with the opposite side arms so that pivotal movement of the back extension members will cause extension of the side arms and incident extension of the seat extension members.

2,242,618

TRANSFER DEVICE FOR BOOKKEEPING SYSTEMS

Reinhold Randzio, Reichenbach in Eulengebirge, Germany

Original application July 13, 1937, Serial No. 153,440. Divided and this application June 22, 1939, Serial No. 280,669. In Germany July 14, 1936
3 Claims. (Cl. 216—12)



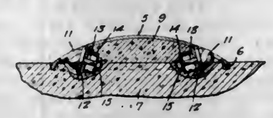
1. A device for transferring the entry strips of manifold sheets forming a bookkeeping system to account cards, comprising a base, a member supported on the base and having an inclined surface for supporting strips to be fed to a transferring station at the end of the surface, removable sorting and pressure bars for the entry strips carried by the base and extending along the inclined surface, a guide bar extending along the inclined surface for engagement by the left edges of successively fed strips, an adhesive softening stamp movable relative to the transfer station to effect the transfer, a slide for carrying an account card step by step under and past the transfer station where the entry strip is transferred to the card by the application of the stamp to the adhesive portion of the strip, and means to operate said stamp and slide.

2,242,619

TRAFFIC MARKER

Francis J. Richardson, New Orleans, La.

Application January 17, 1939, Serial No. 251,404
4 Claims. (Cl. 94—1.5)



1. A traffic marker comprising a dome-shaped shell having its peripheral edge located in a circular groove in a highway, a series of annular inwardly struck prongs formed circumferentially of said shell to provide openings therein, and a bonding material filling said shell and bonded to the highway, portions of said bonding material extruding over said prongs and through said openings to provide keys for anchoring the shell to the highway.

2,242,620

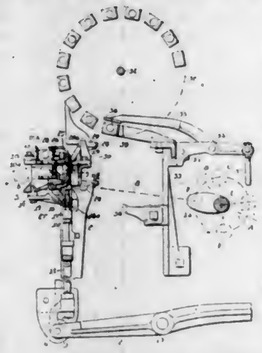
SHUTTLE CHANGE MECHANISM FOR POWER LOOMS

Kyugoro Sakamoto, Hamamatsu, Japan

Application February 25, 1938, Serial No. 192,663
In Japan March 11, 1937
3 Claims. (Cl. 139—239)

1. In a shuttle change mechanism for power looms, a shuttle box having upper and lower compartments, the upper compartment normally serving to receive the working shuttle and the lower compartment to receive the exhausted shut-

tle when a shuttle is changed, a shuttle box lifting means which lifts the shuttle box upwardly on the lay when the shuttle is to be changed, a rotary shuttle hopper provided at such a position that when the shuttle box is lifted and the lay is in the rearmost position, the top opening of the shuttle box is just beneath the place where a loaded shuttle is projected from the hopper, a cover normally closing the top opening of the upper compartment of the shuttle, a means to open the cover as the shuttle box is lifted and



the lay is in the rearmost position, means to project a loaded shuttle placed in the hopper into the shuttle box when the cover of the top opening of the box is opened, a front wall for the lower compartment and an arm for discharging a shuttle located in the lower compartment, and means to remove said front wall from the front side of the lower compartment and to have the arm pushed in the lower compartment when the shuttle box is lowered from its raised position, to expel the exhausted shuttle.

2,242,621

PROCESS FOR STABILIZATION OF COPPER TREATED OILS

Walter A. Schulze, Bartlesville, Okla., and Graham H. Short, Phillips, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Original application November 9, 1938, Serial No. 239,731. Divided and this application May 28, 1940, Serial No. 337,733

2 Claims. (Cl. 196—30)

1. In the process of sweetening hydrocarbon oil with copper reagents, the step of stabilizing the sweetened oil to prevent deterioration due to retained oil soluble copper salts which comprises adding a small quantity of a stabilizing agent comprising dithizone.

2,242,622

PROCESS FOR STABILIZATION OF COPPER TREATED OILS

Walter A. Schulze, Bartlesville, Okla., and Graham H. Short, Phillips, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Original application November 9, 1938, Serial No. 239,731. Divided and this application May 28, 1940, Serial No. 337,734

2 Claims. (Cl. 196—30)

1. In the process of sweetening hydrocarbon oil with copper reagents, the step of stabilizing the sweetened oil to prevent deterioration due to retained oil soluble copper salts which comprises adding a small quantity of a stabilizing agent comprising alpha-benzoinoxime.

2,242,623

PROCESS FOR STABILIZATION OF COPPER TREATED OILS

Walter A. Schulze, Bartlesville, Okla., and Graham H. Short, Phillips, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Original application November 9, 1938, Serial No. 239,731. Divided and this application May 28, 1940, Serial No. 337,735

2 Claims. (Cl. 196—30)

1. In the process of sweetening hydrocarbon oil with copper reagents, the step of stabilizing the sweetened oil to prevent deterioration due to retained oil soluble copper salts which comprises adding a small quantity of a stabilizing agent comprising thionalide.

2,242,624

PROCESS FOR STABILIZATION OF COPPER TREATED OILS

Walter A. Schulze, Bartlesville, Okla., and Graham H. Short, Phillips, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Original application November 9, 1938, Serial No. 239,731. Divided and this application May 28, 1940, Serial No. 337,736

2 Claims. (Cl. 196—30)

1. In the process of sweetening hydrocarbon oil with copper reagents, the step of stabilizing the sweetened oil to prevent deterioration due to retained oil soluble copper salts which comprises adding a small quantity of a stabilizing agent comprising 5.7-dibromohydroxyquinoline.

2,242,625

PROCESS FOR STABILIZATION OF COPPER TREATED OILS

Walter A. Schulze, Bartlesville, Okla., and Graham H. Short, Phillips, Tex., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Original application November 9, 1938, Serial No. 239,731. Divided and this application May 28, 1940, Serial No. 337,737

2 Claims. (Cl. 196—30)

1. In the process of sweetening hydrocarbon oil with copper reagents, the step of stabilizing the sweetened oil to prevent deterioration due to retained oil soluble copper salts which comprises adding a small quantity of a stabilizing agent comprising diethyldithiocarbonate.

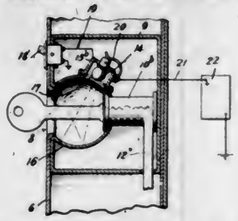
2,242,626

ILLUMINATED LOCK

Wayne N. Silker, Epworth, Iowa

Application June 6, 1938, Serial No. 212,143

3 Claims. (Cl. 240—2.13)



1. In a lock structure, a casing, a barrel disposed within and transversely of said casing, angular walls formed upon said barrel near one side of said casing, a lamp carried by one of said walls, the opposite wall having a reflecting surface adapted to reflect rays from said lamp at an angle within said barrel, key actuated mechanism in said barrel to be illuminated by said rays, and means including an electric circuit for igniting said lamp.

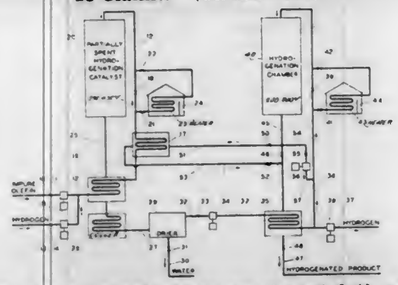
2,242,627

HYDROGENATION CATALYST AND PROCESS

Thomas G. Strickland, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application November 12, 1938, Serial No. 240,196

13 Claims. (Cl. 260—676)



10. An improved process for the catalytic nondestructive hydrogenation of unsaturated hydrocarbons, which comprises passing a material comprising unsaturated hydrocarbons associated with nonhydrocarbon organic impurities and free hydrogen over a body of deactivated catalyst, comprising reduced intimately associated oxides of nickel, copper and aluminum on a granular supporting material, at a reaction temperature and pressure in the hydrogenating range to remove said nonhydrocarbon impurities from said material with reaction of only a minor part of said unsaturated hydrocarbons, admixing with the effluent of said deactivated catalyst saturated hydrocarbons in an amount sufficient to result in a mixture containing saturated and unsaturated hydrocarbons in a ratio between about 1:1 and 10:1, subjecting the resultant hydrocarbon mixture in the presence of a substantial excess of free hydrogen to a body of relatively fresh catalyst comprising reduced intimately associated oxides of nickel, copper and aluminum on a granular supporting material at a reaction temperature and pressure adapted to effect substantially complete nondestructive hydrogenation of said unsaturated hydrocarbons, each said catalyst containing between 0.3 and 1.0 pound of catalyst per gallon of supporting material with between 5 and 25 per cent by weight of said metals as aluminum and between 10 and 50 per cent by weight of said metals as copper.

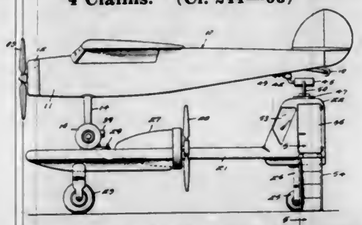
2,242,628

AIRPLANE LAUNCHING DEVICE

James C. Taylor, Jr., Charleston, S. C.

Application February 9, 1939, Serial No. 255,517

4 Claims. (Cl. 244—63)



1. A launching device for airplanes comprising, a power operated carriage adapted to support the airplane being launched, said carriage including a supporting wing-like member and a reduced body portion extending rearwardly therefrom, a pair of rotatable supporting standards mounted in spaced relation on said wing-like member, an oscillating socket carried by each standard and adapted to frictionally retain arms extending from the landing gear of an airplane to be launched, and socket means carried by said reduced body portion for frictionally retaining an arm extending from the tail of the airplane whereby said airplane will be released from said sockets upon shutting off the power of said carriage.

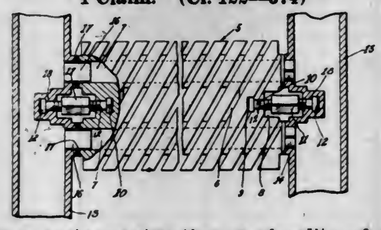
2,242,629

FURNACE GRATE

William P. Thoke, Vancouver, Wash., and Eugene J. Mann, Portland, Oreg.

Application August 9, 1940, Serial No. 352,022

1 Claim. (Cl. 122—374)



In a grate construction, a plurality of grate sections each including air slots and water passages extending from end to end thereof, water bypass members having ports arranged at the ends of the grate sections, split sleeves extending into the ports and water passages, gaskets supported by said sleeves and abutting the grate sections and the water bypass members, said water bypass members and grate sections having opposed notches, turn-buckle type fasteners including headed bolts received in the notches whereby the grate sections and water bypass members may be tightly drawn together.

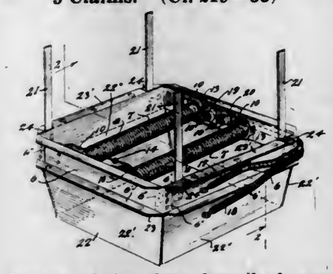
2,242,630

ELECTRIC HEATER

George Steingruber, Shelbyville, Tenn.

Application February 9, 1940, Serial No. 318,159

5 Claims. (Cl. 219—38)



1. A heater of the class described, comprising a frame, an electric heating element extending transversely across said frame, and quickly-attachable means carried by the frame comprising a plurality of bendable supports extending from the margin of the frame in spaced relation to each other adapted to be bent around the bars of a grill or grid.

2,242,631

PROCESS OF MANUFACTURING RELIEFS

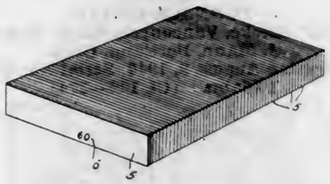
Abe Stillman, Chicago, Ill.

Application March 30, 1940, Serial No. 326,981

2 Claims. (Cl. 41—25)

1. The process of manufacturing reliefs, which

consists in placing a plurality of elongated rectangular slats of similar width in side by side contiguous relation to provide a relatively thick panel of a length equal to the greatest length of the object to be reproduced and of a width equal to the greatest width of the object to be reproduced, carving this panel by removing upper edge portions of said slats so as to reproduce the surface contours of the object on the upper surface of said panel and so as to reproduce the out-



line of the object, thereby providing a master model constituting a reproduction of the original object and composed of separable sections constituting the portions of the slats of the original panel which remain after carving, reproducing the sections of the master model by tracing them on and cutting the tracings from a sheet, assembling the reproductions of said sections to form a partially completed relief simulating the master model, and suitably finishing the surface of said partially completed relief.

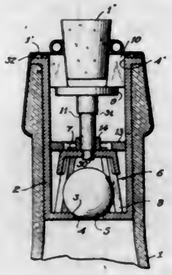
2,242,632

NONREFILLABLE BOTTLE

Norman S. Tice, Long Branch, N. J.

Substitute for abandoned application Serial No. 131,925, March 19, 1937. This application June 8, 1940, Serial No. 339,543

3 Claims. (Cl. 215—25)



1. A uniflow valve device for containers, comprising a casing insertible in the container, said casing having an opening at one end and a larger opening at the other, gravity-actuated means including an irregularly weighted ball for covering and uncovering the smaller opening, upwardly convergent guide-means surrounding said ball, means defining a plurality of axial passages around said other and larger opening in the casing, a member depending from said last-mentioned instrumentality, a disc member reciprocable on said depending member and engageable on the top of the guide member, said disc member having apertures therein adapted on occasion to permit passage of material out of the casing.

2,242,633

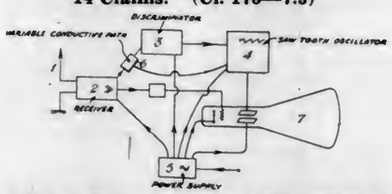
SYNCHRONIZING SYSTEM, PARTICULARLY FOR TELEVISION PURPOSES

Pierre Marie Gabriel Toulon, Paris, France, assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application November 25, 1936, Serial No. 112,637

In France November 27, 1935

14 Claims. (Cl. 178—7.3)



4. In a television receiver the combination of an antenna, an amplifier connected therewith, a discriminator fed from said amplifier and a relaxation oscillator controlled by said discriminator, with means controlled by said oscillator for periodically passing impulses from said amplifier to said discriminator only during time coincidence of oscillations of the said oscillator and impulses from said amplifier.

2,242,634

ELECTROLYTIC PRODUCTION OF LEAD CHROMATES

Elbert Franklin Weaver, Calumet City, Ill., assignor to International Smelting & Refining Company, a corporation of Montana

No Drawing. Application February 25, 1939, Serial No. 258,463

4 Claims. (Cl. 204—89)

1. In a method for producing lead chromates electrolytically involving passing an electric current from a soluble lead anode through an anolyte, a diaphragm, and a catholyte containing chromate ions to a cathode, the improvement which comprises employing as the anolyte an aqueous solution having dissolved therein between 2 and 8% by weight of an alkali metal nitrate and further employing a cathode current density of about 15 to 30 amperes per square foot.

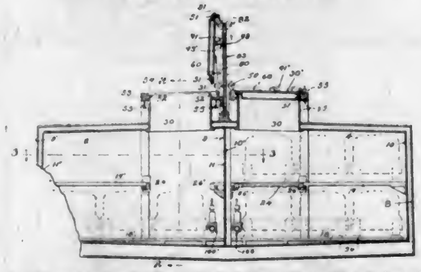
2,242,635

MARINE VESSEL

Henry Newton Whittelsey, Greenwich, Conn.

Application December 22, 1937, Serial No. 181,216

2 Claims. (Cl. 114—72)



1. A vessel of the character described having a central bulkhead and a plurality of transverse bulkheads forming tanks adapted for the storage of oil along each side of the vessel, each of said tanks extending from the center bulkhead of the vessel outwardly to the sides thereof, a hatch in the top of each tank of substantially lesser width

than that of the tank and located along the side of the tank adjacent the center bulkhead, cover means for sealing the hatch, upper and lower tracks running laterally of the vessel within said tanks for supporting motor vehicles thereon, the portion of the said upper track below the said hatch being removable whereby the vehicles may be positioned on the lower tracks through the said hatch.

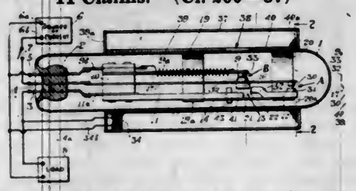
2,242,636

ELECTRIC SWITCH

Herbert O. Wilson, Livingston, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application October 30, 1936, Serial No. 108,420

11 Claims. (Cl. 200—87)



1. A magnetic switch system having two pole members arranged with a gap therebetween for serial magnetic excitation; and a switch-influencing armature supported near said gap for movement transverse of the gap field toward one said member, and co-extensive normally to said movement with portions of said gap and of said one member only.

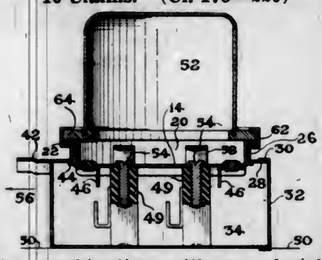
2,242,637

ELECTRIC METER TROUGH COVER AND SOCKET RING THEREFOR

Arthur A. Young, Manchester, N. H., assignor to Anchor Manufacturing Co., Boston, Mass., a corporation of Massachusetts

Application September 7, 1939, Serial No. 293,742

10 Claims. (Cl. 175—220)



1. The combination with an electric meter trough of a cover having an opening therein for accommodating an electric meter, and an integral drawn collar surrounding said opening, said cover and said collar being formed of ferrous sheet metal, and a drawn socket ring fitting within said opening and formed of a non-ferrous non-rusting and non-corroding metal of relatively high electric conductivity.

2,242,638

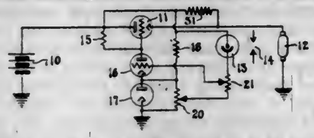
LIGHT CONTROL MEANS

James R. Balsley, Stamford, Conn., assignor, by direct and mesne assignments, to James R. Balsley, Incorporated, Stamford, Conn., a corporation of Connecticut

Application July 10, 1940, Serial No. 344,706

15 Claims. (Cl. 250—41.5)

1. The method of controlling light intensity, which comprises energizing a light source through an electron discharge tube, causing a portion of the light from said light source to fall



upon a photo-electric cell, and causing all components of the output of said photo-electric cell to control the plate current of said tube.

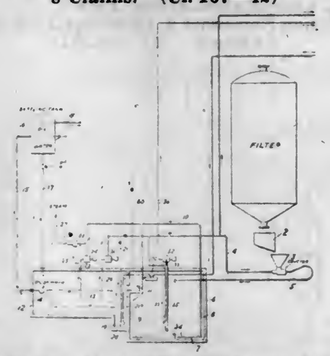
2,242,639

METHOD OF TREATING CLAY

Paul D. Barton, Chester County, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Application March 29, 1938, Serial No. 198,794

8 Claims. (Cl. 167—42)

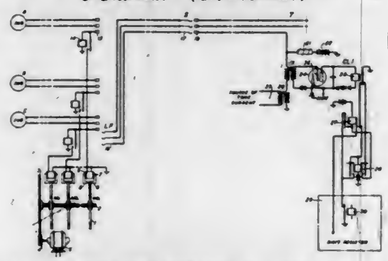


5. The method of treating clay containing adsorbed oil to remove oil therefrom and adapt the clay for various uses which comprises mixing said oil bearing clay with water, introducing said mixture of clay and water into a leaching zone and therein passing additional quantities of water through said clay to agitate the same and leach oil therefrom until said clay contains a predetermined quantity of oil, continuously removing water containing leached out oil and clay fines from said leaching zone and introducing the same into a settling zone and therein permitting said clay fines to settle out and said oil to separate out, removing said settled clay fines containing a predetermined quantity of oil from said settling zone, dewatering the thus removed clay fines and drying the same by passing a heated gas thereover at a temperature to dry the same without vaporizing or carbonizing the oil, skimming oil from said settling zone and introducing it into a separating zone and therein separating said oil from any water remaining therein, removing said clay from said leaching zone, dewatering the thus removed clay and then drying the same to render said clay fit for use.

6. A method of making inert carrier for insecticides and the like which comprises mixing an amount of oil greater than that desired in the final product with a clay-like substance, mixing the thus formed mixture of clay and oil with water and introducing the same into a leaching zone therein, passing additional quantities of water through the clay to thereby leach out excess oil from the clay and leave therein a predetermined percentage of oil, continuously removing water containing leached out oil and suspended clay fines from said leaching zone and

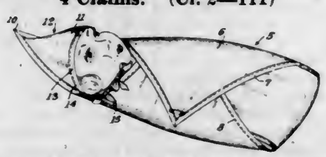
introducing the same into a settling zone, therein permitting said clay fines to settle out and permitting oil to separate out, removing said clay fines from said settling zone and reintroducing them to said leaching zone, skimming oil from said settling zone and introducing it into a separating zone and therein separating said oil from any water remaining therein, removing said clay containing a pre-determined percentage of oil from said leaching zone, dewatering the thus removed clay and subjecting said dewatered clay to a drying operation at an elevated temperature while controlling the temperature to prevent distillation and carbonization of the oil during vaporization of the contained water.

2,242,640
TELEPHONE SYSTEM
Brian C. Bellows, Maplewood, N. J., and Lloyd L. Eagon, Great Neck, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 2, 1939, Serial No. 302,540
6 Claims. (Cl. 179—27)



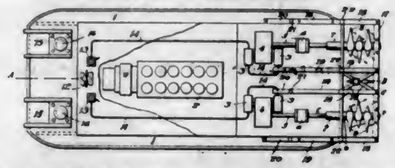
1. In a signaling system, a line circuit, an impulse responsive device comprising a detector tube having its input circuit associated with one end of said line circuit and having an impulse responsive relay in its output circuit, means for applying a high frequency current to said line circuit and an impulse transmitting means associated with the other end of said line circuit comprising a yoke of magnetic material, a field coil on said yoke connected in series with said line circuit and a notched disc of magnetic material rotatable between the poles of said yoke whereby the rotation of said disc transmits modulating impulses over said line circuit to cause the operation of said responsive relay in synchronism with said impulses.

2,242,641
COMBINED SHAWL AND HOOD
Julius Berger, Irvington, N. J.
Application March 8, 1940, Serial No. 322,889
4 Claims. (Cl. 2—111)



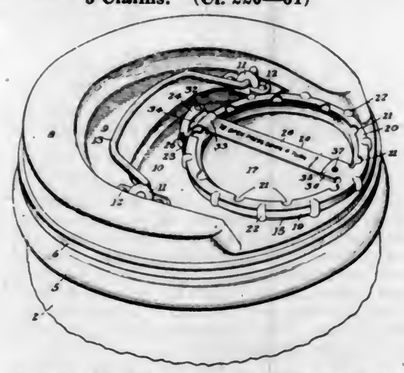
1. A combined hood and shawl comprising a main body portion adapted to be wrapped about the body of an infant and an auxiliary portion superimposed upon a limited area of said main body portion and adapted to cooperate therewith to present a hood for the head of an infant, all of the edges of said auxiliary portion except one coinciding with and being affixed to the adjacent edges of said main body portion, the free edge of said auxiliary portion permitting insertion of the infant's head intermediate said auxiliary portion and the area of said main body portion over which said auxiliary portion is superimposed.

2,242,642
SHOAL DRAFT VESSEL PROPULSION
John Lawrence Bogert, Brooklyn, N. Y.
Application November 5, 1938, Serial No. 239,160
1 Claim. (Cl. 115—37)



A propelling and steering device for a vessel comprising a frame, a rudder means, parallel propeller shafts, and motive means to drive said shafts; said frame secured to and extending in overhanging relationship from the stern of the vessel, means on said frame for supporting said shafts above the water line of the vessel, one at each side of the longitudinal center line of the vessel, propellers on said shafts, means at the outer end of the frame for mounting said rudder on said frame for turning movement between said propellers, and control means associated with said motive means and said rudder for regulating the speed and direction of movement of said propellers, and for controlling the turning movement of the rudder.

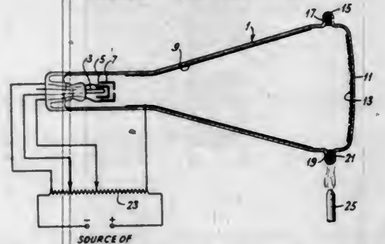
2,242,643
RETAINING DEVICE
Guy O. Conner, Wheeling, W. Va., assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Original application December 6, 1935, Serial No. 53,219. Divided and this application November 20, 1936, Serial No. 111,896
3 Claims. (Cl. 220—61)



1. A retaining device comprising expansible and contractible retaining means having portions movable toward and away from each other upon operation of the device, and operating means for moving such portions toward or away from each other to contract or expand the retaining means, said operating means comprising a hollow link pivotally connected with one of said portions and a bell-crank lever pivotally connected with another of said portions and with said hollow link,

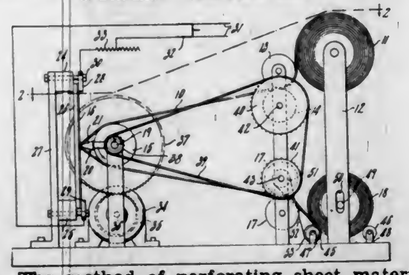
a portion of the bell-crank lever lying within the hollow link when the retaining means are in operative position.

2,242,644
LUMINESCENT SCREEN
Jan Hendrik de Boer, Eindhoven, Netherlands, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application June 7, 1938, Serial No. 212,247
In Germany June 7, 1937
9 Claims. (Cl. 250—27.5)



9. A secondary electron emissive luminescent target adapted to be activated by an electron beam comprising a support member, a layer of luminescent material deposited upon the support member, and a layer of caesium adsorbed upon the said luminescent material, said caesium having the surface thereof remote from the luminescent material oxidized and adapted to release secondary electrons under electron beam impact.

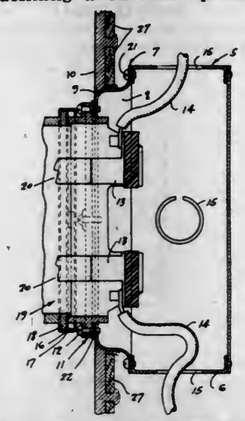
2,242,645
METHOD AND APPARATUS FOR PERFORATING SHEET MATERIALS
Raymond B. Frost, Rutherford, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application June 8, 1939, Serial No. 278,010
5 Claims. (Cl. 164—125)



1. The method of perforating sheet material comprising the steps of advancing the sheet material relatively in respect to a plurality of heated elements, and at spaced points along the sheet forming contacts between the sheet and the heated elements and producing a sliding movement along the surface of said sheet between said elements and said sheet with sufficient pressure to cause holes to be burned in said sheet.

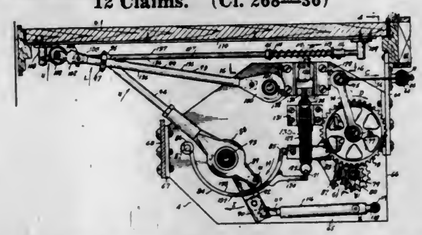
2,242,646
ELECTRIC METER SOCKET SUPPORT
Peter Ficker, Pomona, Calif.
Application August 12, 1938, Serial No. 224,538
6 Claims. (Cl. 175—225)

1. A meter trough for supporting an electric meter socket on a building wall, comprising a sheet metal box having a removable front cover and adapted for mounting within the wall to form a recess for accommodation of meter connections, an outwardly drawn, annular flange on said cover defining a circular opening through



which a portion of the meter socket is adapted to pass, means for supporting said box on the wall so that the outer face of the flange is substantially flush with the exterior surface of said wall, the outer surface of said flange extending radially inward, and means on said flange for rigidly securing the socket thereto in supported relation.

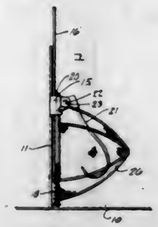
2,242,647
DOOR OPENING MECHANISM
Robert Haslam, Philadelphia, Pa.
Application November 8, 1938, Serial No. 239,525
12 Claims. (Cl. 268—36)



1. A door opening device consisting of a base member; a tread-plate pivotally mounted in said base member; a door actuating portion positioned for operative contact with the door which is to be opened by said door opening device, said door actuating portion comprising a bar carried by said door, sliding means mounted for movement upon said bar, an arm pivoted near one of its ends and attached to said sliding means near the other of its ends, sliding means mounted for movement upon said arm, a second arm pivoted intermediate its ends and attached to said arm carried sliding means near one of its ends, a pair of spaced apart cam contacting members carried by said second arm, a cam band pivoted near one of its ends and positioned for contacting one of said cam contacting surfaces and exerting a force upon said bar mounted sliding means in the direction necessary to open said door when a person steps upon said tread-plate, and for contacting the other of said cam contacting surfaces and exerting a force upon said bar mounted sliding means in the direction necessary to

close said door when said person steps off said tread-plate; and means operatively connecting said cam band with said tread-plate.

2,242,648
ANIMAL TRAP
Joseph La Rocca, Cleveland, Ohio
Application September 3, 1940, Serial No. 355,115
3 Claims. (Cl. 43—85)



1. An animal trap comprising a base and an upstanding plate with an aperture therein and a guide above the aperture, a spring actuated lever pivoted to the plate and movable up and down through the guide, ears on the guide having a pivot pin, a pivoted catch and bait holder pivoted to the guide, said catch engaging the pivoted plate to hold the same in set position, the lever moving to trapping position when said catch is released.

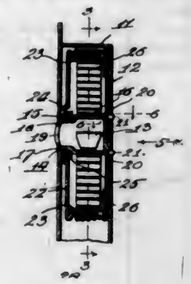
2,242,649
THERMOSTATIC REGULATOR
Frederick C. Leonard, Cranston, R. I.
Application May 14, 1931, Serial No. 537,285
Renewed June 4, 1936
9 Claims. (Cl. 236—12)



1. In a thermostatic regulator, a back member having a mixing chamber, inlets for conveying a hot and a cold fluid to said mixing chamber, valve mechanism in said mixing chamber controlling said inlets and directing the flow of fluid from said inlets in axially aligned opposed directions, and an outlet for mixed fluid; in combination with a front member having a thermostatic chamber, a thermostat therein, and a control device secured to said thermostat and operatively associated with said valve mechanism; said members being secured together to place said thermostatic member in communication with said mixing chamber and said outlet.

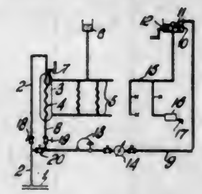
2,242,650
SPRING SASH BALANCE
Aloysius F. Mantz, Los Angeles, Calif., assignor to Duplex Incorporated, Los Angeles, Calif., a corporation of California
Application June 19, 1939, Serial No. 279,782
4 Claims. (Cl. 16—198)

1. In a spring sash balance, a housing having front and rear walls at least one of which is characterized by a spring-like flexibility, a spindle bearing in one of the said walls and radially arranged slots in the other, the bearing and arrangement of the slots having a common axis, a spindle formed with a thrust member at one end and ratchet teeth at the other, the spindle being mounted with the ratchet teeth engaging the slots and the other end in the bearing, a drum



mounted for rotation about the spindle, a spiral spring within the drum having one end connected to the spindle and the other end to the drum, means carried on the periphery of said drum for attachment to a sash, and means for applying a tool to turn the spindle for tensioning the spring, the thrust member being adapted to exert an outward pressure on the walls to flex at least one of the same as the ratchet teeth pass through successive slots in their path of rotation.

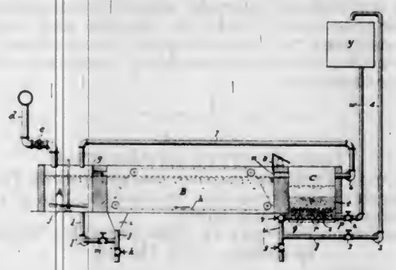
2,242,651
DISTRICT HEATING PLANT
Abraham Elia Margolis, London, England
Application July 8, 1939, Serial No. 283,361
In Great Britain July 11, 1938
8 Claims. (Cl. 237—19)



1. A system for supplying hot water for heating systems and for domestic use throughout a district embodying therein a hot water main from a source, a calorifier, a domestic hot water distributing system, a branch pipe from said main through said calorifier and connected with said distributing system, a hot water heating system, and means supplying water from said calorifier and independently of said branch pipe for circulation in said heating system, whereby there is a transfer of heat from the water flowing through said branch pipe to the circulating water in said heating system, and water for domestic use is brought to a temperature lower than the temperature of the water in said main.

8. A system for supplying hot water for heating systems and for domestic use throughout a district embodying therein a hot water main from a source, a plurality of hot water heating systems each having associated therewith a calorifier, a domestic hot water distributing system, a branch pipe from said main passing through said calorifiers successively and connected with said distributing system, means supplying water from said calorifiers respectively and independently of said branch pipe, for circulation in the hot water heating system associated with that calorifier, an additional calorifier, pipe connections between same and said branch pipe upon opposite sides of the calorifier in one of said hot water heating systems, a valve in said branch pipe leading to said distributing system, and a valve controlled bypass from said branch pipe to said last named calorifier, whereby hot water may be supplied said distributing system directly from said branch pipe or from said branch pipe through said last named calorifier.

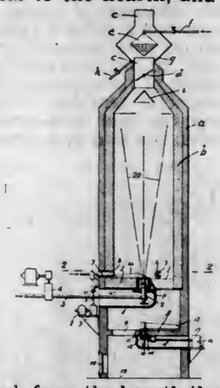
2,242,652
METHOD AND APPARATUS FOR TREATING SEWAGE
Frank R. Maxwell, Rose Valley, Pa., assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa., a corporation of Pennsylvania
Application April 6, 1938, Serial No. 200,283
3 Claims. (Cl. 210—5)



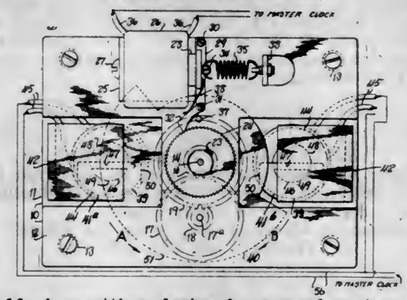
1. The method for treating sewage which consists in flowing raw sewage comprising liquid and solid matter continuously through a zone of agitation, agitating the sewage in the zone of agitation, the flow of the sewage through the agitation zone being at a rate such that relatively nonsettleable solid matter will be agglomerated with readily settleable solid matter while avoiding aeration of the sewage to an extent to activate the solid matter, flowing the sewage from the zone of agitation through a settling zone at a rate such as to permit settling out of agglomerated solid matter, flowing the supernatant liquid through a bed of fine filtering material, periodically stopping the flow of supernatant liquid through the bed of filtering material and returning therethrough a portion of the filtrate therefrom to wash back the bed of filtering material and returning washed back solid material and returned filtrate to the agitation zone for agitation therein.

2,242,653
INCINERATOR
Frank R. Maxwell, Rose Valley, Pa., assignor to Sun Shipbuilding & Dry Dock Company, Chester, Pa., a corporation of Pennsylvania
Application August 5, 1938, Serial No. 223,182
10 Claims. (Cl. 110—7)

1. An incinerator comprising a vertically extending shell, a hearth having an opening therethrough positioned in the lower part of the shell, burners within the shell adjacent to the hearth, means for injecting material to be incinerated into the shell in the form of a spray in a direction vertical to the hearth, and means for discharging ash from the hearth through said opening therethrough.



2,242,654
IMPULSE TIMEPIECE
Weyman E. Maxwell, Springfield, Mass., assignor to The Standard Electric Time Company, Springfield, Mass., a corporation of Massachusetts
Application April 13, 1939, Serial No. 267,633
10 Claims. (Cl. 58—34)

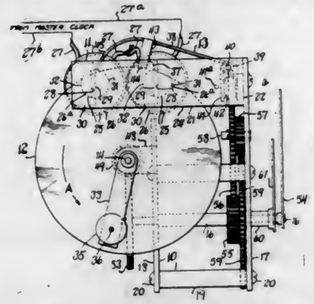


10. A resetting device for secondary impulse-timepiece movements, comprising in combination with an arbor movable in synchronism with the hour- and minute-hands of an impulse-timepiece: a motor-structure of the eddy-current type for transmitting resetting impulses to said arbor, said motor-structure comprising: a rotary armature secured to said center-arbor; and two electro field-magnets constructed and arranged to produce counteracting rotary field-effects on said armature to turn the same in opposite directions, respectively; the said rotary armature being shaped to vary the relative values of the said rotary field-effects of said electro field-magnets thereon, depending upon the relative displacement of the rotary armature with respect to the field-magnets and to counterbalance said rotary field-effects when the hour- and minute-hands are in predetermined reset-positions.

2,242,655
IMPULSE TIMEPIECE
Weyman E. Maxwell, Springfield, Mass., assignor to The Standard Electric Time Company, Springfield, Mass., a corporation of Massachusetts
Application May 19, 1939, Serial No. 274,529
11 Claims. (Cl. 58—26)

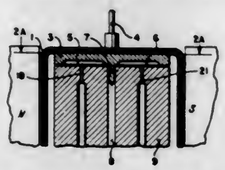
1. An impulse-timepiece movement, compris-

ing: a time-indicator; a field-structure including a field-coil and constructed to be energized by periodic electrical impulses; a rotary armature constructed and arranged to have eddy currents generated therein by the energization of said field-structure and to be periodically rotated through a first-stage of its operating movement by the electromagnetic reaction between said eddy currents and the said field-structure, the relationship between the said field-structure and



the said rotary armature producing an electromagnetic reaction of substantially-constant value during at least the major portion of the energized phase of the said field-structure; means movable in the said first-stage movement of the rotary armature and rendered operative by the de-energization of the said field-structure for additionally rotating the said armature through a second-stage of its movement; and operating-connections between said rotary armature and said time-indicator.

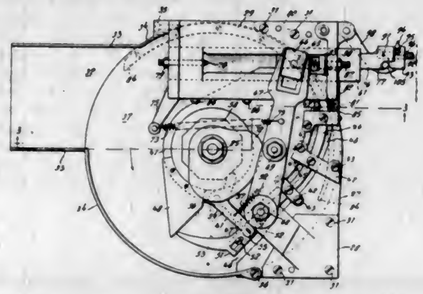
2,242,656
MEASURING INSTRUMENT
Coleman B. Moore, Carroll Park, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 8, 1938, Serial No. 194,582
7 Claims. (Cl. 171—95)



6. In a galvanometer, a base, a plate resting thereon, a coil attached to said plate, and means for floating said plate and coil over said base by means of a film of air under pressure whereby turning movement thereof will be substantially frictionless.

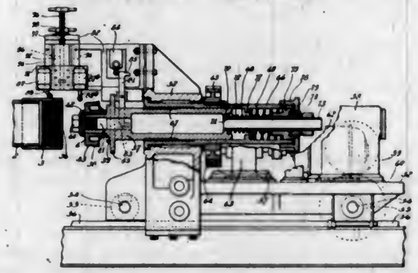
2,242,657
MECHANISM FOR FEEDING EXPLOSIVE PELLETS TO DETONATOR CUPS
Harry W. Morgan, Phillipsburg, N. J., assignor to The Canister Company, Phillipsburg, N. J., a corporation of New Jersey
Application April 19, 1939, Serial No. 268,756
13 Claims. (Cl. 86—45)

9. A mechanism for feeding pellets comprising, in combination, a rotatable dial, means for guiding the pellets on the dial, and a plurality of channels over the dial having receiving and delivery openings for the pellets, the receiving openings being opposed to the rotation of the dial and the delivery opening of one channel being lower than that of another channel, whereby one pellet is fed atop of another.



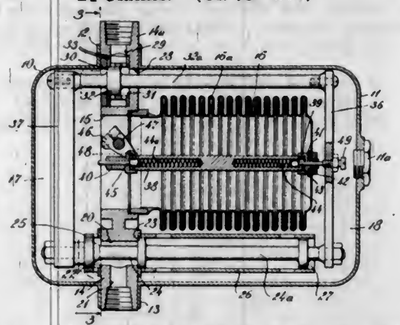
12. A mechanism for feeding pellets comprising, in combination, a rotatable dial, means for guiding the pellets on the dial, a plurality of channels over the dial having receiving and delivery openings for the pellets, the receiving openings being opposed to the rotation of the dial and the delivery opening of one channel being lower than that of another channel, and means for automatically interrupting the delivery of the pellets from said delivery openings under given conditions.

2,242,658
TUBE TESTING APPARATUS
Edward J. Protin, Charleroi, Pa., assignor to Pittsburgh Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 14, 1939, Serial No. 256,265
10 Claims. (Cl. 73—51)



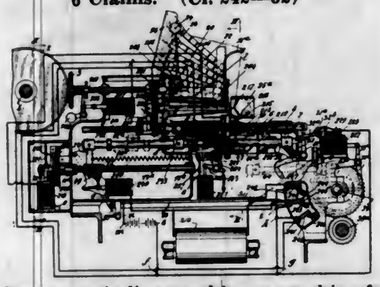
1. In a machine for pressure-testing under tension a threaded pipe assembly having temporarily sealed ends one of which is provided with an opening connected to a source of fluid under pressure, apparatus for effecting said sealing of one threaded end of a pipe assembly, said apparatus comprising a movable frame, a threaded member rotatably supported by the frame in axial alignment with the pipe assembly and movable axially relative to the frame, means biasing said member forwardly relative to the frame, means for moving the frame axially of the pipe assembly to engage said member with the assembly, and means for rotating said member to screw it onto the end of the pipe assembly to seal that end, said threaded member depending solely upon its threads to connect it to the pipe assembly and being free to move rearwardly relative to the frame while the pipe assembly to which it is connected is being pressure-tested, whereby axial stretching of said assembly is unrestrained so that testing under tension is accomplished.

2,242,659
FLUID METER
Allen W. Reid, Wyomissing Hills, Pa.
Application June 23, 1939, Serial No. 280,709
14 Claims. (Cl. 73—270)



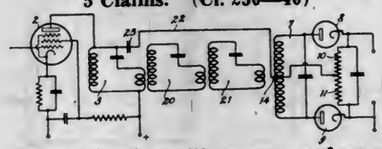
1. In a fluid meter, a casing, a bellows therein subdividing the casing into a pair of expansible and contractible chambers, the casing having an inlet opening and a pair of valve seats between the inlet opening and the chambers, respectively, and also having an outlet opening and a pair of valve seats between the outlet opening and the chambers, respectively, a valve member for each pair of seats, a connection between the valve members beyond each end of the bellows, and means movable with the bellows for alternately engaging said connections to move each valve member from one of its seats toward the other, the valve members being operable to connect the inlet opening to one of the chambers and the outlet opening to the other chamber and then connect the inlet opening to said last chamber and the outlet opening to the first chamber.

2,242,660
COP WINDING MACHINE WITH INDEPENDENT WINDING POINTS
Wilhelm Reiners and Gustav Kahlisch, Gladbach-Rheydt, Germany, assignors to W. Schlafhorst & Co., Munich-Gladbach, Germany, a corporation of Germany
Application May 13, 1939, Serial No. 273,479
In Germany May 24, 1938
6 Claims. (Cl. 242—32)



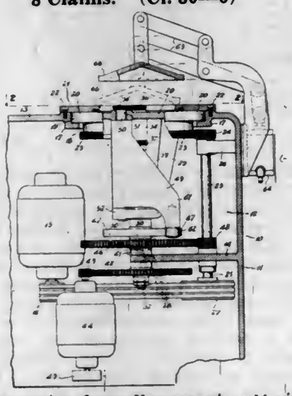
1. In a cop winding machine, a machine frame and a bank of winding units thereon, each comprising spindle means for supporting a cop tube, mounted in the machine frame for rotary and axial movement, with its axis extending from the front toward the rear of the machine frame; traversing thread guide means mounted in a fixed location on the machine frame adjacent said spindle means; and builder means for imparting a progressive axial movement to said spindle means; a tube magazine for each winding unit mounted on the machine frame outside of the winding field within which the thread is being traversed and wound on the tubes, each tube magazine being positioned with its front boundary in a plane passing approximately through the rear part of said traversing thread guide means; and means for transferring tubes from each magazine to its associated spindle means.

2,242,661
FREQUENCY DISCRIMINATOR NETWORK
Noël Meyer Rust, Essex, England, assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application November 14, 1939, Serial No. 304,301
In Great Britain September 20, 1938
5 Claims. (Cl. 250—40)



1. In combination with a source of wave energy whose frequency may vary, a rectifier system having an input and an output, a plurality of parallel resonant circuits each tuned to a common frequency arranged in cascade for transferring the wave energy from said source to said rectifier input, an odd number of reactive couplings between adjacent resonant circuits in said cascade, a direct coupling between said rectifier input and said source of wave energy, and a utilization circuit coupled to said rectifier output.

2,242,662
THREAD SWAGING APPARATUS
John W. Shera, Shaker Heights, Ohio, assignor to The Draper Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 23, 1939, Serial No. 310,782
8 Claims. (Cl. 80—6)



7. In apparatus for roller swaging V-sided pipe threads in a neck projecting integrally from a sheet metal blank, a frame, a rotary head plate journaled in the frame, a rotatably fixed shaft extending through said plate within the periphery thereof, spaced upper and lower bearings on said plate for said shaft, bearing means on said frame for said shaft, lever means pivotally mounted on said head plate, bearing means on said plate for said lever pivot, said pivot bearing means being adjacent one of said shaft bearings, a plurality of roller dies having complementary

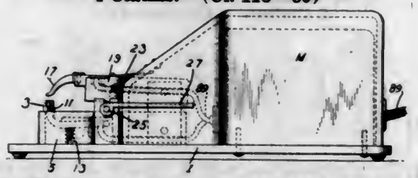
V-sided pipe thread formations thereon, one of said dies being fixed to said shaft and another being rotatably mounted on said lever means, means for rotating the head plate, means for rotating the rotatable die, and means for moving the lever means to move the rotatable die radially of the stationary die.

2,242,663

MEANS AND METHOD OF SETTING UP EYEGLASSES, SPECTACLES, RIMLESS MOUNTINGS, AND LENSES

Joseph W. Smith, Cambridge, Ohio, assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application August 23, 1939, Serial No. 291,619
4 Claims. (Cl. 113—59)



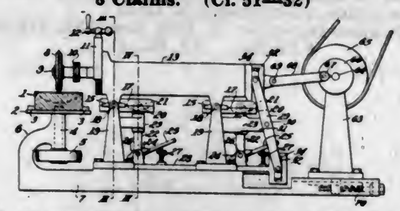
1. Means for setting up eyeglasses, spectacles, rimless mountings and lenses including a support, and a self-adjusting stop gauge movably connected with said support adapted to be engaged by a part of the mounting during the fusing operation, whereby the mounting is firmly held in place, said adjustable stop including alternately movable means against which the braces of the mounting are pressed.

2,242,664

MACHINE FOR GENERATING PARABOLOIDS OF REVOLUTION

Julius F. Stone and Perry Okey, Columbus, Ohio

Application January 3, 1940, Serial No. 312,296
8 Claims. (Cl. 51—32)



1. A machine to produce paraboloids of revolution, comprising a rotary work-carrying member, a reciprocating frame, a material removing element carried by said frame, means for reciprocating said frame transversely of the work, a guide swingable about a fixed pivot, means on said frame slidably engaging said guide and cam means for causing said guide to swing about its pivot as said frame reciprocates to guide said frame in a feeding movement at substantially right angles to the axis of said element whereby said element is caused to describe a parabolic curve.

2,242,665

GARMENT TRIMMING AND TURNING APPARATUS

Howard C. Underwood, Flushing, and Edward B. Roby, New York, N. Y., assignors to Phillips-Jones Corporation, New York, N. Y., a corporation of New York

Application October 20, 1939, Serial No. 300,344
3 Claims. (Cl. 223—2)

1. An apparatus as characterized, having a die for trimming a garment, a swinging template for receiving the garment thereover with edges of the garment to be trimmed protruding laterally from the template, said template being movable into juxtaposition with respect to said die for holding the garment upon the said die for trimming purposes, and a second swinging tem-

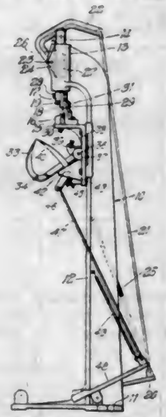


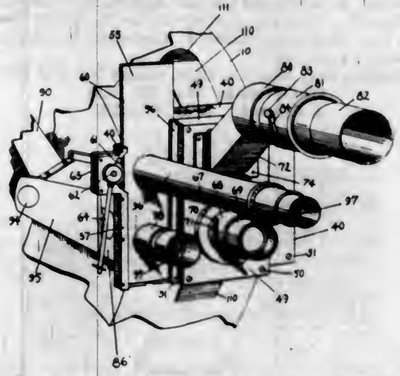
plate movable substantially into endwise contact with the first said template for enabling the garment to be reversed in passing from one to the other, adjustable means for limiting upward movement of said first template, and means for limiting downward movement of said second template.

2,242,666

CAMERA

Thomas J. Walsh, West Hempstead, N. Y., assignor to Patrick Nardell, Bronx County, N. Y., and Joseph Ladaga and William L. Morris, both of New York, N. Y., jointly

Application March 29, 1938, Serial No. 198,639
10 Claims. (Cl. 88—16)



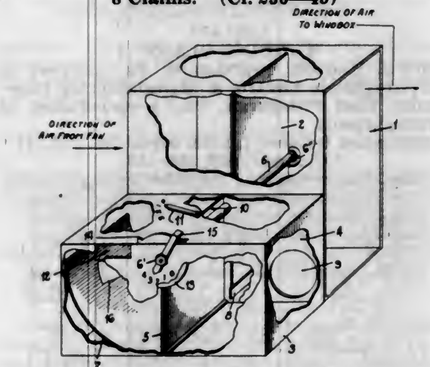
1. In a camera, a stationary long-shot lens aggregate, a stationary close-up lens aggregate, means for selectively rendering either of said lens aggregates effective and the other ineffective, a finder equipment comprising an image receiving plate, two finder lenses for use in conjunction with the image plate, one being for long-shot work and one for close-up work, means for registering one at a time said finder lenses with the image plate, and interconnections between said finder lens registering means and said lens aggregate selecting means, such that when the camera is set for long shot or close up, as the case may be, the appropriate finder lens registers with the image plate.

2,242,667

AUTOMATIC AIR CONTROL FOR FORCED DRAFT FIRING

Noel Cunningham, Aurora, Ill., assignor to Durabilt Steel Locker Co., Aurora, Ill.

Application May 22, 1940, Serial No. 336,549
8 Claims. (Cl. 236—45)



7. Automatic air control for use in forced draft firing comprising an air conduit, an unbalanced damper within the conduit, a chamber adjoining the conduit, an extension within the chamber of the axial support of said damper, a plate swingingly and rigidly attached to said extension, means for exposing one surface of said plate to static windbox pressure and the opposite surface to atmospheric pressure so as to cause the plate to exert a turning effect upon the damper in the direction of its opening and adjustable means for partially equalizing the pressure differential on opposed surfaces of the plate.

2,242,668

PROCESS AND COMPOSITION FOR CARROTING FURS

Jacob Dolid, Bridgeport, Conn.

No Drawing. Application June 27, 1940, Serial No. 342,764
13 Claims. (Cl. 8—112)

5. A process for carroting fur or the like to render it suitable for felting comprising treating the fur with a solution containing a permolybdate radical, said solution being substantially free from other oxygen-liberating compounds of the group consisting of peroxide and peroxide-liberating compounds which are less stable than said permolybdate radical; and subsequently drying the fur.

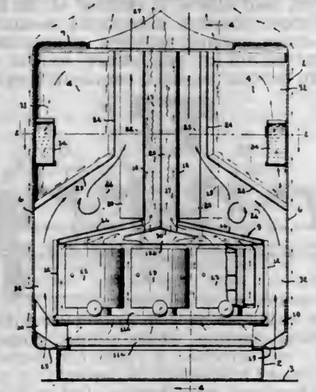
2,242,669

SPACE HEATER

Paul L. Dulaney, Cincinnati, Ohio, assignor to The Huenefeld Company, Cincinnati, Ohio, a corporation of Ohio

Application October 31, 1939, Serial No. 302,257
13 Claims. (Cl. 126—93)

1. In a heater, an elongated burner compartment, burner means therein adapted to heat the ceiling wall thereof, an elongated flue leading upwardly from said burner compartment and arranged transversely thereupon, means forming an expanded passageway with said ceiling wall arranged longitudinally of said burner compartment, means forming a constricted passageway adjacent said flue transverse of said burner compartment and in communication with said expanded passageway, and means for admitting



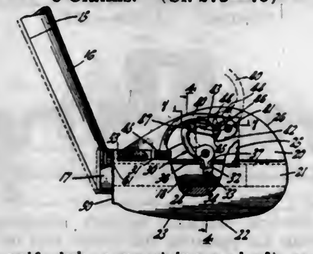
fresh air into said expanded passageway where it intimately contacts said ceiling wall of said burner compartment and passes longitudinally thereover into said constricted passageway at relatively higher speed.

2,242,670

ADJUSTABLE GOLF CLUB

George Fuller, Buffalo, N. Y.

Application January 28, 1941, Serial No. 376,321
8 Claims. (Cl. 273—79)



1. A golf club, comprising a shaft, an integral spindle carried by said shaft, a head rotatably mounted and axially movable upon said spindle, means for non-rotatably locking said head to said spindle upon relative axial movement of said head and spindle in one direction, and lever actuating means carried by said head, said lever means being engageable with said spindle for moving said head axially thereon and for holding it in its locked position.

2,242,671

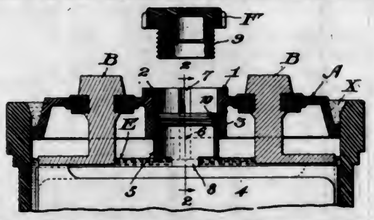
CONSTRUCTION FOR ELECTRIC STORAGE BATTERIES

George R. Godber, Los Angeles, Calif.

Application August 5, 1939, Serial No. 288,665
4 Claims. (Cl. 136—178)

1. In an electric storage battery, a casing, plates therein, a cover having a filling opening, a vertically movable sleeve fitting substantially air tightly in said filling opening and movable by gravity downwardly to a position in which it rests at its bottom on the upper edges of said plates and upwardly to a position in which its bottom is spaced above the upper edges of said

plates, said sleeve having a side opening through which liquid may flow into the casing, the top of said opening being disposed a definite distance above the bottom of said sleeve to predetermine the level to which the casing may be filled with liquid when said sleeve is resting at its bottom upon the upper edges of said plates, means holding said sleeve against rotation, means limiting upward movement of said sleeve, and a vented closure cap having threaded connection with said



sleeve and engagement with said cover outwardly of said filling opening, whereby upon rotation of said cap in one direction it raises the sleeve to its limit of upward movement to permit free gassing of the battery and then becomes tightened, and, upon rotation in the opposite direction and removal from the sleeve it releases the sleeve for downward movement to rest at its bottom upon the upper edges of the plates and uncovers the sleeve to permit liquid to be supplied therethrough to the casing.

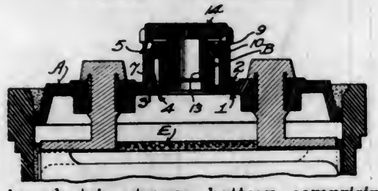
2,242,672

BATTERY CELL COVER

George R. Godber, Los Angeles, Calif.

Application May 6, 1940, Serial No. 333,676

2 Claims. (Cl. 136—178)



1. An electric storage battery comprising a cover having an opening the lower end of which is disposed at the highest part of the bottom face of the cover, the bottom face of the cover being formed so that when the battery is inverted all liquid contained therein is free to flow unimpededly to the lower end of said opening, an internally threaded, open-ended sleeve closely fitted in said opening and through which liquid is supplied to and drained from the battery, said sleeve being vertically movable in said opening between a raised position in which its lower end is disposed no lower than the lower end of said opening and a lowered position in which its lower end is disposed below the bottom face of the cover to preclude the possibility of overfilling the battery, means holding said sleeve against rotation relative to the cover, cooperating stop means on the sleeve and cover preventing upward and downward movements of said sleeve beyond its aforesaid raised and lowered positions, a vented cap having a portion to engage a top part of the cover outwardly of said sleeve and also having a depending externally threaded portion for threaded engagement with said sleeve so that when the battery is in an upright position the sleeve is lifted to its raised position when the cap is applied and tightened and is released to gravitate to its lowered position when the cap is removed, said sleeve also being free to gravitate to its first mentioned position when the cap is removed and the battery is inverted so that when the closure cap is removed and the battery is inverted and the sleeve has gravitated to its first mentioned position all liquid contained in the battery is free to drain unimpededly therefrom to the lower end of said opening and the lower open end of said sleeve and through said sleeve from the battery.

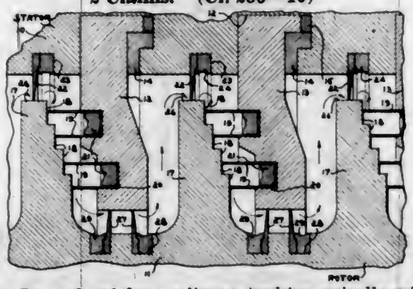
2,242,673

TURBINE GLAND

Henry J. Hanzlik, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 1, 1938, Serial No. 232,747

2 Claims. (Cl. 286—10)



1. In a gland for sealing a turbine spindle with respect to its housing wherein the spindle is subject to axial movement upon heating; a fixed collar carried by the housing; a rotatable collar carried by the spindle and disposed in radial overlapping relation with respect to the fixed collar; said rotatable collar having radially-extending and stepped sealing faces at one side thereof; a plurality of coaxial metallic strips extending laterally from one side of the fixed collar and defining axial sealing clearances with respect to said stepped sealing faces; means sealing the outer peripheral surface of the rotatable collar with respect to the inner surface of the housing, said means comprising seal strip packing carried by and extending from one of said surfaces and defining radial sealing clearance with respect to the other of said surfaces; and means sealing the inner peripheral surface of the fixed collar with respect to the peripheral surface of the rotor, said last-mentioned means comprising seal strip packing carried by and extending from one of said last-mentioned surfaces and defining radial sealing clearance with respect to the other of said last-mentioned surfaces.

2,242,674

CLUTCH DEVICE

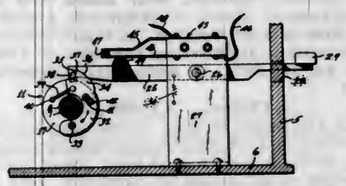
Harold P. Holt, New York, N. Y., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois

Application July 15, 1940, Serial No. 345,515

4 Claims. (Cl. 192—.02)

1. In a clutch assembly including a rotatable housing, a ratchet wheel rotatable in said housing, a pawl pivoted to said housing, spring means urging said pawl into engaged relation with said ratchet wheel whereby to connect said parts for joint rotation, said pawl having an actuating finger thereon, a pawl trip movably mounted apart from said housing and normally disposed

in the path of movement of said pawl finger, means for moving said pawl trip out of the path of said pawl finger, and a spring-biased detent



movably mounted on said housing and operable, when said pawl trip is moved out of the path of said pawl finger, to prevent the immediate return of said pawl trip to its said normal position.

2,242,675

RECOVERING METAL VALUES FROM FUELS

Hendrik Jan Jakob Janssen, The Hague, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 20, 1939, Serial No. 263,088. In the Netherlands May 14, 1938

5 Claims. (Cl. 23—21)

1. In a process for the recovery of vanadium from oils containing the same, the steps of atomizing said oil, effecting combustion of said oil in a furnace continuously producing flue ash particles substantially all not larger than 200 microns in diameter, separating said flue ash particles from the flue gases into a finer portion containing flue ash particles less than approximately 40 microns in diameter and a coarser portion containing flue ash particles greater than approximately 40 microns in diameter, continuously recycling said coarser portion to the combustion space and recovering the vanadium from said finer portion.

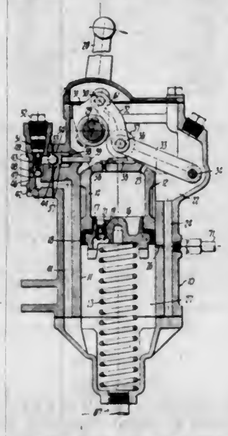
2,242,676

HYDRAULIC ACTUATOR

Albert E. Jurs, Piedmont, Calif.

Application October 31, 1938, Serial No. 237,837

1 Claim. (Cl. 60—54.6)



In a system of the character described, a hydraulic actuator for selectively operating one or more of a plurality of pressure responsive devices, said actuator comprising a fluid pressure chamber, a piston movable between actuated and released position to displace liquid from said chamber, means including a valve member movable between open and closed positions for venting liquid from said chamber when pressure in said chamber exceeds a predetermined value, an operating lever, toggle mechanism operatively connecting the lever with the piston whereby movements of the lever between actuated and released positions serves to reciprocate the piston between corresponding positions, spring means for urging the piston toward released position of the same, the toggle mechanism having a dead center position intermediate actuated and released positions of the same, whereby when the lever is moved from released to actuated position it remains locked in actuated position against the pressure of said spring means, and means for transmitting motion from said toggle mechanism to said valve member to close said valve member when said lever is moved past said dead center position to actuated position, thereby preventing venting of liquid from said chamber while the piston is in actuated position.

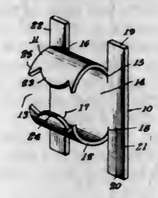
2,242,677

PLEAT CLIP

Daniel I. Reiter, New York, N. Y.

Application May 1, 1939, Serial No. 271,063

4 Claims. (Cl. 24—243)



1. A one-piece sheet metal pleating clip comprising a flat generally H-shaped part including side flanges and a connecting mid-portion, an outwardly bowed convex part extending laterally out of the plane of the flat part and integrally connected to each edge of the mid-portion, each convex part terminating in a serrated free end edge, said end edges being opposed for gripping a pleat therebetween.

2,242,678

VACUUM CLEANER

Frederick Riebel, Jr., Toledo, Ohio, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware

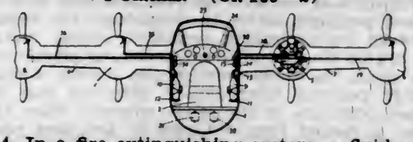
Application July 22, 1936, Serial No. 91,929

3 Claims. (Cl. 15—8)



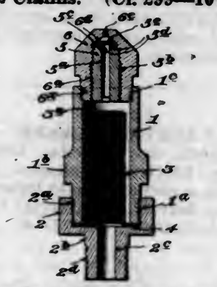
1. In a vacuum cleaner, a suction hood, a rotatable spindle therein, means to revolve the spindle, an elongated brushing element swingably mounted on the spindle, a depression formed in the wall of said spindle in which said brushing element is swingably mounted, and resilient means for causing said element to assume an inclined position in advance of a position radial to said spindle in the direction of rotation of the spindle, just prior to contact with the rug being cleaned.

2,242,679
FIRE EXTINGUISHING SYSTEM
Hubert Mackenzie Salmond, Fareham, and Anders Mathisen, High Holborn, London, England, assignors to Graviner Manufacturing Company Limited, London, England
Application November 21, 1939, Serial No. 305,556
In Great Britain November 9, 1938
4 Claims. (Cl. 169—2)



4. In a fire extinguishing system, a fluid container, a multiple position cock including an inlet passage and a plurality of output passages, an inlet pipe connecting said inlet passage to said container, a plurality of conduits respectively connecting said output passages to a plurality of points of discharge, said cock being constructed to in a first normal master position connect said inlet passage to all of said output passages and in each of its other positions to connect said inlet passage to a selected one of said output passages, said cock comprising cam means mounted for displacement with changes in the connecting positions of said cock, electric switch means comprising an actuating member engageable with said cam means, said cam means and said switch means being constructed and arranged to actuate said switch means into circuit closing position when said cock is actuated into a connecting position other than said normal master position, but to leave said switch means in normal open circuit position when said cock is in said normal master position, and electrically actuatable discharge means for said container connected to said switch means for discharging said container when said switch means is in circuit closing position.

2,242,680
NOZZLE
Clifford A. Schacht, Huntington, Ind.
Application February 27, 1940, Serial No. 321,121
2 Claims. (Cl. 299—107)

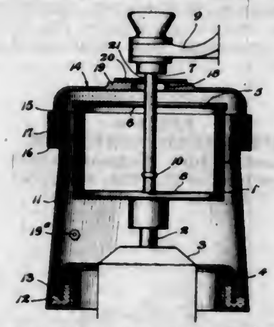


1. In a nozzle, a tip comprising a cap member adapted to be connected to a liquid supply, said cap having a conical bore contracting into a conical recess terminating in an orifice; and a member within the bore having its inner end correspondingly conically formed and contacting with the conical walls of the bore in the cap while spaced from the conical walls of said recess, the inner tip of said member terminating within the recess opposite the orifice, said member having a bore open at its outer end and closed at its inner end, and having a series of ducts therethrough adjacent the inner end of the bore discharging directly into the conical recess.

2,242,681
TANNING SUBSTANCES AND THEIR MANUFACTURE
Josef Schäfer, Riehen, near Basel, and Robert Biedermann, Basel, Switzerland, assignors to the firm of J. R. Geigy S. A., Basel, Switzerland
No Drawing. Application February 7, 1938, Serial No. 189,262. In Switzerland February 10, 1937
6 Claims. (Cl. 260—45)

1. In the manufacture of tanning substances by heating in acid solution a dihydroxydiarylsulphone in the presence of at least one of the group consisting of an aromatic sulphonic acid and a formaldehyde-condensation product of an aromatic sulphonic acid, the improvement which consists in carrying out such reaction at temperatures substantially not above 50° C., in the presence of a member of the group consisting of (*a*) a condensation product of urea and formaldehyde made from the components in the ratio of 1 molecule of urea to at least 2 molecules of formaldehyde, and (*b*) a mixture of urea and formaldehyde containing the components in the ratio of 1 molecule of urea to at least 2 molecules of formaldehyde, and also in the presence of a quantity of water only sufficient to render the reaction mass stirrable.

2,242,682
APPARATUS FOR USE IN THE MANUFACTURE OF RAYON
Hans Alwin Schrenk, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application September 23, 1940, Serial No. 358,019
In the Netherlands December 4, 1939
5 Claims. (Cl. 57—34)

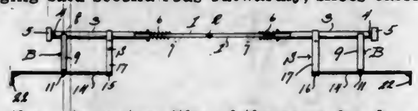


1. Apparatus for use in the manufacture of rayon yarn comprising, a centrifugal spinning pot, a guide funnel for directing yarn into said pot, a chamber enclosing said pot, means for withdrawing gases from said chamber, a cover for said chamber, said cover having an opening therein to permit normal accommodation and lateral adjustment of said funnel, and a plate loosely surrounding said funnel and extending beyond the defining margins of the opening in said cover, whereby the passage of air through the opening in the cover is restricted.

2,242,683
WINDOW SHADE OR CURTAIN HOLDER
Edward E. Scott, Corning, Iowa
Application August 1, 1940, Serial No. 349,359
4 Claims. (Cl. 156—23)

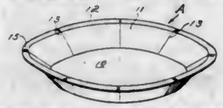
1. A holder of the class described comprising two rods, means for pivotally connecting the rods,

additional rods slidably associated with the outer portions of the first rods, yieldable means for urging said second rods outwardly, shoes carried



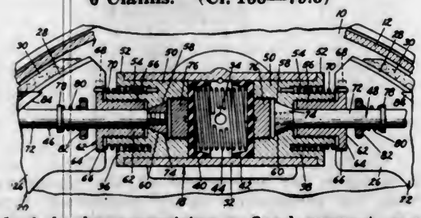
by the outer extremities of the second rods, and means carried by the second rods for supporting a shade roller or curtain pole.

2,242,684
BAKING UTENSIL AND SIMILAR RECEPTACLES
Kimberly Stuart, Neenah, Wis., assignor of one-half to Elizabeth R. B. Stuart, Menasha, Wis.
Application June 7, 1937, Serial No. 146,899
9 Claims. (Cl. 229—2.5)



1. In a receptacle formed of sheet material and having upwardly extending sides in which folds or pleats are formed to take up the surplus material during the forming of the receptacle, a flat rigid strip extending along the periphery of said receptacle for stiffening and re-enforcing said receptacle and for holding said pleats or folds in closed position, said strip having a plurality of integral prongs which pierce said material and are turned over to lock said strip to said receptacle.

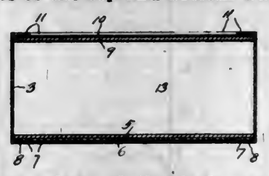
2,242,685
BRAKE
Harvey C. Swift, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application May 18, 1939, Serial No. 274,463
6 Claims. (Cl. 188—79.5)



1. A brake comprising a fixed support, a rotatable drum associated therewith, a pair of friction elements on the support having linings for cooperation with the drum, means for actuating the friction elements including a cylinder, opposed extensible pistons reciprocable in the cylinder, means for extending the pistons proportionately to wear on the linings and means cooperating with the drum for control of the means for extending the pistons.

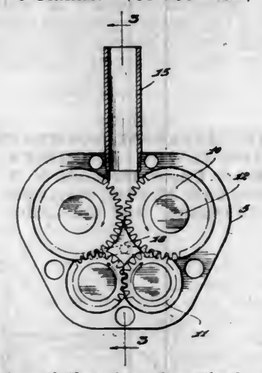
2,242,686
PACKAGE
Leslie L. Tirrell, Eau Claire, Mich.
Application March 9, 1938, Serial No. 194,928
2 Claims. (Cl. 217—3)

1. The combination with a receptacle, of an hermetically sealed gas retaining liner therein having a chamber for the reception of a preserving gas, said liner comprising a body portion formed from thin stretchable rubber and top and bottom walls also formed from thin stretchable rubber, rigid reinforcing members secured to the inner faces of the top and bottom walls, the top



and bottom edges of the body portion being hermetically sealed to the outer sides of the top and bottom walls of the liner adjacent the peripheral edges thereof above and below the rigid top and bottom members.

2,242,687
GREASE PUMP
Ralph C. Troyer, Newton, Kans.
Application August 3, 1939, Serial No. 288,239
5 Claims. (Cl. 103—126)

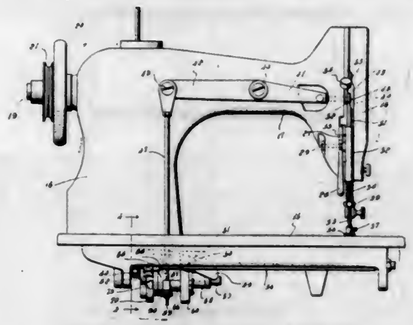


5. A device of the class described comprising a casing formed of detachably united sections provided with integral hollow caps, one of said sections being provided with a discharge opening, coacting main gears mounted for rotation within the casing, driving gears meshing with the main gears, shafts extending through said gears and having their ends journaled in the caps, a rigid block secured to one of said casing sections and provided with a flat face bearing against the other casing section, and a source of grease supply communicating with the interior of the casing at the main gears, one of the casing sections being provided with converging grease passages extending through the rigid block and intersecting at the discharge opening.

2,242,688
AUTOMATIC MATERIAL HOLDBACK FOOT ATTACHMENT FOR SEWING MACHINES
Meyer Unger, Oneonta, N. Y.
Application March 15, 1940, Serial No. 324,181
18 Claims. (Cl. 112—239)

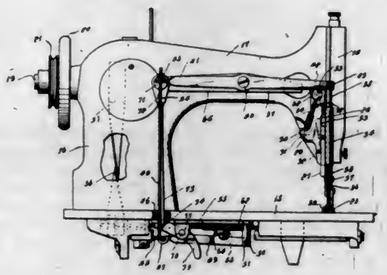
2. In an automatic material hold-back foot attachment for sewing machines, wherein the sewing machine includes a presser foot having an associated cam lifting lever, a material feeding dog and operating means for the dog, said attachment including a tensioned hold-back foot postjacent the presser foot and normally lying in the operative plane of the presser foot to hold back and prevent stretching of the sewed mate-

rial passed rearwardly of the presser foot and devices interposed between the tensioned hold-back foot and said operating means and operated by the latter to effect raising of the hold-back



foot at predetermined intervals following a predetermined multiple number of reciprocatory movements of the bar carrying the needle to raise the hold-back foot to release the sewed material held back by said tensioned hold-back foot.

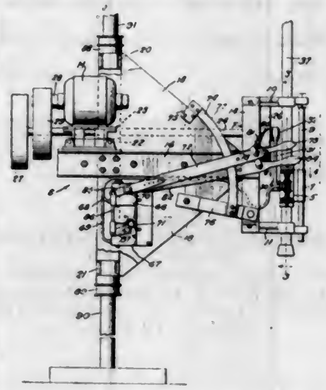
2,242,689
AUTOMATIC MATERIAL HOLDBACK MEANS FOR SEWING MACHINES
Meyer Unger, Oneonta, N. Y.
Application July 23, 1940, Serial No. 347,047
12 Claims. (Cl. 112—239)



1. Automatic material hold-back means for sewing machines, wherein the sewing machine includes a bed plate, a presser foot, a material feeding dog, operating means for the dog and a rotatable shaft beneath the bed plate, an automatically operated material hold-back foot postjacent the presser foot and normally positioned to hold back material passed rearwardly of the presser foot, a downwardly tensioned rod carrying the hold-back foot and gear drive connections between the shaft and rod operative at intervals to raise the rod and material hold-back foot to release the held-back material.

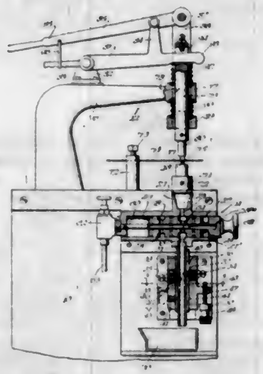
2,242,690
PIPE MOLDING MACHINE
Charles Augustus Wallace, Columbia, S. C.
Application March 31, 1938, Serial No. 199,238
13 Claims. (Cl. 25—37)

1. In a pipe molding machine, a support, a head mounted to reciprocate vertically on said support, a tamping rod slidable on said head, means for pressing said rod into frictional contact with said head, and mechanism adjustable on said support



for operating said means to vary the pressure on said rod.

2,242,691
ELECTRIC WELDING APPARATUS
Roy M. White, South Pasadena, Calif.
Application May 9, 1938, Serial No. 206,920
17 Claims. (Cl. 200—33)

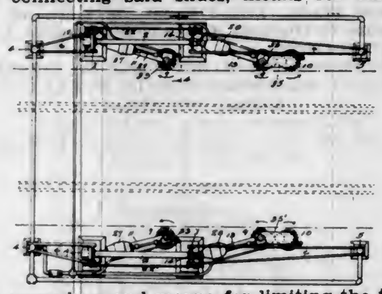


2. A timer for an electric circuit, comprising means for measuring small, separated, independent bodies of current conducting liquid of predetermined volume, a pair of spaced contacts, means for successively discharging said bodies of liquid from the measuring means, means for guiding the discharged bodies of liquid along a path past said contacts, and means for varying the duration of time in their movement that said bodies bridge the space and establish electrical communication between said contact elements.

2,242,692
CAR WASHER
Frank B. Yingling, Hamilton, Ohio
Application March 31, 1938, Serial No. 199,303
7 Claims. (Cl. 15—53)

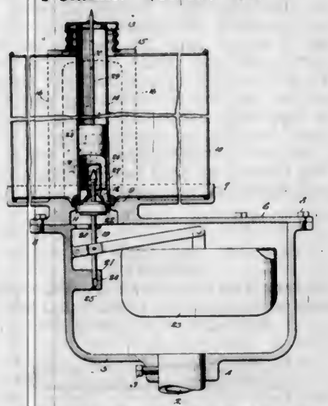
1. In a car washer, the combination with a main frame and a pair of hinged brush-frames, of a lever mechanism mounted on the main frame for each brush frame, each said lever mechanism

including a threaded reciprocable slide, a screw bar connecting said slides, means for turning



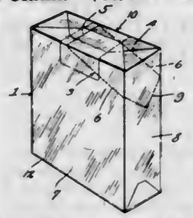
the screw bar, and means for limiting the turning movement of the screw bar.

2,242,693
LIQUID DISPENSER
Newell B. Benson, Baltimore, Md.
Application April 29, 1940, Serial No. 332,327
4 Claims. (Cl. 137—68)



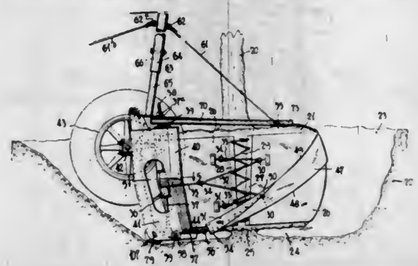
1. A dispensing device for liquids, comprising a support, a penetrable container carried by the support, a piercing member movably mounted on the support, the piercing member and the support having parts which coact to hold said member in position to form an outlet in the container when the container is placed on the support, a valve carried by said member and controlling the outlet, and float-actuated means connected to said member, and moving the valve to and from closed position with respect to the outlet.

2,242,694
CIGARETTE PACKAGE
Arlie Leon Booth, Miami, Fla.
Application October 11, 1938, Serial No. 234,446
1 Claim. (Cl. 229—51)



A cigarette package comprising a receptacle having a continuous line of perforations defining a completely removable portion in the receptacle, the line of perforations extending transversely of the top of the receptacle, along the sides of the receptacle, in downwardly slanting lines, and across one completely closed end of the receptacle, below the top of the receptacle, in the form of a downwardly extending V, the edges of which extend upwardly to the lower ends of said downwardly slanting lines.

2,242,695
TREE MOVER
Milo G. Coplen, Rockville, Md.
Application July 21, 1938, Serial No. 220,556
15 Claims. (Cl. 214—3)



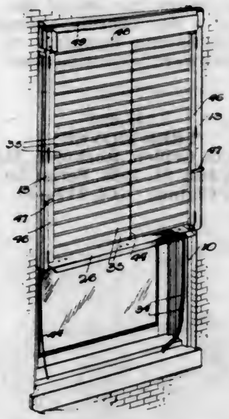
1. In a tree moving apparatus, a tree ball supporting cradle mounted on wheels, said cradle being adapted to receive the side of a tree ball so that when a tree is transported the trunk thereof extends generally lengthwise of the path of travel of the cradle and the cradle faces upwardly, means for securing the tree ball to the cradle including a strap extending diagonally about the tree ball from the root side of the ball and having its upper end toward the trunk side of the ball, a lever connected to said cradle and extending lengthwise of the trunk for tilting said cradle, and a connection between the upper end of said strap and said lever.

2,242,696
SPIRAL BINDER
Sumner W. Dow, Boston, Mass.
Application December 11, 1940, Serial No. 369,639
4 Claims. (Cl. 281—19)



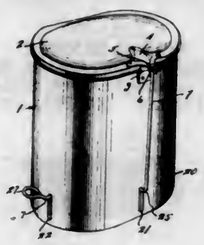
1. In a book backing and spiral binder, a backing comprising a pair of metallic plates and alternate fabric layers connected together, said metallic plates being arcuate in cross-section with the inner metallic plate exposed, the spiral binder including a wire coil carrying a book of leaves, top and bottom covers carried by the backing and means for securing the spiral binder to the backing including V-shaped loop straps struck up from both of said plates and disposed between adjacent convolutions of the wire coil and a locking rod positioned between the apices of said struck-up loop straps and the underlying sides of the convolutions of said wire coil, the inner exposed metallic backing plate having openings therein through which the struck-up loop straps of the outer metallic plate extend.

2,242,697
AWNING
Leonardo Duca, Philadelphia, Pa.
Application February 27, 1940, Serial No. 321,128
5 Claims. (Cl. 156—17)



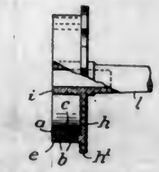
1. An awning including a header, side bars connected thereto to form a frame, slats suspended from the header and having terminals slidable in said side bars, slat carriers slidably fitting in said bars to coact with said terminals, a tie rod hinged to the carriers and connecting said carriers to form a sling for the slats, and means for raising or lowering said sling and raising or lowering the slats thereby.

2,242,698
SANITARY RECEPTACLE
Harry G. Evitt, Baltimore, Md.
Application September 28, 1937, Serial No. 166,156
3 Claims. (Cl. 220—36)



1. In a sanitary receptacle having an outer and an inner container, a hinged top for said outer container, said top being operated by a rod which is attached to the top at one of its extremities and has pedal means at its other extremity, said point of attachment being outside the line of hinging, said outer container having two elongated apertures in its sides, one of said apertures being under the point of connection to the top and the other of said apertures being positioned so that an arc of less than 180° marks its relation to the first mentioned aperture, said rod having a portion passing through both of said apertures whereby said rod is prevented from appreciable swaying from its point of connection to the top.

2,242,699
INDICATOR WHEEL
Konrad Flader, Erfurt-Hochheim, Germany, assignor to Olympia Buromaschinenwerke A. G., Erfurt, Germany
Application July 9, 1938, Serial No. 218,471
In Germany July 13, 1937
1 Claim. (Cl. 235—1)



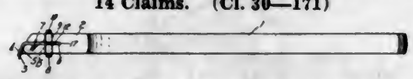
Indicator wheel for calculating machines and the like, comprising an inner ring-shaped portion of artificial resin, projecting distinguishing marks consisting of the same artificial resin and being integrally provided on the outer rim surface of said portion, said inner ring being provided with radially arranged passages at the existing hollow parts of said marks, an outer portion of artificial resin having another appearance surrounding the said inner portion so that the top faces of said marks are on the same face level with the outer surface of the outer portion, a disc-like portion secured to the inner ring-shaped portion by which the finished wheel may be manually turned and being integral with said outer portion arranged on one side of said outer portion to strengthen said inner portion, and pins formed on said outer portion extending into and filling said passages.

2,242,700
SCRAPER
Arthur Terry Fletcher, Bristol, Conn.
Application January 23, 1939, Serial No. 252,277
9 Claims. (Cl. 30—171)



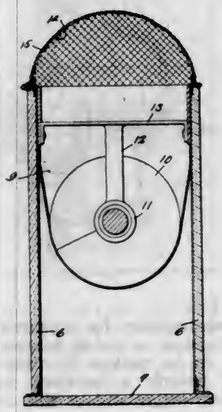
1. In a scraper, a holder block having a transverse kerf in its front end and a transversely disposed and elongated narrow edge portion below said kerf, blade clamping mechanism including a holding member carried in said kerf and projecting forwardly from said edge portion and having a transversely elongated narrow depending portion in clamping relation in front of said edge portion, and a transversely elongated narrow scraper blade disposed beneath the forwardly extending portion of said holding member and clamped between said depending and front edge portions.

2,242,701
SCRAPER
Arthur Terry Fletcher, Bristol, Conn.
Application December 18, 1939, Serial No. 309,737
14 Claims. (Cl. 30—171)



1. In a scraper, a scraper body having a front clamping edge, a blade clamping member thereon and adapted to clamp a blade along said edge, and cooperating means intermediate the ends of said body and on said body and clamping member for moving said clamping member longitudinally of said body and tightening and releasing said clamping member.

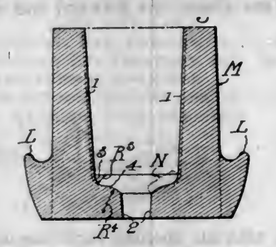
2,242,702
APPARATUS FOR COOLING DEHYDRATED FORAGE CROPS
Joseph Henry Fulmer, Nazareth, Pa.
Application March 18, 1940, Serial No. 324,735
2 Claims. (Cl. 259—9)



1. An apparatus for cooling finely ground dry material, comprising an inclined substantially deep body portion including vertical side walls and a bottom, the top of the body portion being open throughout its length, a cooling chamber mounted within the body portion and comprising a length of sheet metal material longitudinally bent intermediate its side edges, providing a curved bottom and substantially straight side walls, the side walls of the cooling chamber being secured to the side walls of the body portion, the curved bottom of the cooling chamber being disposed below a horizontal line drawn transversely through the center of the body portion, the top of the cooling chamber being open, portions of the side walls of the cooling chamber being spaced from the side walls of the body portion, an upwardly bulged cover constructed of wire mesh material, hingedly connected to the body portion, a fabric covering mounted on the wire mesh cover, a spiral conveyor operating within the curved bottom of the cooling chamber and adapted to feed material to the upper end of the cooling chamber, and means for directing a cooling medium to the body portion and against the bottom of the cooling chamber, cooling material carried through the cooling chamber by the conveyor.

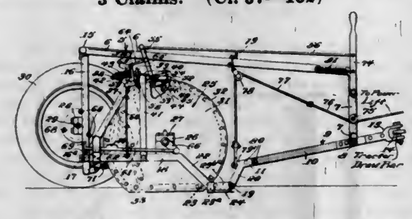
2,242,703
INGOT MOLD AND INGOT
Emil Gathmann, Baltimore, Md., assignor to Gathmann Research Incorporated, Catonsville, Md., a corporation of Maryland
Application February 1, 1941, Serial No. 377,030
4 Claims. (Cl. 22—139)

1. An ingot mold having a vertically-extending chamber defined by a wall which is necked in at the bottom, the necked-in portion of the wall comprising a concave part which merges with the mold wall proper and a convex part connected to the concave part, the arcuate length



of said convex part being not less than twice as great as the arcuate length of said concave part.

2,242,704
SCRAPER
William C. Godwin, Albany, Tex.
Application November 20, 1939, Serial No. 305,365
3 Claims. (Cl. 37—132)

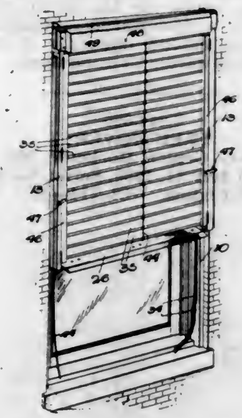


1. In a wheeled scraper, a frame having a plurality of pivoted and relatively movable sections for movement with respect to each other, a bucket rotatably mounted on one of said sections and having a crank arm fixed thereto for rotating said bucket, an axle mounted on said frame and rearwardly of said bucket, wheels carried by said axle for supporting one end of said frame above the ground and with one of said wheels provided with inwardly and axially extending pins, means connected to the other end of said frame for supporting said last mentioned end above the ground, a latch mechanism supported on said last mentioned section for normally maintaining said bucket in loading position and operable for permitting rotation of said bucket to unloading position, means slidably connected to another of said sections and fixed to still another section for raising said first-mentioned section to effect elevating of said bucket out of load-receiving position, means for operating said mechanism to condition said bucket for rotation to unloading position, a rod connected to said crank arm and formed with a hooked end for disposal within the path of one of said pins, and means connecting said rod to said latch mechanism and operable by the latter for disposing said hooked end into engagement with one of said pins whereby to rotate said bucket to unloading position upon rotation of said wheels.

2,242,705
WATER SPRAYING AIRPLANE
Isaac Gordon, Schenectady, N. Y.
Application February 6, 1939, Serial No. 254,926
12 Claims. (Cl. 244—136)

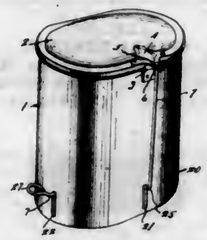
1. An aerial water spraying apparatus including an airplane having a hull and a water tank forming a part of the bottom of the hull of the plane and located entirely below the water line thereof, said tank having its major capacity at

2,242,697
AWNING
Leonardo Duca, Philadelphia, Pa.
Application February 27, 1940, Serial No. 321,128
5 Claims. (Cl. 156—17)



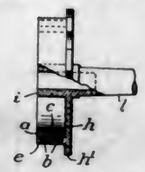
1. An awning including a header, side bars connected thereto to form a frame, slats suspended from the header and having terminals slidable in said side bars, slat carriers slidably fitting in said bars to coact with said terminals, a tie rod hinged to the carriers and connecting said carriers to form a sling for the slats, and means for raising or lowering said sling and raising or lowering the slats thereby.

2,242,698
SANITARY RECEPTACLE
Harry G. Evitt, Baltimore, Md.
Application September 28, 1937, Serial No. 166,156
3 Claims. (Cl. 220—36)



1. In a sanitary receptacle having an outer and an inner container, a hinged top for said outer container, said top being operated by a rod which is attached to the top at one of its extremities and has pedal means at its other extremity, said point of attachment being outside the line of hinging, said outer container having two elongated apertures in its sides, one of said apertures being under the point of connection to the top and the other of said apertures being positioned so that an arc of less than 180° marks its relation to the first mentioned aperture, said rod having a portion passing through both of said apertures whereby said rod is prevented from appreciable swaying from its point of connection to the top.

2,242,699
INDICATOR WHEEL
Konrad Flader, Erfurt-Hochheim, Germany, assignor to Olympia Buromaschinenwerke A. G., Erfurt, Germany
Application July 9, 1938, Serial No. 218,471
In Germany July 13, 1937
1 Claim. (Cl. 235—1)



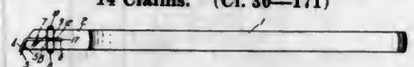
Indicator wheel for calculating machines and the like, comprising an inner ring-shaped portion of artificial resin, projecting distinguishing marks consisting of the same artificial resin and being integrally provided on the outer rim surface of said portion, said inner ring being provided with radially arranged passages at the existing hollow parts of said marks, an outer portion of artificial resin having another appearance surrounding the said inner portion so that the top faces of said marks are on the same face level with the outer surface of the outer portion, a disc-like portion secured to the inner ring-shaped portion by which the finished wheel may be manually turned and being integral with said outer portion arranged on one side of said outer portion to strengthen said inner portion, and pins formed on said outer portion extending into and filling said passages.

2,242,700
SCRAPER
Arthur Terry Fletcher, Bristol, Conn.
Application January 23, 1939, Serial No. 252,277
9 Claims. (Cl. 30—171)



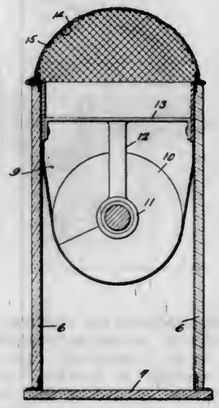
1. In a scraper, a holder block having a transverse kerf in its front end and a transversely disposed and elongated narrow edge portion below said kerf, blade clamping mechanism including a holding member carried in said kerf and projecting forwardly from said edge portion and having a transversely elongated narrow depending portion in clamping relation in front of said edge portion, and a transversely elongated narrow scraper blade disposed beneath the forwardly extending portion of said holding member and clamped between said depending and front edge portions.

2,242,701
SCRAPER
Arthur Terry Fletcher, Bristol, Conn.
Application December 18, 1939, Serial No. 309,737
14 Claims. (Cl. 30—171)



1. In a scraper, a scraper body having a front clamping edge, a blade clamping member thereon and adapted to clamp a blade along said edge, and cooperating means intermediate the ends of said body and on said body and clamping member for moving said clamping member longitudinally of said body and tightening and releasing said clamping member.

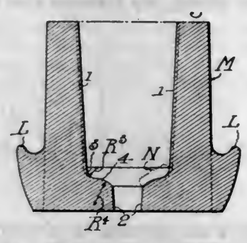
2,242,702
APPARATUS FOR COOLING DEHYDRATED FORAGE CROPS
Joseph Henry Fulmer, Nazareth, Pa.
Application March 18, 1940, Serial No. 324,735
2 Claims. (Cl. 259—9)



1. An apparatus for cooling finely ground dry material, comprising an inclined substantially deep body portion including vertical side walls and a bottom, the top of the body portion being open throughout its length, a cooling chamber mounted within the body portion and comprising a length of sheet metal material longitudinally bent intermediate its side edges, providing a curved bottom and substantially straight side walls, the side walls of the cooling chamber being secured to the side walls of the body portion, the curved bottom of the cooling chamber being disposed below a horizontal line drawn transversely through the center of the body portion, the top of the cooling chamber being open, portions of the side walls of the cooling chamber being spaced from the side walls of the body portion, an upwardly bulged cover constructed of wire mesh material, hingedly connected to the body portion, a fabric covering mounted on the wire mesh cover, a spiral conveyor operating within the curved bottom of the cooling chamber and adapted to feed material to the upper end of the cooling chamber, and means for directing a cooling medium to the body portion and against the bottom of the cooling chamber, cooling material carried through the cooling chamber by the conveyor.

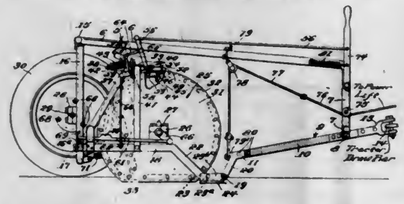
2,242,703
INGOT MOLD AND INGOT
Emil Gathmann, Baltimore, Md., assignor to Gathmann Research Incorporated, Catonsville, Md., a corporation of Maryland
Application February 1, 1941, Serial No. 377,030
4 Claims. (Cl. 22—139)

1. An ingot mold having a vertically-extending chamber defined by a wall which is necked in at the bottom, the necked-in portion of the wall comprising a concave part which merges with the mold wall proper and a convex part connected to the concave part, the arcuate length



of said convex part being not less than twice as great as the arcuate length of said concave part.

2,242,704
SCRAPER
William C. Godwin, Albany, Tex.
Application November 20, 1939, Serial No. 305,365
3 Claims. (Cl. 37—132)

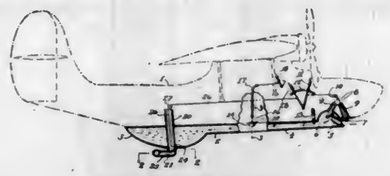


1. In a wheeled scraper, a frame having a plurality of pivoted and relatively movable sections for movement with respect to each other, a bucket rotatably mounted on one of said sections and having a crank arm fixed thereto for rotating said bucket, an axle mounted on said frame and rearwardly of said bucket, wheels carried by said axle for supporting one end of said frame above the ground and with one of said wheels provided with inwardly and axially extending pins, means connected to the other end of said frame for supporting said last mentioned end above the ground, a latch mechanism supported on said last mentioned section for normally maintaining said bucket in loading position and operable for permitting rotation of said bucket to unloading position, means slidably connected to another of said sections and fixed to still another section for raising said first-mentioned section to effect elevating of said bucket out of load-receiving position, means for operating said mechanism to condition said bucket for rotation to unloading position, a rod connected to said crank arm and formed with a hooked end for disposal within the path of one of said pins, and means connecting said rod to said latch mechanism and operable by the latter for disposing said hooked end into engagement with one of said pins whereby to rotate said bucket to unloading position upon rotation of said wheels.

2,242,705
WATER SPRAYING AIRPLANE
Isaac Gordon, Schenectady, N. Y.
Application February 6, 1939, Serial No. 254,926
12 Claims. (Cl. 244—136)

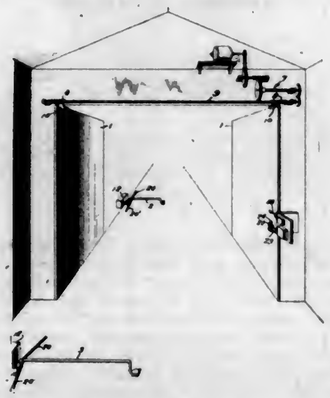
1. An aerial water spraying apparatus including an airplane having a hull and a water tank forming a part of the bottom of the hull of the plane and located entirely below the water line thereof, said tank having its major capacity at

the rear of the plane and tapered toward the front of the plane, the forward end of the tank



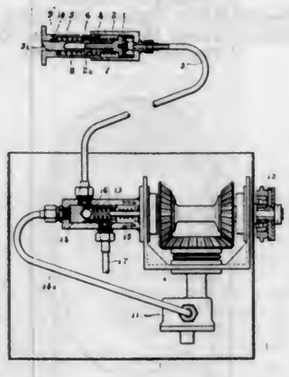
provided with an opening for charging the tank as the plane moves over a body of water.

2,242,706
AUTOMATIC DOOR CONTROL
Charles S. Hanson, Wellington, Kans.
Application March 16, 1939, Serial No. 262,297
1 Claim. (Cl. 268—63)



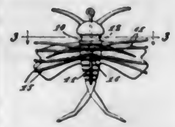
An automatic door operating device comprising, a motor operable reversibly to respectively open and close the door, a reversing switch for the motor, operating switches on opposite sides of the door, a distributing switch, each operating switch comprising two-way throw contacts disposed in opposite directions towards and away from the door, the contacts of the several switches disposed in opposite directions respectively toward and away from each other being in common circuit with the reversing switch, the distributing switch comprising two-way throw contacts for opening the operating switch simultaneously with closing the reverse circuit through the open contact of the other operating switch, the reversing switch comprising a switch arm positionable alternatively to two positions for closing the respective circuits of the motor, a reversing switch arm actuating spring, means operable by the respective opening and closing of the door to position the spring to throw the arm for reversing the operation of the motor, means for holding the arm against actuation by the spring, means responsive to the door approaching either fully opened or closed position to operate the distributing switch to open the operating circuit of one operating switch and to close contact through the inoperative circuit of the other operating switch, and means operable responsive to the door attaining either fully opened or closed position to release the holding means for the reversing switch arm actuating spring to operate the throw of the arm.

2,242,707
LOCKING BOLT OR FASTENING DEVICE
Lionel Leslie Haynes, Bromsgrove, England
Application June 4, 1940, Serial No. 338,787
In Great Britain August 3, 1939
1 Claim. (Cl. 292—144)



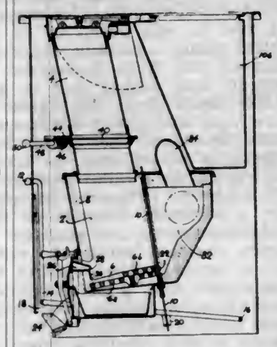
A locking mechanism for closures, comprising a cylindrical casing, a piston located at one end and adapted to be moved by fluid pressure, a locking bolt, having a bevelled nose, slidably mounted in the other end of the casing, means for telescopically connecting the piston and bolt by a projection on the one member engaging, with a sliding fit, a recess in the other member, a collar on the inner portion of the bolt, a helical spring which encircles the bolt and bears on the said collar and on an internal shoulder on the casing to normally retract the bolt and a spring encircling a stem on the piston and bearing at one end on the collar and at the other end on the piston, and through the intermediary of which the locking bolt is projected into the locking position and whereby the locking bolt can be retracted by pressure on the bevelled nose, means limiting the outward movement of the bolt and a shoulder on the cylindrical casing limiting the power stroke of the piston.

2,242,708
SPONGE RUBBER FLY
Raymond D. Lancaster, Ashtabula, Ohio
Application September 3, 1940, Serial No. 355,265
1 Claim. (Cl. 43—48)



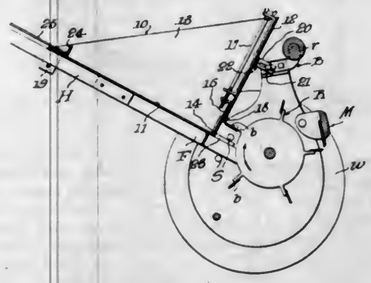
A fishing fly comprising, a hook, a loop on the shank of the hook, a sponge rubber body simulating an insect body disposed on the hook having a portion engaged in the loop to prevent accidental dislodgement of the body from the hook, and legs on the body simulating the legs of an insect, said legs being formed of rubber threads drawn through the body and having an intermediate portion engaged through the loop to prevent shearing off of the legs at the body.

2,242,709
FURNACE FOR SOLID FUEL
Karl Einar Löfvenmark, Traneberg, Sweden, assignor to Bolinder's Fabriks Aktiebolag, Stockholm, Sweden, a corporation of Sweden
Application March 23, 1939, Serial No. 263,780
In Sweden March 23, 1938
14 Claims. (Cl. 126—1)



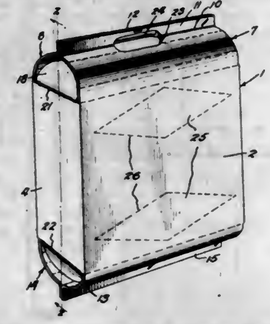
1. A furnace of the class described including a combustion chamber, a fuel shaft communicating with the combustion chamber, an adjustable shutting-off member by means of which the fuel shaft at least to its upper portion thereof may be shut off from the combustion chamber to form a separate feeding chamber, a channel opening close by the upper end of said feeding chamber and communicating with a gas outlet, such as a chimney, and a closing member to control the communication between said channel and said feeding chamber, whereby gases from the feeding chamber are sucked out through said channel after said chamber has been shut off from the combustion chamber and the closing member has been opened.

2,242,710
DISTRIBUTOR ATTACHMENT FOR LAWN MOWERS
Francis Eugene Loomis, Kearney, Nebr.
Application July 11, 1939, Serial No. 283,879
5 Claims. (Cl. 275—2)



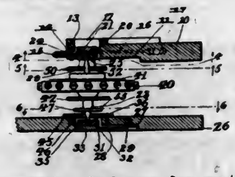
1. In combination with a conventional lawn mower having a reel provided with blades; a material distributing attachment mounted on said mower and having an outlet for the material to be distributed, said attachment having a portion positioned to be tapped by said blades as said reel rotates, whereby said blades will vibrate the attachment to facilitate discharge of material therefrom.

2,242,711
SHIPPING CONTAINER FOR CITRUS FRUITS AND THE LIKE
Paul E. A. Olivier, New Orleans, La., assignor to Great Southern Box Company, Inc., Southport, La., a corporation of Louisiana
Application October 25, 1939, Serial No. 301,273
5 Claims. (Cl. 206—44)



1. Shipping container for citrus fruit and the like comprising a rectangular tubular member having front and back panels, and with infolding flaps at the top and bottom edges of the front and back panels, said flaps being adapted to bend convexly against the bulge of fruit above the level of the front and back panels, each of said convexly bendable flaps terminating in flanges foldable outwardly and in coincidence when the container is closed, said flanges being adapted to be secured together.

2,242,712
SHOCK-RESISTING BALANCE FOR WATCHES
Wolford Sadovsky and John F. Powell, San Antonio, Tex.; said Powell assignor to said Sadovsky
Application August 28, 1939, Serial No. 292,300
2 Claims. (Cl. 58—140)



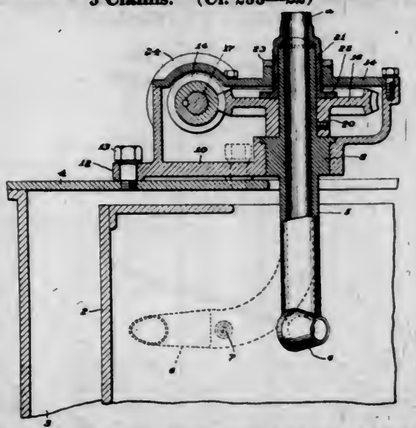
1. A shock-resisting balance for watches comprising a balance bridge, a plate located below the bridge, said bridge and plate having openings in vertical alignment, a bearing in each opening and spaced from the walls of the openings, a spring secured at one end to a side wall of the bridge, the bridge having at the front thereof a groove leading into the opening, said spring being curved around the side wall of the bridge and having the free end bent backwardly upon itself, located in the groove and projecting into the opening in the bridge, the free end of the spring where projecting into the opening being secured to the bearing in said opening, a second spring secured at one end to the plate, the other end being connected to the other bearing, a balance staff having the ends thereof mounted in the bearings and movable laterally and endwise with the resiliently mounted bearings, and means carried by the plate and means depending from the bridge for limiting lateral movement of the staff.

2,242,713

SKIMMER FOR CENTRIFUGAL SEPARATORS

John E. Tholl, Needham, Mass., assignor to American Tool & Machine Co., Hyde Park, Boston, Mass., a corporation of Massachusetts

Application August 5, 1939, Serial No. 288,533
5 Claims. (Cl. 233—22)



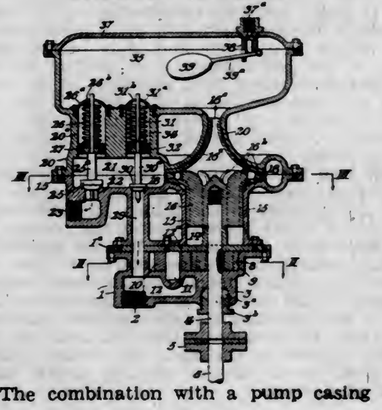
1. A skimmer for centrifugal separators having a centrifugal basket and a curb, said skimmer comprising a discharge pipe adapted to extend into the centrifugal basket, a bracket adapted to be mounted on the curb portion of the separator, said pipe including an upright portion extending through said bracket and having a journal portion rotatably mounted in the bracket and forming a liquid tight joint therewith, a cover cooperating with said bracket to form a casing, a sleeve screw threaded through said cover and having a telescoping connection with said pipe, and means in said casing operable to swing said pipe about the axis of that portion of the pipe extending through the casing, said means including a member secured to the pipe between said sleeve and said journal portion.

2,242,714

LIQUID DISPENSING APPARATUS

David S. Willson, Muskegon Heights, Mich., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware

Application September 7, 1939, Serial No. 293,660
13 Claims. (Cl. 103—5)



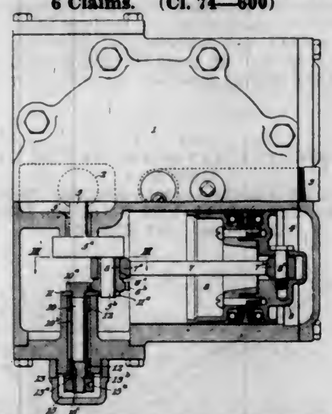
1. The combination with a pump casing inclosing a pump chamber having a liquid supply inlet and a liquid dispensing outlet and a vent to the outer atmosphere from the upper portion of said casing for the escape of lighter fluids including air and vapor of said liquid; of a positive displacement pump mounted to rotate in the lower portion of said casing and continually preventing communication between said liquid supply inlet and liquid dispensing outlet, and limiting and controlling the passage of fluid from said inlet to said outlet by its operation; a centrifugal pump including a rotor impeller which receives only fluid discharged from said first pump in said casing and is adapted to separate the liquid from the lighter fluids in the mixture from the positive displacement pump and forcibly discharge the liquid toward said liquid dispensing outlet and the lighter fluids toward said vent; an annular passage for liquid in registry with the perimeter of said centrifugal rotor; a receiving chamber in said casing in communication with said passage; a port in said receiving chamber leading to said dispensing outlet; a spring pressed control valve normally closing said port; a piston connected with said control valve, of greater area than the latter, adapted to open said control valve when the fluid pressure in said receiving chamber is sufficient to overcome the stress of the valve closing spring.

2,242,715

FLUID METER

Joseph C. Woodford, Wayne, and Joseph E. Fernly, Conshohocken, Pa., assignors to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware

Application August 17, 1939, Serial No. 290,534
6 Claims. (Cl. 74—600)



1. The combination with a crank shaft member having an eccentric crank-pin in rigid relation therewith; of an eccentric bushing sleeve mounted to be adjustably turned on said crank-pin and having a cylindrical outer surface in eccentric relation to the axis of said pin; a piston rod, of invariable effective length, pivotally connected with said bushing sleeve; a gear on one end of said bushing sleeve in concentric relation with the axis of said crank-pin; a second crank shaft member in axial alignment with said first crank shaft member, but separate from and axially movable independently thereof; a gear pinion in rigid relation with said second crank shaft member and in mesh with said gear on the bushing; means at the outer end of said second crank shaft member, for adjustably turning it relatively to said first crank shaft member, for varying the eccentricity of the axis of said bushing sleeve with respect to the common axis of said crank shaft members, including a locking washer having a key lug engaging a keyway in the outer end of said second crank shaft member; and means for clamping said second crank shaft member in rigid relation with said first crank shaft member when adjusted, including a nut on the outer end of said second crank shaft member.

2,242,716

BEARING MEMBER AND BEARING INSTALLATION

Clement A. Woodward, Dedham, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application March 20, 1940, Serial No. 325,060
2 Claims. (Cl. 74—230.8)



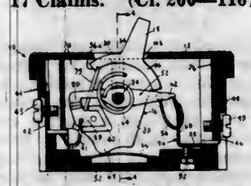
2. In combination, a pulley member comprising a disk portion having a marginal grooved rim, said disk portion having a central opening therein, and a bearing member formed from sheet metal and assembled with said disk portion, said bearing member having a base portion and a hollow shank formed from said base portion and extending through said aperture of said disk, said base having a flat portion secured in contiguous superposed relation to said disk, and said bearing member having an annular embossment adjacent the junction of said shank and said base, said embossment providing an annular depression on one side of said base and a complementary annular projection on an opposite side, and a second pulley member assembled with said first pulley member, said second pulley member having a disk and a marginal grooved rim, said disk portion of said second pulley being secured adjacent a side of the disk portion of said first pulley and said disk portion of said second pulley having a central opening receiving said annular projection and cooperating with said projection to center said second pulley relative to said first pulley.

2,242,717

CIRCUIT BREAKER

Thomas M. Cole, New York, N. Y., and Christopher I. Smith, Newark, N. J., assignors to Cole Electric Products Co. Inc., Long Island City, N. Y., a corporation of New York

Application April 1, 1940, Serial No. 327,150
17 Claims. (Cl. 200—116)



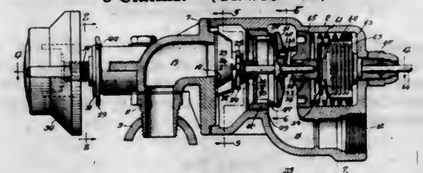
1. In an electric-circuit breaker, a casing, relatively movable companion contact members engageable with and disengageable from each other within said casing, both of said contact members being movable, and an operating mechanism for effecting the engagement and disengagement of said contact members for making and breaking the circuit, respectively, said operating mechanism comprising a manually operable member for effecting movement of both of said contact members, said manually operable member being mounted for turning movement in said casing and carrying one of said contact members, the other of said contact members being mounted for turning movement concentrically with said manually operable member, said manually operable member having a part projecting outwardly from said casing for the manual operation of the circuit breaker.

2,242,718

FUEL REGULATOR

Kenneth L. Dynes, Lynwood, Calif., assignor to Grayson Heat Control, Ltd., Lynwood, Calif., a corporation of California

Application January 21, 1939, Serial No. 252,135
5 Claims. (Cl. 236—99)



1. In a fuel regulator, the combination of an elongated casing having a fuel passage therethrough devoid of abrupt angles, a flat seat interiorly of the casing surrounding a portion of said passage, a slidable valve movable across said seat to open and close said passage, a sleeve extending longitudinally of the casing upon the inner end of which said valve is loosely mounted, an arm projecting radially from said sleeve and connected with said valve to operate the same, a thermostatic regulating valve for regulating the flow of fuel passed by said control valve, said regulating valve including an adjustable seat, a shaft extending through said sleeve and connected to adjust the position of said adjustable seat, a knob fixedly mounted on the outer end of said shaft, a spring near the outer end of said sleeve acting through said sleeve and arm to urge said control valve against said flat seat, a spring interposed between said knob and the outer end of said sleeve, said shaft being longitudinally movable within the sleeve by said knob, and means for locking said shaft and sleeve against rotation, said means being releasable upon longitudinal movement of the shaft relatively to the sleeve and means for rotating said sleeve with said shaft.

2,242,719

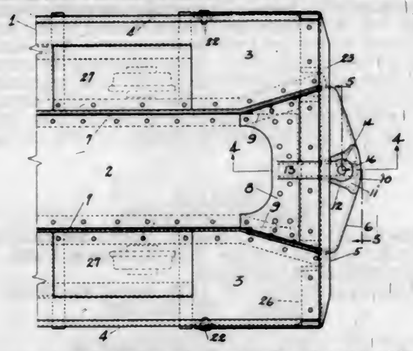
MINE CAR

Frank H. Freshwater, Pittsburgh, Pa., assignor to Pressed Steel Car Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania

Application September 24, 1937, Serial No. 165,475
7 Claims. (Cl. 105—364)

1. In an end dump mine car in combination, spaced Z-bar sills having vertical webs and opposing bottom flanges, said sills adjacent one end of the car diverging toward the sides of the car, a central floor supported by the bottom flanges of said sills and terminating inwardly of the ends of the diverging portions of the sills, side floor sections secured to the upper flanges of said sills and extending outwardly therefrom, an integral cast member disposed between said diverging portions of the sills and provided with a bottom plate

portion secured to said central floor to form an extension thereof beyond said sills, vertical flanges at each side of said bottom plate portion and secured to the webs of said diverging sills, buffing and draft means formed on said extension and



disposed outwardly of the ends of said sills, a gate forming the end wall of the car above said diverging sills and having portions extending between the sills to adjacent the said central floor of the car.

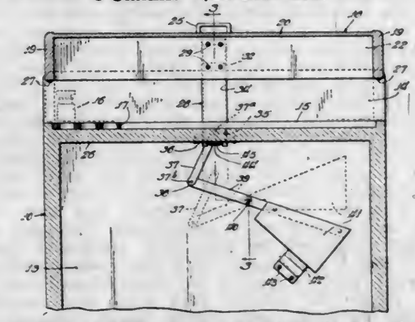
2,242,720

PROFESSIONAL CABINET

George E. Froelich, Two Rivers, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin

Application April 24, 1939, Serial No. 269,645

3 Claims. (Cl. 312—192)



3. In a cabinet of the class described having a working surface, the combination of a bottle tray portion at the rear of said working surface, an inverted box-like cover for the tray portion having a rear wall, a plunger fixed to the rear wall of the cover and extending below said working surface, guide means for the plunger, and a counterbalancing device for said cover and plunger within the cabinet below said working surface whereby the cover may be readily elevated above said bottle tray portion supported solely by said plunger.

2,242,721

METHOD OF MAKING MAGNESIUM

Joseph D. Hanawalt and Ludo K. Frevel, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application August 1, 1940, Serial No. 349,284

3 Claims. (Cl. 75—67)

1. In a method for the carbon reduction of magnesium oxide, wherein a mixture of magnesium vapor and carbon monoxide is produced, and the vapor is cooled to condense magnesium, the step which consists in introducing a dry hydrocarbon gas into the hot magnesium-carbon monoxide mixture to suppress the reverse reaction to magnesium oxide and to convert a substantial amount of magnesium vapor to a carbide of magnesium.

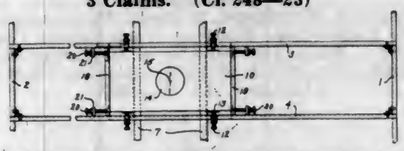
2,242,722

ADJUSTABLE SUPPORT FOR ROTARIES

David L. Henry, Shreveport, La., assignor of one-half to Elige B. Wall, Shreveport, La.

Application January 27, 1939, Serial No. 253,137

3 Claims. (Cl. 248—23)



3. A mounting for adjustably positioning a well drilling rotary over the mouth of a well bore comprising two longitudinal side members, spaced cross members between said side members to form therewith a frame having a rectangular opening to receive the well drilling rotary cooperating means on the cross members and side members for guiding the cross members longitudinally of the opening, means beneath said frame and extending transversely of the side members for supporting a rotary within the opening in the frame, and means on the side members for adjustably securing the rotary in position upon the support means.

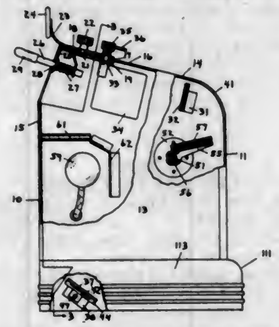
2,242,723

INTERPUPILLARY DISTANCE GAUGE

Frederick W. Jobe, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application March 24, 1939, Serial No. 263,899

4 Claims. (Cl. 88—20)



1. An interpupillary distance gauge comprising a housing having an opening therein, means for positioning the head of a patient before said opening, means for adjusting the position of the head before said opening, a mirror mounted in said housing facing said opening, said housing having a second opening near the top thereof, a scale positioned adjacent the bottom of said housing and facing said second opening, a light divider positioned within said housing substantially equidistant from the eyes of a patient and the scale for combining light rays from the eyes of the patient and the scale and directing them

through the second opening, and a lamp mounted within said housing for illuminating the eyes of the patient and the scale.

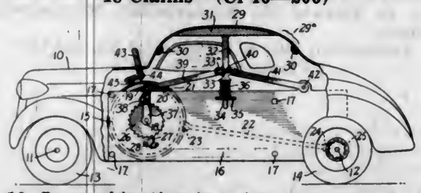
2,242,724

MECHANICAL TOY

William T. Kniesner, Larchmont, N. Y., assignor of one-fourth to Madison Dallas Pickens, Meadville, Pa., and one-fourth to Francis D. Stephens, Washington, D. C.

Application April 17, 1937, Serial No. 137,511

18 Claims. (Cl 46—206)



10. In combination in a toy, motor means including energy storage means, deformable means providing at least partial enclosure of said motor means, and means responsive to deformation of said deformable means for storing energy in said energy storage means.

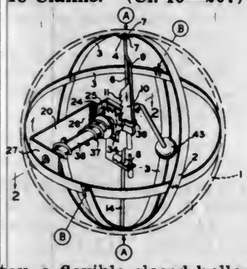
2,242,725

ENERGY STORAGE MECHANISM, AS FOR TOYS

James Smithwick, Asheville, N. C., assignor, by mesne assignments, of one-fourth to Madison Dallas Pickens, Arlington, Va., one-fourth to Francis D. Stephens, Washington, D. C., and one-half to William T. Kniesner, Larchmont, N. Y.

Application July 8, 1938, Serial No. 218,233

18 Claims. (Cl. 46—207)



17. In a toy, a flexible closed hollow body, and motion imparting means within said body and completely enclosed thereby whereby energy may be stored in said motion imparting means through deformation of said body and motion given said body in response to release of energy from said motion imparting means.

2,242,726

FISHING LURE

Victor William Leusch, South Bend, Ind., assignor to South Bend Bait Company, South Bend, Ind., a corporation of Indiana

Application August 12, 1940, Serial No. 352,218

3 Claims. (Cl. 43—46)

1. A fishing lure comprising a body having a bore therein open at one end, a pocket intersecting said bore, a shallow depression surrounding the open end of said bore and a deep restricted recess communicating with said depression, a hook extending into said pocket and having an eye, an elongated member in said bore passing through the hook eye, a water reactance member having a base seating snugly in said depression, a lug projecting from said base for hooked engagement in said recess, and a securing member spaced from and cooperating with said lug for securing said member to said body.



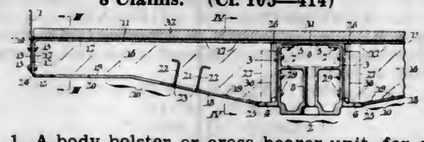
2,242,727

WELDED BOLSTER AND CROSS-BEARER CONSTRUCTION

Wendel J. Meyer, Philadelphia, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania

Application December 22, 1939, Serial No. 310,485

8 Claims. (Cl. 105—414)



1. A body bolster or cross-bearer unit, for car underframing including a center sill embodying lower flanking flanges and side sills having depending spaced gussets longitudinally aligned with and seam welded to such side sills, said unit comprising a vertical web plate, transversely-related plates line-welded to the upper and lower lengthwise edges of said web plate, one of the transverse plates having an extension bent into lapping engagement against and similarly secured to the web plate end edge, said extension also abutting the confronting side sill gusset, a seam weld uniting such extension to the registering edge of the other transverse plate, a seam weld uniting the lower transverse plate other end edge to the adjoining center sill flanking flange, and means for attaching said unit to the side sill gusset and the center sill.

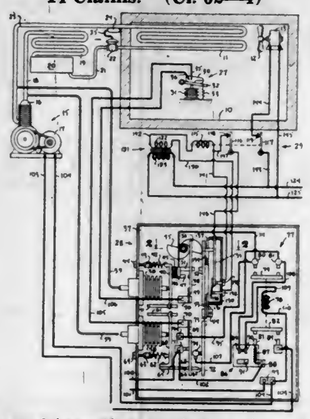
2,242,728

CONTROL SYSTEM FOR REFRIGERATING APPARATUS

Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application March 17, 1938, Serial No. 196,452

14 Claims. (Cl. 62—4)



1. In a refrigeration control system, the combination of, a device responsive to changes in the value of a condition indicative of a need for

refrigeration and moved in accordance with such changes, a first switch including a movable contact operated by said device and a relatively stationary contact arm to be engaged by the movable contact, a stop for the contact arm, means for biasing the contact arm into engagement with the stop and toward said movable contact whereby the first switch is opened and closed upon movement of said condition responsive device, a second switch including relatively movable contact operating members carrying contacts, means for biasing one of the contact operating members into engagement with the contact arm and the other contact operating member into engagement with the stop whereupon movement of the contact arm with respect to the stop causes opening and closing of the second switch.

2,242,729

THERMOPLASTIC STIFFENER

Roy S. Ritchie, Newark, N. J., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application April 22, 1939, Serial No. 269,467

4 Claims. (Cl. 36—77)

1. A thermoplastic sheet suitable for making box toes and the like consisting essentially of an absorbent flexible fibrous base and, as an indurative therefor, a composition fusible below 150° C. which is viscous and highly adhesive when warm, and tough, non-tacky and substantially non-powdering at room temperature, the said indurative consisting essentially of between about 8.5 and 30 per cent of a cellulose ether, between 3 and 18.5 per cent of a softening plasticizer for the cellulose ether and from 60 to 87.5 per cent by weight of a fusible non-setting resin compatible in the molten state with the cellulose ether, the said resin being selected from the group consisting of the natural resins and their chemically modified resinous derivatives.

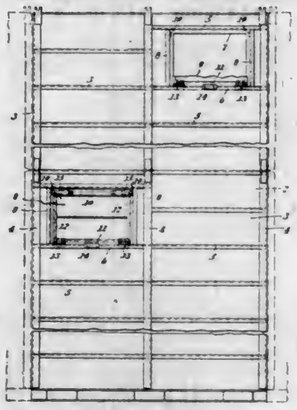
2,242,730

FORM FOR CONCRETE

Louis J. Sarosdy, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey

Application September 16, 1939, Serial No. 295,304

14 Claims. (Cl. 25—131.5)



1. A concrete form comprising a sheet metal plate having an opening therein, a closure for said opening constituting a part of the surface of the form comprising a panel of the same thickness as said metal plate, and structural reinforcing members around the edges of said panel and having flange portions that project beyond the edges of said panel and overlap the edges of the said plate when the closure is in position and which seal the crack between the panel and the plate.

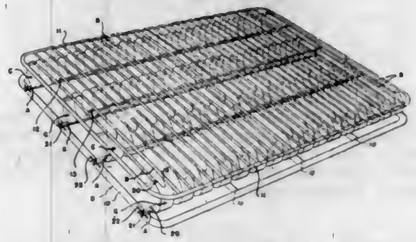
2,242,731

SPRING STRUCTURE

Everett S. Tallmadge, Robbinsdale, Minn., assignor to Edward W. Schlappritzi, Minneapolis, Minn.

Application July 8, 1940, Serial No. 344,443

4 Claims. (Cl. 5—247)



1. A spring structure having upper and lower substantially horizontal members, and upright substantially C-shaped springs between and fastened to the opposed horizontal faces of said members intermediate the ends thereof, the points of attachment between the lower ends of the springs and the lower horizontal member being offset laterally to one side of the vertical or normal plane through the points of attachment between the upper ends of the springs and the upper horizontal member, a supporting frame for the spring structure, and bolt and slot connections between the lower horizontal member and supporting frame adjustable to vary the amount of offset aforesaid.

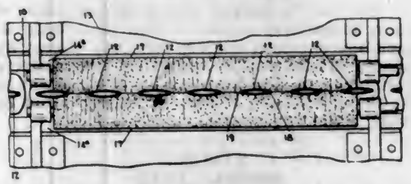
2,242,732

APPARATUS FOR MAKING DIPPED GOODS

Rudolf H. Ulrich, Akron, Ohio

Application April 20, 1939, Serial No. 268,918

2 Claims. (Cl. 18—2)



1. Apparatus for rolling beads or rings on the mouths of dipped rubber articles, comprising a pair of inclined rotary brushes, rotating in substantially tangential relation with each other, and in opposite directions, one or more forms on which rubber may be deposited by dipping, said forms being flattened at their lower end portions whereby they may be passed edgewise between said brushes to cause said brushes to shape themselves about and conform to the shape of the flattened portions of the end portions of the forms, and means for passing said forms edgewise between said brushes.

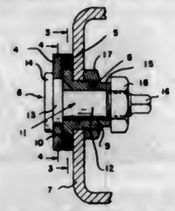
2,242,733

BRAKE

Owen M. Whitten, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Application November 27, 1939, Serial No. 306,404

7 Claims. (Cl. 188—79.5)



1. A brake, comprising a brake drum, a friction device within said drum and an adjustable anchor for centering said friction device with respect to said brake drum, said anchor comprising a rotatably adjustable eccentric, a second eccentric rotatably adjustably mounted on said first mentioned eccentric, and means for securing said eccentrics in their relative positions of rotative adjustment.

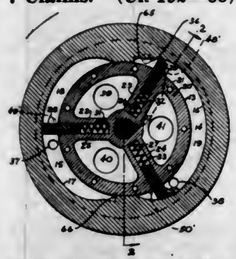
2,242,734

HYDRAULIC CLUTCH

Austin C. Whittlesey, Pasadena, Calif.

Application January 8, 1940, Serial No. 312,955

7 Claims. (Cl. 192—58)



1. A hydraulic clutch comprising the combination of a rotatable casing having a ring with a plurality of circumferentially spaced eccentric grooves on the inner side thereof forming the outer walls of pump chambers, a rotor ring inside of said casing ring, the periphery of said rotor ring forming the inner wall of said pump chambers, a plurality of vanes on said rotor ring for said chambers, a disc fixed at each side of said rotor ring, said discs embracing said casing ring and forming the side walls of said pump chambers, inlet ports for said chambers in one of said discs, outlet ports for said chambers in the other of said discs, and means for controlling the discharge from said outlet ports.

2,242,735

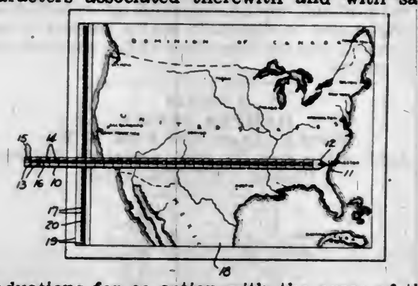
LOCATION INDICATOR FOR MAPS

David Widess, Pasadena, Calif.

Application October 21, 1940, Serial No. 361,999

5 Claims. (Cl. 33—76)

4. In a location indicator for maps having key index character bearing areas arranged in row formation along the length of guide lines extending in parallelism along a side border of the map, an elongated rectilinear member having an indicating extremity and transverse graduations spaced to correspond with the spacing of the guide lines on the map for alinement therewith to establish a squared and longitudinally adjusted position of the member with respect to the map; the member having means and key index characters associated therewith and with said



graduations for co-action with the areas of the map in establishing a transversely adjusted position of the member when one of the areas is centered in one of said openings.

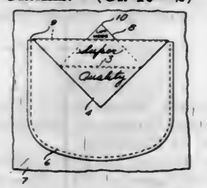
2,242,736

OVERALL TICKET

Marjorie C. Wilder, New York, and Claude B. Ramsay, Forest Hills, N. Y., assignors to J. C. Penney Company, Inc., a corporation of Delaware

Application September 18, 1940, Serial No. 357,258

5 Claims. (Cl. 40—2)



1. In combination, a garment having a pocket, and a paper tag therefor folded upon a substantially median transverse line and forming two sections, one of the sections being again folded back upon a line intermediate its outer end and the first line of fold and at least in part nearer to the latter, the tag being applied to the pocket with one of the lines of fold on the top edge of the pocket and the other line of fold in the pocket and providing one outer depending flap and one inner upstanding flap a portion of which is exposed above the pocket edge, the overall width of the tag at the first line of fold being substantially that of the inside of the pocket.

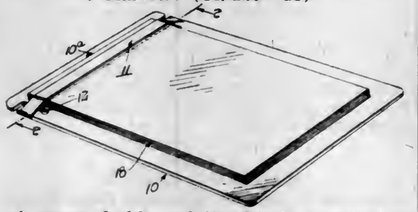
2,242,737

PAPER HOLDING BOARD

Torris H. Alfreds, Park Ridge, Ill.

Application June 6, 1940, Serial No. 339,103

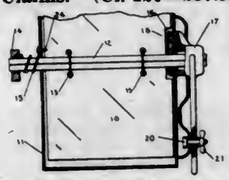
7 Claims. (Cl. 129—18)



1. A paper holder of the kind described embodying therein a rectangular body of relatively rigid sheet material having upper and lower sur-

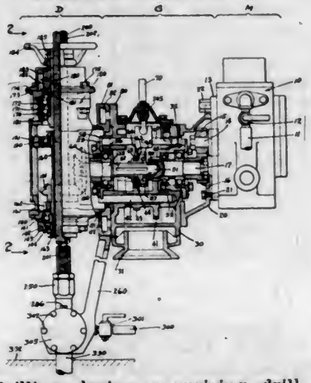
faces and a relatively wide elastic element, means at opposite margins of the body about which parts of said elastic element pass to dispose a minor portion of said element on one face only of each of said opposite margins whereby feet are provided and to dispose a major portion of said element across the other face of the body between said means.

2,242,738
DAMPER DEVICE
David E. Alton, New York, N. Y.
Application April 22, 1940, Serial No. 330,890
7 Claims. (Cl. 126—287.5)



1. A handle device for dampers comprising a coupling member having a shoulder integral therewith, a handle portion adapted to receive said shoulder, said handle portion and coupling member having aligned openings which register with each other, a fusible plug member engaging said openings and adapted to hold said handle portion and coupling member rotationally rigid, said coupling member being adapted to rotate relative to said handle portion and close the damper when the fusible plug is caused to melt.

2,242,739
DRILL
Olof B. Anderson, Minneapolis, Minn., assignor to E. J. Longyear Company, Minneapolis, Minn., a corporation of Delaware
Application August 15, 1939, Serial No. 290,311
8 Claims. (Cl. 255—46)



1. A drilling device comprising drill spindle means having a feed screw means thereon, motor means for driving the spindle means in either direction, feed nut means, hand means connected with the feed nut for rotating the feed nut by hand and disconnectable drive means for rotating the feed nut means from the spindle means during drilling.

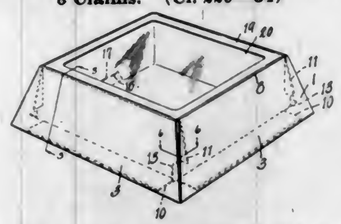
2,242,740
MAGAZINE BINDER
Herman T. Arends, Highland Park, Mich.
Application August 7, 1940, Serial No. 351,659
1 Claim. (Cl. 281—36)

A binder for magazines or the like consisting of covers and a back portion permanently hinged thereto, said back portion consisting of stiff members, one overlying and somewhat shorter than the other, the said members being fixed together at their lateral edges, with the shorter one innermost with respect to the combined device, a fabric hinge piece overlying said mem-



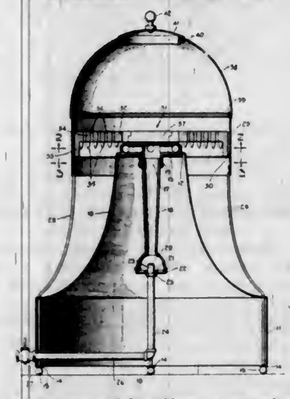
bers and secured thereto and having its lateral edges fixed to said covers and a fabric cover sheet extending over the covers and fixed to said back members in such fashion as to allow access to the end of said short member and permit the passage of cords and the like lengthwise between the back members.

2,242,741
CARTON
William J. Betts and Frank H. Stowitts, Battle Creek, Mich., assignors to Michigan Carton Company, Battle Creek, Mich., a corporation of Michigan
Application March 30, 1939, Serial No. 265,008
8 Claims. (Cl. 229—34)



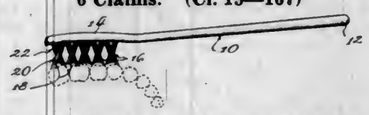
1. A paperboard carton comprising a polygonal bottom, outer walls extending from the edges of the bottom and narrowing to their free edges whereby when the carton is set up with the ends of the side walls substantially coinciding, the outer walls form a frustum of a pyramid, substantially rectangular inner walls extending from the free edges of the outer walls with their top edges coinciding with said free edges, flaps extending from the ends of the outer walls to which said inner walls are fastened and adapted to lie between the inner and outer walls of the carton, spacers extending from the free edges of the inner walls and folded to lie along the bottom of the carton to space the inner walls from the outer walls, one inner wall having triangular tabs at both ends thereof and adjacent the top edge thereof, said triangular tabs having their outer edges sloping outwardly from the top edge of the inner wall at an angle substantially equal to the angle of the slope of the outer walls in the set up carton, said triangular tabs terminating at a distance from the free edge of said inner walls, the next adjacent inner wall having tabs at its ends adjacent its free edge one of which is positioned to extend under and engage one of said triangular tabs when the carton is set up, each other inner wall having at one end a triangular extension substantially identical with the aforesaid triangular extension and at the other end a tab substantially identical with the aforesaid second mentioned tabs, said triangular tabs and second mentioned tabs being disposed alternately for engagement each with the opposite form of tab on the next adjacent inner wall.

2,242,742
SPACE HEATER
Stephen N. Bobo, New York, N. Y., assignor to Robert P. Sniffen, New York, N. Y.
Application November 22, 1939, Serial No. 305,602
5 Claims. (Cl. 126—92)



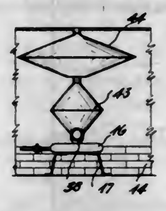
1. In an improved heating apparatus, the combination of a heat reflecting element of substantially frustro-conical form and having its surface generated by the revolution of a parabola about an axis of rotation, an opening formed in the apex of the heat reflecting element, a shelf formed of the material of the heat reflecting element and about the periphery of the opening therein, a gaseous fuel burner mounted on such shelf, means for supplying gaseous fuel to the burner, said burner constructed to eject gaseous fuel radially outward from the burner, a heat radiating member of non-combustible material mounted about the burner and provided with a plurality of downwardly extending glow points, said non-combustible element directing heat from the glow points downwardly onto the parabolic heat reflecting surface.

2,242,743
TOOTHBRUSH
Donovan W. Brown, Huntington, Ind., assignor of one-half to Joseph T. McCarthy, Chicago, Ill.
Application May 15, 1939, Serial No. 273,619
6 Claims. (Cl. 15—167)



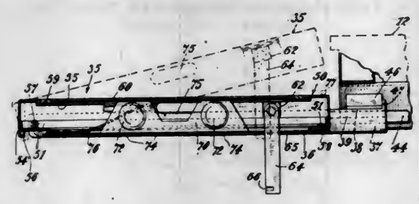
1. A toothbrush comprising handle and head portions, parallel rows of bristle tufts secured to said head portion and projecting outwardly therefrom, the tufts in one of said rows being secured to the head portion at an acute angle with respect to said handle portion, and the tufts in another row being secured to said head portion at an obtuse angle with respect to said handle, and the outer end of each of said bristle tufts being beveled inwardly in a direction opposite to the direction in which the tuft slopes at an angle such that the working surface is at an acute angle with respect to a plane passing along the outer extremities of the tufts.

2,242,744
BOILER
George A. Close, Bay City, Mich.
Application August 19, 1938, Serial No. 225,668
1 Claim. (Cl. 122—503)



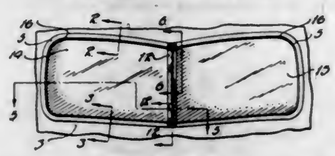
A boiler furnace comprising means forming a water firebox having a burner therein, a fluid vessel located in said chamber and comprising two superimposed communicating members each formed by a pair of cone-shaped elements with their large open ends secured together to form a leak-proof unit the upper member being of larger diameter than the lower member, said vessel being located centrally above the burner so that the burner flame impinges on the flaring side walls of the lower member, thence onto the side walls of the upper member, an upwardly arched pipe spanning the furnace and establishing communication between the side walls of the firebox and the lower end of said vessel, and means at the upper end of said vessel for establishing communication between said vessel and the top of said firebox.

2,242,745
DESK OR TABLE
Ralph C. Coxhead, New York, N. Y., assignor to Ralph Coxhead Corporation, New York, N. Y., a corporation of Delaware
Application May 21, 1938, Serial No. 209,211
3 Claims. (Cl. 45—7)



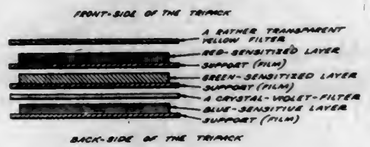
1. A device of the character described, comprising a table, said table having a slidable drawer intermediate the ends thereof, said drawer being composed partially of a tray, and a cover for said tray, said cover having depending side walls of greater height than the side walls of said tray, said cover walls fitting closely in the tray walls whereby the cover extends substantially completely across the top of the tray, said cover being hinged to the forward end of said tray so that the position of said cover can be adjusted from a horizontal position to an angular position, lateral extensions on the side walls of said tray, and means in said table cooperating with said extensions to support said tray and cover in any position of the cover and to prevent substantial tipping of the tray when the cover is in an angular position, the lateral extensions on the side walls of the tray being extended beyond the inner boundary of the cover to support the drawer with the cover elevated beyond the front of the table.

2,242,746
AUTOMOBILE BODY WINDOW ASSEMBLY
Roy H. Dean, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application May 6, 1940, Serial No. 333,571
4 Claims. (Cl. 296—84)



1. In an automobile body, the combination of an outer panel provided with a flange surrounding a window opening, an inner stamping forming a window seat and a flange to match the first mentioned flange and surround the window opening, a Z cross section weathersealing strip having inner and outer clefts with the outer cleft fitting over the mating flanges, a reveal molding fitting over the weatherstrip and hooking into the inner cleft of said sealing strip, a glass panel, a rubber channel member fitting into the said seat formed by the inner stamping and straddling the edge of said glass panel and a garnish molding for forcing the glass panel and the rubber channel strip firmly against the sealing strip and the reveal molding, the two strips contacting face to face.

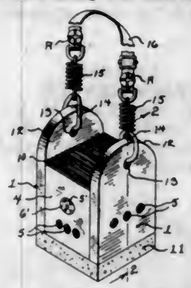
2,242,747
TRIPACK FOR PRODUCING PHOTOGRAPHIC PICTURES
Walter Frankenburger, Habana, Cuba, Max Herbst, Mannheim-Rheinau, and Hermann Schulz, Heidelberg, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application January 11, 1939, Serial No. 250,360
In Germany January 19, 1938
7 Claims. (Cl. 95—2)



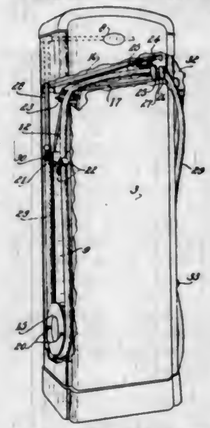
1. A tri-pack for producing photographic pictures which comprises a support, three silver halide gelatin emulsion layers superimposed one upon the other, the top layer being sensitive to red, the second layer being sensitive to green, the bottom layer being sensitive to blue, and means arranged between said second layer and said bottom layer and adapted to absorb at least 60 per cent of the light having wave length 500 mμ and a still greater percentage of light of longer wave length than this.

2,242,748
WALKING BLOCK
Ronald M. Fulwiler, Marshfield, Wis.
Application May 5, 1939, Serial No. 271,991
1 Claim. (Cl. 272—70)

A toy walking stilt comprising, a rectangular, hollow block having opposite side walls extending upwardly from the top of the block to form shoe guides, said guides being provided with apertures, coil spring sections mounted in the ear apertures, and a yoke connecting the coil springs for maintaining the block in contact with the shoe of the operator.

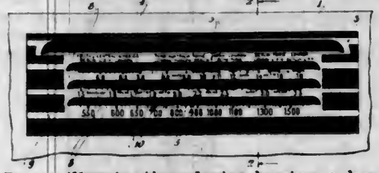


2,242,749
GASOLINE HOSE AND HOSE HANDLING APPARATUS
Stanley C. Hope, Guilford, Conn., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application October 23, 1940, Serial No. 362,456
1 Claim. (Cl. 299—77)



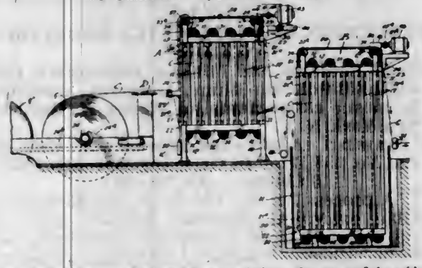
Gasoline hose and hose handling apparatus for the purpose described comprising in combination, a display casing, a liquid supply means therein, a long hose connected at one end to said means, the hose extending from such connection downwardly and upwardly into a single loop wholly inside the casing, a weighted sheave tending to maintain such loop to contain a predetermined portion of the hose length in this one loop inside the casing, partition walls inside the casing and adjacent one side thereof and parallel to said side forming an interior well in which said loop is maintained, the well being small compared to the casing, upper and lower stops in said well to give predetermined limits to the pulling out and retracting movements of said loop, said hose extending from the top of said well upwardly and across interiorly of the casing to and through an upper hose opening in the casing wall remote from the well, an underlying trough for said hose traverse from the top of the well and an overlying hood therefor, anti-friction means to guide the hose in the casing to and through said opening, the hose being long enough when said weight is at the bottom of the well to extend into an outside loop substantially the height of the casing and long enough to serve all normal hose dispensing operations the range of which is displayed by the length of said outside loop, the said inside loop normally being kept its full length and hidden in said well but available by pulling against the weighted sheave to extend the normal outside hose length enough from the inside loop to compensate for a margin of error of a few feet in the normal extreme range of the outside hose portion, said stops to movement of the inside loop and its short length for extension and retraction restricting the amount of necessary retracting force of the weighted sheave to make the work of extension as easy as possible.

2,242,750
ILLUMINATING DEVICE
Nelson L. Jacobus, Hempstead, N. Y., assignor to The Electro Chemical Engraving Company, New York, N. Y., a corporation of New York
Application May 3, 1940, Serial No. 333,091
4 Claims. (Cl. 240—2.1)



1. In an illuminating device having a housing provided with a light source, an indication panel shielding the light source, said panel having a plurality of outwardly projecting louvers, and a plurality of sections of uniform color, on its outer face, to be illuminated, the inner faces of which louvers are exposed to the light source and constitute differently colored light-reflecting surfaces that illuminate the plurality of uniformly colored sections on the outer face of the panel.

2,242,751
ACCUMULATOR
Owen D. McFarland, Chicago, Ill., assignor to Roofing Machinery Mfg. Co., Chicago, Ill., a corporation of Illinois
Application February 29, 1940, Serial No. 321,591
20 Claims. (Cl. 271—2.2)



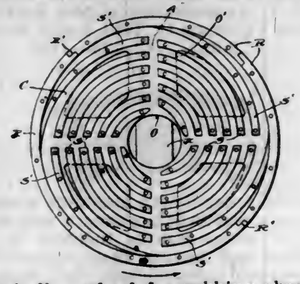
1. An accumulator comprising in combination two series of companion rollers about which a web may be threaded in a circuitous path from a feed-in end to an outgoing end, connected, oppositely movable supports for the companion rollers of the two series, said supports having free and unobstructed movement along their length whereby excessive strain on said web serves to move the two series of rollers toward each other, and means, operating when excessive strain is released, for reversing the direction of movement of said supports whereby to force the two series of rollers apart.

2,242,752
SHAVING APPARATUS
Frederick Meyer, Union, N. J., assignor to Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey
Application May 4, 1938, Serial No. 205,886
1 Claim. (Cl. 30—43)



Shaving mechanism comprising a guard of thin sheet material adapted to have one of its surfaces pressed against the skin to be shaved, said guard being arcuately curved in at least one dimension and being formed with numerous small circular perforations for admitting hairs, and a cutter member for engaging the opposite surface of said guard, means for supporting and angularly moving said cutter member over said latter surface, said cutter member comprising a sheet metal strip having an edge of substantial thickness bearing against said latter surface and said strip extending in a plane substantially normal to the various portions of said latter surface as same come into contact therewith, the sides of said strip being both formed with a groove of substantially arcuate cross section along said edge, one side of each of said grooves terminating at said edge and forming a relatively sharp acute angle with the surface comprising said edge.

2,242,753
STONE GRINDING OR POLISHING WHEEL
William Milne, Barre, Vt.
Application July 24, 1940, Serial No. 347,267
5 Claims. (Cl. 51—209)



1. A grinding wheel for rubbing abrasive material over stone comprising a cover, a plurality of sets of scrolls depending from the cover, and a ring depending from the cover around said sets of scrolls, the scrolls and ring having approximately the same depth, the outermost scrolls of certain of said sets having inner faces which incline toward the center of the wheel from their leading to their trailing ends and having leading ends which are tapered to edges which are close enough to the ring to prevent abrasive material to pass between the edges and said ring, whereby abrasive material which is thrown outwardly by the scrolls is caught by said ring and returned toward the center of the wheel by said tapered inclined outermost scrolls.

2,242,754

SOLUTION FOR DESENSITIZING METAL PLATES USED IN THE LITHOGRAPHIC ART

William N. Misuraca, Merrick, N. Y.

No Drawing. Application March 5, 1938, Serial No. 194,075
2 Claims. (Cl. 101—149)

1. A process of desensitizing the non-printing portions of the surface of a metal lithographic plate, which consists of treating the image bearing surface of the plate with an aqueous solution of gum arabic and chrome alum.

2,242,755

ACOUSTIC DEVICE

Thomas J. Pope, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 11, 1939, Serial No. 255,817
8 Claims. (Cl. 179—110)



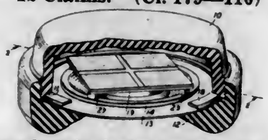
1. A piezoelectric device comprising a vibratory member, a piezoelectric element including a pair of piezoelectric crystals secured together in face-to-face relation and having their axes orientated so that diagonally opposite points of said element move in the same direction in response to electrostatic forces produced therein, two diagonally opposite points of said element being connected to said vibratory member, and means fixing said element against deflection along a line passing through two other diagonally opposite corners.

2,242,756

PIEZOELECTRIC DEVICE

Thomas J. Pope, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 11, 1939, Serial No. 255,818
12 Claims. (Cl. 179—110)



1. A piezoelectric device including a composite piezoelectric element comprising a pair of polygonal crystal plates secured together in face to face relation and having their corners free to deflect, sectional electrodes on each face of said plates oriented and electrically grouped so that all corners of said element will deflect in the same direction in response to potentials applied to said electrodes, and energy translating means connected to said element at spaced points on diagonals thereof.

2,242,757

PIEZOELECTRIC DEVICE

Frank F. Romanow, Berkley Heights, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 11, 1939, Serial No. 255,826
13 Claims. (Cl. 179—110)

1. An acoustic device comprising a diaphragm, and means for actuating said diaphragm including a pair of similar rectangular piezoelectric elements spaced from one another in face-to-face relation, each of said elements including a pair of



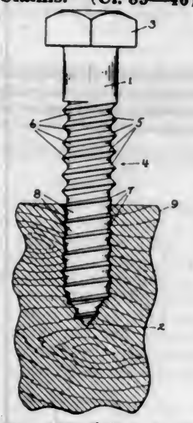
crystal plates secured together in face-to-face relation and having diagonal axes of expansion and contraction, and said elements being oriented so that the axes of similar deflection of one are at an angle to the corresponding axis of the other.

2,242,758

LAG SCREW

Michael Ruggieri, Stroudsburg, Pa., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware

Application March 25, 1940, Serial No. 325,717
4 Claims. (Cl. 85—46)



1. A lag screw comprising a drive head, a tapered body portion, a piercing point, said body portion being provided with a gimlet and fetter type thread, and said point being provided with a gimlet type thread, said threads forming a continuous helix on said screw.

2,242,759

REDUCTION OF DIFFICULTLY REDUCIBLE OXIDES

Helmut Schlecht and Michael Jahrstorfer, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Walter H. Duisberg, New York, N. Y.

No Drawing. Application February 25, 1939, Serial No. 258,572. In Germany March 2, 1938
6 Claims. (Cl. 75—84)

1. A process for the reduction of difficultly reducible oxides of elements selected from the group consisting of chromium, beryllium, aluminum, silicon, titanium, thorium, vanadium, niobium, tantalum, molybdenum, tungsten, uranium and manganese, which comprises intimately admixing said oxides with carbon and subjecting the mixture in the solid state to a heat-treatment at a temperature of from about 800 to 1600° C. with elementary hydrogen while working under reduced pressure and maintaining the solid state of said oxides during the heat treatment while selecting a temperature below the point at which the metal of the selected oxide distills.

2,242,760

ORGANIC DYESTUFFS AND PROCESS OF PRODUCING SAME

Conrad Schoeller, Gustav Schwen, and Georg Kraemer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application February 25, 1938, Serial No. 192,504. In Germany November 5, 1936
18 Claims. (Cl. 260—377)

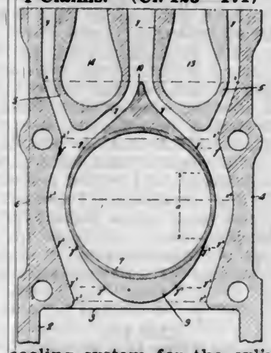
11. Dyestuffs suitable for dyeing acetate artificial silk corresponding to the general formula $A—(Z—(C_2H_4—O)_m—C_2H_4—OH)_n$ (wherein A represents an anthraquinone radical, Z a member selected from the class consisting of the groups —CO—NH— and —NH—, and wherein m and n represent whole numbers from 1 to 4), the said dyestuffs containing at least one amino group in alpha-position.

2,242,761

COOLING DEVICE FOR INTERNAL COMBUSTION ENGINES

Wilhelm Seyerle, Waldenbronn, near Esslingen-on-the-Neckar, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany

Application May 14, 1936, Serial No. 79,684
In Germany May 16, 1935
4 Claims. (Cl. 123—171)



1. In a cooling system for the cylinder of an internal combustion engine, the combination comprising a cylinder adapted to be cooled by a fluid flowing about it, a solid mound of metal positioned before the cylinder in the direction of flow of and in direct contact with the fluid, which has a cross-sectional form, as seen in a plane lying substantially perpendicular to the cylinder axis, as would be formed by the dammed portion of a cooling means freely flowing against the round cylinder form and there being dammed, and a further solid mound of metal positioned behind the cylinder in direct contact with the fluid, which has a cross-sectional form, as seen in a plane lying substantially perpendicular to the cylinder axis, in the shape of a turbulence wake as would be formed by the turbulence wake of a cooling fluid freely flowing away from the round cylinder form.

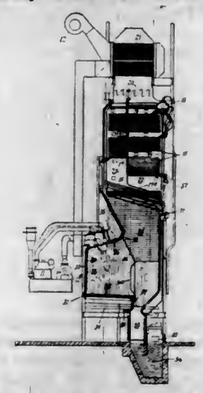
2,242,762

FURNACE

Rolfe Shellenberger, Westfield, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application April 16, 1937, Serial No. 137,158
Renewed July 13, 1939
23 Claims. (Cl. 122—235)

22. A steam generator unit comprising a furnace chamber having a high temperature section and a low temperature section laterally adjoining said high temperature section, a steam boiler receiving furnace gases from said low temperature section, a sloping floor for said high temperature section constructed to support a layer of molten slag, heat absorbing means lining the boundary surfaces of said high temperature section and proportioned to maintain a normal mean temperature therein above the fuel ash fusion temperature, said heat absorbing means including a row of water tubes extending along said high temperature section floor and a group of vertically disposed water tubes extending upwardly from the lower end of said



floor and arranged to form a fluid cooled screen having transversely spaced gas flow passages therein for furnace gas flow between said sections, means for introducing finely divided solid fuel into said high temperature section and burning the same in suspension therein at temperatures above the fuel ash fusion temperature, a transversely extending header below the lower end of said floor and directly connected to the lower ends of said floor and screen tubes, said header and tube connections thereto being arranged to minimize relative movement of said floor and screen tubes adjacent the floor level, and means for connecting said header into the circulation system of said steam boiler.

2,242,763

PROCESS FOR CALCINING COPPERAS

Benjamin A. Smith, Rocky River, Ohio, assignor to The C. O. Bartlett & Snow Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application September 3, 1938, Serial No. 228,404
1 Claim. (Cl. 23—177)

A process of treating copperas to obtain gases suitable for use in the production of sulphuric acid, comprising partially dehydrating copperas and completely calcining the same substantially entirely, by subjecting it directly to the radiant heat and gases derived from the flash combustion of pyrites fines.

2,242,764

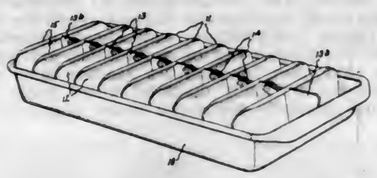
FREEZING TRAY

Carl H. Steenstrup, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 24, 1939, Serial No. 300,957
4 Claims. (Cl. 62—108.5)

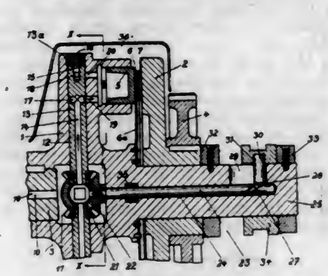
1. In combination, a freezing tray and a re-

movable partition assembly arranged to cooperate therewith to form a plurality of ice block compartments, said partition assembly including at least one pair of transverse partition elements spaced apart longitudinally of said tray, and a link connecting the elements of said pair of elements above the normal level of ice in said tray



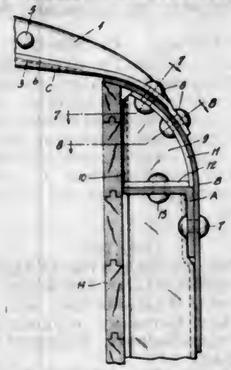
and affording relative movement therebetween, said link being arranged to force said elements apart a limited distance longitudinally of said tray when one of said elements of said pair is moved outwardly from said tray with respect to the other element of said pair to facilitate the breaking of a frozen bond between said tray and an ice block formed adjacent said one element.

2,242,765
COUPLING
Wolfgang Stein, Dessau, Germany, assignor to Junkers Flugzeug-und-Motorenwerke A. G., Dessau, Germany, a corporation of Germany
Application April 15, 1939, Serial No. 268,068
In Germany April 16, 1938
11 Claims. (Cl. 192—85)



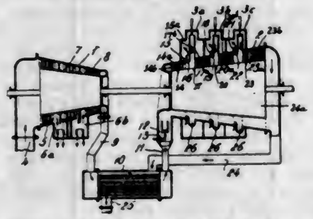
1. A frictional coupling, comprising a rotary driving body, a rotary driven body, means connected with said bodies and having frictional surfaces adapted to engage each other to frictionally interconnect said bodies, one of said bodies having a chamber formed therein, a piston reciprocable within said chamber and engaging said means to bring said frictional surfaces into engagement with each other and to interrupt this engagement, a radially extending rotary valve carried by the last-mentioned body and having a passage formed therein for transmitting an operating liquid toward said chamber, another passage formed therein for transmitting said liquid from said chamber, said passages extending in the direction of said valve, said liquid actuating said piston in said chamber, the first-mentioned passage communicating with the source of said operating liquid, said valve having other passages formed therein connecting either one of the two first-mentioned passages with said chamber in a predetermined position of said valve, and means connected with said valve for turning the same.

2,242,766
CAR ROOF
Gustav P. Torburn, Oakland, Calif., assignor to Standard Railway Equipment Manufacturing Company, New Kensington, Pa., a corporation of Delaware
Application May 24, 1939, Serial No. 275,336
9 Claims. (Cl. 105—409)



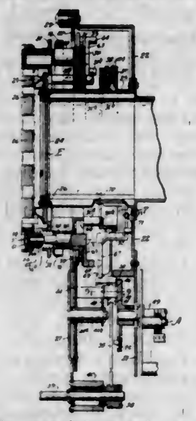
1. A car roof construction comprising eaves sheets secured to the outer faces of the car side frames and curved inwardly and upwardly over and spaced above the tops of said side frames, and roof sheets spanning from eaves sheet to eaves sheet with their eaves end portions sustained by, curved in conformity with and riveted to the curved portions of said eaves sheets, said roof sheets having upstanding flanges along their adjacent side margins that are rigidly secured together to function as outside carlines with their end portions terminating outwardly of the inner margins of said curved portions of said eaves sheets and inwardly of the outer faces of said side frames, and inside linings for said side frames extending above the tops of said side frames to the overhanging portion of said eaves sheets to close the vertical spaces therebetween.

2,242,767
GAS TURBINE PLANT
Walter Traupel, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application April 5, 1939, Serial No. 266,229
In Switzerland April 7, 1938
6 Claims. (Cl. 60—41)



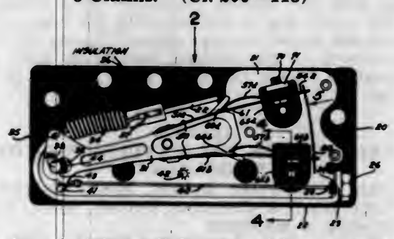
1. A multi-stage gas turbine which comprises a casing, a plurality of stages within the casing, the adjacent stages being arranged close to each other in the axial direction, an intermediate reheater between the adjacent stages, means for passing a part of the gas from one stage to the intermediate reheater, conduit means to conduct the gases from the reheater to the next stage, and a passage within the casing for passing another part of the gas directly to the said next stage, said passage being arranged in the axial direction of the turbine thereby effectively avoiding changes in direction of the gas flow.

2,242,768
TUNER FOR RADIO RECEIVING SETS
Albert S. Wells and Jesse H. Clark, Chicago, Ill., assignors to Wells-Gardner & Company, Chicago, Ill., a corporation of Illinois
Application March 1, 1937, Serial No. 128,378
6 Claims. (Cl. 250—20)



2. In a radio receiving set, a radio tuning element, a dialing member rotatably mounted in the set, a stop, a plurality of buttons yieldably carried by the dialing member, each button being adapted to be depressed by an operator and having a finger adapted to engage the stop only when the button is depressed to stop the rotation of the dialing member, said finger being eccentric to the axis of the button, each button being rotatable about its axis when depressed beyond a given point to permit the dialing member to be turned to tune in a desired station within the limits of movement of the finger, and means for locking the button which in one position prevents the button from being depressed far enough to be rotated into another adjusted position and in another position permits the button to be depressed for this purpose.

2,242,769
SWITCH
Calvin J. Werner, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 17, 1938, Serial No. 190,888
5 Claims. (Cl. 200—113)



1. An electric switch comprising a support carrying two stationary contact stops, a plate pivoted upon the support at a point remote from the stationary contact stops, contact arm members each carrying a contact engageable with a stationary contact stop, spring members each connected with a contact arm member near its contact, each contact arm member and its companion spring member being hingedly connected with the plate at spaced points, one being substantially nearer to the pivot than the other, and the action line of force of each spring member making a relatively small acute angle with the companion contact arm member and lying normally on the side of the arm member on which its companion stationary contact stop is located, the angle between one pair of arm and spring members being less than the angle between the other pair of arm and spring members, means for moving the plate, while the pairs of contacts remain in engagement, in a direction to shift the spring lines of action to the opposite sides of the arms in order to reverse the bias by the springs upon the arms whereby the movable contacts are moved away from said contact stops, the bias by the spring making the lesser acute angle with its contact arm being reversed ahead of the bias by the other spring, whereby one contact arm is moved ahead of the other, a stop for limiting the movement of one of the contact arms away from its companion contact stop and a stop bar supported entirely by the two contact arms and having shoulders which limit the spacing of the contact arms when these arms are separated from their first mentioned contact stops.

2,242,770
FLYING TOY
Alan N. Ayers, Lawrence, Kans.
Application June 26, 1939, Serial No. 281,117
6 Claims. (Cl. 46—83)

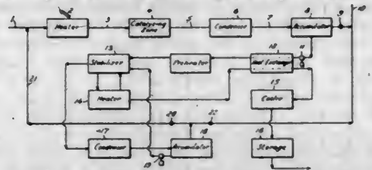


1. A toy of the character described, comprising a handle, a pulley member mounted for rotation on said handle, a winged member, means detachably connecting the same with said pulley member to rotate therewith, a flexible member extending less than a complete turn around said pulley member in driving engagement therewith, and a guide member mounted on said handle and extending closely adjacent said pulley member, said guide member having a pair of closely adjacent guide passages therein and a projecting portion between said passages separating the same.

2,242,771
METHOD OF OPERATING POLYMERIZATION PLANTS
Harold J. Baker, Jr., Flossmoor, Ill., and William Mendius, Munster, Ind., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application June 23, 1937, Serial No. 149,862
4 Claims. (Cl. 196—10)

1. In the production of polymerized olefins wherein a heated gaseous mixture containing a substantial amount of normally gaseous higher olefins is passed at a temperature not substantially in excess of about 550° F. in contact with a catalyst, the product of the catalyzing operation is subjected to a stabilizing operation, and the product of the stabilizing operation is suitably condensed to form a liquid product and a

composite gaseous product lean with respect to its content of higher olefins, the improvement which comprises returning at least a portion consisting of a controlled quantity of said com-



posite lean gaseous product to the catalyzing operation, whereby a predetermined concentration of higher olefins is maintained in the catalyzing operation.

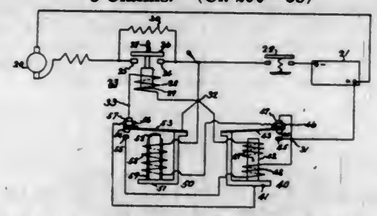
2,242,772

STARTING MOTOR CONTROL SYSTEM

Max G. Bales, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 17, 1940, Serial No. 335,809

3 Claims. (Cl. 290—38)



1. A system of control for engine starting motors comprising a battery, a motor, a resistance unit, and a manually operated switch for initially connecting the motor and battery through the resistance in order to reduce the power of the motor, a normally open resistance-short-circuiting switch operated electromagnetically, two relays respectively for controlling two pairs of contacts in the circuit of the battery and the coil of the resistance short-circuiting switch, one of said relays having a substantial time lag and normally closing said circuit at one point and the other relay normally interrupting said circuit, normally closed contacts provided by the second relay for controlling the armature attracting coil of the first or time-delay relay, normally open contacts provided by the time-delay relay for controlling the armature attracting coil of the second relay, and an armature holding coil provided by the second relay and controlled by the normally open contacts of the second relay.

2,242,773

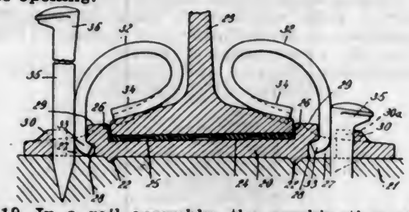
RAIL CUSHIONING AND FASTENING MEANS

William S. Boyce, Denver, Colo., assignor to The Colorado Fuel and Iron Corporation, a corporation

Application September 2, 1939, Serial No. 293,174

19 Claims. (Cl. 238—349)

1. In a rail assembly, the combination with a tie of a tie-plate having a rail seat and an undercut opening adjacent the seat, a rail mounted on the seat, a rail lock disposed in the opening and having a part pivotally locked in the undercut portion of the opening with the lower edge of said part above the bottom of the plate, the lock also having a flexible part integral therewith extending inwardly over said seat and engaging the top of the rail base, said flexible part being distorted upwardly and normally exerting a downward force on the rail, and a member disposed in the opening and secured to the tie in parallel engagement with the outer face of the lock, for holding said pivotal part of the lock against the overhanging part of the undercut of the opening.



19. In a rail assembly, the combination of a tie-plate having a rail seat and an undercut opening adjacent the seat, a rail mounted on the seat, a rail lock disposed in the opening and comprising a strip of spring metal extending through said opening and having its lower end bent into and pivotally locked in the undercut portion of the opening with the lower edge of the strip above the bottom of the plate, the strip extending vertically upwardly from the tie plate and inwardly over the base of the rail and then downwardly and outwardly into contact with the rail base, said rail contacting part being distorted upwardly and normally exerting a downward force on the rail, and a tie-penetrating member wedged in the opening between the lock and the outer edge of the opening in parallel engagement with the outer face of the spring strip for holding said pivotal end of the strip against the overhanging part of the undercut of the opening.

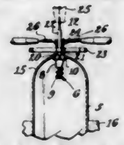
2,242,774

SEAL FOR DISCHARGE LAMPS

John D. Brumley, Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 12, 1938, Serial No. 234,561

5 Claims. (Cl. 49—78)



1. The method of sealing a leading-in wire in a tubular glass vessel which comprises providing an outwardly flaring opening in the wall of said vessel, positioning a leading-in wire having a vitreous bead fused thereto in the opening, disposing a hollow vitreous tubing of preselected mass over the beaded leading-in wire exteriorly of the vessel and in contact with the edge of the outwardly flared portion thereof, fusing the hollow tubing to the beaded leading-in wire, and thereafter fusing the mass thus formed to the vessel.

2,242,775

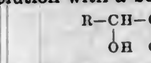
PROCESS FOR THE MANUFACTURE OF HYDANTOINS

William G. Bywater, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application May 15, 1939, Serial No. 273,796

7 Claims. (Cl. 260—309)

1. Process for the preparation of 5,5-diphenyl hydantoins and 5,5-diphenyl thiohydantoins which comprises reacting a salt of a halogen oxy acid and a compound of the class consisting of urea and thiourea in the presence of an alkaline aqueous solution with a benzoin of formula,



where R and R' are members of the group consisting of unsubstituted phenyl radicals and phenyl radicals having a hydrogen thereof replaced by a nonreactive substituent.

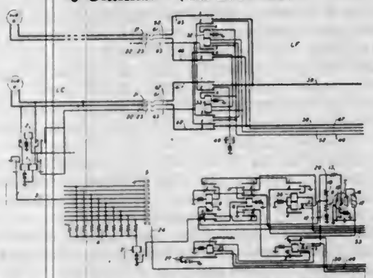
2,242,776

TELEPHONE SYSTEM

John W. Clark, Urbana, and Luther G. Schimpf, Jackson Hights, Ill., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 25, 1939, Serial No. 269,840

9 Claims. (Cl. 179—18)



1. In a telephone system, a plurality of lines, a plurality of line-finder switches accessible to said lines, each of said switches being provided with a driving magnet, an allotter circuit for said switches adapted to be connected to an idle one of said switches, and a gas-filled tube in said allotter circuit operatively responsive to one of said lines when calling for operating the magnet in the line-finder switch to which said allotter circuit is connected.

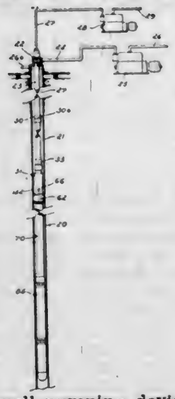
2,242,777

FLUID OPERATED PUMP

Clarence J. Coberly, Los Angeles, Calif., assignor to RoKo Corporation, Reno, Nev., a corporation of Nevada

Application July 29, 1938, Serial No. 221,963

6 Claims. (Cl. 103—5)



1. In a deep well pumping device, the combination of: a high-volume low-pressure fluid operated pump in the lower part of a well; operating fluid tubing extending downwardly in said well and communicating with said pump; production tubing extending downwardly through said well and communicating with said pump; gas tubing extending downwardly through said well and having a port at its lower end communicating with said production tubing at a point adjacent said pump; means for supplying operating fluid through said operating fluid tubing to said pump to actuate said pump to pump a relatively high volume of well fluid at a relatively low pressure from said well into said production tubing to a level above said port; and means for supplying gas under pressure through said gas tubing and said port into said well fluid in said production tubing to raise said well fluid through said production tubing to the upper end thereof.

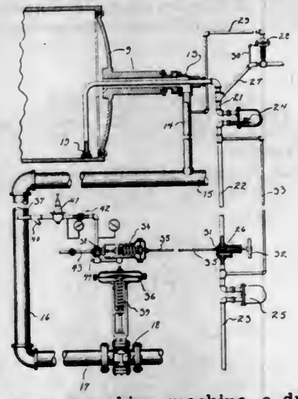
2,242,778

MOISTURE CONTROLLER

Hervey G. Cram, Appleton, Wis., assignor to P. D. Cram, Appleton, Wis.

Application August 15, 1938, Serial No. 225,029

5 Claims. (Cl. 34—48)



5. In a paper-making machine, a drying section including a plurality of drying rolls, means including a delivery pipe for supplying steam to the rolls, a valve in said delivery pipe for controlling the amount of steam flowing through said pipe, a measuring member for receiving water of condensation from at least one of said rolls, means governing the rate of flow of water of condensation from said measuring member, and means for controlling the valve in the steam supply delivery pipe according to the head of water of condensation in said measuring member.

2,242,779

DISHPAN WITH REMOVABLE HANDLES

George G. Erdos, Astoria, Long Island, N. Y.

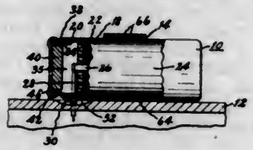
Application September 27, 1939, Serial No. 296,765

17 Claims. (Cl. 53—8)



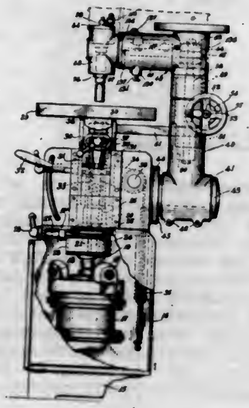
1. In a pot or the like, a substantially radial projection, a removable handle, said handle having a hole therein adapted to receive said radial projection and substantially embrace it on all sides for lifting or supporting the pot or the like.

2,242,780
CONDUCTOR MOUNTING FOR CAPACITOR MOTORS
Alexander M. Georgiev, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 30, 1939, Serial No. 264,887
8 Claims. (Cl. 175—315)



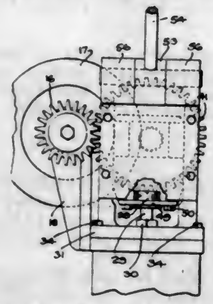
1. In a capacitor motor, means for mounting a capacitance on the frame of a motor comprising in combination, a metallic condenser casing, said casing having extrusions for the passage of insulated leads, a coating of non-conducting material immersing said condenser casing and extrusions, said motor frame providing a recess for reception of the extrusions of the casing, a clamp bracket for maintaining the extrusion of the condenser casing within the frame recess, said bracket being completely covered with non-conducting material.

2,242,781
GRINDING MACHINE
Victor W. Gideon, Chicago, Ill., assignor to Boyar-Schultz Corporation, Chicago, Ill., a corporation of Illinois
Application January 24, 1940, Serial No. 315,366
3 Claims. (Cl. 51—34)



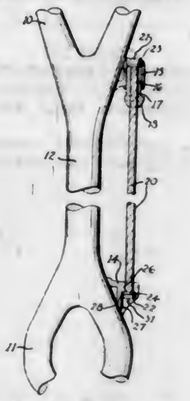
1. In a grinding machine of the character described, the combination of a vertical support, means for securing said support to a stationary base part including means for adjusting said support relative to said base part, a member having a section depending into engagement with said support and rotatably adjustable with respect thereto, means for vertically adjusting said member relative to said support, a spindle, a spindle supporting head, means for mounting said head on said member with the axis of said spindle disposed substantially vertically including means for adjustably moving said head toward and away from said support and for rotatably adjusting said head about a horizontal axis, and means for driving said spindle.

2,242,782
NIBBLING MACHINE
Charles B. Gray, Millbourne, Pa.
Application February 4, 1939, Serial No. 254,530
10 Claims. (Cl. 164—47)



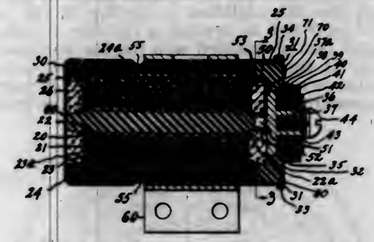
1. In a cutting machine of the character described, in combination, a reciprocable ram, a reciprocating block disposed above and connected to said ram, a rotatably journalled shaft operatively associated with said block and having means for converting rotary motion to said shaft into reciprocatory motion of said block, a second shaft laterally offset from said first-mentioned shaft and adapted to be rotated by a prime mover, and a pair of gears respectively fixed to said shafts and in engagement with each other, the said gears being relatively so arranged as to permit vertical displacement of said first mentioned shaft with respect to said second shaft without effecting disentrainment of said gears.

2,242,783
ELEVATOR LINK AND HANDLE
Herbert E. Grau, Vernon, Calif., assignor to Byron Jackson Co., Vernon, Calif., a corporation of Delaware
Application September 25, 1939, Serial No. 296,429
6 Claims. (Cl. 59—84)



2. A well pipe elevator link comprising a link body having a pair of longitudinally spaced handle sockets; a flexible handle extending between said sockets; means adjustably connecting one end of said handle to the adjacent socket; means on the other socket limiting movement of said handle in the direction of said first socket; and separate means on said other socket limiting movement of said handle in a direction away from said first-named socket.

2,242,784
CONDENSER
Herman L. Hartsell, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 22, 1939, Serial No. 275,006
2 Claims. (Cl. 175—41)



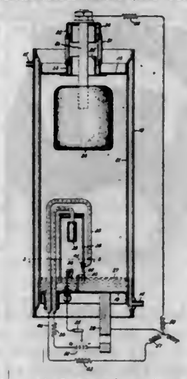
1. An electrical condenser construction especially adapted for wax-impregnation after assembly which comprises the combination of a case having one integral and impervious end, a case end-cover insulatingly supporting a terminal including a metal disc located within the case, a condenser-winding providing a passage through its center for the passage of impregnating wax and having its foil margins overlying the ends of the winding, annular discs of non-conducting resilient cork material located, respectively, adjacent the foil margins, conductors located, respectively, between the foil margins and the annular discs, one of the conductors passing around the outside of the condenser winding and contacting with the condenser case, the other conductor passing around the adjacent resilient annular disc and located between said disc and the adjacent terminal disc carried by the condenser case cover, said cork discs being compressed by the assembling of the cover with the case in order to hold the condenser winding firmly between them and thus prevent endwise movement of the winding within the case, and also hold the conductors firmly against the foil margins and one of them against the insulated terminal disc, both discs being thereafter maintained in compressed condition by the attachment of the cover to the case.

2,242,785
MANUFACTURE OF MAGNESIA CONCRETES
Karl Kammüller, Karlsruhe-Ruppurr, and Robert Scheibe, Oberhausen-Holten, Germany
No Drawing. Application November 23, 1937, Serial No. 176,056. In Germany August 10, 1936
2 Claims. (Cl. 106—29)

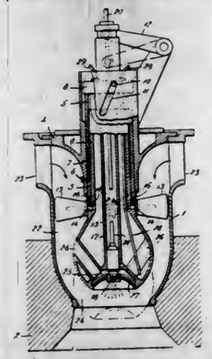
1. The composition comprising a mixture of magnesium chloride, water and a caustic, non-sintered magnesia in approximately molar proportions of 8 moles of magnesium oxide, 1 mole of magnesium chloride and 15 moles of water.

2,242,786
POOL-TYPE DISCHARGE DEVICE
Kenneth H. Kingdon, Schenectady, and Elliott J. Lawton, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application March 30, 1939, Serial No. 264,950
8 Claims. (Cl. 250—27.5)

1. An electric discharge device comprising a main anode, a mercury pool cathode, means for maintaining a holding-arc having a cathode spot on the mercury pool surface, a housing substantially enclosing the discharge path for the holding-arc except for a restricted opening near the cathode surface, at least a portion of the housing surrounding the opening being constituted of insulating material, and a coating of finely divided metal in mutual contact with the said insulating material and with the cathode at its surface, the said metal serving in conjunction with the said insulating material to facilitate the establishment of a separate cathode spot for the main anode upon the application to the anode of a discharge-favoring potential.



2,242,787
FUEL BURNING DEVICE
Arthur Lieberherr, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application May 18, 1938, Serial No. 208,548
In Great Britain May 21, 1937
10 Claims. (Cl. 158—76)

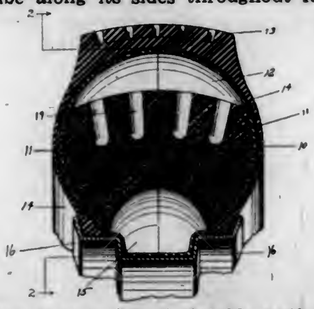


1. A fuel burner which comprises a casing having an air inlet port and an air outlet opening, a plurality of guide blades, a movable member slidable with respect to the casing on which the blades are mounted, a nozzle positioned to discharge fuel through the outlet opening, an air passage in the casing, said blades being in the air passage, means for adjusting the blades to impart different rotary effects to the air flowing through the passage, and means for varying the size of the air outlet opening.

2,242,788
SAFETY INNER TUBE
Anthony Marks, Youngstown, Ohio
Application November 14, 1939, Serial No. 304,339
2 Claims. (Cl. 152—158)

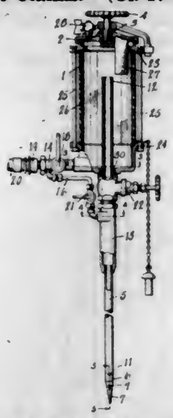
1. An inflatable container adapted to be in-

serted in and removed from a tire casing as a unit comprising a flexible annular cushion arranged within a flexible annular tube of greater cross section, said cushion being joined to the said tube along its sides throughout its entire



periphery so as to form inflatable sections above and below the said cushion, the said inflatable sections formed by the said flexible annular tube, together with means for inflating each of the said inflatable sections separately.

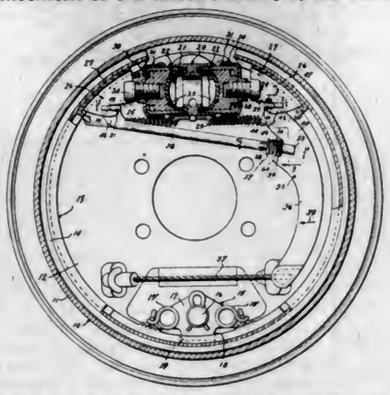
2,242,789
METHOD AND APPARATUS FOR INJECTING FERTILIZER INTO THE SOIL
Vernon R. McFee, Kalamazoo, Mich.
Application September 22, 1938, Serial No. 231,144
10 Claims. (Cl. 47—49)



8. In an apparatus of the class described for injecting pulverized fertilizer or the like into the soil, a substantially cylindrical closed container for the fertilizer to be injected, a tube having one end formed for insertion into the soil and apertured to permit fluid flow therefrom and having the other end open and extending substantially axially through the bottom of and into said container terminating above said bottom, a water inlet passage having its discharge directed tangentially of and into the lower portion of said container.

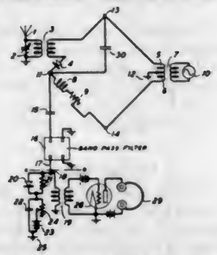
2,242,790
BRAKE MECHANISM
Wright J. McClenahen, Dearborn, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application January 20, 1938, Serial No. 185,958
8 Claims. (Cl. 188—78)

1. In brake mechanism, a brake drum, brake friction means supported within the drum for engagement with the latter and having spaced ends provided with radially inwardly extending web portions, actuating means for the brake friction means including a lever having a transverse portion at one end slotted to receive a portion of the web at one end of the friction means with the bottom of the slot abutting a portion of the inner edge of said web to provide a fulcrum for the lever, said last mentioned web having portions extending at the radially inner and outer sides of the transverse end portion of the lever to prevent displacement of the latter relative to the friction



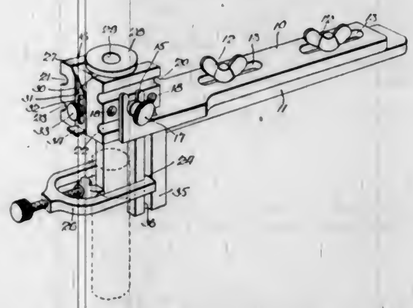
means, and a link having a transverse portion slotted to receive the web on the other end of the friction means with the bottom of the slot engaging a portion of the inner edge of the web to provide a fulcrum for the link, said last named web also having portions extending along the radially inner and outer sides of the transverse portion of the link to maintain the latter in assembled relation with the friction means, the opposite end of the link abutting the inner edge of the lever at a point intermediate the ends of the latter and having portions extending along opposite sides of said lever.

2,242,791
RADIO RECEIVING SYSTEM
Russell S. Ohl, Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 1, 1939, Serial No. 293,010
12 Claims. (Cl. 250—20)



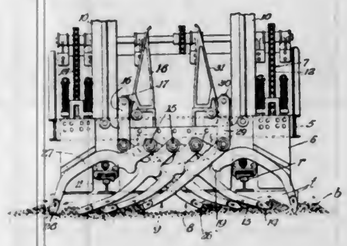
1. The method of modulated carrier wave reception which comprises subjecting an incoming modulated carrier wave and a locally produced wave to an interaction having a cube law characteristic and selecting from the resultant oscillations of the frequency of the locally produced wave having modulations corresponding approximately to those of the incoming wave.

2,242,792
DRILLING AND TAPPING FIXTURE
Karl Panzer, Chicago, Ill.
Application June 12, 1939, Serial No. 278,613
4 Claims. (Cl. 77—62)



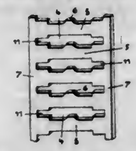
1. In a device of the character described, the combination of a pair of arms arranged one over the other for longitudinal adjustments with respect to each other, a member having a bore therein forming a tool guide carrier and pivoted for manual angular adjustments at one end of one of said arms, a second member fixedly secured to one end of the other of said pair of arms forming a right angle therewith, a tool guide in said tool guide carrier for directing a tool into work positioned against said second member and adjustably located by movement of one of said arms with respect to the other.

2,242,793
DIGGING TOOL
Frank H. Philbrick, Evanston, Ill.
Application October 9, 1939, Serial No. 298,528
3 Claims. (Cl. 262—8)



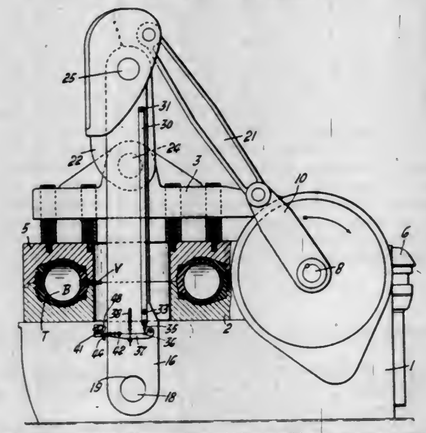
1. A digging or impact tool comprising an arm provided at one end thereof with a tapered shank having a transversely extending slot in the root portion thereof, a shoe of wear resisting material located at said one end of the arm and provided with a tapered socket for the shank and a cross slot extending through the socket defining portion thereof and in registry with the slot in said shank, a wedge extending through said slot and cross slot and serving releasably to hold the shoe in fixed relation with the arm, and a soft metal wedge retaining key fitting between the wedge and one of the walls of the slot and having the end thereof that is adjacent the small end of the wedge bent into lapped relation with the shank and its other end bent into lapped relation with the large end of the wedge.

2,242,794
METHOD OF PRODUCING SEPARABLE FASTENERS
Julius Püschner and Josef Püschner, near Bodenbach, Czechoslovakia
Application January 28, 1938, Serial No. 187,396
In Czechoslovakia February 2, 1937
7 Claims. (Cl. 18—59)



1. A method of producing slide fasteners and securing the same to a tape, band or like carrier, which consists in so perforating an elongated strip of formable material intermediate the marginal edges only thereof as to provide transversely elongated perforations, each having a nose-like projection extending from one wall of each perforation intermediate the lateral ends thereof and in the plane of said strip and leaving a web at each marginal edge whereby the strip form is maintained, bending said strip about said nose-like projections into a substantially U-shaped strip and thus providing a plurality of cross-members and a nose-like engaging element on each of said cross-members, fastening said marginal edges of said strip to said carrier, and weakening said webs by forming therein recesses in staggered relation so as to provide one series of indentations having their openings directed toward said carrier and another series of indentations having their openings directed toward said perforations.

2,242,795
TIRE VULCANIZER
Leslie E. Soderquist, Akron, Ohio, assignor to The McNeil Machine & Engineering Company, Akron, Ohio, a corporation of Ohio
Application June 23, 1939, Serial No. 280,749
16 Claims. (Cl. 18—17)

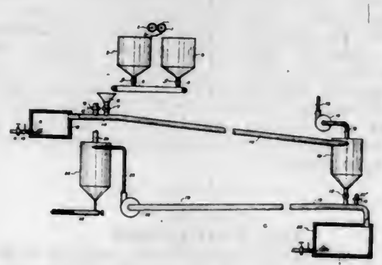


8. In a press for vulcanizing a tire upon a pressure bag, means for supplying pressure to the bag, operating means to open and close the press, a switch controlling said operating means, a device movable by the pressure within the bag into position to actuate the switch during the opening of the press, and means to prevent the actu-

ation of the switch during the closing of the press.

14. In a press for vulcanizing expansible articles while under internal fluid pressure comprising separable mold sections, operating means to open and close the mold sections including a prime mover and a link to move one of said mold sections with respect to the other, and means to render the prime mover inoperative comprising a device actuated by the movement of at least one of said mold sections which movement is caused directly by the expansive force of the fluid under pressure within the article, said device including a bar arranged longitudinally of said link and secured at one end to said link, the other end of said bar being mounted for relative movement with respect to said link, and a lever carried by said link and engaged by the last mentioned end of said bar.

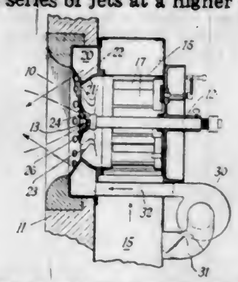
2,242,796
SYSTEM FOR COMMINUTING SOLIDS
McKinley Stockton, Redmond, Oreg., assignor to The Dicalite Company, Los Angeles, Calif., a corporation of Delaware
Application June 19, 1937, Serial No. 149,187
3 Claims. (Cl. 83—94)



1. The method of drying and comminuting crude diatomaceous earth which comprises: feeding lumps of said earth into a rapidly moving stream of hot fixed gases; maintaining said lumps and said gases in direct contact and in motion in a common substantially horizontal direction until a desired proportion of the water content has been vaporized from said lumps; separating the partially dried lumps from said gas stream and rejecting said gas stream; feeding said separated lumps into a second rapidly moving stream of hot fixed gases; maintaining said lumps in direct contact with said second stream and in motion in a common substantially horizontal direction until said lumps are substantially completely dried, and pulverizing said lumps only after last said drying step.

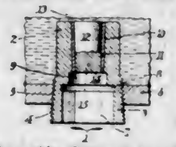
2,242,797
METHOD OF AND APPARATUS FOR BURNING FLUID FUEL
Charles E. Lucke, New York, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application February 26, 1938, Serial No. 192,699
12 Claims. (Cl. 158—1)

1. The method of burning fluid fuel in suspension in a furnace chamber which comprises introducing the fuel through a burner port into the furnace chamber in a stream of relatively large cross-sectional area, and introducing air for combustion partly in a stream of air through the burner port surrounding the fuel stream and partly in a series of jets at a higher velocity than



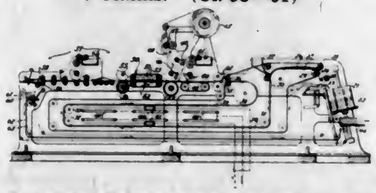
and directed across the surrounding air stream and impinging on said fuel stream.

2,242,798
BOILER DROP PLUG
Robert N. Miller, Rosemont, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 6, 1940, Serial No. 339,079
1 Claim. (Cl. 122—504.3)



A drop plug for attachment in the crown sheets of boiler furnaces comprising an annular component having a uniformly and downwardly tapered bore, a conformatory bushing of fusible material and even thickness fitted in said bore, and a frusto-conical plug of complemental taper engaged in the bore of the fusible bushing, said plug having its larger end of slightly less area than that of the smaller end of the aforesaid annular component bore.

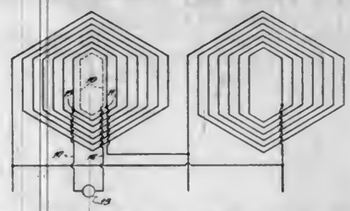
2,242,799
HEAT SEALING ENVELOPE MACHINE
Edmund B. Moore, Brooklyn, N. Y.
Application September 24, 1936, Serial No. 102,275
7 Claims. (Cl. 93—61)



7. In an envelope machine of the rotary type adapted to produce window envelopes, a processing table along which blanks are moved at certain speed, timed means for carrying and applying window patches to and upon the envelope, the patches and blanks being adapted for heat sealing, said timed means including a rotating segment having heating means and projections thereon for spot fastening restricted areas of the window patch upon the blank at a frequency consistent with the normal travel of the blank to initially hold the patches to the blanks, substantially parallel sets of heated rollers, operating at a peripheral speed less than said certain speed of the processing line, and means to divert

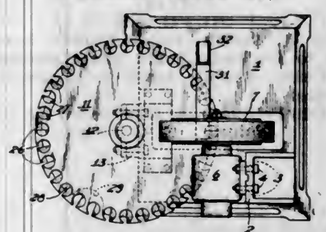
alternate blanks to one and the other roller set, the alternate blanks passing through respective roller sets to effect an adhesion of the entire overlapped area of the patch and blank.

2,242,800
ELECTRIC MOTOR
Waldemar N. Olson, Brookfield, Ill., assignor to Reynolds Electric Co., Chicago, Ill., a corporation of Illinois
Application May 15, 1939, Serial No. 273,604
1 Claim. (Cl. 172—275)



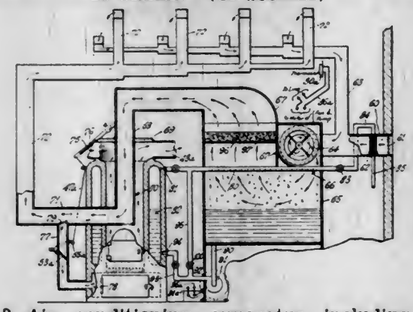
A single-phase alternating current motor having a slotted stator and a rotor; a main stator winding including connected polar groups of coils, the coils of each group varying in span and being disposed concentrically in different stator slots, said motor winding being tapped for an auxiliary lighting circuit at a point adjacent its inner end to span, from its inner end, sufficient turns to furnish a part of the voltage desired for said lighting circuit; additional turns forming a continuation of the inner end of the main winding and including sufficient turns to furnish, by induction, the other part of the desired voltage for said lighting circuit; and an auxiliary lighting circuit connected at said tapped point of said main winding and to the end of said additional turns remote from said main winding.

2,242,801
WASHER GRINDING MACHINE
Andrew T. Richardson, Oakmont, Pa., assignor to Woodings-Verona Tool Works, Verona, Pa., a corporation of Pennsylvania
Application February 21, 1940, Serial No. 320,091
6 Claims. (Cl. 51—89)



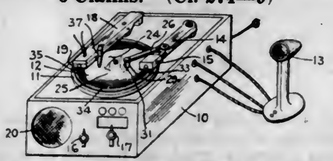
1. Apparatus for grinding the projecting edges off the ends of helical lock washers, comprising a pair of vertically spaced grinding wheels, a conveyor adapted to carry a helical lock washer substantially horizontally between said wheels, said conveyor being provided in its upper surface with a washer-receiving recess having a floor for supporting one end of the washer above the conveyor, a portion of said recess extending entirely through the conveyor to permit the other end of the washer to project below it, and means for moving the conveyor between said wheels whereby to grind the projecting edges from said washer ends.

2,242,802
HEATER SYSTEM
Nicola Stramaglia, Chicago, Ill.
Application October 13, 1938, Serial No. 234,816
12 Claims. (Cl. 236—11)



3. Air conditioning apparatus including a combustion heater, means for forcing air to be heated through said heater and a utilization circuit back to the heater, means for automatically admixing fresh atmospheric air with the air in said circuit depending upon the pressure in the air circuit, means for adding moisture to the admixed fresh air, and means operated by air pressure diverted from in said circuit for controlling the flow of air for combustion to said heater.

2,242,803
CORRECTION MARKER FOR DISK RECORD DICTATING MACHINES
Lincoln Thompson, Stamford, Conn., assignor to The SoundScriber Corporation, Stamford, Conn., a corporation of Connecticut
Application June 28, 1939, Serial No. 281,561
6 Claims. (Cl. 274—9)

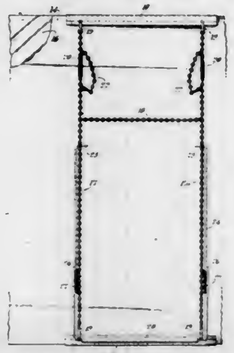


4. In a dictating machine for operating on disk records, a dictating unit including a recording arm mounted to swing over the outer portion of said record for producing sound grooves therein, a depressible arm secured to said recording arm disposed at an angle thereto and extending laterally over the central section of said record, not intended to be recorded with sound grooves, and manually operated means carried by said depressible arm capable of depression to mark a groove in said central section for indicating a definite point of the dictation.

2,242,804
DISPLAY DEVICE
Robert S. Trowbridge, New York, N. Y.
Application April 15, 1939, Serial No. 268,002
11 Claims. (Cl. 40—152.1)

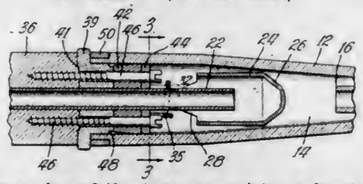
1. A securing device for framing an element, said device comprising spaced channel members of a width to engage both faces of the element, said channel members being relatively shallow and adapted to engage the edges of the element without extending substantially across either face thereof, flexible non-elastic means interconnecting said channel members and resilient take-up means secured across a slack portion of the flex-

ible means, whereby the channel members may be resiliently spread to fit over the element to be framed and may be resiliently held in the framed position.



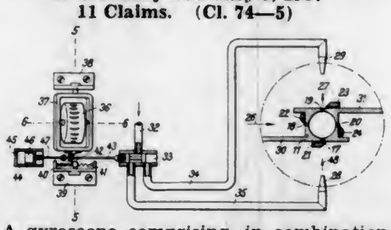
8. An easel having forelegs consisting of a plurality of flexible members, spacer channels interconnecting said flexible members, and a rear leg consisting of a bent wire member anchored to said flexible members at points vertically spaced from the bottom, said easel normally being completely flexible, said easel being rendered rigid when attached to a member to be supported.

2,242,805
SMOKING PIPE
Otto Turinsky, Chicago, Ill.
Application December 30, 1939, Serial No. 311,852
8 Claims. (Cl. 131—225)



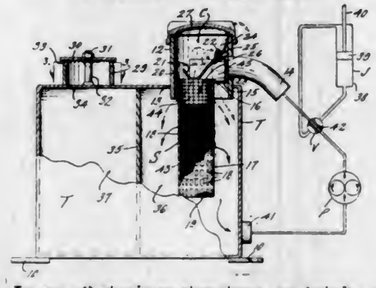
1. In a pipe of the type comprising a bowl portion made up of a bowl proper and an extension projecting laterally from the bottom of said bowl proper, and a tubular stem defining a large condensation chamber with thin walls; a quick-detachable slip joint adapted to hold the bowl portion and stem securely during smoking or carrying but to permit quick removal by a combined twisting and pulling motion and quick assembly by a combined twisting and pushing motion; said joint including an annular leather washer fastened to said bowl portion and of outer peripheral dimensions to fit inside an end of said stem with friction against the inner wall of said stem; and washer-holding means offset from the axis of said washer and penetrating said washer to positively prevent rotation of said washer during removal and assembly of said bowl portion and stem; said washer-holding means comprising an annular plate overlying said washer, and a plurality of headed members having heads engaging said plate to compress said washer, and bodies penetrating said plate and washer and extension; said headed members having screw threaded connection with said extension, and heads with irregularities to facilitate turning said members, whereby the degree of compression of said washer may be adjusted by the user; said extension including a tubular member passing axially through said washer, and a flat abutment face opposing said plate, whereby adjustment of said headed members expands said washer outwardly but not inwardly; said washer and extension being shaped to fit in the end of said tube with a small annular clearance space where said washer abuts said extension; said extension including a portion adjacent said washer shaped to fit inside said tube and afford a bearing surface axially spaced from said washer.

2,242,806
GYROSCOPE
Guido Wünsch, Berlin-Steglitz, Germany, assignor to Askania-Werke A. G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau, a corporation of Germany
Application February 9, 1938, Serial No. 189,664
In Germany February 9, 1937
11 Claims. (Cl. 74—5)



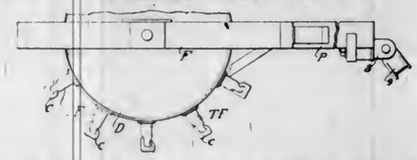
3. A gyroscope comprising, in combination, a gimbal ring mounted on a support for movement about a first axis; a rotor bearing member mounted on said gimbal ring for movement about a sec- axis normal to said first axis; a gyro rotor mounted on said bearing member for spinning about a third axis normal to said second axis; first force exerting means arranged to exert on said bearing member a torque about one of said first and second axes, thereby causing precession about the other axis; gravity responsive means arranged to control said first force exerting means; second force exerting means arranged to exert on said bearing member a torque opposed to the torque of said first force exerting means; and means responsive to turning movements of said support and connected to control said second force exerting means, whereby a precession of the gyroscope caused by an actuation of said gravity responsive means by centrifugal force will be prevented during protracted turns.

2,242,807
OIL FILTER
Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to LaPlant-Choate Manufacturing Co. Inc., Cedar Rapids, Iowa, a corporation of Delaware
Application February 21, 1938, Serial No. 191,633
9 Claims. (Cl. 210—154)



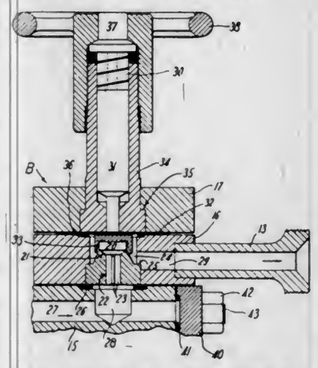
1. In an oil strainer structure, an intake chamber having a partition therein, a first opening in said partition, a strainer assembly inserted through said first opening in said partition and supported relative thereto, said strainer assembly being thereby removable from said first opening in said partition, an intake tube communicating with said intake chamber, a baffle within said intake chamber, extending upwardly from said partition, said first opening being in front of said baffle and said partition having a second opening back of said baffle for bypassing oil from said intake chamber when the oil entering said intake chamber is in excess of the amount said strainer is capable of passing.

2,242,808
EARTH TAMPER
Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to LaPlant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa, a corporation of Delaware
Application January 23, 1940, Serial No. 315,230
5 Claims. (Cl. 94—48)



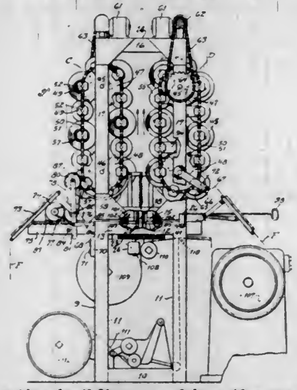
1. In an earth tamper, a frame, a drum journaled thereon, a plurality of radially arranged tamper feet projecting from the surface of said drum, each of said tamper feet being provided with a hook shaped end portion, and replaceable tamper foot caps on said tamper feet, each of said tamper foot caps having an open sided interfitting recess to cooperate with said hook shaped end portion of the foot, said cap having a bolt flange opposite the hoop shaped portion of the foot, single bolt means through said flange and tamper foot, said hook shaped portion and recess including a projection interfitting with a depression to prevent lateral movement of the cap relative to the foot as a result of side thrusts.

2,242,809
HOMOGENIZER
Alonzo Linton Bausman, Springfield, Mass., assignor to National Equipment Company, Springfield, Mass., a corporation of Massachusetts
Application April 11, 1939, Serial No. 267,250
4 Claims. (Cl. 99—265)



2. In a homogenizer, a body having a chamber, a homogenizing valve mounted in said chamber, a flexible diaphragm forming one wall of said chamber, and a spring outside said chamber acting on said valve through said diaphragm.

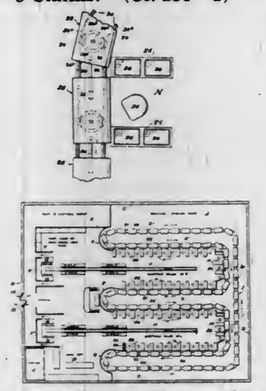
2,242,810
STOCK FEEDER
Henry C. Bostwick, Akron, Ohio, assignor to Akron Standard Mold Company, Akron, Ohio, a corporation of Ohio
Application December 10, 1937, Serial No. 179,119
6 Claims. (Cl. 154—10)



1. In a tire building machine, the combination of a main frame, a turret frame rotatably supported by the main frame, a plurality of stock storing units carried by the turret frame, a motor for each stock storing unit, means for indexing the turret frame and stock storing units respectively, an electric circuit for each motor, and switches for controlling said motor circuits independently of one another characterized in that each switch is arranged to operate the motors successively as the turret frame is rotated upon the main frame.

5. In a strip feeder, a stock supply unit comprising a plurality of stock supply rolls mounted for movement in an endless path, a stock infeeding station adjacent the supply unit, means for winding supply rolls at the stock infeeding station, and means for automatically winding the last mentioned supply rolls after they have passed the stock infeeding station and as they are traveling to bring a succeeding empty roll into coaction with said station into position to be loaded therefrom.

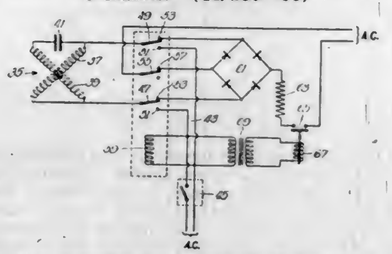
2,242,811
TRAVELING DISPLAY APPARATUS FOR STORES
Lyle W. Bowers, Lakewood, Ohio
Application October 27, 1938, Serial No. 237,241
8 Claims. (Cl. 186—1)



1. In an apparatus for the vending of mer-

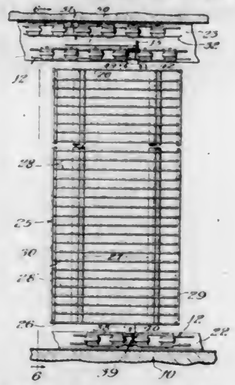
chandise, a conveyor comprising a plurality of trucks, rails on which said trucks are arranged to travel, the said rails being arranged to form one or more looped projections, trucks adapted to travel on the said rails and each having a pair of wheels having a swivelled connection therewith adjacent to one end thereof, a bar connected to the opposite end of the said truck and slidably connected to the adjacent end of the truck, and a flexible endless driving member connected to one or more of said trucks.

2,242,812
ELECTRICAL SYSTEM
James G. Brown, Congress Park, Ill., assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application November 24, 1939, Serial No. 305,771
6 Claims. (Cl. 250—93)



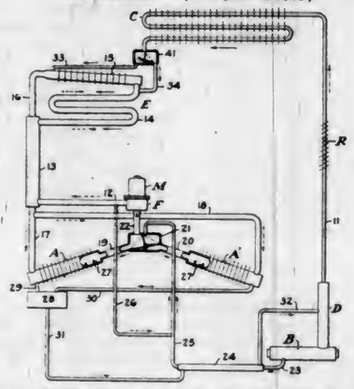
1. The combination, with an X-ray tube having a rotatable anode, of an electric motor having a plurality of phase windings for driving said anode, means for connecting said windings with a source of alternating current power for actuating said motor, and means to apply unidirectional current to at least one of said windings to brake the motor rapidly after disconnection of said windings from said source.

2,242,813
CONVEYER FOR BAKING OVENS
John V. Cook, Chicago, Ill., assignor to Petersen Oven Company, Chicago, Ill., a corporation of Illinois
Application April 29, 1940, Serial No. 332,329
7 Claims. (Cl. 198—138)



1. In a conveyer, the combination of a pair of aligned, axially spaced-apart driving sprocket wheels, separate, spaced-apart strands of endless chain mounted on said wheels, track means for the horizontal stretches of the upper and lower runs of each chain for supporting them substantially level, a plurality of separate, spaced-apart material supporting devices, trunnions providing pivotal connection for the opposite ends of each device to the respective strands of chain, one of said trunnions at one end of each device being mounted in fixed relation thereto, said trunnion connections being adjacent the upper end of each of the material supporting devices, offset to one side of the center line thereof with respect to its direction of travel, an auxiliary strand of endless chain disposed parallel and adjacent to the strand of chain associated with said fixed trunnions of the material supporting device, means for guiding said auxiliary strand of chain for movement in a predetermined path, and separate rigid arms for each device, said arms each being fixedly connected at one end to the fixed trunnion and extending in a direction toward and beyond said center line of the material supporting device, the opposite end of said arms being pivotally connected to said auxiliary strand of chain.

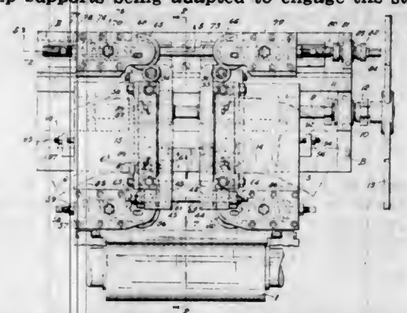
2,242,814
REFRIGERATION
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application January 3, 1938, Serial No. 183,001
20 Claims. (Cl. 62—119.5)



2. Refrigerating apparatus comprising a pressure equalizing medium circuit including an evaporator and a pair of absorbers, a solution circuit including a boiler and said absorbers, means for supplying refrigerant vapor generated in said boiler to said evaporator in liquid form, and means operative to divert weak solution leaving said boiler alternately into said absorbers.

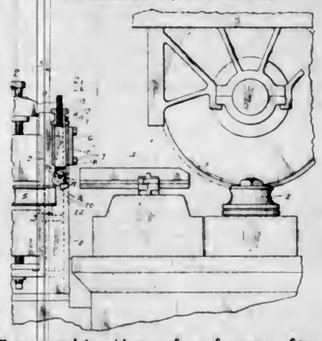
2,242,815
STRIP TRIMMER
Frederic M. Darner, Shaker Heights, Ohio, assignor, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application March 9, 1939, Serial No. 260,811
13 Claims. (Cl. 90—24)

1. A trimmer for strip material of the class described including a base, a pair of tool supports on said base, means for moving said supports toward or away from each other, each of said supports having means for adjustably securing a cutting tool thereto, a cutting tool held on each of said supports by said securing means, strip supporting means, one of said strip supports being adapted to engage the strip adjacent a tool on one of said tool supports and another of said strip supports being adapted to engage the strip



adjacent a tool on the other tool support, and coacting, resiliently mounted means carried by said tool supports and adapted to engage the strip opposite said first named strip supporting means.

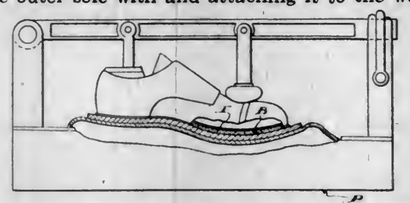
2,242,816
TUBE ENTERING END DEPRESSING DEVICE
Frederic M. Darner, Shaker Heights, and George W. Sower, University Heights, Ohio, assignors, by mesne assignments, to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application August 16, 1939, Serial No. 290,436
7 Claims. (Cl. 219—6)



1. The combination of a former for forming strip steel into a tubular blank having opposed longitudinal edges and for propelling said blank axially, an electric welder including rotary electrodes and pressure rollers constituting a welding throat through which the former propels said blank, and means engageable with the leading end of the blank before it engages the electrodes for deforming inwardly axially short lengths of the longitudinal edge portions of the blank.

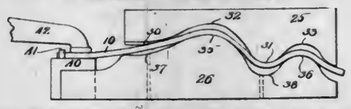
2,242,817
MANUFACTURE OF FOOTWEAR
Alfred W. Donovan, Quincy, Mass.
Application June 23, 1939, Serial No. 280,763
1 Claim. (Cl. 12—142)

Method of making shoes of the Goodyear type wherein an inner sole, having a sewing rib at its under side, is first accurately premoulded so as to conform its upper surface to the contour of the bottom of the last with which it is to be used and is then assembled, together with an upper, upon the last and the shoe is lasted, and wherein a welt is then secured to the sewing rib, the inseam is trimmed and a mass of plastic filler is deposited upon the under surface of the inner sole in the space defined by the inseam, and wherein there is provided an outer sole having its inner margin at the shank portion so permanently elongated and shaped that when the outer sole is assembled with the inner bottom structure of the shoe said marginal portion of the outer sole will fit snugly against the shank portion of said bottom structure and wherein, after assembling the outer sole with and attaching it to the welt,



the outer surface of the outer sole is subjected to pressure in direct contact with a rigid contouring form whose sole-contacting surface is smooth and glossy and of substantially the exact contour, but in reverse, of the desired finished surface of the outer sole, characterized in that prior to assembly of the outer sole with the inner bottom structure of the shoe the latter is so treated by the application of pressure as to compact it and concomitantly to impart to its exposed surface a contour which is a substantial replica of the contour of the outer sole of the finished shoe.

2,242,818
MANUFACTURE OF SHOES
Alfred W. Donovan, Quincy, Mass.
Application January 12, 1940, Serial No. 313,489
5 Claims. (Cl. 12—146)

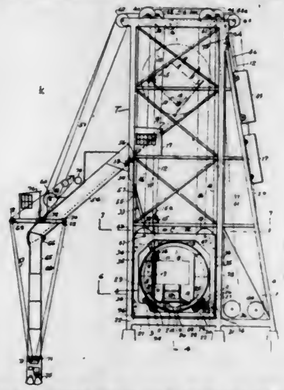


1. In the manufacture of shoes, that method of preparing an outer sole for assembly with a lasted upper which includes the steps of supporting the blank at its shank upon its inner side edge only, clamping the heel seat to hold the blank against longitudinal movement, bending the forepart downwardly and clamping it against longitudinal movement, and bending the portion of the blank between the supported shank and the clamped heel seat downwardly about its supported inner side edge as a fulcrum, and permanently stretching transversely such portion.

2,242,819
CAR DUMPING MACHINE
Percival A. Fanner, Lakewood, Ohio
Application June 19, 1939, Serial No. 279,880
17 Claims. (Cl. 214—123)

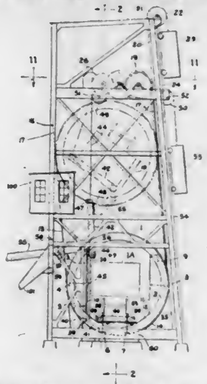
1. In a car dumping machine, an element whereon a loaded car is adapted to be secured, said element being supported for reciprocation in a substantially vertical direction between low and high positions and for rotation on an axis extending longitudinally of the car at about the center of gravity of the rotatable mass, a load receiving and directing means supported adjacent the path of movement of said element at an elevation near said high position, mechanism for reciprocating said element and for simultaneously rotating it, first, continually in a direction to

discharge the load when the element travels to high position and then continually in a reverse direction to normal condition when the element descends to low position, and a movably supported



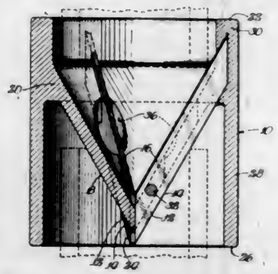
chute pivoted adjacent one end to said element and that automatically adjusts itself to the relative positions of said element and the load receiving and directing means and across which the load is discharged to said means.

2,242,820
CAR DUMPER
Percival A. Fanner, Lakewood, Ohio
Application April 8, 1940, Serial No. 328,469
15 Claims. (Cl. 214—123)



1. A car dumper comprising, in combination, a tower structure, ropes having one of their ends anchored to the tower structure at an elevated position on the front side thereof and extending downwardly and thence upwardly within said structure to provide loops, hoisting apparatus associated therewith for drawing in and paying out said ropes, a rotor mounted within the tower structure for rotary and substantially vertical movement and having adjacent the ends thereof drum-like portions wherewith the loops of the aforesaid ropes are engaged, rack-like elements disposed adjacent the front corners of the tower structure, the same being inclined downwardly and rearwardly at a slight angle to the vertical, peripheral gear-like members incorporated in the rotor adjacent each end thereof for cooperation with the rack-like elements, inclined guard means adjacent the rear of the tower structure that are substantially parallel to the aforesaid rack-like elements and arranged to co-act with the rotor for preventing disengagement of the gear-like members from said rack-like elements, the rear sides of the loops of the aforesaid ropes being inclined upwardly and forwardly to assist in holding, through the influence of gravity, the gear-like members in mesh with the rack-like elements, and means for securing a car in the rotor.

2,242,821
REAMING TOOL
Robert B. Fanslow, Rockville Centre, N. Y., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 11, 1939, Serial No. 294,356
6 Claims. (Cl. 77—73)



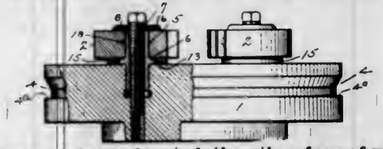
1. A reaming tool for tubing comprising a hollow body, a diaphragm within the body having the base thereof supported by the body adjacent one end thereof and tapering to an apex adjacent the other end of the body, and a knife supported by the tapered diaphragm extending along one side thereof adapted to trim the edge of an end of tubing.

2,242,822
TREATMENT OF COAL
Walter M. Fuchs, State College, Pa., assignor to The Pennsylvania Research Corporation, State College, Pa., a corporation of Pennsylvania
No Drawing. Application June 18, 1938, Serial No. 214,567
21 Claims. (Cl. 196—14)

1. That method of treating coal which comprises treating coal in mildly oxidized condition in which the coal substance is converted, at least in part, to hydroxy-carboxylic acids, with an organic solvent containing heterocyclic oxygen and thereby dissolving oxidized coal substance, and separating the thus-formed coal solution from undissolved mineral matter.

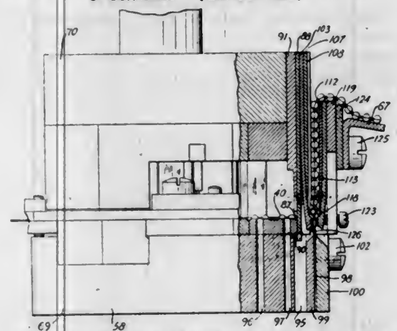
2,242,823
GEAR CHUCK
Ralph P. Garrison, Dayton, Ohio, assignor to Garrison Machine Works, Incorporated, Dayton, Ohio, a corporation of Ohio
Original application May 29, 1936, Serial No. 82,543, now Patent No. 2,182,614, dated December 5, 1939. Divided and this application November 1, 1939. Serial No. 302,385
1 Claim. (Cl. 279—1)

A gear chuck including a support, a plurality of oscillatory gear segments carried thereby in circular arrangement for intermeshing engagement with a gear to be held, pivotal studs upon which the segments are mounted, said support having therein an annular recess, and right angular test faces formed in said annular recess for application of a test gauge, one face of which is concentric to the circle upon which the axes of the sev-



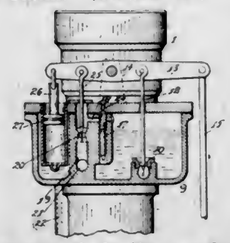
eral segments are located, the other face of which is perpendicular to the axis of such circle.

2,242,824
AUTOMATIC CHAIN MACHINE
William F. Hess, Pawtucket, R. I., assignor to Armbrust Chain Company, a corporation of Rhode Island
Application October 28, 1939, Serial No. 301,711
9 Claims. (Cl. 59—15)



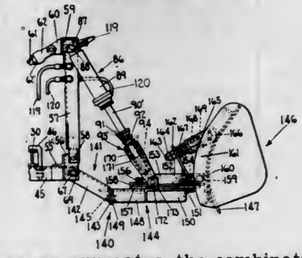
1. In a chain making apparatus, means for stamping successive sets of link portions, each set being adapted to be joined to form a complete link, one portion of each set having a hinge tab provided with an opening, and another portion of each set having hinge fingers, means for successively severing said sets, means for hinging the severed set to the contiguous set stamping by joining said hinge fingers through the hinge tab opening thereof, and means for joining the severed set to form a complete link, whereby a chain of hinged links is formed.

2,242,825
CARBURETOR STRUCTURE
Maldwyn E. Jones, Ferguson, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application October 25, 1938, Serial No. 236,873
1 Claim. (Cl. 261—41)



In a carburetor, an induction conduit, a throttle therein, main and idling fuel supply passages opening into said conduit respectively anterior and posterior to said throttle, a restricting orifice element in said idling passage constituting the effective metering point therein, a graduated metering pin controlling said restricting orifice, means operable with said throttle for shifting said pin so as to progressively vary the effective opening in said restricting orifice during substantial portions of the opening and closing movements of said throttle and to hold said pin in its least restricting position in the no load position of said throttle and said metering pin normally extending through said orifice to prevent clogging and said orifice being of slightly greater diameter than the maximum section of the cooperating portion of said pin.

2,242,826
SNOWPLOW
Raymond W. Keeler, Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company, a corporation of Ohio
Original application June 23, 1938, Serial No. 215,440. Divided and this application February 29, 1940, Serial No. 321,516
4 Claims. (Cl. 37—42)



1. In scraper apparatus, the combination with a main frame, of an auxiliary frame pivoted to said main frame for adjustment relative thereto on a horizontal transverse axis, said auxiliary frame comprising two sections pivoted together on a longitudinal axis, a scraper, mechanism mounting said scraper on the forward section of said auxiliary frame for adjustment relative thereto on an upright axis, spaced-apart fluid-pressure motors connected between said main frame and the forward section of the auxiliary frame at transversely spaced-apart points, and a fluid-pressure control system for operation of said motors in parallel to effect transverse tilting of the forward section of the auxiliary frame on said longitudinal axis when the scraper occupies a position extending diagonally of the line of draft of the machine and said auxiliary frame is moved downwardly to cause the entire length of the lower edge of the scraper to engage the ground, the construction and arrangement being such that after the lower edge of the scraper has been thus adjusted the motors may be operated equally to adjust the elevation of the scraper equally relatively to the road surface.

2,242,827
DRAFTING DEVICE
Adolph Langsner, Chicago, Ill., assignor to Eugene Dietzgen Co., Chicago, Ill., a corporation of Delaware
Application November 6, 1939, Serial No. 302,943
1 Claim. (Cl. 33—79)



A ruling guide comprising an elongated member defining a pair of spaced ruling edges, means

formed on the underside of said member to provide spaced edge lands forming bearing surfaces adjacent said ruling edges, and an additional land forming a bearing surface intermediate said edge lands and offset with respect to the plane of said edge lands to normally afford a slight clearance between the bearing surface of said additional land and a working surface on which used whereby to allow contact of the guide with the working surface only at the bearing surfaces of said edge lands, said ruling guide having portions of thin section between said additional and edge lands, and said additional land serving, upon contact of its bearing surface with such working surface, to limit bending of the ruling guide at said section under influence of pressure applied on the guide, said additional land forming a medial rib on the underside of said guide, and support means for said guide comprising a support member and fasteners extending in said rib and anchored therein for securing the support member on said guide.

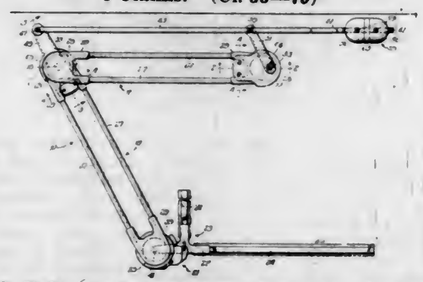
2,242,828

DRAFTING DEVICE

Adolph Langsner, Chicago, Ill., assignor to Eugene Dietzgen Co., Chicago, Ill., a corporation of Delaware

Application November 6, 1939, Serial No. 302,944

5 Claims. (Cl. 33—79)



3. Balancing means for parallel motion apparatus of the type comprising arms having pivotally interconnected ends and in which one of the arms comprises a supporting arm formed for pivotal mounting on a working base and the other comprises a supported arm for carrying drafting guide means, said balancing means comprising a pair of shoes and clamp means for rigidly securing said shoes, the one demountably on the supporting arm and the other demountably on the supported arm, a carrier bar pivotally mounted on one of said shoes, a link pivotally connected with said carrier bar and on the other of said shoes, and weight means adjustable on said carrier bar.

2,242,829

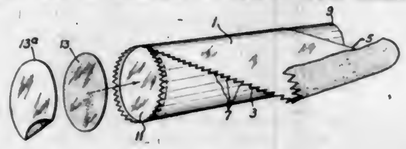
CONTAINER

Lester B. Leighton, Richmond Heights, and Clarence J. Vogt, Lemay, Mo., assignors to The Sandusky Cooperage & Lumber Company, St. Louis, Mo., a corporation of Ohio

Application April 16, 1938, Serial No. 202,414

9 Claims. (Cl. 229—5.5)

1. A container comprising a multi-ply body member and a multi-ply end member closing one end of the body member, the body member being formed of a continuous strip of material of paper thickness wound on itself and forming a wall of a predetermined number of plies, said end member being formed of plies of material of paper thickness and which correspond in number to the number of plies of the body member, integral tabs projecting from and throughout the peripheral edge of each ply of one of said members



thereby to form on each said ply a peripheral series of tabs, each series of tabs projecting between corresponding plies of the other member, and said tabs and plies being adhesively secured throughout.

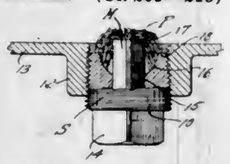
2,242,830

MAGNETIC PLUG

Charles V. Lisle, Clarinda, Iowa, assignor to Lisle Corporation, Clarinda, Iowa, a corporation of Iowa

Application January 16, 1939, Serial No. 251,194

4 Claims. (Cl. 209—215)



4. In a magnetic plug for transmission housings and the like, a shell formed of a material which is capable of conducting magnetism, said shell having a socket therein, a bar magnet having one end in said socket and its other end projecting from said shell, said other end constituting one pole of the magnetic plug, the material of said shell surrounding said pole constituting an annular pole complementary to said first pole due to the magnetism conducted thereto from the first mentioned end of said magnet by the material of said shell, said annular pole having its terminal edge closer to said other end of said magnet than the diameter of the magnet.

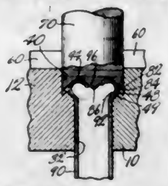
2,242,831

FLARING TOOL

Robert D. McIntosh, River Forest, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application September 12, 1938, Serial No. 229,564

2 Claims. (Cl. 153—79)



1. A tube flaring tool comprising a clamping device having cooperating recessed elements forming an aperture for holding the tube and an enlargement at one end of the aperture having walls greater in diameter than the diameter of said recess elements, there being a flared portion at the inner end of said enlargement, said enlargement having an annular recess forming a stop shoulder outside the flared portion, and

flare forming means including an initial forming member insertable in said aperture having an annular depression therein curving first axially inward from the outside edge and then axially outward and adapted to fit over the exposed end of tubing and to be forced against said end, the curve of said depression being adapted to press a portion of the tube adjacent said exposed end first into an outward extending arch and next at the end portion thereof into an inwardly and downwardly extending arch until the outer portion of said initial forming member contacts said stop shoulder thereby forming the tube into a preliminary form of predetermined size and shape prior to the final flaring operation, and a flaring member insertable into the preliminarily formed end of the tubing adapted to flatten the arched portions together against the flared portion of said clamping device.

2,242,832

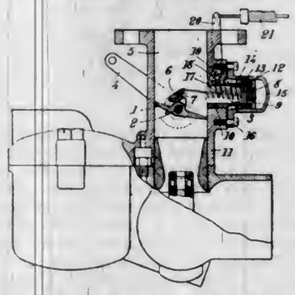
GOVERNOR DEVICE FOR INTERNAL COMBUSTION ENGINES

Marcel Mennesson, Neuilly-sur-Seine, France, assignor to Societe Anonyme Solex, Neuilly-sur-Seine, Seine, France, a French society

Application June 28, 1937, Serial No. 150,836

In France July 9, 1936

1 Claim. (Cl. 137—152)



In a speed regulating device for an internal combustion engine having an induction pipe, an offset pivoted throttle valve arranged in the suction pipe of the engine and subjected to the suction of the engine acting in a direction to tend to move the valve to its closed position, resilient means tending to open said valve against the action of the suction, means to adjust said resilient means, supplementary remote control means separate from said adjusting means to modify the effect of said resilient means, and control means for actuating said throttle valve during the operation of the engine, said resilient means comprising a helical spring connected at one end to said valve, a support on said induction pipe, a member movably mounted on said support, the other end of said spring being connected to said member, a toothed rack on said member, said remote control means comprising a pinion engageable with said rack and means for moving said pinion to move said member with respect to said support, whereby to modify the effect of the spring.

2,242,833

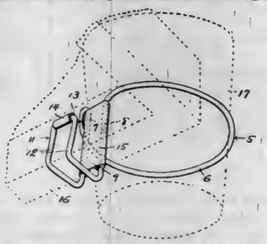
TABLE ATTACHMENT

Bernard Nibur, San Antonio, Tex.

Application April 16, 1940, Serial No. 329,985

4 Claims. (Cl. 248—315)

4. A table attachment comprising a wire holder including a split ring portion and a clamping portion adapted to clamp the holder to a supporting structure, said clamping portion including a pair of spaced parallel legs projecting coaxially with the ring portion at the split edges of



the latter and a rigid plate having tubular portions receiving the respective leg members and securing the ring against expanding and contracting movement.

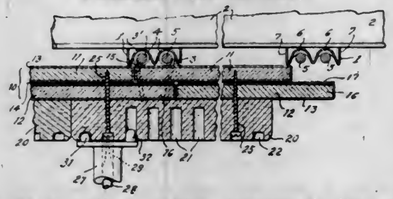
2,242,834

WALL OR CEILING TREATMENT

Manley R. Price, Lakewood, Ohio

Application November 4, 1938, Serial No. 238,863

4 Claims. (Cl. 72—118)



1. As a wall or ceiling treatment, the combination of a wall covering unit in sheet form, comprising mutually superposed layers of material of relatively rigid but frangible character adapted to be pierced readily by fasteners such as nails or screws when driven thereinto but incapable of firmly holding the same against being withdrawn therefrom and a relatively thin, normally flexible core web embraced between and operatively reinforced on opposite sides by said layers, said web having sufficient toughness and tensile strength to hold such fasteners when penetrated thereby and, when so reinforced by said layers, capable of being readily pierced by the fasteners over substantially its entire area without movement generally out of its normal plane, facing members substantially in edge to edge relationship overlying the unit on one side thereof, and fasteners such as nails or screws with shanks having lateral projections thereon, said shanks extending through the adjacent layer of said material into piercing relation to the web and with the projections in interlocking relationship thereto, said fasteners having heads in retaining relation to the facing members for holding the latter tightly against the unit.

2,242,835

BACKING FOR WALL OR CEILING TREATMENT

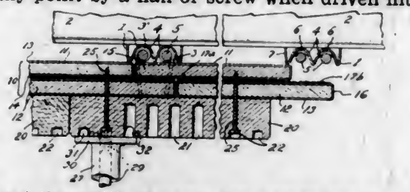
Manley R. Price, Lakewood, Ohio

Original application November 4, 1938, Serial No. 238,863. Divided and this application September 11, 1939, Serial No. 294,251

5 Claims. (Cl. 72—124)

1. As a nail or screw holding backing for wall or ceiling treatment such as tile, a self sustaining

unit comprising sheets of paper-covered plaster board with a relatively thin sheet-like element of material capable of being readily penetrated at any point by a nail or screw when driven into



contact therewith through the plaster board and capable of maintaining snug holding engagement with such nail or screw, said element being intimately embraced between the adjacent paper cover sheets.

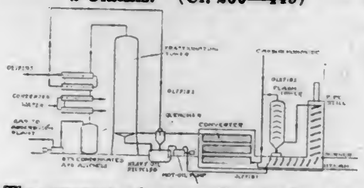
2,242,836

PROCESS OF PRODUCING AROMATIC HYDROCARBONS FROM OLEFINS

Alexander S. Ramage, Detroit, Mich., assignor to Coals and Chemicals, Limited, Los Angeles, Calif., a corporation of Nevada

Application June 7, 1937, Serial No. 146,895

2 Claims. (Cl. 260—449)



1. The process of converting hydrocarbons of the olefinic series into hydrocarbons of the aromatic series and low-boiling-point alcohols which comprises successive dehydrogenation of said olefinic hydrocarbons in the vapor phase by reacting them, at substantially atmospheric pressure and at a temperature of about 1100° F. to about 1300° F., with steam in an amount equal to about 10% up to 30% of that of such olefinic vapors and with carbon monoxide in an amount approximately equal to the combined amounts of such vapors and steam in the presence of finely divided iron.

2,242,837

ANTICORROSION AGENT

James E. Shields, Niagara Falls, N. Y., assignor to Alox Corporation, New York, N. Y., a corporation of New York

No Drawing. Application January 24, 1938, Serial No. 186,753

4 Claims. (Cl. 260—29)

1. A film-forming protective composition adapted for use as an anti-corrosion material on surfaces of corrodible metals, consisting essentially of a mixture of neutral unsaponifiable oxidized mineral hydrocarbons including saturated aliphatic alcohols, saturated aliphatic ketones, saturated aliphatic keto-alcohols, and neutral esters and lactones of high molecular weight saturated aliphatic carboxylic acids, said oxidized mineral hydrocarbons being produced by controlled, liquid-phase, partial oxidation of a mixture of saturated mineral hydrocarbons, said mixture containing dispersed therein a lead salt of a relatively high molecular weight saturated aliphatic carboxylic acid of mineral origin, said acid having an end methyl group.

4. A film-forming protective composition, as defined in claim 1, characterized in that the composition contains, dispersed therein, a synthetic resin compatible with the other ingredients of the composition, and in that it contains a compatible oily solvent for the mixed oxidized mineral hydrocarbons and for the synthetic resins in an amount sufficient to render the composition fluid.

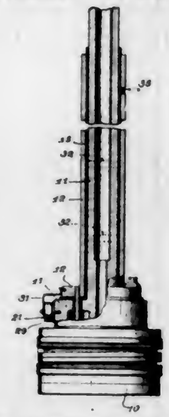
2,242,838

INDUCTIVE HEAT TREATING APPARATUS

Howard E. Somes, Grosse Pointe Park, Mich.

Application October 25, 1938, Serial No. 236,872

2 Claims. (Cl. 219—13)



1. In a high power induction heating apparatus, a supporting and conducting arbor having concentric conductors spaced from one another, a high frequency heat treating coil secured to one end of the arbor and electrically connected to the conductors, and a protective energy consuming shunt device connected across said concentric conductors at said one end, said device comprising a resistance and an air gap in series, said resistance being of non-linear characteristics such as "Thyrite."

2,242,839

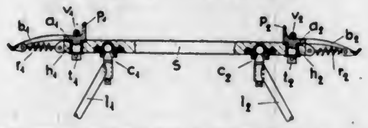
CURRENT COLLECTOR FOR TROLLEY BUSES AND OTHER ELECTRIC ROAD VEHICLES SUPPLIED FROM OVERHEAD WIRES

Ferenc Szalay, Budapest, Hungary, assignor to Inventio Patentverwertungs-Aktiengesellschaft, Glarus, Switzerland, a company of Switzerland

Application February 21, 1939, Serial No. 257,726

In Hungary June 17, 1938

6 Claims. (Cl. 191—57)



1. An overhead double-terminal current collector for an electric road vehicle comprising two trolley poles supporting respectively two sliding contacts of which each has only a single guiding flange, the two contacts being connected together by insulated means which maintain the contacts and flanges in spaced relationship corresponding to the separation of the overhead wires and the flanges being arranged both to engage the adjacent sides of the overhead wires and thereby to limit the lateral movement of the contacts in relation to the wires, said flanges being of substantial length in the running direction and means for pivotally supporting said flanges for movement in relation to the connecting means about axes which are substantially perpendicular to the sliding contacts.

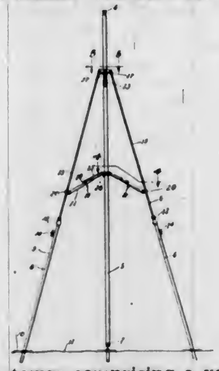
2,242,840

PORTABLE WATERING TOWER

Leonard L. Warden, Sr., Pharr, Tex.

Application July 11, 1940, Serial No. 345,006

1 Claim. (Cl. 248—83)



A watering tower comprising a vertically disposed water supply attachable stand pipe, an upper collar on the pipe, a lower collar on the pipe, a plurality of props each consisting of upper and lower telescopic sections, the upper sections being pivotally secured to the upper collar, breakable brace connections between the lower collar and the upper prop sections, detent means between the sections of each prop and a ground engaging plate on the lower portions of the lower sections of the props.

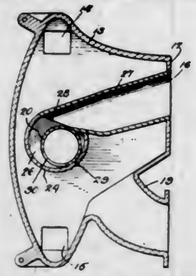
2,242,841

VAPORIZER MANIFOLD

Ray W. Warrick, Crozet, Va.

Application July 10, 1940, Serial No. 344,829

4 Claims. (Cl. 123—122)



1. Manifold construction for internal combustion engine comprising an exhaust manifold having an exhaust gas inlet and outlet, a combustible mixture conduit passing through said exhaust manifold comprising anterior and posterior tubular portions and an intermediate shell, said shell being of larger diameter than said tubular portions and being positioned between said inlet and outlet to be swept by the hot exhaust gases, said anterior portion opening into said shell tangentially, and said posterior portion extending into said shell axially parallel thereto internally tangent thereto and in metallic contact therewith along its line of tangency, and being laterally in communication with said shell chamber.

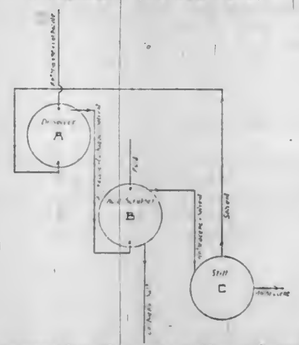
2,242,842

SEPARATION OF CARBAZOLE

Viktor M. Weinmayr, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application April 5, 1938, Serial No. 200,281

5 Claims. (Cl. 260—318)



1. A process for the separation of anthracene and carbazole from a mixture thereof which comprises the steps of continuously dissolving the mixture in a solvent therefor, continuously passing the solution so formed through a body of sulphuric acid of from substantially 80% to substantially 86% strength maintained at a temperature within the range of substantially 20° to substantially 30° C., whereby there occurs no substantial sulfonation of anthracene and carbazole and crystals of carbazole sulphate insoluble in the solvent are formed and separate from the solution, and continuously distilling the resulting solution of anthracene to recover pure anthracene therefrom, and continuously returning solvent to the dissolving stage of the process.

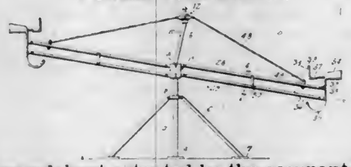
2,242,843

AMUSEMENT APPARATUS

Clifford D. Arnold, Mare Island, Calif.

Application November 14, 1938, Serial No. 240,373

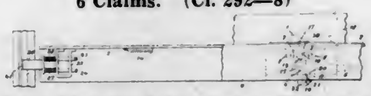
1 Claim. (Cl. 272—30)



A roundabout actuated by the occupants shifting their bodies comprising a stationary upright having a straight vertically arranged major portion, and a short vertical top portion laterally offset from the axis of the major portion, a first hub rotatably supported from the upper part of the major portion, a second hub rotatably supported on the short vertical portion, arms arranged in pairs with one arm of each pair located below the other arm of the pair, means for pivotally connecting the inner ends of the arms to the first-mentioned hub, each pair of arms being connected to the first hub at a point diametrically opposite another pair of arms and each cable being connected to the second hub at a point diametrically opposite the connection of another cable to said hub and each pair of arms extending in parallelism to the opposite pair of arms in all positions of rotation of the roundabout, a seat supported by each pair of arms, means for pivotally connecting the outer ends of the arms of each pair to a depending part of

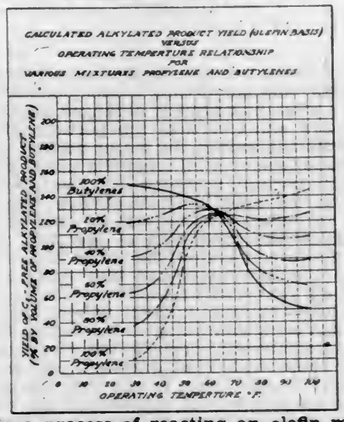
a seat and cables connecting the upper arms, at points adjacent their outer ends, with the second hub said cables acting to hold one pair of arms in raised position while the opposite pair is in lowered position and the first pair moving downwardly when the occupant of the seat thereof leans backwardly and the occupant of the seat of the opposite pair leans forwardly, the last-mentioned pair moving upwardly and the first-mentioned pair moving downwardly.

2,242,844
CATCH FOR SLIDING ROOFS FOR MOTOR VEHICLES
Wilhelm Baier and Walter Baier, Stockdorf, near Munich, Germany
Application April 8, 1939, Serial No. 266,828
In Germany May 4, 1938
6 Claims. (Cl. 292—8)



1. In a sliding roof for motor vehicles, a catch member for securing the roof in the closed position, braking means for securing the roof in the fully opened and in any intermediate position, a rotatable handle adapted upon its rotation to actuate both the said catch member as well as the said braking means, and transmission means disposed between the said handle and the said catch member and said braking means, said transmission means being operable by the handle and including an element to actuate the catch member and also including means for actuating the brake means, the means for actuating the brake means in the movement of the handle being normally free of handle influence, and actuated by the handle in a movement thereof which is smaller than that movement of the handle required for the actuation of the element controlling the catch member.

2,242,845
ALKYLATION
Arthur L. Blount, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application August 14, 1939, Serial No. 290,002
6 Claims. (Cl. 196—10)

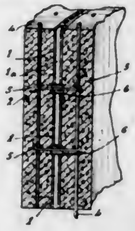


1. In a process of reacting an olefin mixture containing propylene and butylene with isobutane in the presence of concentrated sulphuric acid comprising conducting the reaction substantially at a temperature determined by the equation

$$Y=0.25\ X+47$$

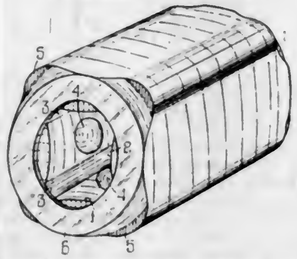
where Y is the temperature in °F. to be employed and X represents the propylene content expressed as percent by volume of the propylene plus butylene in the olefin mixture.

2,242,846
REINFORCED CONCRETE TANK
Louis Pierre Brice, Boulogne-sur-Seine, and Jean Lipsky, Paris, France, assignors to Société Anonyme: La Paroi Hydraulique, Paris, France, a company of France
Application February 13, 1939, Serial No. 256,208
In Belgium February 18, 1938
9 Claims. (Cl. 72—14)



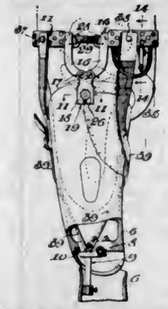
1. A tank of the type described which comprises, in combination, two parallel wall elements of concrete, an intermediate layer constituted by hollow porous bodies and adapted to be filled with an impregnating liquid, interposed between said concrete wall elements, and strutting means interconnecting said two wall elements extending through said intermediate layer, fitting accurately in holes provided in said intermediate layer.

2,242,847
SLEEVE PROTECTOR FOR EARTH BORING DRILLS
Henry James Butcher and Reginald William Lunn, Leyland, near Preston, England, assignors to The Leyland and Birmingham Rubber Company Limited, Leyland, near Preston, England, a British company
Application September 8, 1939, Serial No. 294,018
In Great Britain May 19, 1939
2 Claims. (Cl. 308—4)



1. A sleeve protector for earth boring drills made of rubber and having an internal opening bounded by convex cylindrical sides joined by short concave portions, the portions radially outside the convex sides being in tension whilst the portions radially outside the concave portions are in compression when the sleeve is stretched over a drill shaft of circular cross-section.

2,242,848
ARTIFICIAL LIMB
Charles Franklin Clack, Mineola, N. Y., assignor of two-thirds to Henry J. Corsette and Charles S. Bennington, Jr., both of Hempstead, N. Y.
Application June 19, 1937, Serial No. 149,227
15 Claims. (Cl. 3—2)

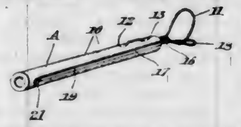


1. An artificial limb supporting belt including anterior and posterior independently movable sections and shaped of semi-rigid material to provide portions adapted to engage at the back and sides of a wearer and terminating short of continuity across the front so as to be devoid of any abdomen traversing portion, means urging said sections toward each other for yieldably gripping the person of a wearer, and means depending from the belt for supporting an artificial limb.

2,242,849
CATALYST AND PROCESS OF PREPARING THE SAME
Jan Louis de Roos, The Hague, Netherlands
No Drawing. Application July 29, 1936, Serial No. 93,229. In the Netherlands August 1, 1935
7 Claims. (Cl. 252—213)

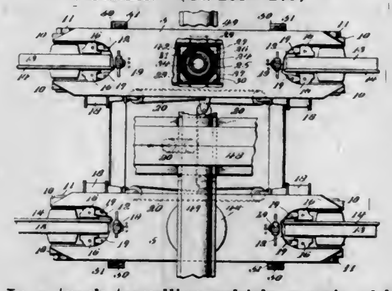
1. The process of making a catalyst which comprises mixing solid pulverized catalytic particles with a finely divided metal medium until the catalytic particles are distributed throughout said medium, applying to the mixture under substantially atmospheric temperature a pressure of some thousands of atmospheres, thereby producing a dense body having an intimate surface contact between the metal medium and the catalytic particles, and then as the final treatment in manufacture applying to the mixture under substantially atmospheric pressure a sufficient temperature of equal intensity throughout the mass over a sufficient period of time to cause only recrystallization of the metal medium, thereby making permanent said intimate surface contact and insuring in this manner effective heat transmission between the medium and said particles.

2,242,850
HAIR CURLER
Lambert Dusseau, Toronto, Ontario, Canada
Application March 16, 1940, Serial No. 324,427
2 Claims. (Cl. 132—42)



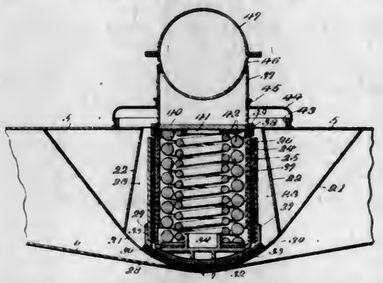
1. A hair curler comprising a tubular body, an elastic member anchored at one end to said body and a spring clip pin connected to the opposite end of said elastic member, said clip pin normally straddling the wall of the body to provide a spring holder for engaging and retaining a wisp of hair to be curled and being designed for insertion within said body to stretch said elastic member from end to end of said body to engage and retain the wound hair when curled thereon.

2,242,851
TANDEM WHEEL TRUCK STRUCTURE
Henry Fort Flowers, Findlay, Ohio
Application May 20, 1939, Serial No. 274,846
7 Claims. (Cl. 105—179)



1. In a track travelling vehicle, a pair of bolsters disposed at front and rear in parallel spaced relation, a truck unit pivotally mounted beneath each end of each bolster and overlying the track gage line, a pair of wheels rotatably supported on each truck unit in tandem relation, and a pair of rigid tie bars disposed in generally parallel relation across each pair of bolster associated truck units with the respective truck unit pivots between them, and means effecting fixed pivotal connections at the tie bar ends with the respective pair of bolster associated truck units at points outside the track gage lines thereby to be effective to cause the truck units of the respective pairs to be spread apart slightly by thrust action of said tie bars during rounding of curves whereby the wheel gage lines will be caused to correspond generally with the track gage lines.

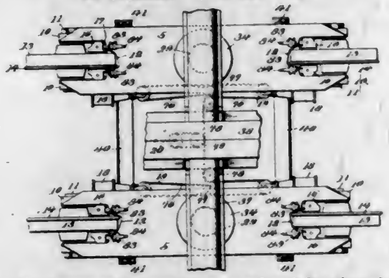
2,242,852
TANDEM WHEEL TRUCK STRUCTURE
Henry Fort Flowers, Findlay, Ohio
Application May 20, 1939, Serial No. 274,847
8 Claims. (Cl. 105—179)



1. In a truck structure for track travelling vehicles, a bolster, a large diameter hollow king post depending from said bolster, a truck unit frame having a pair of wheels rotatably supported thereon in tandem relation and a well portion surrounding said post, a gimbal structure including an inner load supporting sleeve in which said post is oscillatably and telescopically

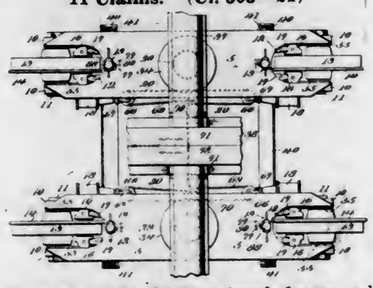
mounted and an outer sleeve supported in said well portion and telescopically surrounding said inner sleeve, means within said post for yieldably resisting telescoping of the post in said inner sleeve, and a live rubber sleeve interposed between and vulcanized to both said sleeves so as to yieldably resist movement of the inner sleeve downwardly in said outer sleeve.

2,242,853
BRAKING EQUIPMENT FOR TANDEM WHEEL TRUCK STRUCTURES
Henry Fort Flowers, Findlay, Ohio
Application May 20, 1939, Serial No. 274,848
11 Claims. (Cl. 188—59)



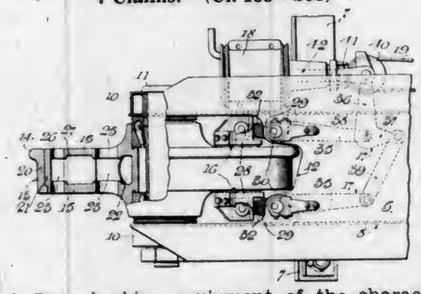
1. In a truck structure, a wheel having laterally presented braking surfaces, a frame having a bifurcated portion in which the wheel is disposed and means thereon for rotatably supporting said wheel in the bifurcation, an individual brake shoe opposed to the braking surface at each side of said wheel, actuator levers fixedly pivoted intermediately of their ends and connected with and supporting said shoes at one end and movable to present said shoes to and withdraw them from said braking surfaces, said frame having parts extending into the bifurcation pivotally mounting said levers on the opposite sides of the wheel and between the periphery of the latter and its axis of rotation, and means including a bell crank lever pivotally connected to one said lever at its other end and link connected to the other lever at its other end for imparting movement of separation to said other lever ends thereby to force the first mentioned lever ends toward each other and the brake shoes against said braking surfaces.

2,242,854
BRAKING EQUIPMENT FOR TANDEM WHEEL TRUCK STRUCTURES
Henry Fort Flowers, Findlay, Ohio
Application May 20, 1939, Serial No. 274,849
11 Claims. (Cl. 303—21)



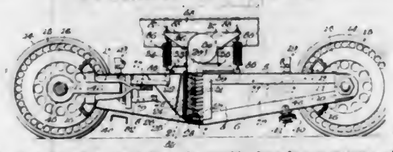
1. In a wheeled vehicle, a truck frame, a brake shoe equipment engageable with and disengageable from a wheel, fluid pressure actuated means for imparting movement to said brake shoe equipment, a normally open valve for controlling the flow of pressure fluid to said pressure actuated means, and means for mounting the brake shoe swingably about a fixed axis coinciding with the axis of rotation of the wheel and directly connected with said valve and movable with said shoe equipment under braking action urge for closing said valve as the braking force exceeds a predetermined maximum.

2,242,855
AIR COOLED BRAKING EQUIPMENT
Henry Fort Flowers, Findlay, Ohio
Original application May 20, 1939, Serial No. 274,848. Divided and this application March 29, 1940, Serial No. 326,779
7 Claims. (Cl. 188—264)



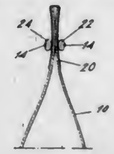
1. In a braking equipment of the character described, a wheel comprising a spider body including a tire receiving rim portion and opposed side walls extending integrally inwardly therefrom and forming an air chamber therebetween, a tire surrounding said rim portion, each said wall having an annular braking surface and a set of apertures communicating between the air chamber in the body and the surrounding atmosphere inwardly and outwardly of each braking surface, and means for simultaneously applying a braking effort to both braking surfaces whereby the heat of friction generated during the braking effort will tend to expand the body tightly into the tire.

2,242,856
BRAKING EQUIPMENT
Henry Fort Flowers, Findlay, Ohio
Application July 25, 1940, Serial No. 347,522
20 Claims. (Cl. 303—22)



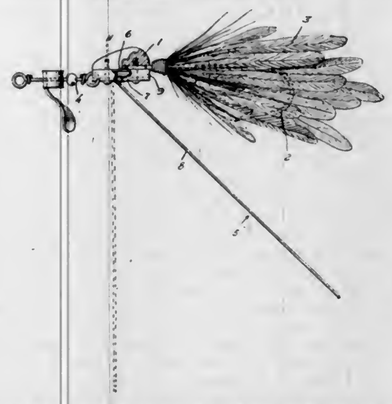
1. In a wheeled truck unit, brake means, fluid pressure operated means for actuating the brake means and including a normally open valve through which pressure fluid may flow freely to control all normal braking functions, means for automatically effecting a partial closure of said valve and relieving applied brake pressure upon attainment of a predetermined maximum of braking pressure to avoid sliding of wheels, spring means for determining said predetermined maximum, and spring means for automatically varying said predetermined maximum accordingly as the load on said truck unit varies.

2,242,857
BAG CLOSURE
Roslyn B. Fortuin, Nazareth, Pa., assignor, by mesne assignments, to Bag Closure Corporation, Nazareth, Pa., a corporation of Pennsylvania
Application May 3, 1938, Serial No. 205,836
3 Claims. (Cl. 229—62)



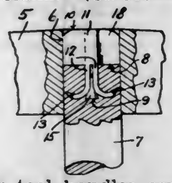
1. A bag closure for fabric bags which is removable by tearing without damage to the bag comprising a cord stitched entirely across one face of the bag with an extension beyond the side of the bag affording a hand grip, said cord having an appreciable thickness and being resiliently compressible to provide a resilient cushion for the stitches to prevent rupture of the individual stitches by the strain due merely to the weight of the contents of the container, the portion of said cord clamped by each individual stitch being of greater tensile strength than the stitch itself and said stitching being of less tensile strength than the material of the bag, and said cord being of a width only slightly exceeding the width of the stitches whereby said bag may be opened without damage by tearing said cord therefrom and the entire effort of a tearing action is concentrated on the first stitches at the side of the bag and upon the stitches adjacent the tear as the tearing action proceeds progressively across the bag.

2,242,858
WEED GUARD AND HOLDER
Higgs B. Franklin, Union Springs, Ala.
Application October 25, 1940, Serial No. 362,865
1 Claim. (Cl. 43—39)



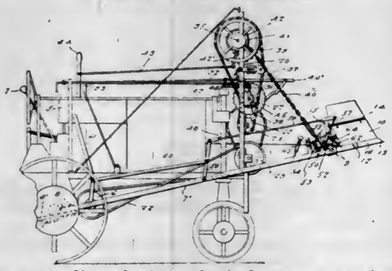
In a fish lure, a body, a holder detachably connected with the bottom of the body, a wire guard having a centrally arranged U-shaped part, the holder having notches therein through which the bight of the U-shaped part passes, the limbs of the U-shaped part having loops extending forwardly, and outwardly and downwardly extending arms connected with the forward ends of the loops.

2,242,859
WEDGE
Harry Jonson Glover, San Bernardino, Calif.
Application February 8, 1940, Serial No. 317,957
1 Claim. (Cl. 306—33)



A wedge for tool handles comprising a substantially triangular head having the major portions of opposite sides thereof bevelled downwardly to form unaligned sharpened edges, spaced parallel arms disposed crosswise of the lower end of the head and extending downwardly from the medial portion thereof with their ends sharpened and their opposed lower portions bevelled and an auxiliary wedge removably carried between the free ends of the arms.

2,242,860
LOADING DEVICE
Adolph Huelle, McClelland, Iowa
Application August 29, 1940, Serial No. 354,748
1 Claim. (Cl. 214—140)

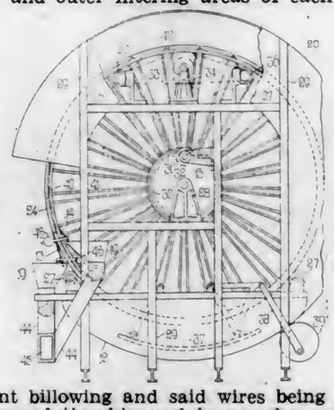


In a loading device, pivoted arms mounted on a tractor, a connecting member joining said arms, means for pivoting said arms by power derived from the tractor, a material gathering means pivoted on said arms to assume load-carrying and load-dumping positions, a pivoted latch for releasably securing said material gathering means in load-carrying position, a latch operating shaft journaled on said arms, means for connecting said latch to said shaft, a cam secured to said shaft, a pivoted cam for coaction with the first cam to actuate the latch and to move the material carrying means toward dumping position after the release of the latch therefrom and the disengagement of the second cam from the first cam, an operating means for the second cam, and a spring restoring means coactive with said operating means to assist the latter in restoring the second cam to its initial position of engaging said first cam.

2,242,861
ROTARY FILTER
Edward Walter Wolfe Keene, Kingston-upon-Hull, England
Application October 10, 1939, Serial No. 298,828
In Great Britain September 24, 1938
9 Claims. (Cl. 210—201)

1. Filter apparatus comprising, in combination, a tank for liquid to be filtered, a filter rotor in the form of a drum which is open at

least at one end thereof and the filter area of the rotor being composed of the aggregation of the separate areas of a circumferential series of chordal filter leaves having inner and outer filtering surfaces providing both inner and outer faces of the drum, a series of separately formed wires disposed at spaced intervals over the entire inner and outer filtering areas of each leaf to



prevent billowing and said wires being in contiguous relationship and in annular continuity around the drum both internally and externally thereof, means for rotating the drum while partially immersed in the liquid, means for passing the liquid from said tank through the filter area of said rotor and for withdrawing filtrate therefrom, and scraper means for removing residuum from both the inner and outer faces of the drum.

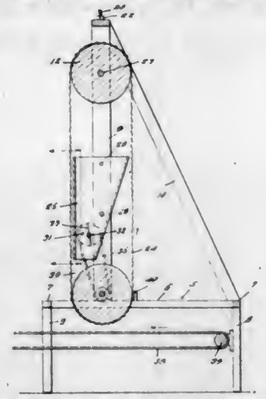
2,242,862
NAIL
Walter G. Lodge, Kokomo, Ind., assignor to Continental Steel Corporation, Kokomo, Ind., a corporation of Indiana
Application September 2, 1938, Serial No. 228,247
5 Claims. (Cl. 85—30)



4. A nail comprising a body having a headed end and a tapered end, said tapered end having a downwardly facing substantially diametrically extending groove, the ends of the groove extending completely through the tapered end from side to side thereof.

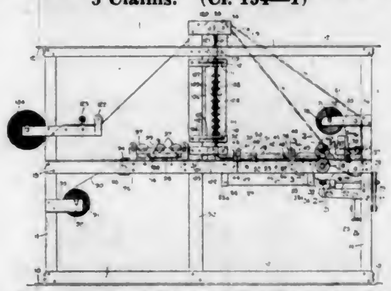
2,242,863
EXTRUDER
Loo R. London, Burley, Idaho
Application December 9, 1939, Serial No. 308,491
2 Claims. (Cl. 146—172)

1. An extruding apparatus comprising a pair of uprights in horizontally spaced relation, upper and lower shafts between the uprights, rolls on the shafts, an endless perforated web trained over the rolls, a hopper mounted between the



uprights and between the flights of the web, and agitating means in the hopper, one side of the hopper being slanted and the other side being disposed vertically and in closed spaced relation with one flight of the web.

2,242,864
APPARATUS FOR MAKING PILE FABRICS
Christopher Luckhaupt, Jamaica, N. Y.
Application June 17, 1939, Serial No. 279,696
5 Claims. (Cl. 154—1)



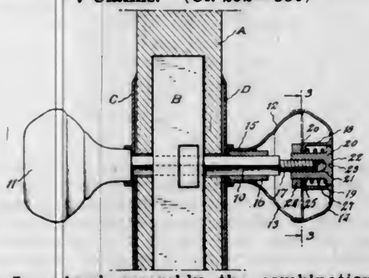
1. In an improved apparatus for manufacturing pile fabric, the combination of a source of supply of warp threads, two pairs of endless chain belts, two series of bars, each series including a plurality of parallelly arranged bars secured at their ends to a pair of the endless chain belts, driving means for moving the series of bars in unison and for maintaining the bars in parallel relation and for driving the same at any desired speed as a unit in a direction transverse to the length of the bars, said driving means being so arranged as to constrain the two series of bars to inter-engage with each other throughout any desired length of the series and in any desired rectilinear path, said driving means causing the two series of bars to form, as they inter-engage with each other in a desired rectilinear path, a throat into which the warp threads from the source of supply are fed into engagement with the bars and to form said warp threads into a sinuous path, and whereby the loops of the sinuously formed warp threads are arranged alternately on opposite faces of the inter-engaging parallel bars, means for applying a web of backing material to the loops of the

warp threads on one of such faces, and means for severing the loops of the warped threads on the face of the parallelly arranged bars furthest from the backing material and separating the warped threads attached to the backing material from the inter-engaging bars.

2,242,865
NICKEL ALLOY
Theodore E. Kihlgren, West New Brighton, Staten Island, N. Y., assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 17, 1940, Serial No. 340,993. In Canada March 16, 1940
5 Claims. (Cl. 75—170)

1. A casting comprising as essential ingredients 0.65% to 2% carbon, 1% to 4% silicon, the silicon and carbon together exceeding about 2% of the alloy, 0.5% to 4% manganese, and the balance substantially all nickel, said casting being characterized by sharp detail and pressure tightness, and by a combination of machinability, adequate mechanical properties and a useful degree of resistance to "scuffing."

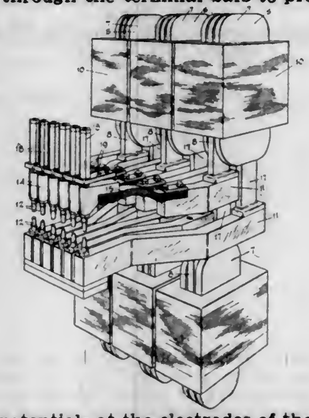
2,242,866
KNOB ASSEMBLY
Oskar Kozlovskis, New York, N. Y.
Application May 24, 1940, Serial No. 336,949
7 Claims. (Cl. 292—350)



1. In a knob assembly, the combination of a knob shell provided with a non-circular bore at its inner side and with a spring barrel at its outer side, the spring barrel provided at its inner end with an annular toothed rack provided with a large number, materially greater than four, of radially extending teeth, a shank having a non-circular portion fitted in the non-circular bore to turn with the knob and having a threaded extension projecting axially into the barrel, a nut in threaded engagement with the threads on the extension, having a head at its outer end slidably and rotatably mounted in the barrel and provided at its inner end with an outstanding flange having an annular toothed rack on its outer side for engaging the rack on the barrel, and a spring in the barrel reacting between the barrel and head tending to maintain the racks in inter-engaged relation and thus normally tending to resist accidental rotation of the nut, the exposed side of the nut head provided with a screw driver kerf whereby a screw driver engaging in said kerf can rotate the nut in either direction feeding the same along the threaded extension of the shank against the tending of the spring to resist accidental relative rotation of the racks.

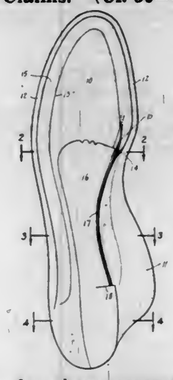
2,242,867
WELDING MACHINE
William H. Martin, Pleasant Ridge, Mich.
Application February 24, 1940, Serial No. 320,625
3 Claims. (Cl. 219—4)

1. In a welding machine, a plurality of transformers having terminal bars contiguously located and having electrodes mounted on the ends of the bars, one set of the electrodes located above the work and the other set located below the work; certain of the bars having flexible parts intermediate their ends; the plurality of transformers electrically connected to the electrodes through the terminal bars to produce op-



posite potentials at the electrodes of the contiguous terminal bars of each set and opposite potentials at the coacting electrodes on opposite sides of the work; means for operating the electrodes to cause the electrodes to engage the work; and means for causing simultaneous flow of current through the terminal bars, the electrodes, and the work.

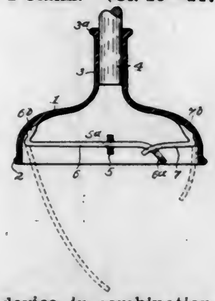
2,242,868
INSOLE FOR SHOES
George E. Musebeck, Danville, Ill., assignor to Musebeck Shoe Company, Danville, Ill., a corporation
Application December 28, 1939, Serial No. 311,327
2 Claims. (Cl. 36—71)



1. An insole for shoes comprising a piece of sole material having the outline of a normal insole with arch supporting extension, and a wedge piece assembled therewith as a unitary structure, said wedge piece being beneath the first and extending beneath one side of the shank portion of the foot, and having its edge adjacent said arch support extension turned downwardly to form a stitch receiving rib, and said first piece having an outwardly directed cut along the outer edge of the shank and about the forepart of the foot forming a stitch receiving rib substantially

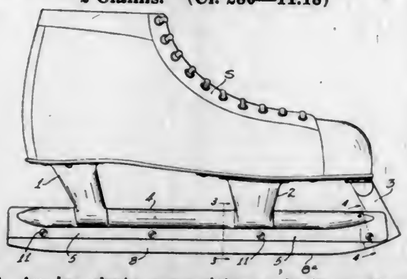
continuous with said first mentioned rib, and having an inwardly directed cut forming a rib parallel with said first mentioned rib and secured thereto.

2,242,869
MOP
Mabel R. Phipps, Waterloo Township, Blackhawk County, Iowa
Application June 6, 1940, Serial No. 339,088
1 Claim. (Cl. 15—147)



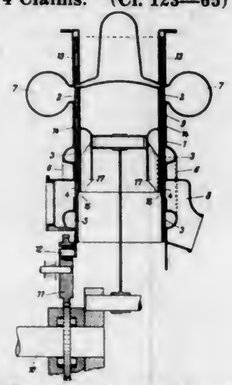
In a mop device, in combination, an elongated rubber cup having a top wall with an upwardly directed hollow neck to receive therein an end of a fitting handle, the cup having spaced parallel side walls and spaced parallel end walls, the cup having also a medial cross partition medially apertured, thickened angular shoulders spaced within the end inner walls and depending and having arm parts of less thickness than the shoulders, the arm parts being of different lengths with the longer arm part having a spadiform termination and the shorter arm part having an elongated terminal slot, and an elongated swab folded upon itself with its folded parts passed transversely through the inner space of the cup at opposite sides of the partition medially to depend from the cup, the longer arm traversing the aperture of the partition, and whereby the spadiform end part thereof may be inserted through the said terminal slot of the shorter arm and then twisted angularly to releasably lock the arms together terminally under the swab.

2,242,870
ICE SKATE
William E. Prosey, Cleveland, Ohio
Application February 18, 1939, Serial No. 257,233
2 Claims. (Cl. 280—11.18)



1. An ice skate comprising a body portion to which the blade is attached, said body portion having a longitudinally extending portion that is closed along the top thereof and having a pair of depending spaced longitudinally extending portions with longitudinally extending ribs upon the inner sides thereof, and having a forwardly closed toe portion with slightly spaced portions opening rearwardly to receive and protect the front end of the blade in either of its two positions, a double-edged reversible blade having a longitudinally extending groove upon each side thereof for detachable slidable engagement with said ribs so as to expose the lower edge of the blade for use and to protect the upper edge thereof within said top portion, and said blade having its forward end adapted for reversible engagement between the said spaced portions of said toe portion.

2,242,871
VALVE ARRANGEMENT FOR TWO-STROKE CYCLE INTERNAL COMBUSTION ENGINES
Leopold Raab, Chemnitz, and Werner Strobel, Siegmar-Schonau, Germany
Application January 21, 1939, Serial No. 252,188
In Germany January 22, 1938
4 Claims. (Cl. 123—65)



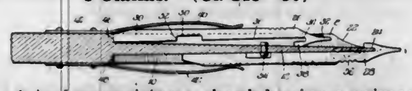
1. In a valve arrangement for a two-stroke cycle internal combustion engine employing equally distributed flow scavenging by crankcase compression, a cylinder and piston, a sleeve valve disposed between said piston and said cylinder, a plurality of superimposed rings of cooperative ports in both said sleeve and said cylinder, comprising exhaust, inlet and transfer ports respectively, and means for imparting a combined reciprocating and oscillating motion to said sleeve whereby the ports in said sleeve are caused to take an elliptical path relatively to the ports in said cylinder and be brought into operative relationship at timed intervals, the individual rings of ports in said cylinder and in said sleeve respectively being arranged in circumferentially staggered relationship one to each other.

2,242,872
LUMINAIRE
Thomas W. Rolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application July 8, 1939, Serial No. 283,329
5 Claims. (Cl. 240—78)



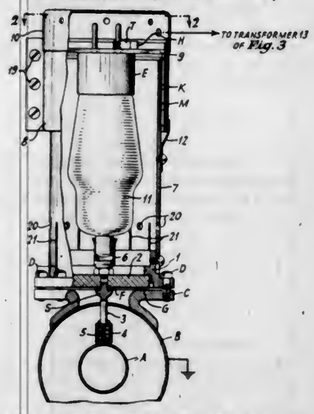
1. The combination with a light source of a light transmitting plate which in transverse section is provided with integral louvers on the light emergent side thereof, the plate having light concentrating prisms which transmit the dominant light between the louvers and in directions to avoid the louvers and emit stray light in directions to fall on the louvers, the louvers having light modifying means.

2,242,873
MULTIPLE HEAD SCREW DRIVER AND THE LIKE
Clyde R. Thompson, Salt Lake City, Utah
Application April 12, 1939, Serial No. 267,367
3 Claims. (Cl. 145—50)



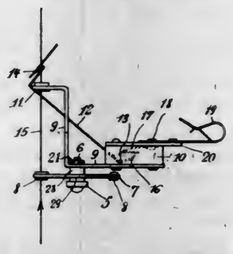
1. A tool comprising a shank having a primary working head provided with one driving blade and provided with at least a longitudinal recess on one side thereof, a supplemental working head having a shank and a driving blade mounted in said recess and movable longitudinally of said recess, said supplemental head having an offset lug spaced from the shank of said supplemental head to provide a slot in alignment with said supplemental driving blade and slidably engaging the bottom wall of said recess, said supplemental working head being adapted to be moved longitudinally of said primary working head to move the same into working position whereby the said primary driving head is engaged in said slot, a pin on one of said shanks, the other of said shanks having a slot adapted to receive said pin and to provide a stop when said supplemental working head is moved into operative position for engagement with said primary working head, an abutment on said primary shank rearwardly of said stop, said pin being disengaged from said slot during engagement of said offset lug with said bottom wall whereby said supplemental working head is movable into inoperative position in abutting relation to said abutment, and means for urging said supplemental head into engagement with said bottom wall.

2,242,874
ENERGY MEASURING SYSTEM
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 12, 1940, Serial No. 313,509
13 Claims. (Cl. 175—183)



1. In an energy measuring system, in combination, a coaxial line carrying energy whose value is to be measured, a vacuum tube, and a support for said vacuum tube mounted on the outer conductor of said line, said support providing an airtight electrical connection between said vacuum tube and the interior of said line.

2,242,875
ELECTRIC STOP MOTION FOR KNITTING MACHINES
Ben Wachsman, Brooklyn, N. Y., assignor to Wachsman Sons', Inc., a corporation of New York
Application April 6, 1940, Serial No. 328,250
1 Claim. (Cl. 66—163)

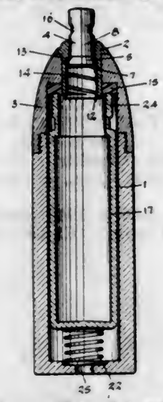


In a combined end detector and knot detector for knitting machines, a unitary article of manufacture comprising a supporting bracket including a horizontal arm and an upright arm, a fixed yarn guiding eyelet in the upright arm, a disk rotatably supported on the horizontal arm below the same a distance below said fixed eyelet, a plurality of yarn guiding eyelets of different sizes mounted in said disk, said disk being adapted to selectively move any one of the eyelets therein into yarn guiding alinement with said fixed eyelet, a bolt in said bracket for rotatably supporting the said disk thereon and for mounting said bracket on a knitting machine, a nut on said bolt for securing said disk after the eyelets therein have been alined as aforesaid and for securing the bolt to the knitting machine, a contact box on said horizontal bracket arm and a gravity actuated lever pivoted on said box to close an electric circuit therein, said lever extending forwardly of said bracket into engagement with a yarn passing through the alined eyelets.

2,242,876
PERFUME DISPENSER
Lee L. Winters, Monroe, Mich.
Application August 8, 1939, Serial No. 288,950
1 Claim. (Cl. 221—104)

In a perfume dispenser, a shell; a removable vial located in the shell; a cover member for closing one end of the shell; a bushing located in the outer end of the cover member and having an inwardly extending ledge; a gasket surrounding the bushing; a spring located in the bottom of the shell for pressing the lip of the vial against the gasket; a piston member having a flaring inner end part loosely fitting the interior of the bushing; a second spring for normally pressing the said flaring part against the corner of said ledge to produce a substantial line contact for sealing the interior of the said bushing and the vial by the pressure of the said second spring; and the piston member having a shank normally protruding from the cover and closely fitting the interior surface of the upper end of the bushing, the shank having a cylindrical surface and a shallow annular channel

having ogee curved surfaces tangential to the cylindrical surface and forming a recess for re-



ceiving liquid from the vial when the piston member is pressed into the bushing.

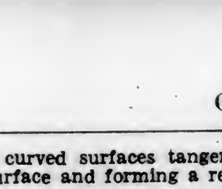
2,242,877

ABRASIVE DISK AND METHOD OF MAKING THE SAME

Frank Osbern Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa

Application March 15, 1939, Serial No. 261,916

10 Claims. (Cl. 51—293)



1. An abrasive disk comprising a backing of fiber board having a plurality of laminations of substantially the same characteristics, said disk having substantially all of its free moisture eliminated and being impregnated with a phenolic condensation resin, and having its back, edges and face sealed with a coating of phenolic resin, and a layer of abrasive particles carried by the face of said disk, and secured thereto by a binder of the same phenolic resin, whereby the structure of the abrasive disk is substantially homogeneous and adapted to maintain its preliminary set without being affected by external moisture conditions, the phenolic resin coating over all parts of the backing of said disk effectively sealing the fiber of the backing in a stabilized moisture condition.

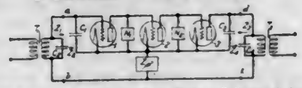
2,242,878

DESIGN OF BROAD BAND REPEATERS

Hendrik W. Bode, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 29, 1939, Serial No. 297,069

8 Claims. (Cl. 178—44)



1. A repeater section for broad band transmission comprising an amplifying repeater at each end of the section, with an intervening line of variable attenuation over the band, each repeater having a stabilizing feedback path, said repeater section as a whole having a transmission characteristic that is flat over a significant portion of the band, the means which renders the transmission characteristic flat comprising in part a nonunity ratio transformer between one of said repeaters and the line, having its high side connected to the repeater and its low side connected to the line, said transformer being terminated on its high side in a capacity serially included in said feedback path.

2,242,879

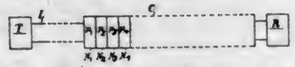
SYSTEM FOR THE TRANSMISSION OF OSCILLATIONS

John Collard, Hammersmith, London, and John Edward Best, West Ealing, London, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application January 11, 1940, Serial No. 313,372

In Great Britain November 4, 1938

20 Claims. (Cl. 178—44)



1. A wave transmission system including a transmission path along which oscillations extending over a range of frequencies are caused to travel and in which range the attenuation of said path varies with the frequency ω substantially as the sum $F(\omega)$ of at least two terms of the form $A_n\omega^n$ and the phase delay of said path varies substantially as the sum of at least two terms of the form

$$A_n \tan \frac{1}{2}n\pi.\omega^n$$

said magnitudes A_n and n to be determined by analysis of the characteristics of the transmission path, said variations causing distortion, and a compensating path associated with said transmission path comprising a plurality of equaliser sections having the same attenuation at zero frequency and attenuations at certain differing reference frequencies p_1, p_2, p_3 . . . p_r . . . equal to said attenuation at zero frequency multiplied by an arbitrary factor, said different reference frequencies being allotted to said sections and thereby distributed in such a way as to correspond to a series of slowly or evenly varying differences of two functions $F(p_{r+1}) - F(p_r)$, thereby substantially equalizing simultaneously said variations of attenuation and phase delay causing distortion.

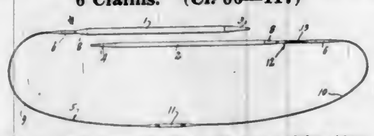
2,242,880

KNITTING DEVICE

Sabel Dunn, Los Angeles, Calif.

Application February 19, 1940, Serial No. 319,704

6 Claims. (Cl. 66—117)



1. In a knitting device, the combination of a pair of knitting points, one of a diameter less than the other, flexible cable means and means for removably connecting the knitting points at the ends of the flexible cable means, including a thread-carrying member removably interconnected between the smaller knitting point and the flexible cable means.

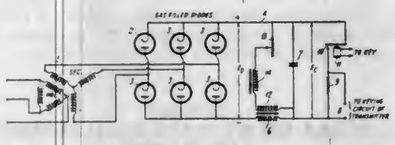
2,242,881

RECTIFIER FILTER

James L. Finch, Patchogue, and George L. Usselman, Port Jefferson, N. Y., assignors to Radio Corporation of America, a corporation of Delaware

Application April 27, 1938, Serial No. 204,586

5 Claims. (Cl. 178—44)



1. In a rectifier-filter circuit arrangement for supplying direct current to a variable load, a capacitor connected across the output leads from said filter, a magnetic-core transformer having a series winding connected between said rectifier and said load and an opposing winding connected in parallel to said capacitor, and means including impedances having inductance and ohmic resistance in series with said opposing winding, whereby the core of said transformer is caused to be saturated when substantially no current traverses said series winding.

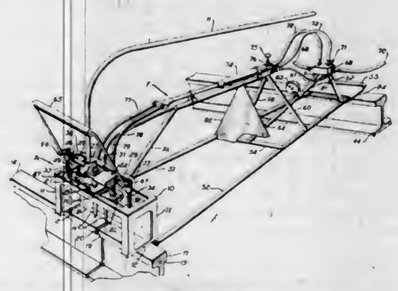
2,242,882

METHOD AND APPARATUS FOR HEAT-TREATING RAILS

Harry S. George, Massapequa, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Original application June 8, 1935, Serial No. 25,567. Divided and this application December 21, 1938, Serial No. 246,960

7 Claims. (Cl. 266—5)



6. Apparatus for heat treating a tread surface area of a rail comprising heating means for directing a group of at least three high temperature heating flames against the tread surface of a rail; means for positioning said heating means in operative relation to the tread surface of said rail with said three heating flames disposed at the apices of a triangle and with one side of said triangle substantially parallel to an edge of said rail and another side of said triangle substantially transverse to an edge of said rail; and means for oscillating said heating means to move said heating flames transversely of said rail within limits defined by the edges of said rail, so as to heat a tread surface portion extending longitudinally of said rail but having at one end thereof a boundary portion which extends in a diagonal direction transversely of the tread surface of said rail.

2,242,883

TREATMENT OF GELATIN

Donald P. Grettie, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application August 24, 1938, Serial No. 226,449

3 Claims. (Cl. 204—158)

1. A process for improving the whipping qualities of gelatin which comprises subjecting dried gelatin to the action of artificially produced ultraviolet rays for a period of time sufficient to effect an improvement in the whipping qualities of the gelatin when the treated gelatin is dissolved in water but said action of the ultraviolet rays being so limited as to avoid subsequent substantial injury to the whipping qualities.

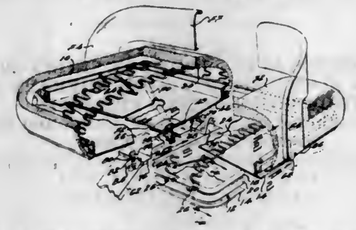
2,242,884

SEAT CONSTRUCTION

Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware

Application August 29, 1938, Serial No. 227,244

4 Claims. (Cl. 155—51)



2. A vehicle seat construction comprising an elongated supporting member extending toward the rear of said vehicle and having a substantially horizontal portion adjacent the rear end thereof, an elongated mounting member disposed over said horizontal portion, means pivotally connecting the rear end of said mounting member to the horizontal portion of said supporting member, means releasably connecting the other end of said mounting member to said supporting member, a spring seat structure having a resilient load supporting surface, said spring seat structure including a backing member disposed under said spring surface, and swivel means located at substantially the media point of said backing member connecting said backing member to said mounting member, whereby said seat structure may be swiveled and tilted back relative to said supporting member.

2,242,885

CONTROL MECHANISM

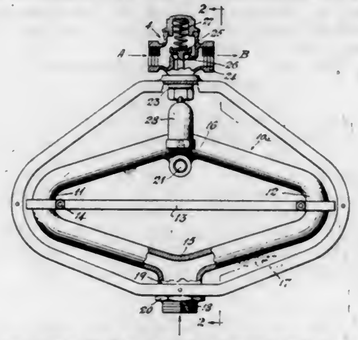
Joseph Heinzel, Copiague, N. Y.

Application September 9, 1937, Serial No. 162,974

12 Claims. (Cl. 122—448)

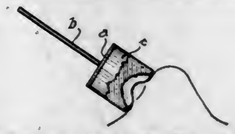
11. In a feed water regulating system, the combination with a boiler and the feed water line thereof, of a member for controlling the flow of feed water to the boiler, a thermostatic control device removed from the boiler and including a thermostatic element bent in the form of a closed loop and arranged to control said member by its expansion and contraction, and con-

duits leading from the steam and water spaces of the boiler and connected to supply boiler steam and water to said control device, the steam and water charged to said device being in pressure equilibrium therein, and said device being so arranged to one side of the boiler that the water rises in said device to a level corresponding to



that in the boiler, said thermostatic element being expanded by the heating action of the steam supplied by the steam conduit as the water level falls, and thereupon actuating the feed water control member to effect feed of water to the boiler.

2,242,886
CONDENSER ELECTRODE FOR SHORT-WAVE AND ULTRA-SHORT-WAVE THERAPY AND METHOD FOR STORING THE SAME
Leo Hirschland, San Francisco, Calif., and Georg Schmidt, Mainz, Germany
Application March 8, 1935, Serial No. 9,998
In Germany March 13, 1934
14 Claims. (Cl. 128—413)

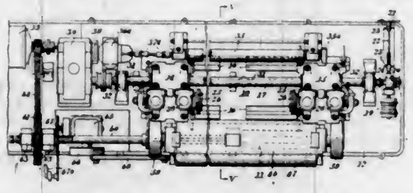


1. A condenser electrode for short-wave and ultra-short-wave therapy, having its dielectric material of paraffin which is easily shapable, plastic, and non-elastic, and which after having been manually molded retains the shape imparted to it.

6. A condenser electrode for short-wave and ultra-short-wave therapy comprising a dielectric layer, and a second dielectric layer fixed thereto, the layers having different dielectric constants, and one of the layers being constituted of a manually moldable substance having a free manually moldable surface, and the moldable substance being inelastic so as to retain its molded shape after manual molding.

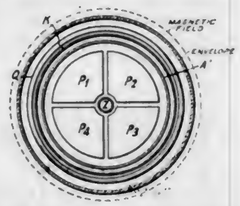
2,242,887
SCRAP CHOPPER FOR EDGE TRIMMING SHEARS
John C. Holdgate, William P. Donald, and Donald A. McArthur, Warren, Ohio, assignors to The Wean Engineering Company, Warren, Ohio, a corporation of Ohio
Application May 15, 1939, Serial No. 273,696
3 Claims. (Cl. 164—10.6)

1. Apparatus for shearing to length a plurality of strips comprising a relatively stationary blade holder, a pair of axially alined rotors journaled in bearings in said blade holder, a separable driv-



ing connection between said rotors, a cutting blade secured in said holder, and a cooperating cutting blade secured in one of said rotors.

2,242,888
ULTRA SHORT WAVE OSCILLATION GENERATOR
Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 7, 1939, Serial No. 249,737
In Germany February 16, 1938
4 Claims. (Cl. 250—36)

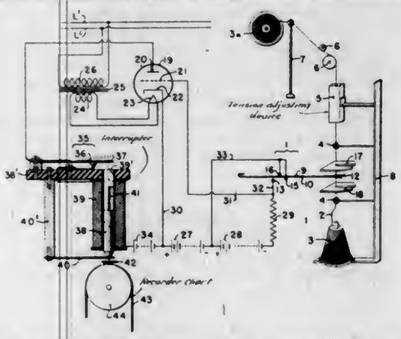


4. An electron oscillator comprising an evacuated envelope, a plurality of electrode structures bounding an orbital space and having adjacently disposed open ends, means for discharging electrons into the space bounded by one of said electrode structures, means for causing said electrons to traverse curved paths of decreasing radii past said electrode structures, a tuned circuit connecting said electrode structures and arranged to subtract energy from said electrons to thereby generate and sustain oscillatory currents in said circuit, a collector electrode arranged within said orbital space near the periphery thereof for gathering electrons whose motions are out-of-phase with respect to the circulating electrons, and a connection between said collector electrode and said tuned circuit.

2,242,889
MEANS FOR INDICATING DEFECTS IN THREAD
Earl A. Keeler, Norristown, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 31, 1938, Serial No. 199,119
6 Claims. (Cl. 73—51)

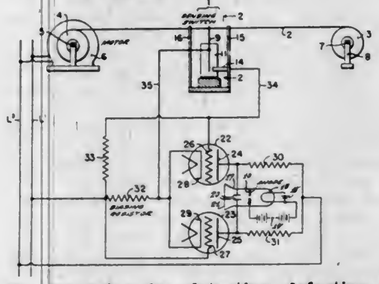
1. In apparatus for detecting defective filaments in a thread, detecting means disposed in the path of the thread and adapted to detect said defective filaments, means for relatively moving said thread and said detecting means, a source of electrical current, relay means, gaseous discharge valve means under control of said detecting means, a circuit connection including said relay means, said gaseous discharge valve

means, and said electrical current source, means under control of said relay means to influence



said circuit connection, and recording means controlled by said influencing means.

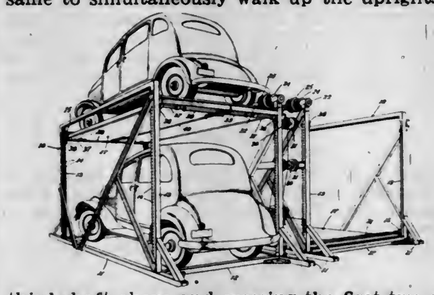
2,242,890
MEANS FOR INDICATING DEFECTS IN THREAD
Earl A. Keeler, Norristown, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application December 29, 1936, Serial No. 118,095. Divided and this application April 9, 1938, Serial No. 201,130
4 Claims. (Cl. 73—51)



1. In apparatus for detecting defective filaments in a thread, a normally balanced Wheatstone bridge comprising a pair of electronic valves in two opposite arms thereof and similar resistances in the remaining arms, the said electronic valves each comprising an anode, grid and a cathode, a source of alternating current voltage for said bridge, a cathode ray tube comprising a fluorescent screen, anode, cathode, and a pair of deflecting plates, said deflecting plates being connected across the balancing connections of said bridge, a source of direct current voltage for said cathode ray tube, detecting means disposed in cooperative relation with said thread adapted to detect said defective filaments, and means for relatively moving said thread and detecting means adapted under control of said defective filaments to vary the flow of anode current through one of said electronic valves.

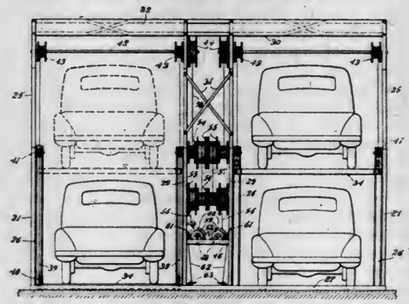
2,242,891
STORAGE RACK
Oliver A. Light, East Orange, N. J.
Application April 3, 1940, Serial No. 327,683
7 Claims. (Cl. 254—89)

1. A storage rack comprising an open frame having corner uprights, rotatably mounted toothed wheels, a pair of parallel shafts carrying pairs of said toothed wheels, cable actuated drums, one on each said shaft, for rotating the said shaft and toothed wheels and causing the same to simultaneously walk up the uprights, a



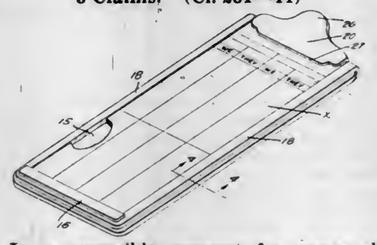
third shaft above and crossing the first two said shafts and having drums over said two shafts for actuating the cables therefrom simultaneously, and power increasing drums and cables for actuating the third shaft by hand operation.

2,242,892
STORAGE RACK
Oliver A. Light, East Orange, N. J.
Application February 21, 1941, Serial No. 379,968
11 Claims. (Cl. 254—144)



1. A storage rack providing two vertical tiers of storage spaces for vehicles, said rack having intermediate frame sections spaced apart and braced with respect to each other, an elevator platform in each tier space, means for elevating said platforms, and operating mechanism for each elevator platform, said mechanism being situated in the space between the intermediate frame sections and accessible for operator manipulation each at the same side of the rack.

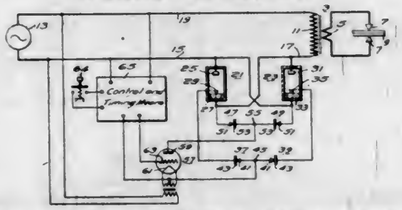
2,242,893
BRIDGE SCORE SHEET HOLDER
Sidney Linder, New York, N. Y.
Application October 28, 1939, Serial No. 301,840
3 Claims. (Cl. 281—44)



1. In a reversible support for paper sheets,

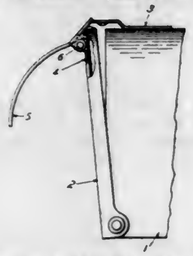
comprising a flat plate having lateral border rails connected at one end, a bead connecting said rails at their opposite ends, two clamp jaws individually pivoted to said bead on a common axis to extend over the adjacent portion of said plate on opposite sides thereof, said plate constituting a jaw common to both pivoted jaws, a handle on each jaw extending past their pivotal axis, and an expansion spring carried between said handles.

2,242,894
CONTROL SYSTEM
Frederick W. Lyle, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 30, 1939, Serial No. 282,174
15 Claims. (Cl. 250—27)



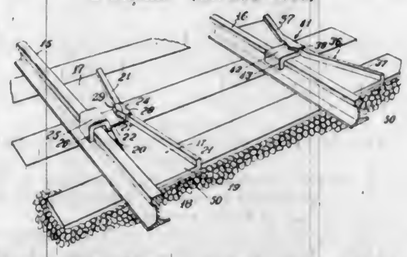
14. In combination, a pair of electric discharge devices of the immersed-ignition-electrode type connected in anti-parallel for controlling the supply of power from a source to a work circuit, each discharge device having a pair of principal electrodes and a starting electrode immersed in said cathode, two unilaterally conductive current paths having a common junction and a set of like terminals connected respectively to opposite principal electrodes of said discharge devices, a network having an intermediate terminal, said network being connected between the starting electrodes of said discharge devices and means including a control electrode to control current flow between said set of like terminals and said intermediate terminal through said common junction.

2,242,895
LEVER HANDLE FOR RURAL MAILBOXES, OR DOORS, OR LIDS
Grant Arthur Roe, Middletown, N. Y.
Application July 19, 1939, Serial No. 285,357
2 Claims. (Cl. 292—254)



1. A fastening and releasing device for a closure for a receptacle comprising a fastener including a double acting spring wiper bar secured to the receptacle and having means to engage a cooperating part on the closure to yieldingly retain the latter in closed position, said wiper bar having an extension projecting a short distance beyond the closure when in closed position, a forcing lever having a long and short arm securely fastened to said closure by means of a bracket and pivot, and located in alignment with said wiper bar, the long arm of said lever constituting an operating handle, the short arm being adapted to engage the wiper bar extension whereby force applied to said handle will cause said lever to rock on said pivot until the short arm of said lever comes in contact with the above mentioned wiper bar whereupon initial pressure will cause release of the closure fastener and continued pressure force the closure open.

2,242,896
RERAILING FROG
Alex L. Sawdy, Milwaukee, Wis.
Application April 15, 1940, Serial No. 329,743
1 Claim. (Cl. 104—265)

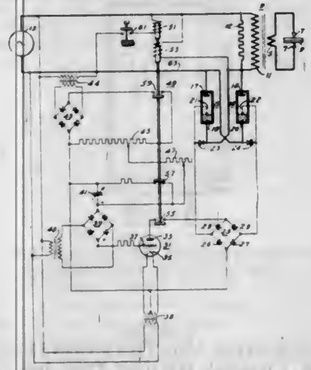


A rerailing frog composed of an elongated skeleton casting having a base, spaced apart side walls and a top inclining upwardly from both ends of the casting and terminating at a distance removed from opposite sides of the transverse median line of the casting to provide a socket extending to the base of the casting, the side walls coincident with the socket being recessed to a point beneath the plane of the inclining top surfaces adjacent the socket, and a guide and anchor block, the body portion whereof is adapted to extend downwardly toward the bottom of said socket while the top of the block extends beyond the sides of the body portion and seats on the recessed side walls, said top having upwardly disposed wheel flange guiding surfaces adjacent one end while the other end extends beyond the side of the casting and terminates in a downwardly extending flange adapted to overlap the head of a track rail and to engage the opposie side thereof, said block being loosely mounted in said socket to compensate for vertical movement of the casting and block and to adapt the rerailer to variations in track-rail size.

2,242,897
CONTROL SYSTEM
Russell W. Staggs, Detroit, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 30, 1939, Serial No. 282,175
12 Claims. (Cl. 250—27)

1. In combination, a pair of electric discharge devices connected in anti-parallel for controlling the supply of power from a source to a work circuit, each discharge device having a plurality of principal electrodes and an ignition electrode in contact with one of the said principal electrodes, a network connected between the said ignition electrodes, the said network comprising a plurality of rectifiers, an auxiliary electric discharge device connected across the said network, control means associated with the said auxiliary

discharge device for controlling the flow of current through the said network and thereby con-



trolling the energization of the said pair of discharge devices.

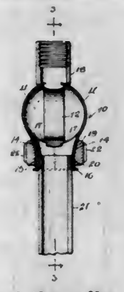
2,242,898
INFANT'S WEAR
Marjorie Tilley Switz, East Orange, N. J.
Application May 24, 1939, Serial No. 275,335
4 Claims. (Cl. 2—111)



1. In infant's wear, a shirt, a band attached to the shirt near its waist region and adapted to be passed around the infant's body in opposite directions to encircle the infant's waist and presenting free ends, a diaper, a band attached to one extremity of the diaper and having free ends, said diaper being applied by wrapping certain extremities around the buttocks of the infant and overlapping said extremities, passing the band bearing extremity of the diaper past the infant's crotch and to a position adjacent said first-mentioned overlapping extremities, said diaper band ends thus being adjacent the shirt band ends after encircling the infant, whereby each of said free ends of the shirt band is engageable with one of the free ends of the diaper band, and whereby the shirt band ends hold and support the diaper wrapped around the infant and the diaper holds the shirt down.

2,242,899
FITTING
Leopold Armbruster, New York, N. Y.
Application June 20, 1940, Serial No. 341,400
1 Claim. (Cl. 285—96.5)

A fitting for electrical fixtures of the type adapted to accommodate electric wires comprising a pair of cup-shaped members convex on the outside and concave on the inside arranged in spaced confronting relationship and having depending portions in contact with each other and forming a tubular neck, a substantially circular band positioned between the cup-shaped members and rotatably shiftable with respect thereto and having laterally projecting flanges engaging the inner surface of the cup-shaped members, said circular band having a tubular neck attached thereto and communicating with the space in the interior thereof, and a collar disposed around the first mentioned neck for retaining the members in assembled relationship, the said cup-shaped members and circular band forming a substantially spherical chamber and the tubular necks communicating with the interior thereof, the tubular necks and chamber being free from obstructions so as to provide a maximum amount of space for the accommodation of electric wires, said first mentioned neck



being tapered and the collar being shiftable between the upper end so as to exert pressure to cause the cup-shaped members to clamp the circular band against accidental release, and a position adjacent the lower end of the neck so as to permit the shiftable member to be released from between the cup members, and said same tubular neck being provided with means adjacent the bottom thereof to prevent complete withdrawal of the collar so that the cup-shaped members are permanently retained in coupled relationship.

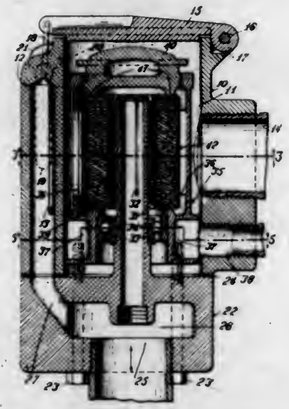
2,242,900
COMBINATION IMPLEMENT
Jacob Armin Bender, North Bergen, N. J.
Application December 2, 1938, Serial No. 243,575
1 Claim. (Cl. 30—335)



In a tool holder, a case open at one side, a cutter fitted and slidably mounted in said case, said cutter having an opening, said case adapted to hold said cutter in various positions, said case formed with a guide slot, and a guide opening, said guide slot of said case arranged to register with said opening of said cutter to hold said cutter in various positions and to limit the extent of the movement of said cutter relative to said case, said guide opening of said case having its wall adapted to retain and hold said cutter either in longitudinal or angular position relative to said case, a fastener to hold the parts together, said fastener passing through said guide slot of said case and through said opening of said cutter, and a retainer engaging with said fastener, said retainer adapted for and capable of retaining all parts locked against movement in any po-

sition permitting quick release and adjustment to lock and hold said cutter either withdrawn within said case or in its adjusted positions for use.

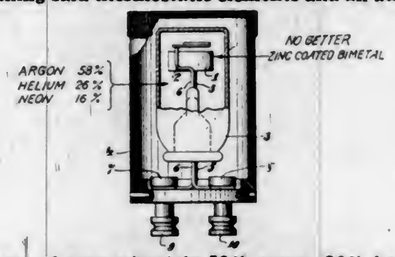
2,242,901
STRAINER CLEANING DEVICE
Thomas Henry Birch, Milwaukee, Wis.
Application March 16, 1940, Serial No. 324,303
8 Claims. (Cl. 15—20)



1. A device of the character described comprising a casing provided with a cylindrical chamber open at the top and having a discharge opening through one side of the casing and upwardly disposed passages in the opposite side of the casing terminating in ports communicating with said chamber at an angle to the diameter thereof; a chambered bottom member for said casing, having an inlet opening adapted to be connected with a pressure medium supply and provided with a hollow spindle disposed centrally upward in the casing chamber and having a discharge port in its side, the lower end of the hollow spindle being in communication with the chamber in said bottom member; a combined rotor and strainer holding cage rotatably mounted on said spindle within the casing chamber, the upper cage portion being adapted to hold a cylindrical strainer, while the lower portion is provided with a plurality of circumferentially arranged vanes; and means adjustably secured to said cage whereby the cylindrical strainer is immovably held in said cage portion; the bottom member having passages for establishing communication between the chamber in the bottom member and said upwardly disposed passages in the casing wall, whereby medium under pressure from the chamber in the bottom member will discharge against the vanes and cause the strainer holding cage to revolve about the spindle, a second portion of the medium will discharge through the port in the spindle and made to pass through the strainer, while a third portion of said medium will discharge into said casing chamber against the outer surfaces of the strainer and cage.

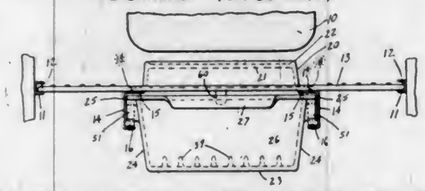
2,242,902
STARTER SWITCH
Charles Chirelstein, Newark, N. J.
Application January 16, 1941, Serial No. 374,614
4 Claims. (Cl. 250—27.5)

1. A starting switch for gaseous discharge devices, comprising cooperating thermostatic switch elements of unlike metals, a sealed envelope containing said thermostatic elements and an atmos-



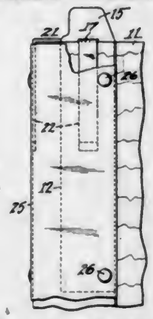
phere of approximately 58% argon, 26% helium and 16% neon sealed in said envelope.

2,242,903
REFRIGERATOR AND TRAY CONSTRUCTION
Henry H. Crimmel, Hartford City, Ind., assignor to Sneath Glass Company, Hartford City, Ind., a corporation
Application March 14, 1938, Serial No. 195,768
14 Claims. (Cl. 62—103)



1. The combination with a slidable tray and a pair of tray support spaced tracks at the sides thereof, of a plurality of spaced elevating surface providing portions upon each track and projecting toward the adjacent tray side, and a similar number and similarly spaced means projecting from each tray side and toward the adjacent track for surface engagement.

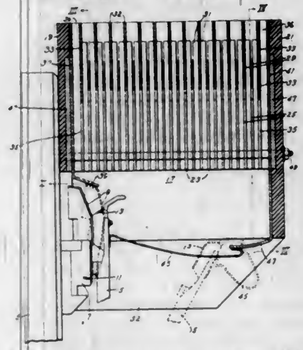
2,242,904
CORNER STAY AND STACKING GUIDE
Philip N. Curtis, Worcester, Mass., assignor to Baker Box Company, Worcester, Mass., a corporation of Massachusetts
Application December 20, 1937, Serial No. 180,810
7 Claims. (Cl. 217—69)



1. In a bottle crate, a corner reenforcement comprising a vertically disposed outer corner piece engaging the outer vertical surfaces of said crate at both sides of a corner edge, a vertically disposed inner stay member of angular cross section secured in a vertical inner corner of said crate and engaging the inner vertical surfaces

of said crate at both sides of said corner angle and inwardly opposite said outer corner piece and having a stacking guide extension at its upper end and slots in its side walls near said upper end, and additional reenforcing means seated in said slots and having portions secured outside said crate and between said crate and said outer corner piece, the upper end portions of said reenforcing means extending upward inside the stacking guide extension of said inner stay member and abutting and supporting said extension against inward lateral displacement.

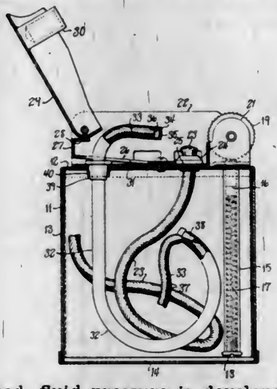
2,242,905
CIRCUIT INTERRUPTER
Robert C. Dickinson and Robert H. Nau, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 11, 1939, Serial No. 261,240
12 Claims. (Cl. 200—147)



1. In a circuit interrupter, means of insulating material defining an arc passage of considerable length having a V-shaped cross section, a terminal conductor adjacent each end of said arc passage, means for establishing an arc between said terminal conductors in the enlarged portion of said arc passage, means for moving the arc laterally between said terminal conductors to the restricted side of said arc passage, vent passages for said arc passage communicating with at least the restricted side thereof, and means for causing the ends of the arc to be moved over their respective terminal conductors at a rate to provide a cold cathode terminal at each conductor, said vent passages being dimensioned to enable said arc to play in the restricted portion of said arc passage without bowing or looping into the vent passages.

2,242,906
POCKET LIGHTER
William E. Evans, Waterbury, Conn., assignor to The Waterbury Lock & Specialty Company, Milford, Conn., a corporation of Connecticut
Application August 26, 1939, Serial No. 291,993
3 Claims. (Cl. 67—7.1)

1. A lighter comprising: a main reservoir; a burner fed with fuel from said main reservoir; a torch-reservoir including a torch adjacent said burner, which torch is adapted to be heated by the flame from said burner; said torch-reservoir having passage-means communicating with said main reservoir; and means constructed and arranged to automatically cause a supply of fuel to pass from said main reservoir to said torch-reservoir and to automatically prevent substantial leakage of fuel from said torch-reservoir back into said main reservoir during operation of said torch, whereby when said torch and fuel therein is heated, fluid pressure is developed in said torch which is substantially greater than the pressure in said main reservoir.



2,242,907
AMMUNITION
Walter L. Finlay, Bridgeport, and William O. Stauffer, Fairfield, Conn., assignors to Remington Arms Company, Inc., a corporation of Delaware
Application June 30, 1938, Serial No. 216,738
12 Claims. (Cl. 102—15)

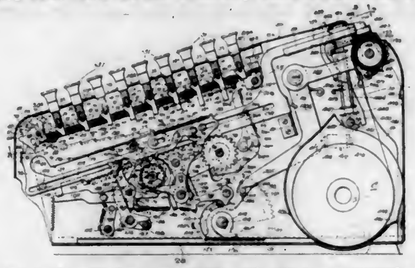


4. In a shot shell, the combination comprising a substantially cylindrical body of wax impregnated deformable material and an exteriorly planar end closure integral with said body and flush with the end thereof, and comprising a plurality of abutting segments and folds joining said segments, said closure including the segments and folds being integral with said body, and a thermoplastic adhesive seal affixed to said planar end closure.

2,242,908
ADDING AND RECORDING MACHINE
Max Garbell, Chicago, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Illinois
Application March 24, 1934, Serial No. 717,156
3 Claims. (Cl. 235—60)

1. In an adding machine having accumulator wheels and actuators therefor, a driving mechanism, lock arms engaging and retaining said actuators in initial position, each of said lock arms being under the control of an accumulator wheel for locking or releasing the coacting actuators, said lock arms extending to the driving mechanism, means on the driving mechanism normally effecting the release of the lock arms from the actuators upon each operation of the driving mechanism, a total and a sub-total key, operative connections between the total and sub-total keys and the means, on the driving mech-

anism for rendering said means ineffective to release said lock arms whereby said lock arms are



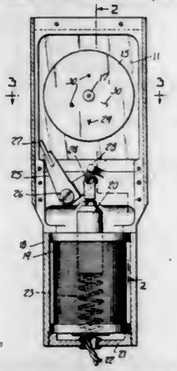
then left under control of the accumulator wheels.

2,242,909

GAME DEVICE AND IMPELLER THEREFOR

Emanuel B. Gottlieb, Brooklyn, and Mario A. Besozzi, Maspeth, Long Island, N. Y., assignors to Robert Kesler, Tow Path, New Hope, Pa.

Application November 24, 1939, Serial No. 305,754
4 Claims. (Cl. 273—142)



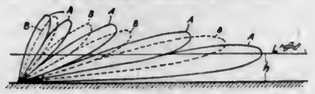
1. In a game device including a freely-rotatable disc, an impeller comprising a bendable resilient finger mounted for movement in the plane of the disc between two end positions, the finger being so mounted that when it moves from one end position to the other it encounters and snaps past the edge of the disc, a solenoid, and a bell-crank lever mounted on the device carrying said finger and articulated to the core of said solenoid, whereby the latter controls the movements of said finger.

2,242,910

RADIO CONTROL SYSTEM FOR GUIDING AIRCRAFT

Walter Max Hahnemann, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Lorenzweg, Germany, a company

Application December 13, 1938, Serial No. 245,362
In Germany December 10, 1937
9 Claims. (Cl. 250—11)



1. In a system of guiding aircraft by the radiation of a high frequency transmitter system, the method comprising producing multi-lobe radiation diagram having a plurality of maximum and minimum regions in a vertical plane, producing a second multi-lobe radiation diagram having a plurality of maximum and minimum regions in said vertical plane, the maxima of said second radiation diagram corresponding with the minima of said first named pattern to provide overlapping zones of predetermined length and spacing in a horizontal direction in which the aircraft moves from one diagram to the other, and obtaining by traversing these zones to determine their length the distance of the airplane from the said transmitter.

2,242,911

COMPOSITION OF MATTER AND METHOD AND STEP OF MAKING AND USING THE SAME

Mortimer T. Harvey, East Orange, N. J., assignor to The Harvel Corporation, a corporation of New Jersey

No Drawing. Application May 3, 1939, Serial No. 271,515
10 Claims. (Cl. 167—24)

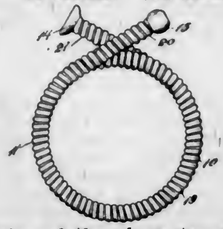
1. In an insecticide, in combination, an insecticidal rotenone product, a petroleum oil, and a phenol-aldehyde condensation product, the phenolic nucleus of which has a long hydrocarbon chain characteristic of the phenols of cashew nut shell liquid, which said condensation product is a common solvent for said rotenone product and said petroleum oil.

2,242,912

COMBINED NOVELTY WIND MUSICAL INSTRUMENT AND BRACELET, FINGER RING, AND THE LIKE

Catherine L. Healy, Attleboro, Mass.

Application February 24, 1941, Serial No. 380,114
10 Claims. (Cl. 63—1)



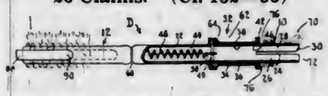
8. A device of the character described comprising a tubular member having an inner surface provided with a helical curved groove therein extending the length thereof and providing an air chamber open at each end and the walls of which are capable of causing vibration of air blown therethrough from either end for producing a musical sound, said tubular member being bent in the form of an ornament for personal wear, and with the ends of said tubular member spaced from each other.

2,242,913

HAIR-CURLING DEVICE

Leonardo Ingrassia, Massapequa, N. Y., assignor to Henry L. Burkitt, New York, N. Y.

Application October 19, 1937, Serial No. 169,774
26 Claims. (Cl. 132—33)



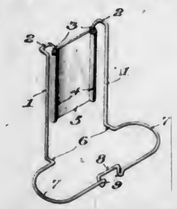
1. Apparatus for use in forming curls in hair, which comprises a mandrel for winding hair thereon to form the curl, and a backing member on the mandrel to cooperate with the mandrel during the winding operation, the backing member providing means for removing a formed curl from the mandrel after the curl has been wound.

2,242,914

TOBACCO CAN ATTACHMENT

Walter F. Knox, Montrose, S. Dak.

Application August 15, 1939, Serial No. 290,246
10 Claims. (Cl. 206—38)



1. A tobacco can attachment composed of a spring member having a cigarette paper package holder to yieldably hold the package and to provide for the insertion of a match book between the package and the front of the can, curved snap spring side jaws connected to the holder and engaged over the front, rear and sides of the can to removably support the attachment on the can, said spring member having a pair of spaced legs, and a panel having its sides provided with rolled portions receiving the legs therein.

2,242,915

RESILIENT WHEEL

Carlo D. Koski, Minneapolis, Minn., assignor of one-half to John A. Kaneski, Minneapolis, Minn.

Application April 15, 1937, Serial No. 137,018
4 Claims. (Cl. 152—7)



1. A wheel structure or the like comprising a one piece resilient element having spaced ground engaging surfaces of revolution on a common axis, and oppositely positioned apertured portions on said axis pressed inwardly toward each other a distance substantially as great as half the length of said axis, and portions between said surfaces of revolution, said last mentioned portions forming adjacent side walls of a multiple wheel construction.

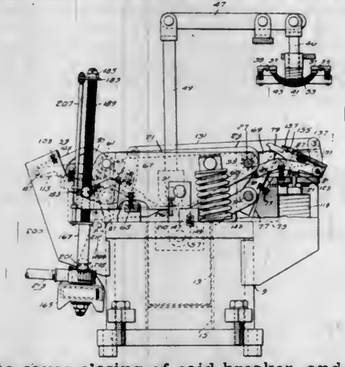
2,242,916

CIRCUIT BREAKER MECHANISM

Howard G. MacDonald, Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 21, 1940, Serial No. 341,613
16 Claims. (Cl. 200—89)

1. In combination, a circuit breaker, power operated closing means for closing said breaker, a non-trip-free tripping means effective to trip said breaker in response to predetermined abnormal conditions at certain times, trip-free tripping means effective to trip said breaker in response to predetermined abnormal conditions at other times, manually operable means operable to cause closing of said breaker, and means operable to automatically place said breaker under the control of said trip-free tripping means whenever the breaker is being closed in response to operation of said manually operable means.

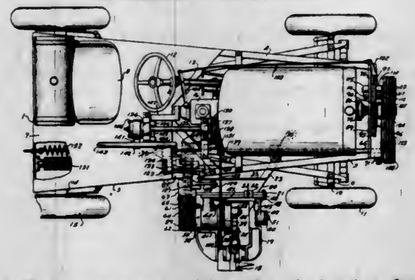


2,242,917

MOWING MACHINE

Fred P. Martin, Topeka, Kans.

Application October 3, 1938, Serial No. 233,007
12 Claims. (Cl. 56—25)



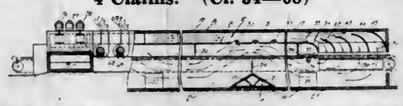
1. In a mowing machine chassis having front and rear wheels, a power shaft, a sickle shoe, arms connected with the sickle shoe, ball and socket joints located in axial alignment with the power shaft and between said front and rear wheels for flexibly connecting the arms with the chassis in the axis of the power shaft, a sickle operating shaft on the shoe, and a driving connection between said shafts.

2,242,918

DEHYDRATOR

Harvey W. Muth and Louis M. Stamberg, Allentown, Pa., assignors of one-half to said Stamberg and one-half to William H. Gackenbach, Allentown, Pa.

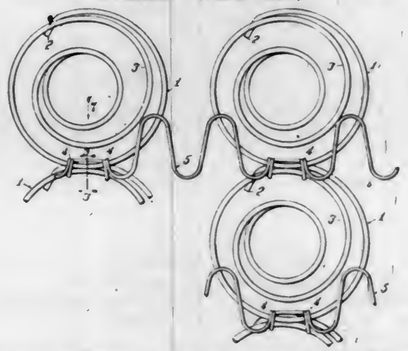
Application September 30, 1937, Serial No. 166,506
4 Claims. (Cl. 34—68)



1. In a dehydrator, a heating medium passageway in said dehydrator, an endless perforated

conveyor beneath said passageway, means for forcing a heating medium through said passageway and downwardly through said conveyor so that a mat of forage crop carried by said conveyor will be maintained thereon, a heating medium by-pass located near one end of said conveyor and communicating with said passageway whereby a portion of said heating medium may be by-passed around said conveyor, and means for conducting said heating medium and said by-passed heating medium to the atmosphere.

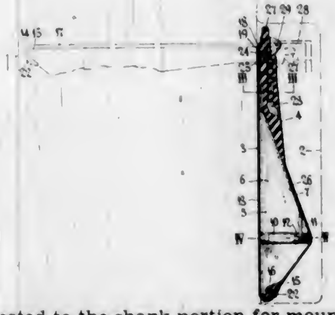
2,242,919
SPRING ASSEMBLY FOR UPHOLSTERY
Fred A. Nachman and Fred R. Zimmerman, Chicago, Ill.
Application April 5, 1939, Serial No. 266,047
1 Claim. (Cl. 5—267)



A spring assembly for upholstery comprising a series of parallel rows of upholstery springs with the terminal coils of the springs of one row disposed in overlapped relation to the springs of an adjacent row or rows thereof, a series of flat sinuous wire springs having alternately oppositely disposed equal bends equally spaced apart disposed in part in overlapping relation to the overlapped portions of the terminal coils of springs of the several rows thereof with said overlapped portions of said springs disposed between the side edges of the sinuous springs, the upholstery springs of each row being spaced apart a distance equal to the spacing apart of a predetermined number of the bends of the said sinuous springs, median lines of the last-named bends lying in transverse vertical planes of the axes of opposed springs of the two rows overlapped by one of said sinuous springs, said bends of the latter aligned with said planes being coiled about said overlapped terminal coils of the springs of two of said rows to couple the same, the spacing apart of said bends of said sinuous springs constituting a means for fixing and varying the spacing apart of the springs of the several rows of the latter, the portions of the sinuous springs disposed between the bends thereof which are coiled about and couple the springs of one row with those of another affording resilient connections between opposed pairs of springs of two contiguous rows of the latter.

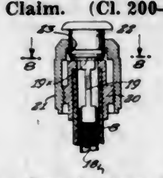
2,242,920
DIRECTION INDICATOR
William E. Oshei, Brentford, England
Application December 5, 1936, Serial No. 114,410
6 Claims. (Cl. 177—329)

2. A direction indicator for motor vehicles, comprising a hollow arm formed with light transmitting sides and provided with an inner shank portion and an outer chambered portion, the chamber being accessible through an opening in the edge of the arm, a closure for the open edge of the chamber, and a mounting member



connected to the shank portion for mounting the arm and provided with a shaft bearing, said closure being provided with means for securing it to the arm, said means including a part interlocking with the shaft bearing for securing the adjacent end of the closure in position.

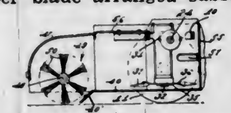
2,242,921
EXPULSION FUSE HOLDER FOR HIGH TENSION ELECTRIC CONDUCTORS
Laurie F. Parker, Noroton, and George W. Whitney, Stamford, Conn.
Application December 2, 1939, Serial No. 307,250
1 Claim. (Cl. 200—127)



In expulsion fuse holders for electrical conductors, a casing and a cover therefor, an abutment carried internally of the cover, a headed fusible element having its head engaging said abutment, spring means for moving one end of the cover away from the casing, an electric conductor cable connected to the headed fusible element and to spring means for restraining the latter against action, through the engagement of the fusible element head with said abutment, a contact carried by the casing, a cap surrounding the headed fusible element and threaded on the abutment and a contact post passing through an aperture in the end of the cap and adapted to be guided by the walls of said aperture for endwise movement relatively to the cap and relatively to the fusible element head, said contact post being adapted to simultaneously engage the headed fusible element and the casing contact and to be held in such relation by the cap, the cap being adapted to move longitudinally of the contact post without disturbing its operating position.

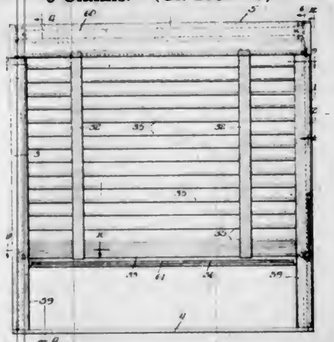
2,242,922
DISPOSAL APPARATUS FOR FALLEN LEAVES
Ralph R. Poynter, Lebanon, Ind.
Application December 18, 1939, Serial No. 309,724
5 Claims. (Cl. 55—118)

2. Apparatus for disposing of fallen leaves, comprising a brush, a perforate platform arranged adjacent the brush to receive its discharge, means for actuating the brush to cause it to deliver leaves from the ground to said platform, a beater blade arranged substantially in



a horizontal plane above and closely adjacent the perforate platform and having its opposite ends so distorted as to form a blower blade, and means by which said blade may be rotated about a substantially vertical axis at a relatively high speed.

2,242,923
VENETIAN BLIND
Raymond C. Pratt, Chicago, Ill., assignor to H. B. Dodge and Company, Chicago, Ill., a corporation of Illinois
Application August 4, 1937, Serial No. 157,259
9 Claims. (Cl. 156—17)



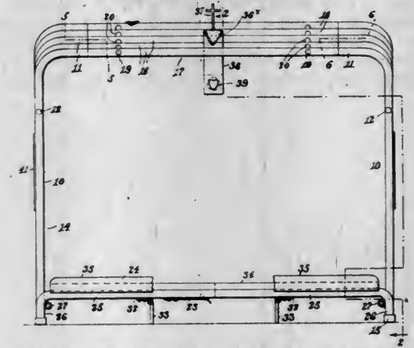
1. In a Venetian blind or the like, the combination of a frame comprising opposed vertical frame members, a plurality of superposed, connected slats arranged therebetween, a plurality of spaced apart stop members mounted in one of said frame members and means carried by one of said slats and engaging said stop members for retaining the blind in adjusted positions.

2,242,924
APPARATUS FOR CURVING PRINTING PLATES
Albert B. Schlattner, Cincinnati, Ohio, assignor to The Printing Machinery Corporation, Cincinnati, Ohio, a corporation of Ohio
Application July 13, 1938, Serial No. 219,004
9 Claims. (Cl. 153—40)



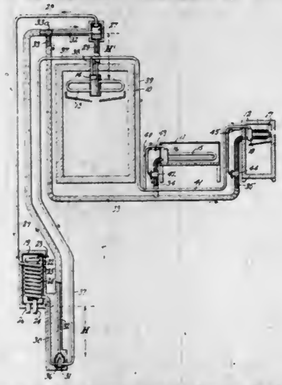
1. In a machine for curving printing plates, the combination of a cylindrical mold about which a printing plate is adapted to be curved, a plurality of flexible bands, means for securing end edges of each of said flexible bands laterally across said cylindrical mold, means for tensioning said flexible bands, and means for securing accurate holding of an end edge of a printing plate to be curved, between said flexible bands and the periphery of said cylindrical mold wherein-between said printing plate is adapted to be curved.

2,242,925
KNEELING BENCH
John E. Shea, Jr., Dorchester, Mass.
Application November 2, 1939, Serial No. 302,468
8 Claims. (Cl. 155—166)



1. A knock-down kneeling bench having an arm rest comprising end members composed of a plurality of spaced vertical tubes secured together in parallelism by transversely extending rods and having the upper ends of the tubes of each end member extending towards and alined with the upper ends of the tubes in the other end member; a removable section composed of parallel tubes interposed between the upper ends of the tubes of said end members and secured thereto by slip joints; and a kneeling member detachably connected to said end members.

2,242,926
REFRIGERATION
Bennet Carroll Shipman, deceased, late of Arlington County, Va., by Clara Wood Shipman, executrix, Birmingham, Ala., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application November 19, 1938, Serial No. 241,372
4 Claims. (Cl. 62—8)



1. In a method of heat transfer including evaporation of heat transfer fluid at an upper level, condensation of the fluid to liquid at a lower level, and raising liquid upward from said lower level, that improvement which consists in car-

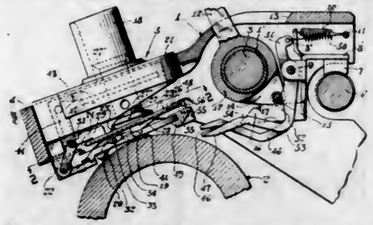
rying out evaporation at a plurality of upper levels, utilizing vapor resulting from said evaporation to cause said raising of liquid upward from said lower level, conducting raised liquid to said upper levels by gravity flow, and controlling flow of liquid to a lower one of said upper levels responsive to a temperature condition affected by evaporation at that level.

2,242,927

PHONOGRAPHIC TRANSLATING DEVICE

Richard M. Somers, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application October 27, 1939, Serial No. 301,548
21 Claims. (Cl. 274—34)



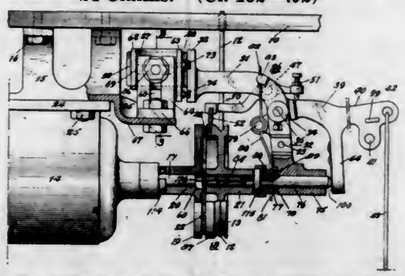
1. In a phonographic recorder comprising a frame, a stylus and means tending to force the stylus into a moving record body to form a groove in the surface layer of the body: the combination of a holder supporting said stylus for vibration relative thereto and movably mounted on said frame to permit the stylus to track the record surface; a member movably mounted on said frame and moved in conformity with variations in the level of the record surface traversed by the recorder; and damping means comprising two separate elements coacting to resist relative movement therebetween, the pair of said eleholder and said member whereby to resist movements being operatively interposed between said ment of the holder relative to the level of the traversed surface of the moving record body.

2,242,928

SEWING MACHINE CONTROL

Max Talgman, New York, N. Y.

Application October 14, 1938, Serial No. 235,027
24 Claims. (Cl. 192—.02)



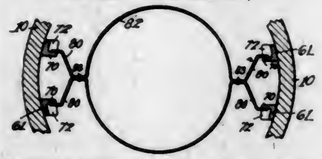
1. In a device of the class described, the combination of a bracket, a motor mounted thereon and provided with an element of a friction clutch, a boss integral with the bracket and having its upper side in the form of a portion of a sphere and having a bolt hole extending vertically therethrough, an angle bracket having a recess in the underside of a horizontal flange and fitted over the boss to provide for rotary movement of the angle bracket about a vertical axis, said flange provided with a bolt hole extending axially through the recess and aligned with the bolt hole in the bracket, a bolt and nut form of locking means passed through the aligned bolt holes, the other and vertical flange of the angle bracket provided with a vertically extending slot, a flanged channel member adjustably mounted for vertical movement on said other flange, a main frame provided with a slide plate forming an extension slidably mounted in the flanged channel member for horizontal movement, a shaft slidably carried by the main frame, a clutch element loose on the shaft and adapted to coact with the first named clutch element, a stop collar pinned to the shaft, a retractile spring acting on the shaft, and a manually actuated lever journalled on the main frame and operatively connected to the shaft to move the clutch element into a clutching position against the tension of said spring.

2,242,929

FREEZER CYLINDER CENTERING MEANS

James W. Townsend, Winchendon, Mass., assignor of one-half to The Alaska Freezer Co., Inc., Winchendon, Mass., a corporation of Massachusetts, and one-half to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application December 16, 1939, Serial No. 309,631
1 Claim. (Cl. 259—1)



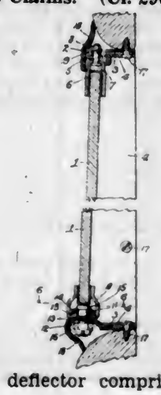
In a freezer having a tub and a rotating can, that improvement which consists in providing a centering ring for said can having spaced resilient end portions, and in providing plates secured to opposite inside portions of said tub and having supporting flanges for said end portions, said flanges having converging inclined upper portions, vertical middle portions, and outwardly offset horizontal lower end portions.

2,242,930

DRAFT DEFLECTOR

Clarence H. Traver, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois

Application April 26, 1937, Serial No. 138,871
6 Claims. (Cl. 296—84)



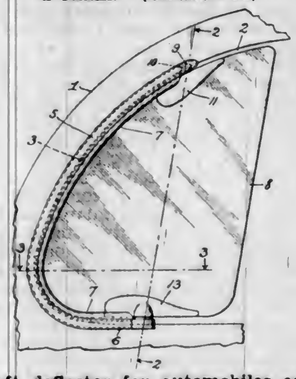
1. A draft deflector comprising a glass, two pivots connected with the glass, one at the bottom and the other at the top thereof, and a metal frame extending around the edge of the glass from one pivot to the other, the pivots being connected with said metal frame, that portion of the metal frame on the side of the glass toward the automobile being within the plane of the window frame, and a projecting part connected to the metal frame extending in a generally vertical direction past the metal frame and engaging the face of the window frame beyond the boundaries of the metal frame.

2,242,931

DRAFT DEFLECTOR

Clarence H. Traver, Chicago, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois

Application April 26, 1937, Serial No. 138,872
1 Claim. (Cl. 296—84)



A draft deflector for automobiles comprising a glass, a metallic member extending along a portion of the front and the bottom of said glass and to which the glass is pivoted, said metallic member having an inwardly extending portion extending inwardly beyond the pivotal points of the glass and engaging the reveal of the automobile window, and fastening means at one side of the glass for fastening said inwardly extending portion in position, the pivotal points of the glass being within the vertical plane of the outer wall of the window frame, said metallic member having a free exposed surface on the outside face thereof, said metallic member and glass forming a unitary structure separate from the automobile, which may be attached to and removed from the automobile as a unit.

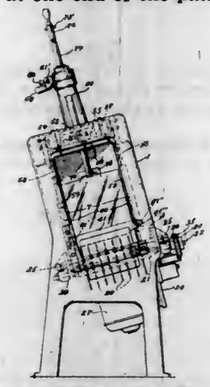
2,242,932

ICE CUBING MACHINE

James F. Turner and Christian P. Breidenbaugh, Baltimore, Md., assignors to Flynn & Emrich Company, Baltimore, Md., a corporation of Maryland

Application January 31, 1939, Serial No. 253,736
12 Claims. (Cl. 143—38)

1. In a machine for cutting bodies of material into uniform blocks, a carrier mounted to reciprocate on a single rectilinear path, a hopper rotatively mounted thereon and depending therefrom, a table beneath the hopper and substantially parallel to said path, the axis of the hopper being normal to the table and the table being inclined transversely to the path of reciprocation, a cut off saw and scoring saws in operative relation to said path and means for limiting the turning of the hopper to positions in which one portion of the hopper, having converging sides to position the body being cut, is always on the low side of the incline, the cut off saw being at one end of the path and having



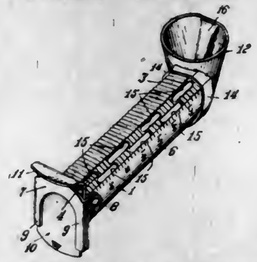
a guard to support the cake after the cut off, the axis of the hopper being eccentric and the said portion of the hopper having converging sides which is always on the low side of the incline being of relatively great radius as compared to other portions of the hopper.

2,242,933

COIN COUNTING DEVICE

Albert N. Wagner, Cary, Ill.

Application September 8, 1938, Serial No. 228,883
8 Claims. (Cl. 133—1)



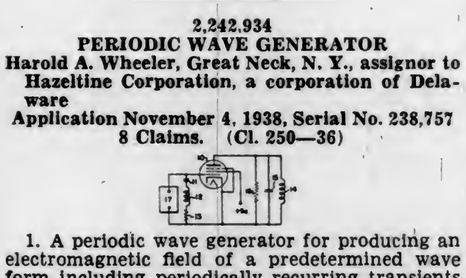
1. A coin receiving tube of substantially elliptical cross-section and having its greater diameter substantially equal to the diameter of coins of the denominations intended to be received in said tube, the tube being equipped with a bottom wall extending angularly to the tube axis, a series of equally spaced apart shoulders disposed midway of a wall of greater radius of said tube throughout the length thereof and parallel with said bottom wall and equally spaced from the other wall of larger radius, a series of similar shoulders extending transversely to and alternated with said first named shoulders and to said bottom wall and each thereof equal in width to the normal thickness of said coins, said first named shoulders constituting stops adapted to engage face portions of coins and said second named shoulders adapted to become opposed to edge portions of successive coins dropped into said tube, the last-named shoulders being spaced from the opposed wall of the tube a distance substantially equal to the coin diameter, said bottom wall functioning to cause the first coin dropped into the tube to rest upon said bottom wall over its entire face and said first coin and

succeeding coins being caused by the preceding coin to become disposed successively along an edge portion in face contact with said first-named and substantially in edge contact with said second-named shoulders.

2,242,934
PERIODIC WAVE GENERATOR
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application November 4, 1938, Serial No. 238,757
8 Claims. (Cl. 250—36)

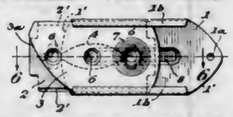
1. A periodic wave generator for producing an electromagnetic field of a predetermined wave form including periodically recurring transients comprising, a vacuum-tube repeater having input and output circuits, means for applying to said input circuit pulses having the same period as said field and having a wave form related in a predetermined manner to that of said field, inductance means in said output circuit for producing said field, said output circuit having shunt capacitance effectively included therein which incidentally tends undesirably to affect the wave form of said field, and reactance means of both kinds so connected in said input circuit and so proportioned relative to the reactance of said output circuit that one kind of reactance in said input circuit at least partially compensates for the undesirable effect of said capacitance on the wave form of said field, the circuit constants being so proportioned with respect to the wave form of said input pulses as to develop output current and voltage waves from said tube of such wave forms that their load diagram has at least one cross-over and has substantially the maximum possible dimensions within the normal operating limits of current and voltage of said tube.

2,242,935
SLICING MACHINE
Arthur H. Ahrndt, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application July 28, 1938, Serial No. 221,735
12 Claims. (Cl. 146—94)



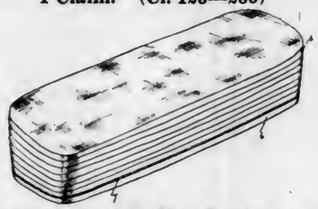
1. A slicing machine comprising means for slicing slices from a substance, a slice receiving trough extending from slicing position, a frame on which the trough is slidable, an upstanding longitudinal slidable abutment member mounted on the trough to support slices vertically as they are cut, a second upstanding abutment member rigidly mounted on the trough and positioned to extend behind and engage the last cut slice, and manual means for moving the slice trough and abutment on the frame whereby the last named abutment member will move all the slices on the slice trough when the manual means is moved along the frame.

2,242,936
CUTTING IMPLEMENT
Rudolph Beaver, Waltham, Mass.
Application November 26, 1938, Serial No. 242,544
3 Claims. (Cl. 30—162)



1. A cutting implement capable of single-handed longitudinal adjustment and comprising a blade having a plurality of aligned apertures longitudinally thereof, a combination sheath and handle therefor having a back portion and overturned edges of slightly greater length than the length of the cutting edge of said blade, and a single-member guard, the edges of said guard being adapted to lie beneath the overturned edges of said sheath, the outer surface of the portion intermediate said edges being exposed to pressure applied by the thumb of the user to slide said guard within said sheath, said guard having a plurality of lugs projecting from its inner surface and adapted to extend through said apertures to lock the blade against longitudinal movement independent of said guard, said sheath having a longitudinally extending countersunk channel medially of its back portion and of such length that its ends are releasably engaged with the two outer lugs of said guard to prevent accidental longitudinal movement of said combined blade and guard relative to said sheath, said forward pressure on said outer surface of the guard releasing one of said end lugs from said channel to project said combined blade and guard beyond said sheath into cutting position.

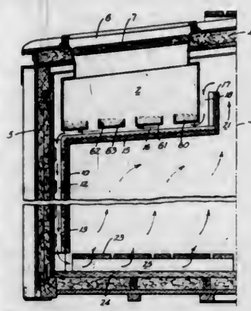
2,242,937
ABSORBENT PAD
Joseph B. Biederman, Cincinnati, Ohio
Application November 30, 1939, Serial No. 306,862
1 Claim. (Cl. 128—285)



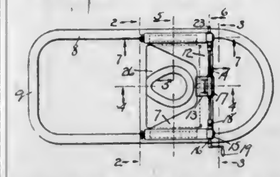
A tampon formed in the shape of a tube of absorbent material, a quantity of an absorbefacient substance in the opening in said tube, and absorbent plugs adapted to close the ends of said tube to retain said substance.

2,242,938
TOP BUNKER REFRIGERATOR CAR
Charles D. Bonsall, Pittsburgh, Pa., assignor, by mesne assignments, to Standard Railway Refrigerator Company, a corporation of Delaware
Original application November 22, 1937, Serial No. 175,762. Divided and this application January 11, 1939, Serial No. 250,404
2 Claims. (Cl. 62—17)

1. In a refrigerator car comprising a wall having a vertical flue associated therewith, a wet ice container and a drip pan positioned below and spaced from the container which drains melted ice from the container into the vertical flue and also forms a duct for circulation of air from under the container to said flue, the bottom of said container comprising a plurality of upwardly facing channel shaped members with substantially vertical passages therebetween which temporarily retain the melted ice in heat transfer relation with the circulating air.



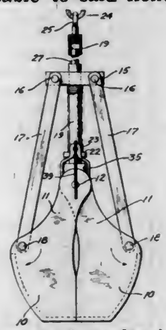
2,242,939
BATHTUB
Gustav A. Buckel, Hartford, Conn.
Application November 24, 1939, Serial No. 305,787
4 Claims. (Cl. 4—185)



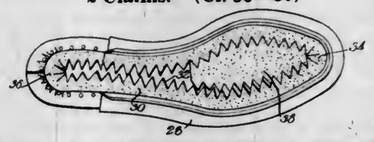
1. A bathtub attachment comprising brackets formed to seat on the top edge of a bathtub on opposite sides thereof, each bracket having a recess extending lengthwise thereof to form a downwardly opening housing, rollers rotatably mounted in said housings above the bounding edges thereof, flexible supports secured to said rollers, a seat secured to the outer ends of said supports and raisable thereby to a position flush with the top edge of the tub, struts extending between the brackets to retain them in position on the edge of the tub, a shaft operatively connected with the rollers to rotate them, and means for operating said shaft.

2,242,940
AUTOMATIC CLAMSHELL BUCKET
Frank Caoli, Greenwich, Conn.
Application March 28, 1940, Serial No. 326,348
5 Claims. (Cl. 37—184)

1. In a device of the character described, a supporting member, a pair of bucket jaws pivoted to said member, a block above the supporting member, supporting links pivoted to the block and to said jaws below the pivots to said member, a shaft secured to said member and slidable in the block, a hollow shaft enclosing the first shaft and slidable in the block, a catch on the supporting member adapted to engage and hold said second shaft to hold the jaws in closed position, a spring tending to shift the hollow shaft to engage said catch, means for connecting a lifting cable to said hollow shaft to lift the jaws, and means for releasing said catch to permit the jaws to open.

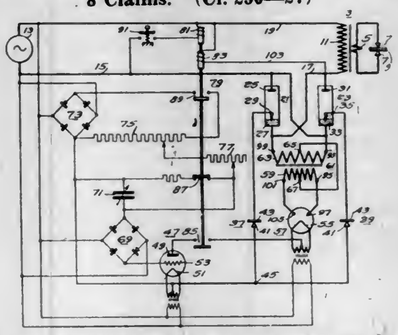


2,242,941
SHOE BOTTOM CONSTRUCTION
Claude H. Daniels, Greenwich, Conn., and Robert I. Wood, Mansfield, Mass.; said Wood assignor to said Daniels
Application May 19, 1939, Serial No. 274,640
2 Claims. (Cl. 36—30)



2. In a shoe of the type having a bottom cavity between the insole and the outsole, a rubber strip laid around the margin of the cavity, said strip having an irregular inner edge and a rubber piece having an irregular outer edge laid in the cavity at the forepart of the shoe and approximately filling the cavity by having the irregular edges of the strip and piece in interfitting relationship.

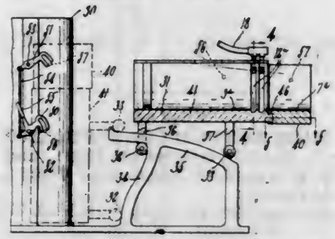
2,242,942
WELDING TIMER
Hymen Diamond, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 17, 1939, Serial No. 274,172
8 Claims. (Cl. 250—27)



1. In combination, a pair of electric discharge devices connected in anti-parallel for controlling the supply of power from a source to a work circuit, each discharge device having a plurality

of principal electrodes and a control electrode, and a control network connected between the said principal electrodes and the said control electrodes, the said network comprising a pair of back-to-back rectifiers connected between the said control electrodes and means including a single discharge path connected between the common junction of the said rectifiers and the principal electrodes of said pair of discharge devices for controlling the energization of said discharge devices.

2,242,943
STEREOTYPE CASTING BOX
George M. Clark, Lynn, Mass.
Application May 13, 1939, Serial No. 273,443
5 Claims. (Cl. 22—2)



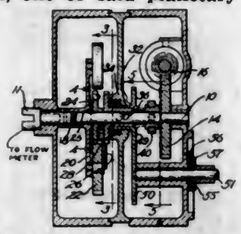
1. A stereotype mold member presenting a face against which the rear face of a matrix may engage, said member having a shoulder above said face of a width substantially the thickness of the matrix and against which shoulder the top edge of the matrix may engage, said member having above said shoulder a pouring face portion extending downwardly in position to direct molten type metal forwardly of the matrix, said pouring face terminating forwardly of said shoulder, and said member having a face downwardly and rearwardly inclined extending from the lower edge of said pouring face to said shoulder.

2,242,944
THERMAL TREATMENT OF ALUMINUM BASE ALLOYS
Edgar H. Dix, Jr., Oakmont, and Joseph A. Nock, Jr., Tarentum, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application May 5, 1939, Serial No. 271,932
4 Claims. (Cl. 148—21.1)

1. In the art of heat treating aluminum base alloys, the method of producing maximum resistance to corrosion in a solution heat treated and artificially aged aluminum base alloy containing up to 6 per cent copper as the chief added alloying constituent, 0.1 to 4 per cent zinc, and magnesium and silicon in smaller amount than copper, said method comprising quenching the solution heat treated alloy in the quenching medium maintained at such a temperature above 100° C. as to induce an initial precipitation of dissolved constituents, removing said alloy from the quenching medium and thereafter artificially aging the alloy.

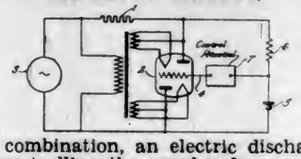
2,242,945
INDICATING APPARATUS
Albert Y. Edwards, Bryan, Ohio
Application June 5, 1939, Serial No. 277,479
3 Claims. (Cl. 74—282)

1. In a device of the class described, a first drive shaft, a second drive shaft, an indicating shaft and a differential mechanism interposed between said drive shafts and said indicating shaft including a gear driven by said first drive shaft and planetary gears driven by said second drive shaft, one of said planetary gears being



meshed with said first gear, a second planetary gear driven by said first planetary gear and meshing with a gear which is adapted to drive said indicating shaft, and means to interrupt the drive between said differential mechanism and said indicating shaft.

2,242,946
ELECTRIC DISCHARGE APPARATUS
Johannes Falk, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 13, 1939, Serial No. 267,629
In Germany June 2, 1938
12 Claims. (Cl. 250—27)



11. In combination, an electric discharge device for controlling the supply of power from a source to a work circuit, the said discharge device having a pair of discharge paths connected in anti-parallel and a control electrode common to both of said discharge paths, a rectifier and a bilateral impedance connected in series circuit relation across said discharge paths, and means for impressing a control potential between the said control electrode and the common junction of the said bilateral impedance and said rectifier.

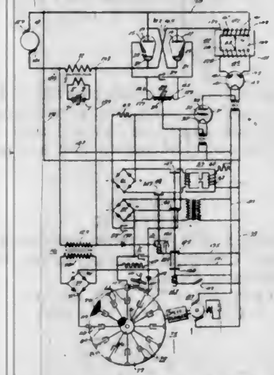
2,242,947
CONTAINER AND APPLIER
Arthur M. Griffis, Youngstown, Ohio
Application July 18, 1939, Serial No. 285,118
3 Claims. (Cl. 91—67.2)



3. Apparatus of the character described comprising in combination a member having a generally cylindrical portion, a gasket encircling said portion, a dauber secured to said member on one side of said gasket, a handle secured to said member on the side of said gasket opposite said dauber, said member adapted to be received within a cylindrical portion of a container with the outer

periphery of said gasket in yielding engagement with the inner surface of said container portion, said container portion being of uniform cross-section throughout its longitudinal extent normally traversed by said gasket in the operation of the apparatus.

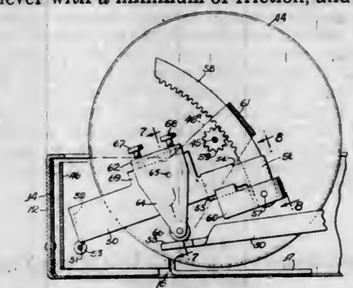
2,242,948
ELECTRIC DISCHARGE APPARATUS
Finn H. Gulliksen, Pittsburgh, Pa., assignor to The Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 21, 1938, Serial No. 236,206
18 Claims. (Cl. 250—27)



1. For use in controlling the supply of power from a source of periodically pulsating potential to a load, the combination comprising an electric discharge valve of the immersed ignition-electrode type interposed between said source and said load, said valve having a plurality of principal electrodes and an ignition electrode immersed in one of said principal electrodes, a network, consisting of a plurality of impedances, tuned to the frequency of said source, said impedances being so connected that the net impedance of the network to current of the frequency of said source is large, means for connecting said network between said source and said ignition electrode and said one principal electrode so that said network substantially absorbs the potential of said source, and means for transmitting current through one of said impedances and said ignition electrode and said one principal electrode to render said valve conductive.

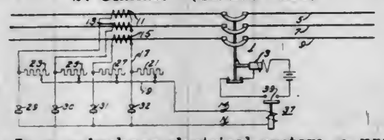
2,242,949
WEIGHING SCALE
Marius H. Hansen, Chicago, Ill., assignor, by mesne assignments, to Hanson Scale Company, a corporation of Illinois
Application November 10, 1937, Serial No. 173,739
11 Claims. (Cl. 265—68)

1. In a weighing scale, in combination, an indicator, a weighing mechanism including a lever fulcrumed at one end and spring-suspended at the free end, a platform supported on said lever and adapted to depress the free end of the lever in response to weight placed thereon, and means for transmitting the movements of said lever to said indicator comprising an arm pivoted at one end, means supporting said arm on the free end of said lever including a roller mounted intermediate the ends of the arm, said roller being held in engagement with the lever solely by gravity and permitting relative movements of the arm and lever with a minimum of friction, and means



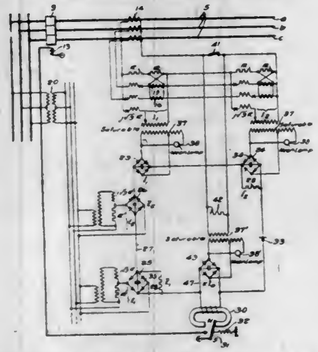
operatively connecting the free end of said arm with said indicator.

2,242,950
PROTECTIVE RELAYING EQUIPMENT
Edwin L. Harder, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 27, 1938, Serial No. 227,085
27 Claims. (Cl. 175—294)



1. In a polyphase electrical system, a protective system for said electrical system with means for deriving unidirectional operating factors equivalent to K_1I_1, K_2I_2—where K is a constant and I represents the instantaneous current in phases 1, 2,—and function means for combining said factors into a discriminating function for responsive registration, and whose value at any instant is the value of the maximum one of said factors at said instant.

2,242,951
PROTECTIVE RELAYING EQUIPMENT
Edwin L. Harder, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 12, 1938, Serial No. 239,916
19 Claims. (Cl. 175—294)



1. Protective relaying equipment for a three-phase electrical apparatus, comprising means in-

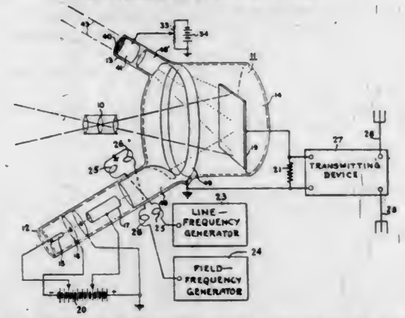
cluding rectifier-means, for deriving a first direct-current relay quantity selectively responsive to the absolute value of the positive phase-sequence current-component of the current in said apparatus, means including rectifier-means, for deriving a second direct-current relaying quantity selectively responsive to the absolute value of the negative phase-sequence current-component of the current in said apparatus, and relay-means responsive, in some measure, to the difference between said first and second direct-current relaying quantities.

2,242,952

VIDEO-FREQUENCY SIGNAL-GENERATING APPARATUS

Rudolf C. Hergenrother, Beechhurst, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application December 29, 1938, Serial No. 248,245
10 Claims. (Cl. 250—150)



1. A video-frequency signal-generating apparatus comprising, a cathode-ray signal-generating tube, an electron gun in said tube for developing an electron beam, a photosensitive target electrode in the path of said beam, means for scanning said target with said beam during successive scanning intervals, a collector electrode in said tube adapted to be biased to a given potential, the signal developed by said tube being subject to undesired shading components, an auxiliary source of electrons in said tube, means for flooding said target with electrons from said auxiliary source during said scanning intervals, and optically responsive means for imparting to said flooding electrons any desired predetermined distribution at least partially complementary to said shading components to bias negatively successive elements of said target with respect to said collector electrode at the instant before each particular element is scanned, thereby to increase the sensitivity of said tube and to predetermine the effect of said flooding means on the shading components of the developed signal.

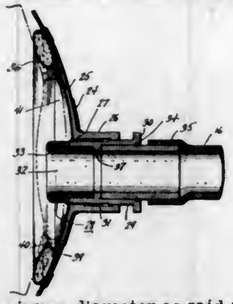
2,242,953

LISTENING HELMET FOR SOUND LOCATORS

Frank R. House, Baldwin Harbor, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application July 29, 1939, Serial No. 287,236
3 Claims. (Cl. 181—26)

1. In an ear engaging head piece for sound locators, a metallic dished oval plate arranged to overlie the ear of the user, said plate having its convex side positioned outwardly and being of such curvature as to substantially conform to the head surrounding the ear while leaving a dead air space between the head and the inner surface of said plate, said plate also having a central aperture, a sound conveying tube of uniform inner diameter throughout its length, an open-ended ear engaging tube connected with said sound conveying tube and having substan-



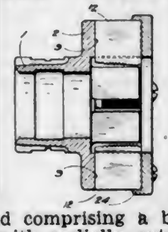
tially the same inner diameter as said sound conveying tube, said ear engaging tube being adjustable within said aperture toward and from the ear concha to suit the user's ear and operating conditions.

2,242,954

DIESTOCK

Carl H. Ingwer, Elyria, Ohio, assignor to The Ridge Tool Company, North Ridgeville, Ohio, a corporation of Ohio

Application December 29, 1939, Serial No. 311,644
8 Claims. (Cl. 10—120)



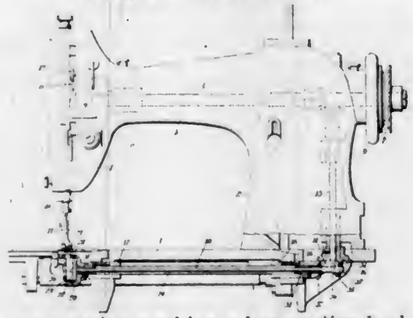
1. A die head comprising a body, said body being formed with radially extending grooves, thread cutting chasers disposed in said grooves, means to position and lock said chasers in said grooves comprising a face plate having lugs extending into the grooves and abutting the ends of the chasers.

2,242,955

LOCK-STITCH SEWING MACHINE

John D. Karle, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application April 8, 1939, Serial No. 266,786
14 Claims. (Cl. 112—181)



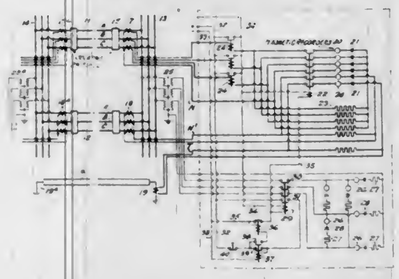
1. In a sewing machine, a loop-casting hook, a tubular rotary shaft carrying said hook, a non-rotary centrally apertured bobbin-case supported by said hook within its loop-casting field of action, a rod disposed coaxially of and within said tubular shaft, and means to reciprocate said rod endwise to cause it to intermittently enter said bobbin-case between loop-casting operations.

2,242,956

ELECTRICAL TRANSMISSION LINE FAULT FINDING SYSTEM

Edward W. Knapp, Hampstead, Quebec, Canada, assignor to The Shawinigan Water & Power Company, Montreal, Quebec, Canada, a corporation of the Dominion of Canada

Application April 9, 1938, Serial No. 201,200
26 Claims. (Cl. 175—183)



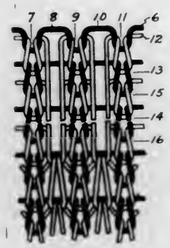
1. In a method of locating faults in an electric transmission line the combination of steps which comprises, making magnetic records representative of the currents flowing in each phase of a transmission line at the instant of fault, making magnetic records representative of the potential differences between phases and between each phase and neutral of the transmitted current at the instant of fault and obtaining factors for calculating location of a line fault by measuring the magnetism of the magnetic records.

2,242,957

KNITTED FABRIC AND METHOD

Roy F. Lovell, Providence, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application December 7, 1939, Serial No. 308,049
8 Claims. (Cl. 66—172)



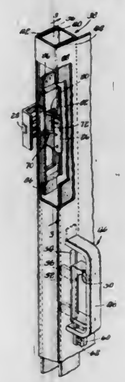
1. A knitted fabric having a selvage including courses knitted from elastic and non-elastic yarns, the construction being such that the non-elastic yarn is drawn into tuck stitches at spaced wales and the elastic yarn is fed under a greater tension in the initial course, at least, than in following courses.

2,242,958

LATCHING DEVICE

John B. O'Connor, Aurora, Ill. assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois

Application January 12, 1939, Serial No. 250,568
12 Claims. (Cl. 292—19)



8. In a latching device of the class described, latch means comprising a pair of spaced, elongated members mounted for torsional displacement about their axes formed intermediate of their length with opposed laterally extending converging latch configurations normally urged toward one another for cooperation with a shouldered keeper adapted to co-act with said latch configurations, said latch configurations being operative as struts when interengaged with said shouldered keeper.

2,242,959

ANTIFREEZE COMPOSITION

Cecil Robinson, Warminster, England, assignor to Patrick J. O'Connor, New York, N. Y.

No Drawing. Application February 11, 1939, Serial No. 255,855
5 Claims. (Cl. 252—75)

1. An antifreeze composition containing, as the freezing-point depressant, calcium chloride, and, as an agent inhibiting the corrosive action of the calcium chloride, casein.

5. An antifreeze composition containing for each gallon of water, approximately 5 pounds of calcium chloride, 1 pound of sugar and 1–3 ounces of casein.

2,242,960

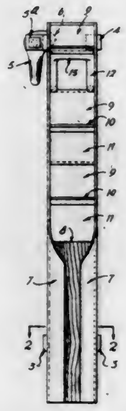
PRODUCTION OF MOTOR FUEL

Alexander N. Sachanen and Arlie A. O'Kelly, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application August 27, 1938, Serial No. 227,106
4 Claims. (Cl. 260—671)

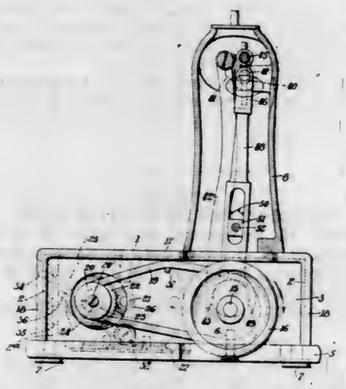
1. A process of preparing alkyl aromatic compounds in the gasoline boiling range which comprises alkylating aromatic hydrocarbons with olefine hydrocarbons at a temperature between about 400° C. and about 600° C. in the presence of a catalyst comprising an association of silicon oxide and aluminum oxide and under a super-atmospheric pressure.

2,242,961
DEVICE FOR SHORING OR SPRAGGING
Walter Sylvester, Tunstall, England
Application August 14, 1939, Serial No. 289,953
In Great Britain August 15, 1938
7 Claims. (Cl. 248—354)



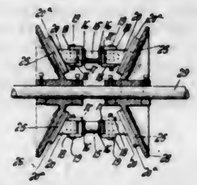
3. A device for shoring or spragging in mines comprising a channel-shaped post having a plurality of inclined fixed steps arranged in the channel and projecting beyond the sides of the same and each provided at its outer edge with a lip so that the steps are adapted to receive and locate the butt of a sprag, the steps being provided at the upper part of the post whilst the sides of the channel at the lower part are inwardly turned.

2,242,962
SEWING MACHINE
Max L. Waterman, Fairfield, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 13, 1939, Serial No. 294,615
6 Claims. (Cl. 112—258)



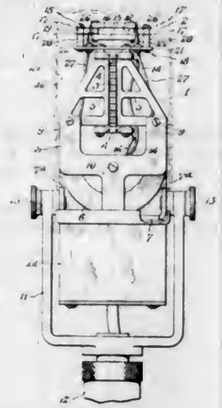
1. A sewing machine having a frame formed with a box-type bed and an overhanging bracket-arm, said bed having one of its external walls inset to provide a wide open pocket, a main-shaft and an electric motor disposed in said bed, spaced motor and machine-pulleys in said pocket, and a belt connection in said pocket between said pulleys.

2,242,963
TRANSMISSION BELT
Alfred J. Wendling, Huntington Park, Calif., assignor of eighty one-hundredths to Curt Uschmann, Huntington Park, Calif.
Application February 23, 1938, Serial No. 191,943
3 Claims. (Cl. 74—236)



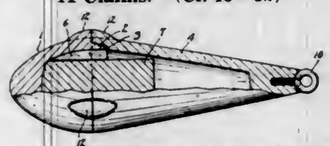
1. In a transmission belt, the combination of a sprocket chain extending lengthwise of the belt, and side-driving elements carried by the chain and projecting laterally from opposite sides thereof, each of said side-driving elements comprising a metal structure pivotally attached to the chain and having a removable driving facing consisting of friction material having a tenon and groove connection therewith.

2,242,964
MICROPHONE
Alfred L. W. Williams, Cleveland, and John P. Arndt, Jr., East Cleveland, Ohio, assignors to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application August 19, 1939, Serial No. 290,988
3 Claims. (Cl. 179—1)



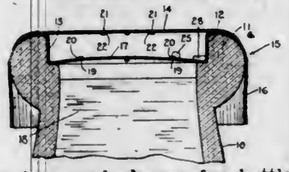
1. In directional microphone apparatus, the combination of a unidirectional microphone comprising an electro-magnetic-type velocity transmitter, a piezo-electric-type pressure transmitter closely associated with said velocity transmitter, and means for equalizing and combining in opposition the outputs of the two transmitters for sound waves approaching the back of the microphone, and means comprising a transformer having its primary connected to the velocity transmitter; and a remotely located amplifier electrically connected to the uni-directional microphone.

2,242,965
CASTING PLUG
Walter L. Adams, Akron, Ohio, assignor to The Enterprise Manufacturing Company, Akron, Ohio, a corporation of Ohio
Application March 28, 1940, Serial No. 326,402
11 Claims. (Cl. 43—52)



1. A casting plug comprising a head section, a tail section, and an interior weight member located on the axis of the plug and permanently attached to the head section.

2,242,966
BOTTLE CLOSURE
Anton Burkardt, New York, N. Y., assignor to Pneumatic Cap & Seal Corporation, New York, N. Y., a corporation of New York
Application March 13, 1939, Serial No. 261,547
1 Claim. (Cl. 215—56)



In an improved closure for bottles and the like, such as milk bottles, the combination of a cup plug provided with a diaphragm at its lower end, and which diaphragm, when in position on a bottle, is normally in proximity to the fluid contents of such bottle, a plurality of perforations extending through the diaphragm to permit seepage of air and moisture from such bottle into the cup plug, a dam surrounding each of the perforations and located on the side of the diaphragm remote from the interior of the bottle and in association with the perforations thereby to permit return of air from the cup plug into the bottle and independently preventing return of moisture to the bottle, a seal cap closing the open end of the cup plug member and secured to such cup plug member to form therewith a chamber and perforations in the seal cap communicating with the cup plug member to permit seepage of air and moisture into and out of the cup plug member.

2,242,967
STAPLE STRIP
Alfred E. Carlile, Meadville, Pa., assignor to Talon, Inc., a corporation of Pennsylvania
Original application January 5, 1939, Serial No. 249,456. Divided and this application November 17, 1939, Serial No. 304,958
1 Claim. (Cl. 85—49)



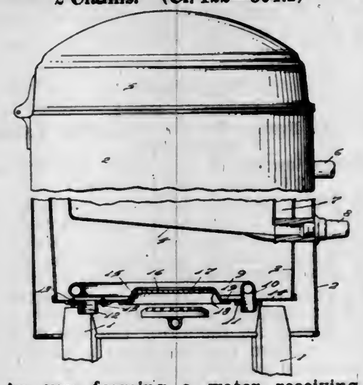
A strip of preformed staples each staple being of generally U-shape and having a back and at least one prong extending therefrom on each side of the back, said staples being aligned in the strip and integrally joined at their backs only, said strip having notches of V-shaped cross-section, the sides of the notches forming an angle with each other of between 30° and 45°, said notches extending across the same at the junction lines between the staples, the depth of the notches extending substantially half way through the material of the back so that the staples are connected by a web of material relatively thinner than the material of the back, said connection being frangible so that the end staple can be separated from the strip upon bending of the end staple in that direction which swings the staple prongs away from the prongs of the adjacent staple in the strip to a predetermined angle with relation to the strip which is not substantially greater than 90°.

2,242,968
ARRANGEMENT FOR RECORDING AND REPRODUCING SOUND
Gunnar Erik Magnus Corin, Stockholm, Sweden
Application October 28, 1938, Serial No. 237,385
In Sweden March 28, 1938
4 Claims. (Cl. 179—100.3)



1. An arrangement for recording and reproducing sound including means for creating a magnetic field, a movable coil associated therewith, a supporting member for said movable coil, said member consisting of an inner and an outer part, both these parts being formed of a flexible material which is as dead or soundless as possible, said outer part consisting of three legs forming the sides in a triangle, tensioning means for securing the three ends of said triangle-shaped outer part to a holder, said inner part being secured to the central points of the three legs of said outer part, a shutter carried by the center of said inner part, means for directing a light beam from a constant light-source perpendicularly to the movement of said shutter, and means for supplying a varying current to said movable coil, which is carried by said inner part, to move said shutter in accordance with the current.

2,242,969
URN
James W. Cunningham, Haddon Heights, N. J., assignor to Horn and Hardart Baking Co., Philadelphia, Pa., a corporation of New Jersey
Application August 19, 1939, Serial No. 290,977
2 Claims. (Cl. 122—504.1)



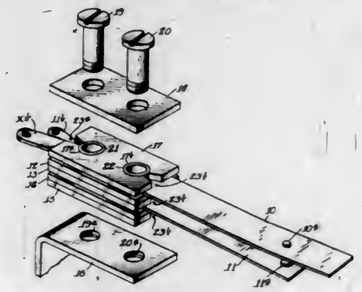
1. An urn forming a water receiving tank

having its bottom portion formed by a main bottom portion having a centrally disposed aperture, an intermediate inverted pan-shaped, sheet metal portion projecting upwardly through said aperture above the main bottom portion with a top opening and with its marginal portion secured to the main bottom portion, and an inner bottom portion in the form of a substantially flat sheet metal plate soldered at its outer peripheral portion to the under side of said intermediate portion to cover the top opening of the latter.

2,242,970
ALLOY
Erich Fetz, Newark, N. J., assignor to Wilbur B. Driver Co., Newark, N. J., a corporation of New Jersey
No Drawing. Application October 19, 1938, Serial No. 235,786
4 Claims. (Cl. 75—134)

1. An electrical resistance element consisting essentially of substantially 40% nickel, 40% manganese, 10 to 15% copper and the balance iron.

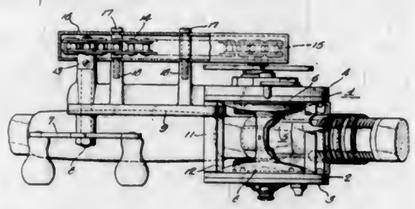
2,242,971
SWITCH STACK ASSEMBLY
Edward Joseph Glennon, Chicago, Ill., assignor to Comar Electric Co., Chicago, Ill., a corporation of Illinois
Application January 10, 1941, Serial No. 373,861
5 Claims. (Cl. 200—166)



1. In a switch stack assembly substantially as described, insulator punchings having one or more holes to accommodate an insulating sleeve, said holes being of lesser diameter than the outside diameter of said sleeve, and formations communicating with said holes permitting expansion of the same to fit onto said sleeve tightly and thereby hold said stack in assembled condition for purposes of handling and the like.

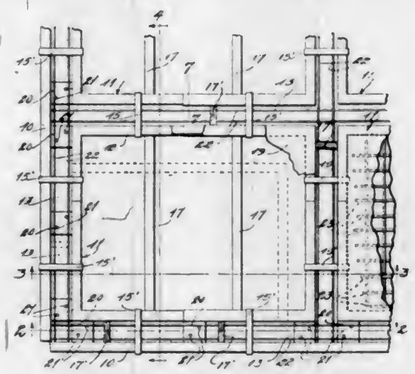
2,242,972
FISHING REEL
Samuel E. Fraim, Manor Township, Lancaster County, Pa.
Application May 6, 1939, Serial No. 272,260
3 Claims. (Cl. 242—84.1)

1. A fishing reel comprising a spool, a crank arm remote from said spool, transmission mechanism operatively connecting the crank arm with the spool, said arm being arranged for rotation in a plane intersecting, substantially at right angles, the rotary axis of the spool and substantially at the longitudinal center of the latter, and means adapted for mounting the reel in predetermined relative position upon a fishing rod, said mounting means being relatively positioned with respect to the crank arm so that when the reel is mounted upon the rod in said predetermined relative position the longitudinal axis of



the rod will lie approximately within the plane of rotation of said crank arm.

2,242,973
BUILDING MOLD
James Hallisy, Parma, Ohio
Application April 21, 1939, Serial No. 269,271
4 Claims. (Cl. 25—131.5)

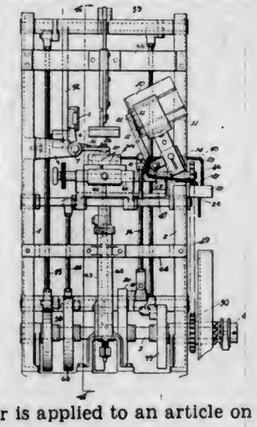


1. In a building mold, an outer girdle member, inner panel members of rectangular construction having sides parallel to the outer girdle member and spaced therefrom, said girdle and panel members being of channel cross sections having vertical webs and outwardly extending flanges, tie bars connecting the lower flanges of the adjacent panel and girdle members and having inturned ends embracing the flanges of the girdle and panel members, the tie bars being straight between the inturned ends, mold bottoms resting on said tie bars and having their ends spaced from the ends of the girdle and panel ends to provide openings for the reception of the upper ends of upright posts, and means to hold the upper sides of said channel members in spaced relation.

2,242,974
LABELING MACHINE
Carl Holm, Worcester, Mass., assignor to Economic Machinery Company, Worcester, Mass., a corporation of Massachusetts
Original application July 19, 1939, Serial No. 285,306. Divided and this application February 7, 1940, Serial No. 317,712
9 Claims. (Cl. 216—55)

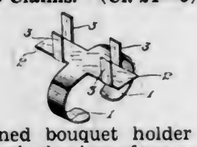
1. In a labeling machine, a reciprocable article support, a reciprocable label carrier, the latter having a label applying position in line with the

movement of the support, and means for moving the support toward the carrier, whereby a label



on the carrier is applied to an article on the support.

2,242,975
COMBINED BOUQUET HOLDER AND SUPPORT
Rex Kaber, Wayne, Pa.
Application March 17, 1939, Serial No. 262,483
5 Claims. (Cl. 24—5)



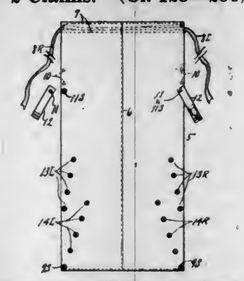
4. A combined bouquet holder and support formed from a single piece of normally flat, bendable and form-retaining material comprising a relatively long and narrow bouquet supporting surface, projections extending laterally from said surface and adapted to be bent from the plane of said surface to overlie and retain thereon the stems of the flowers of the bouquet, and a limb-encircling portion having sections extending laterally from opposite sides of said surface and adapted to be bent from the plane of said surface into engagement with the limb of a person to retain said combined holder and support and bouquet on the limb of said person.

2,242,976
CORSAGE SUPPORT FOR THE HAIR
Rex Kaber, Wayne, Pa.
Application July 2, 1940, Serial No. 343,637
2 Claims. (Cl. 24—5)



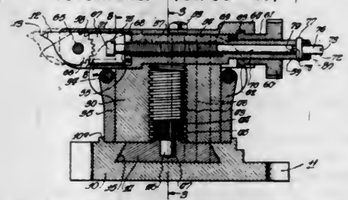
2. A device for securing a corsage in the hair in predetermined relation to the contour of the head, said device being composed solely of a single piece of thin flat manually pliable form-retaining material which can be bent into the desired form merely by the fingers of a person and including a relatively long narrow body portion, a plurality of integral fingers spaced along and respectively projecting from opposite longitudinal edges of said body portion, a tongue integral with and extending longitudinally from one end of said body portion, and a catch formed on the opposite end of said body portion integral therewith, wherein said tongue is bent backwardly over said body portion and said catch is bent at an angle to the normal flat plane of said body portion to receive the free end of said tongue, and wherein said fingers are bent from said normal plane of said body portion around a portion of the corsage placed against said body portion, and wherein the juxtapositioned whole is bent as a unit in either direction from said normal plane of said body portion as and for the purposes disclosed.

2,242,977
DIAPER
Cleopatra Marcos, St. Paul, Minn.
Application March 14, 1940, Serial No. 323,932
2 Claims. (Cl. 128—284)



1. A diaper comprising an elongated rectangular sheet of fabric, one transverse end part of said sheet being tubular, a pair of draw strings inserted in opposite ends of and overlapping each other within the tube, each said string fastened near the opposite opening to which it is inserted, said tubular part comprising a back belt when applied, metallic snap fastening means at the inner side of and at each corner of the diaper at said belt part, corresponding fastening means fixed at the lower corners, on the outer side, and arranged to engage the first described fasteners when the lower edge of the diaper is folded up and over the upper half of the diaper, sets of snap fastener means arranged in predetermined spaced alinement in angular rows extending inwardly from the lower corners and above said corners and in the outer area of the diaper, any pair of transversely registering of said snap means adapted to engage said first described pair of snap fastening means.

2,242,978
TAIL STOCK FOR MILLING MACHINES
Erick Moen, Chicago, Ill.
Application April 13, 1940, Serial No. 329,544
19 Claims. (Cl. 90—23)

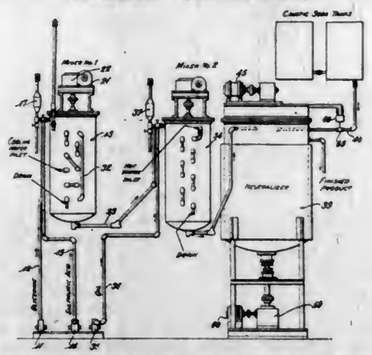


1. A tail stock for milling machines comprising a base, a slide mounted in the same for transverse movement, means carried by the slide to engage the work, the slide having a tapped

transverse bore, a feed screw for the slide threaded into the bore, and means to retain the screw against longitudinal movement, the screw having a spindle externally of the base, a knob at the outer end of the spindle, a collar inwardly spaced from the knob, an arch straddling the spindle portion between the knob and the collar, and means to secure the arch to the base.

19. In a tail stock for milling machines, a support, a horizontal member longitudinally slidable therein, a center pin carried by the forward end portion of said member, and a horizontal rocker bearing for the center pin in said member to render the center pin adjustable between high and low positions.

2,242,979
DETERGENT
Fred Weaver Muncie, Hampton, Conn., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Application September 19, 1938, Serial No. 230,675
19 Claims. (Cl. 260—400)

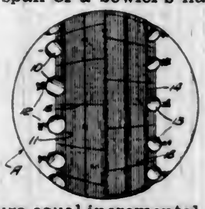


1. An apparatus for continuously forming a detergent product that comprises a mixer for reacting glycerine and sulphuric acid with fatty oil, heat transfer means within the mixer to maintain the desired temperature, and a neutralizer including an agitator, a cooling means and means to add a neutralizing solution in just sufficient amount to neutralize the reaction product.

13. A process for forming a detergent product which comprises proportionally mixing a sulphonating agent with a polyhydric alcohol within a mixing zone, controlling the temperature of said zone during the operation, proportionally reacting said mixture with one of the group consisting of fatty oils and fatty acids, within a zone of reaction, controlling the temperature during the reaction step, proportionally neutralizing the reaction product with an alkaline solution within a zone of neutralization in the presence of already neutralized material, controlling the temperature during the neutralization step, and drying the neutralized product.

2,242 980
APPARATUS FOR MEASURING BOWLERS' GRIPS
Andrew J. Nicholas, Philadelphia, Pa., assignor to The Luzerne Rubber Company, Trenton, N. J., a corporation of New Jersey
Application May 13, 1940, Serial No. 334,956
6 Claims. (Cl. 33—174)

1. In a device for measuring the size of thumb and finger openings and also the span between the openings in a bowling ball, a ball shaped member having a row of thumb openings and a row of finger openings disposed substantially parallel to each other, said openings being of various sizes and having indicia cooperating therewith to denote the size of each opening, and a plurality of spaced parallel lines provided on said member between said rows of openings for indicating the span of a bowler's hand, and operable to measure equal incremental distances over the surface of said member from said openings, the openings of one row being staggered with respect to the openings of the other row, whereby a bowler's thumb may be inserted in an opening in one row and his finger outstretched over the surface of said member towards said other row and be disposed between two of the openings thereof.



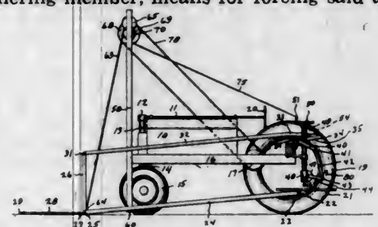
2,242,981
ILLUMINATED TWIRLING BATON
Christian R. Pedersen, Chicago, Ill.
Application September 14, 1939, Serial No. 294,977
3 Claims. (Cl. 240—6.42)



1. A baton of the class described having a tubular enclosing section, a socket member adjustably secured on one end of said section, a diaphanous element extending from the socket member, a flashlight mounted within and having a longitudinal movement independently of said section, said flashlight having a switch, abutment means for the switch located within the enclosing section, the bulb of said flashlight being in contact with the inner end of said diaphanous element so that the latter will cause the flashlight to slide bodily relatively to the enclosing section through operation of the socket member to operate the switch and cause illumination of the diaphanous element.

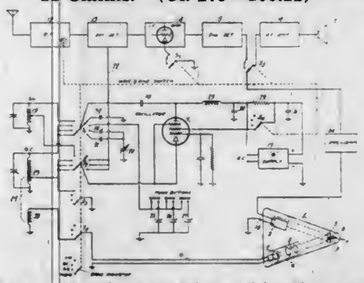
2,242,982
MANURE LOADER
John A. Schuttloffel and Edward J. Schuttloffel, Larchwood, Iowa
Application October 20, 1939, Serial No. 300,412
3 Claims. (Cl. 214—140)

1. A manure loading device for tractors comprising a pair of forwardly extending bars pivotally attached to a tractor rear draw-bar, a forward gathering arrangement pivotally attached to said forwardly extending bars, means for tilting said gathering arrangement including a pair of further forwardly extending bars positioned substantially parallel to said lower bars and pivotally attached to the upper end of said gathering member, means for forcing said upper



bars forwardly or rearwardly as desired including a rear shaft attached to the tractor, a pair of arms attached to said shaft and pivotally attached at the rear ends of said upper bars, means for swinging said arms including a further arm attached to said shaft, a link member pivotally attached to said further arm, an extension lever pivotally attached to said link member, means for pivotally moving said extension lever.

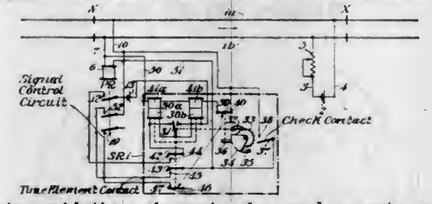
2,242,983
PHOTOELECTRIC PHONOGRAPH
Milton L. Thompson, Hollywood, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application December 13, 1940, Serial No. 370,083
11 Claims. (Cl. 179—100.11)



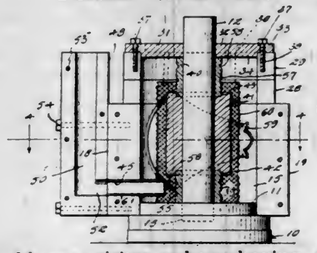
1. In a radio-phonograph combination, a radio receiver of the superheterodyne type including a local oscillator, an electro-optical phonograph pickup device including an electric lamp, switching means for selectively effecting radio or phonograph operation, and means operable by said switching means for coupling said lamp to said oscillator during phonograph operation, thereby to supply energy from said oscillator to said lamp.

2,242,984
RAILWAY TRACK CIRCUIT APPARATUS
Arba G. Williamson, Carnegie, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 5, 1939, Serial No. 271,883
4 Claims. (Cl. 246—41)

1. In a track circuit for an insulated railway track section, a source of track circuit current connected across the rails at one end of the section, a track relay, a time element relay having an operating winding and a holding winding as well as a contact actuating member moved slowly from a first position to a second position when said operating winding is energized for a predetermined period and retained at said second position when said holding winding is subsequently energized, means including a first position contact of said time element relay to connect a winding of said track relay across the rails at the other end of the section for energization of said track relay by said source of track circuit current, a local current source, means including a front contact of said track relay to connect said operating winding with said local source to energize said time element relay and operate said contact member, stick circuit means including a front contact of said track relay to connect said winding of the track relay across the rails of the section for energization of said track relay while said contact actuating member is being operated, and other means including a second position contact of the time element relay to connect said holding winding across the rails at said other end of the section for retaining said time element relay energized and said contact member at its second position in response to current supplied by said track current source.



2,242,985
MOLD
Robert Zeunert, Chicago, Ill.
Application December 10, 1940, Serial No. 369,475
1 Claim. (Cl. 22—153)



A mold comprising a base having an inset upper portion, a knockdown body of annular form seated on said base, encompassing said portion and forming in connection with the latter a cylindrical molding chamber, a shaft seated at its lower end in and axially of said portion and extended above said body, said body being formed in proximity to said portion with a horizontal passage opening into said chamber, a housing secured against said body and provided with an upstanding L-shaped channel having its horizontal leg registering with the outer end of said passage, a bar secured to and disposed diametrically of the top of said body and through which said shaft extends, a core within said chamber and arranged above said passage and spaced from said bar, a vertically disposed combined holding, supporting and spacing element for the core mounted at its lower end on said portion, encompassing said shaft and detachably engaging at its upper end in the bottom of the core, a vertically disposed combined holding and

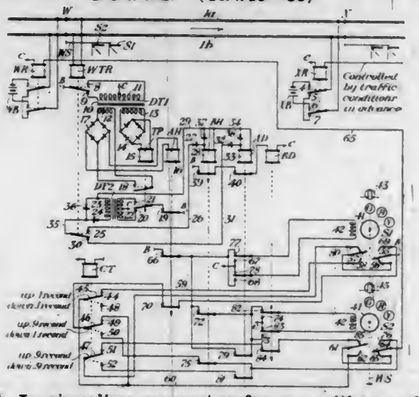
spacing element having its upper end abutting said bar, encompassing said shaft and having its lower end detachably engaging in the top of the core, and an ornament on the inner face of said body spaced from the core.

2,242,986
WHEEL
Emil Zipper, Paris, France
Application May 20, 1939, Serial No. 274,833
In Great Britain May 27, 1938
8 Claims. (Cl. 301—65)



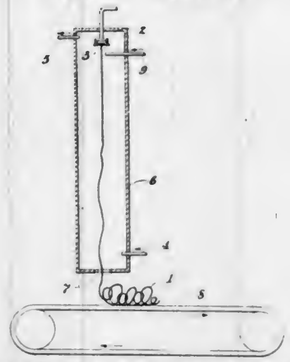
1. A wheel of the character described, comprising a hub, a rim, and a plurality of curved spokes arranged in pairs and extending between said hub and rim, the inner ends of each pair of spokes being spaced apart and the outer ends of each pair being merged together so that the spokes of each pair are disposed generally at opposite angles to a radius between them, said spokes of each pair being arranged with their concave portions facing each other.

2,242,987
RAILWAY TRAFFIC CONTROLLING APPARATUS
Earl M. Allen, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 29, 1940, Serial No. 321,538
8 Claims. (Cl. 246—38)



1. In signaling apparatus for use with a code following master relay operated by coded energy of any one of a plurality of different time codes each of which has a cyclic pattern of one on and one off period and which cyclic pattern is made distinctive by a preselected combination of predetermined short and long code periods, the combination comprising, a code following repeater relay provided with a slow release period greater than said short code period and less than said long code period, a first circuit means including a contact of said master relay to supply an energizing current impulse of relatively short duration to said repeater relay each code period of the particular code operating said master relay to distinguish between the short and long code periods by the repeater relay being retained picked up for each short code period and released during each long code period, a first and a second decoding relay, a second circuit means including a contact of said repeater relay operative when the relay is released to create an energizing current impulse, another circuit means coupled to said second circuit means and including a front and a back contact of said master relay to selectively supply said last mentioned energizing current impulse to said decoding relays according as said repeater relay is released during an on or an off code period, and signaling circuits selectively controlled by said decoding relays.

2,242,988
METHOD FOR THE MANUFACTURE AND PRODUCTION OF CURLED MONOFIL
Harry Maurice Averns, Coventry, England, assignor to Courtaulds Limited, London, England, a British company
Application May 1, 1940, Serial No. 332,831
In Great Britain May 10, 1939
1 Claim. (Cl. 18—54)

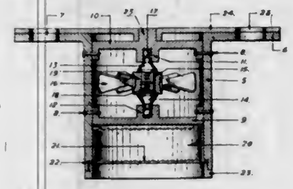


A process for the production of curled monofil of at least 100 denier which comprises extruding a solution of a cellulose derivative taken from the group of organic esters and ethers of cellulose downwards through an orifice into an evaporative medium, directing a steady continuous current of evaporative medium on to one side of the extruded solution just below the orifice and allowing the resulting filamentary product to fall under its own weight, without subjecting it to any other tension, on to a collecting device.

2,242,989
FUEL SAVING DEVICE FOR INTERNAL COMBUSTION MOTORS
Enrique Nieves Bosdet, Mexico, D. F., Mexico
Application April 9, 1940, Serial No. 328,789
In Mexico November 16, 1939
2 Claims. (Cl. 48—180)

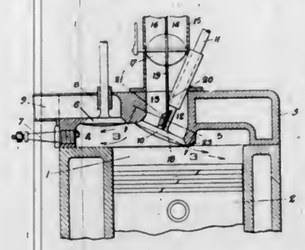
1. In a fuel saving device, a casing open at each end, bars secured transversely of the casing in spaced relation and extending throughout the full diameter of the casing, a socket projecting from the proximate surfaces of the bar in the axial line of the casing, pivot members mounted for rotation in each socket and extending beyond the socket as tubular extensions which

are aligned axially of the casing, a fan having a central hub keyed on both said extensions to prevent independent rotative movement and permit free axial movement, a spring housed in the extensions and maintaining separating pressure



on the respective pivot members, and an anti-friction element for the pivot member in each socket, the bearing contact between the pivot members and anti-friction elements being maintained by said spring.

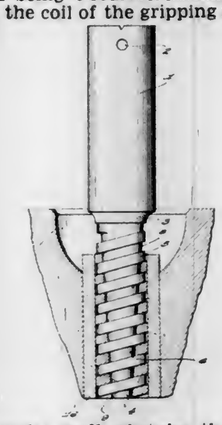
2,242,990
INTERNAL COMBUSTION ENGINE
Thomas Edgar Brown, Hamilton, Ontario, Canada
Application February 15, 1941, Serial No. 379,006
9 Claims. (Cl. 123—75)



1. An internal combustion engine having a cylinder, a piston reciprocable therein, a cylinder head in which is formed a primary combustion chamber and a secondary combustion chamber, a dividing baffle separating the chambers and extending across the cylinder head, an intake valve positioned in the cylinder head, an air and fuel passage extending to the valve, an air passage also extending to the valve, said valve constituting an operable closure for both passages, the ends of the passages and the valve being so positioned in the cylinder head that upon the valve being opened the air and fuel mixture is directed towards the primary combustion chamber and the air towards the secondary combustion chamber, an exhaust valve in the primary combustion chamber, and a spark plug in the primary combustion chamber.

2,242,991
EXPANDING ARBOR
Roger W. Carl, Elmhurst, Ill., assignor of twenty-two and one-half per cent to Chester W. Nusperle and twenty-two and one-half per cent to Homer E. Nusperle, both of Elmhurst, Ill.
Application June 6, 1940, Serial No. 339,204
5 Claims. (Cl. 51—241)

1. An expanding arbor including a body having a tapered shank formed with a thread, and a gripping member carried on the shank and comprising a coil interengaging with the thread, said shank being circumferentially movable for expanding the coil of the gripping member to en-



gage a circular wall whereby the body will be alined concentrically with the wall.

2,242,992
WINDSHIELD CLEANER
George T. Devor, Cleveland, Ohio
Application December 4, 1940, Serial No. 368,543
3 Claims. (Cl. 30—169)

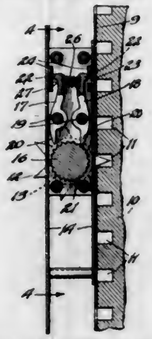


1. In a windshield cleaner, a handle comprising side members, a spacer between the side members, a hand cushion extended between the side members and abutting against one edge of the spacer, a scraper pivoted between the side members, for opening and closing movement, the cushion forming a stop for the scraper, when the scraper is in closed position, the spacer being set inwardly far enough from one end of the handle so that the scraper can be opened through an arc of more than 180°, to a position crosswise of the handle, the opposite edge of the spacer then forming a stop for the scraper.

2,242,993
WINDOW CONSTRUCTION
Vincent B. Domecki, Chicago, Ill.
Application June 16, 1939, Serial No. 279,500
2 Claims. (Cl. 292—280)

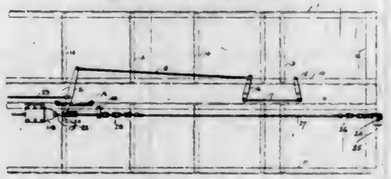
1. In mechanism including a toothed wheel mounted for rotation in a window frame for latching and retaining a slidable sash in a desired position in either direction of its travel in the frame, means to lock the sash against movement when in either an open or closed position, and comprising a ratchet wheel secured to said toothed wheel, a pair of pawls adapted to selectively or jointly engage the teeth of the ratchet wheel, a spring engaging said pawls and tending to force the pawls into seating engagement with the ratchet wheel, a projection at the end of each pawl, and a manually operated member for controlling the seating engagement of the pawls whereby to selectively latch the ratchet and toothed wheels against rotation in either desired direction or to lock said wheels and sash against movement in both directions of travel, said member having a pair of arms each provided with

a slot adapted to receive the projection on the end of one of said pawls when the slots are moved into a position in which one or the other is in alignment with its respective projection at which time the spring forces the pawl having its pro-



jection in alignment with a slot, into latching engagement with the ratchet wheel, or into a position in which both slots are aligned with the projections at which time both of said pawls are moved into latching engagement by the action of the spring.

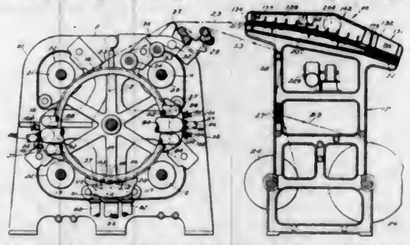
2,242,994
RESILIENT BRAKE CONNECTION FOR RAILWAY CARS AND THE LIKE
George B. Dorey, Westmount, Quebec, Canada
Application April 25, 1938, Serial No. 204,025
1 Claim. (Cl. 267—72)



As an article of manufacture, a resilient connection for maintaining a stabilizing tensional force in the brake connections of a railway car, said connection including oppositely movable shouldered means and a coil spring interposed between the shoulders of the respective means, said respective oppositely movable means being extended beyond each other to present portions for attachment to adjacent brake members, the means movable in one direction including a centrally disposed element within the spring and extending substantially from side to side thereof, and the means movable in the opposite direction being formed of two members respectively lying on opposite sides of the centrally disposed member, each member of the pair having the shouldered portion extending around the centrally disposed element in order to bring the pair of members in abutting relation and thereby centralize said members with respect to the spring.

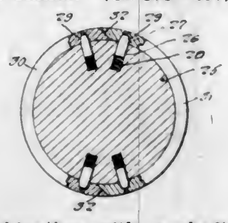
2,242,995
DRIER AND METHOD OF DRYING
Emil Ericksson, Chicago, Ill., assignor to Standard Process Corporation, Chicago, Ill., a corporation of Delaware
Original application September 22, 1932, Serial No. 634,406. Divided and this application September 5, 1936, Serial No. 99,671
20 Claims. (Cl. 101—416)

1. A drier comprising a casing formed as a plurality of separate compartments severally connected to sources of heated fluid, a relatively cool fluid and vacuum, and a plurality of nozzles connected with said compartments, some of said nozzles being arranged to discharged heated



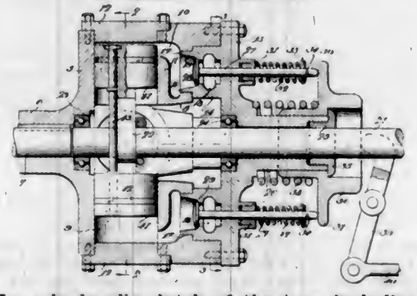
fluid and immediately effect its removal by suction at one portion of said casing, and other nozzles being arranged to discharge cooled fluid and immediately effect its removal by suction at another portion of said casing.

2,242,996
REPLACEABLE BEARING
Henry George Andrews, Moskee, Wyo.
Application July 24, 1939, Serial No. 286,291
2 Claims. (Cl. 308—237)



1. In combination with a shaft, a bearing sleeve divided longitudinally to provide a pair of semi-cylindrical bearing sections, said bearing sections being provided with recesses on their inner surfaces, pins projecting from the shaft and into the recesses to hold the said sections to the shaft.

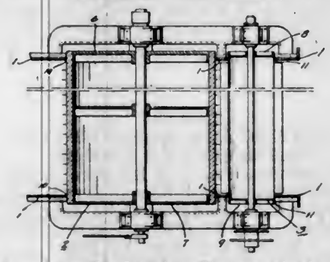
2,242,997
HYDRAULIC TRANSMISSION CLUTCH
Clarence G. Balcom, Springdale, Conn.
Application January 9, 1939, Serial No. 250,042
1 Claim. (Cl. 192—60)



In a hydraulic clutch of the type including a casing having a fluid chamber and cylinders opening into the chamber, pistons operating within the cylinders and passages connecting the fluid chamber with the outer ends of the cylinders, the improvement comprising valves positioned within the passages and having valve

stems extending exteriorly of the casing, said valves unseating in the direction of the pistons and controlling the flow of fluid through the passages, spring means urging the valves in a direction to close the passages, suction existent in the outer ends of the cylinders during the suction stroke of the pistons unseating the valves against the resilient action of the spring means and drawing fluid from the chamber into the outer ends of the cylinders, and a manually operated actuator plate movable into engagement with the valve stems to simultaneously unseat all of said valves and to hold the valves in the said unseated position, whereby operation of the pistons will discharge the fluid in the cylinders into the central chamber.

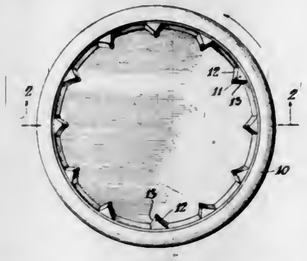
2,242,998
ROTARY FEED FOR STOCK DRIERS
Stanislaus Bogaty, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application October 9, 1939, Serial No. 298,697
2 Claims. (Cl. 19—67)



1. A rotary feeder for fibrous stock comprising a hopper including opposite side walls, a rotary drum of greater length than the distance between said side walls mounted in said hopper with the opposite ends of the drum extending beyond said side walls respectively through openings formed in and completely through said side walls and of slightly greater diameter than the drum, means in said hopper for feeding stock against the peripheral face of the drum, and means in said hopper for finally removing the stock from said drum, said side walls confining the stock on the drum to a predetermined thickness adjacent said side wall openings between said feeding means and said removing means, said extended ends of said drum carrying loose stock escaping through said openings outwardly beyond said side walls of the hopper.

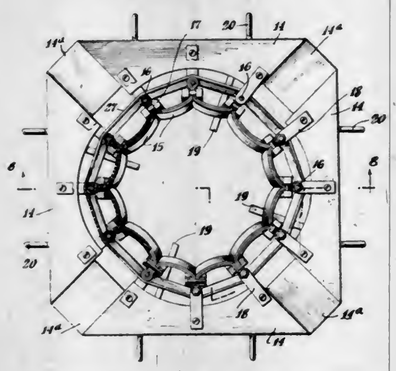
2,242,999
APPARATUS FOR SPINNING RAYON
Alfred Seely Brown, Hamilton, N. Y., assignor to Skenandoa Rayon Corporation, Utica, N. Y., a corporation of Delaware
Application March 11, 1938, Serial No. 195,363
3 Claims. (Cl. 18—8)

1. A spinning pot for spinning a rayon yarn cake by the centrifugal spinning system, comprising a hollow bucket portion having a diameter of the order of about seven inches, in which the yarn is to be spun and collected, and a plurality of generally V-shaped inwardly-projecting substantially vertical ribs arranged at intervals about the inner surface of the pot and so shaped as to present toward the cake a plurality of acute, substantially triangular, pointed projections adapted to form spaced, reentrant angular recesses or notches extending substantially vertically in the outer periphery of a yarn cake spun in the pot; the number of said ribs being not less than nine or more than fifteen; the radial depth of each rib being not greater than about three-eighths of an inch; the length of the cord at the base of each rib being between about one and one-half and three and one-half times the radial depth of the rib; and the slope of the lead-



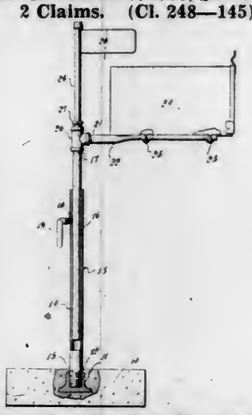
ing face of each rib being less than the slope of the trailing face thereof, with respect to the periphery of the spinning pot, whereby a substantial excess length of yarn is spun into the outer layers of the cake without detrimental variation in centrifugal force applied to the yarn, and while the yarn in the outer layers of the cake substantially follows the contour of the inner surface of the spinning pot.

2,243,000
METHOD AND APPARATUS FOR MANUFACTURE OF RAYON
Alfred Seely Brown, Hamilton, N. Y., assignor to Skenandoa Rayon Corporation, Utica, N. Y., a corporation of Delaware
Application March 11, 1938, Serial No. 195,364
6 Claims. (Cl. 18—8)



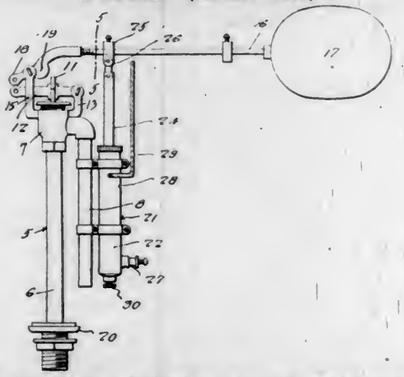
1. An apparatus for use in the manufacture of rayon by applying components of substantially tangential primarily compressive force simultaneously over substantially the entire outer surface of a spun rayon yarn cake, comprising an elastic wall member normally smaller in diameter than the outer surface of a rayon yarn cake to be treated therein, and means for stretching said elastic member to a diameter sufficient to receive the yarn cake and then releasing the stretched wall member to engage the outer surface of the cake and apply components of substantially tangential force thereto.

2,243,001
MAILBOX SUPPORT
David R. Calvert, Scottsville, Ky.
Application November 3, 1938, Serial No. 238,684
2 Claims. (Cl. 248—145)



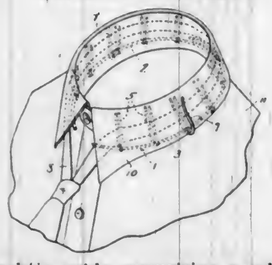
2. A supporting bracket for mail boxes and the like, comprising a bracket, of tubular construction, having a shank end, detachably connected to supporting means, and a forked end, the legs of the forked end being flattened and offset upwardly to have their upper surfaces disposed substantially in the same plane as the upper portion of the shank end to provide therewith a supporting surface for a mail box or the like.

2,243,002
FLUSH TANK VALVE
Walter H. Cronk, Canastota, N. Y.
Application June 8, 1939, Serial No. 278,157
2 Claims. (Cl. 137—104)



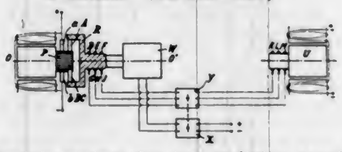
1. In a flush tank valve, an inlet water supply pipe, a valve for controlling said pipe and including a valve lever for operating said valve, a float arm pivotally mounted on said pipe and including spaced extensions to engage with said lever when the float arm is in its uppermost position and in its lowermost position to bring about closing of the water supply pipe by said valve when the float arm occupies either of the stated positions, a float connected to said arm, and a fluid dash pot connected to said float arm and including a valve control means for admitting fluid thereto and permitting said fluid to escape therefrom in accordance with the direction of movement of the float for governing the speed of descent of the float.

2,243,003
NECKTIE GUIDE
William Clarence Dickout, Hardieville, Alberta, Canada
Application April 26, 1940, Serial No. 331,870
2 Claims. (Cl. 2—138)



1. A necktie guide comprising a split, resilient ring insertable in a collar, guides mounted at spaced points on the ring, said guides each comprising a single length of wire including a coil at an intermediate portion encircling the ring and spaced, parallel fingers adapted to slidably receive a necktie therebetween, and resilient clips on the ring engageable with the collar for securing the ring in position therein.

2,243,004
ELECTRIC ARRANGEMENT FOR TRANSMITTING ANGLES
Paul Fourmarier, Jr., and Maurice Lempereur, Brussels, Belgium, assignors to Servo-Frein Dewandre, Société Anonyme, Liege, Belgium
Application July 31, 1939, Serial No. 287,632
In France August 12, 1938
1 Claim. (Cl. 172—239)



An electric system for transmitting synchronous angular motion of at least two rotatably mounted members at speeds the ratio of which is equal to the quotient of any two whole numbers comprising, a rotary transmitter provided with a commutator, brushes in sliding contact with said commutator for supplying current to the transmitter, a rotary member capable of free rotation about the axis of the transmitter, brushes mounted on said rotary member cooperating frictionally with said commutator and spaced

$$\frac{360}{q}$$

electrical degrees with respect to each other, q slip rings on the rotary member electrically connected to the brushes thereof, a rotary receiver comprising a q-phase polar synchronous motor, an armature mounted for rotation in the receiver, means for electrically connecting said slip rings with said armature, an electric motor for driving said brush carrier, a rheostat for regulating the speed of said motor, a second rheostat interposed in the electrical connection between the slip rings and the armature, and means for simultaneously controlling the two rheostats to decrease the resistance of the second rheostat when the resistance of the first rheostat is decreased.

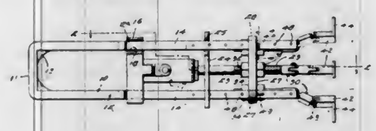
2,243,005
TUBE CLEANER MOTOR
Paul E. Good, Riverton, N. J.
Application November 22, 1938, Serial No. 241,858
20 Claims. (Cl. 121—34)

1. In a tube cleaner motor, oppositely rotating cylinder and piston bearing shaft elements, and a cutter for and driven by each element.



10. In a rotary motor or the like, concentric relatively rotatable cylinder and shaft elements, the outer element comprising the cylinder and being provided on its inner surface with a circumferential series of spiral grooves, means to introduce fluid pressure to said grooves and exhaust fluid pressure therefrom, the shaft fitting within the cylinder and having a slot, rotatable pistons carried by said shaft and partially disposed in said slot and having lobes meshing with said grooves and blocking said grooves from end to end during their passage therethrough, and spring-pressed followers holding said pistons in extended position.

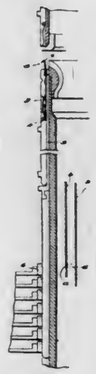
2,243,006
WHEEL PULLING DEVICE
John S. Houston, Waverly, Ala.
Application December 12, 1938, Serial No. 245,291
7 Claims. (Cl. 29—85)



1. A pulling device comprising a U-shaped frame, laterally offset extensions integral with said frame and forming an abutment at the junction between said extensions and said frame, a fluid operated jack member disposed between said extensions, a base carried by said jack slidably engaging said extensions and engaging against said abutment, a plate loose on said extensions, said extensions having a plurality of spaced apart openings therethrough, pins engaging through selected openings in said extensions and against said plate to hold said plate against movement in one direction relative to said extensions, and means secured to said plate for securing said plate to an article to be worked upon.

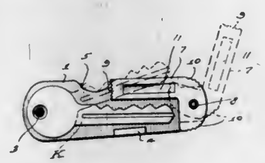
2,243,007
APPARATUS FOR THE MANUFACTURE OF FIGURED, COVERED KNITTED FABRIC
John Hoza, Belcamp, Md.
Application March 21, 1939, Serial No. 263,306
In Czechoslovakia March 23, 1938
4 Claims. (Cl. 66—14)

1. In a two-cylinder knitting machine having double ended needles and grooves in the cylinders to provide guides for the needles, the needles being movable to-and-fro in their respective grooves to co-operate alternately with said cylinders; means for effecting during said to-and-fro movement an adjustment of at least one needle in the plane of its eye so as to allow the formation of reverse-plated stitches, said means comprising a slider in one of the grooves in which said needle moves, the slider being normally positioned between the rear of the needle and the bottom of the groove and supporting said needle, and being adapted for engagement by



pattern control means so that when a reverse-plated stitch is to be formed, the slider is withdrawn partly from behind the needle so that the needle is supported in an inclined disposition partly on the slider and partly on the bottom of the groove.

2,243,008
KEY CASE
Leonard A. Johnson, Ellendale, Minn.
Application April 16, 1940, Serial No. 329,978
2 Claims. (Cl. 70—456)

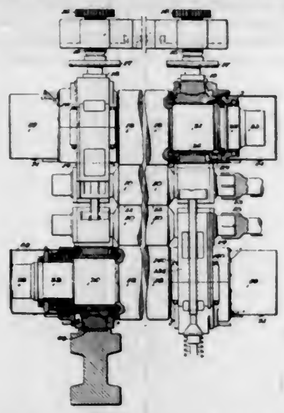


1. A key case of the class described comprising a pair of elongated members, a sectional screw rivet passing through one end of the key members and adapted to receive eyes of keys placed in the device, an L-shaped latch member including a long arm and a short arm, a pivot passing through the other ends of the two members and through the short arm and projections on the two members between which and the long arm of the latch member the keys are held while the latch member is in closed position.

2,243,009
ROLLING MILL AND BEARING THEREFOR
Albert Kingsbury, Greenwich, Conn., and Harry A. S. Howarth, Philadelphia, Pa., assignors, by mesne assignments, to Mesta Machine Company, West Homestead, Pa., a corporation of Pennsylvania
Application January 26, 1934. Serial No. 708,501
83 Claims. (Cl. 80—55)

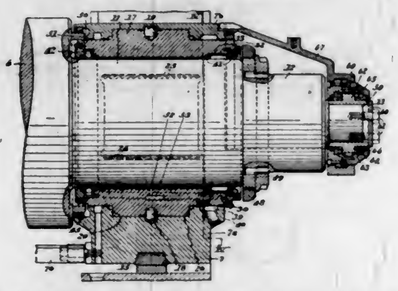
1. In rolling-mill practice, mounting the roll necks on radial oil-film bearings and compensating for the tendency for changes in roll speed

to change the gauge of the rolled material by changes in the thickness of the oil film between



the relatively rotatable bearing members of the rolls.

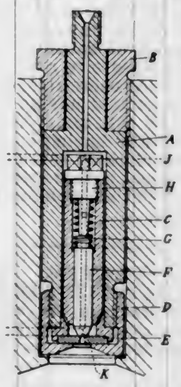
2,243,010
ROLLING MILL
Lorens Iversen, Pittsburgh, Pa., assignor to Mesta Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 26, 1934, Serial No. 727,701
30 Claims. (Cl. 80—38)



1. In a rolling mill, a roll having a neck, a shell embracing the neck and bodily movable with the roll, and a sealing ring carried by the roll neck effective for closing off the ends of the shell, the sealing ring being normally spaced from the shell but movable into engagement therewith.

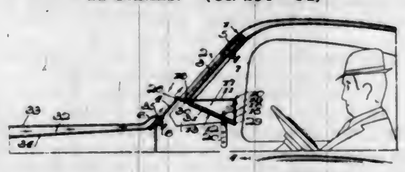
2,243,011
INJECTOR FOR INTERNAL COMBUSTION ENGINES
Prosper L'Orange, Stuttgart-Feuerbach, Germany; Rudolf L'Orange executor of the estate of said Prosper L'Orange, deceased
Application December 23, 1938, Serial No. 247,528
In Germany June 24, 1938
9 Claims. (Cl. 299—107.6)

1. An injection nozzle for internal combustion engines for effecting a preliminary injection of fuel followed by a main injection of fuel during each fuel injection operation and comprising a casing having an axially extending guide bore, a first chamber located above said guide bore and in communication therewith, a fuel inlet passage in communication with said first chamber through a restricted passage having a throttling action, a second chamber below said guide bore in communication therewith and with a fuel outlet opening at the lower end of said casing in communication with the engine cylinder, and a passage leading from said fuel inlet passage to said second chamber; a needle adapted to reciprocate within said guide bore and having a passage extending therethrough leading from said first chamber to said fuel outlet opening through a restricted passage having a throttling action, the lower end of said needle having a surface exposed to the pressure of the fuel within said second chamber, which surface terminates in a portion adapted to normally close communication between said second spring acting upon the upper end of the needle chamber and said fuel outlet opening, and a and tending to hold said needle in its normally closed position; the arrangement being such that



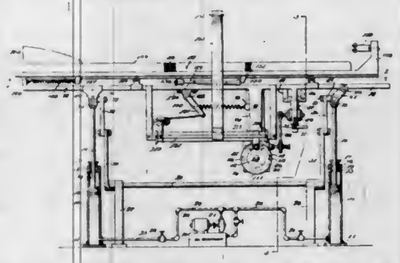
when fuel under pressure is forced through the inlet passage in the casing a portion of said fuel passes through the restricted opening leading to the first chamber, through said first chamber, through the passage in the needle, through the restricted passage leading from said first chamber to the fuel outlet, through the fuel outlet opening in the casing and into the engine cylinder to constitute the preliminary injection of fuel thereto, and simultaneously with said preliminary injection, fuel is forced under pressure through the passage in the casing leading to said second chamber where said pressure acting upon the surface of said needle exposed within said second chamber is sufficient to lift said needle from said fuel outlet opening against the pressure of said spring, whereby the main fuel injection enters the engine cylinder.

2,243,012
CLEAR VISION WINDSHIELD FOR AUTOMOBILES AND OTHER VEHICLES
George McMullen, Rochester, N. Y.
Application September 21, 1940, Serial No. 357,796
11 Claims. (Cl. 296—84)



1. A device of the class described including a windshield designed to be mounted on a vehicle and having relatively movable upper and lower sections and a clear vision device extending rearwardly from said sight opening and having a collapsible chamber movable to an inoperative position when the windshield is closed and to the sight opening of the windshield when the latter is open and having a transparent rear wall offset from the windshield and protected by said chamber.

2,243,013
THERAPEUTIC APPARATUS
Lloyd W. Morey and Everett A. Buck, Millinocket, Maine
Application February 27, 1939, Serial No. 258,832
6 Claims. (Cl. 128—52)

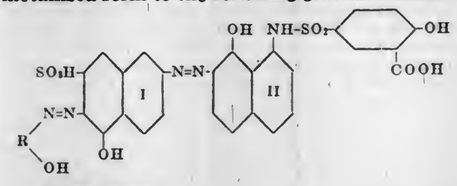


4. In a therapeutic apparatus, a frame adapted to support the body of a patient, cylinders rotatably mounted on the said frame, yieldable means to normally hold the cylinders against rotation, a hollow shaft rotatably carried by the frame below the said cylinders, means to rotate the said shaft, a disk carried by one end of the said hollow shaft and rotatable therewith, a shaft rotatable within the hollow shaft, disks carried by the ends of the said second-mentioned shaft, the disk at the end adjacent the first-mentioned disk being fixedly secured to the shaft and the other of the disks being independently rotatable therewith, means to detachably lock the first-mentioned disk to the fixedly secured second-mentioned disk, means to detachably lock the independently rotatable second disk for rotation with the shaft, eccentrics on the said second-mentioned disks, straps connecting the eccentrics and the said cylinders to rotate the said cylinders against the action of the said yieldable means, straps adapted to girdle the body of the patient and having one end secured to the said cylindners in a manner whereby a transverse sliding movement is imparted to the said straps upon actuation of the cylinders, and a roller means carried by the straps and contacting the patient.

6. In a therapeutic apparatus, the combination of a rotatable hollow shaft, gear means to rotate said shaft, a disk keyed to one end of the shaft, a shaft mounted for rotation in said hollow shaft, disks mounted on both ends of the said second-mentioned shaft, and means to detachably lock the first-mentioned disk to one of the second-mentioned disks thereby imparting rotation to the said second-mentioned shaft.

2,243,014
MANUFACTURE OF DISAZO DYESTUFFS
Max Müller, Basel, and Roger Ratti, Neu-Allschwil, near Basel, Switzerland, assignors to Durand & Huguenin A. G. Basel, Switzerland
No Drawing. Application March 31, 1939, Serial No. 265,336. In Germany April 4, 1938
10 Claims. (Cl. 260—148)

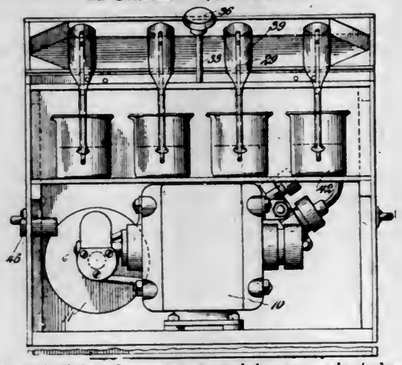
9. Blue-dyeing chromium compounds of mordant disazodyestuffs, corresponding in the non-metallised form to the following general formula:



in ortho position to the azo group

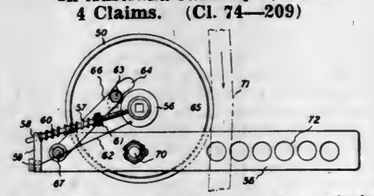
wherein the naphthalene nucleus I may further be substituted by chlorine and sulpho groups, the naphthalene nucleus II by sulpho groups and R stands for one of the group consisting of benzene and naphthalene nuclei.

2,243,015
BOTTLE WASHER
Junius G. Patterson, Gastonia, N. C.
Application November 18, 1938, Serial No. 241,237
11 Claims. (Cl. 141—7)



1. A bottle cleaner comprising an air tube for supporting a bottle in an inverted position, a receptacle having a cleaning liquid therein and in which the open end of the bottle is immersed to form an air seal for the bottle and a pump having a common intake and discharge port connected directly to said tube and adapted upon a continuous operation, for alternately creating a suction and pressure of air within the bottle to draw the liquid into and force the liquid from the bottle.

2,243,016
OPERATING MECHANISM FOR WINDSCREEN WIPERS
Norman John Pritchard, Mosman, near Sydney, New South Wales, and Claude William Walters, Lane Cove, near Sydney, New South Wales, Australia; said Walters assignor to said Pritchard
Application December 18, 1939, Serial No. 309,878
In Australia January 7, 1939
4 Claims. (Cl. 74—209)



1. In operating mechanism for windscreen

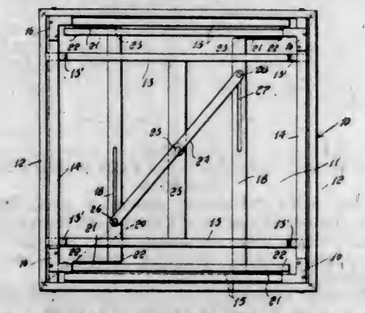
wipers, the combination with a driving element actuated by a prime mover, and a driven element coupled to wiper blade oscillating devices, of means for transmitting rotary motion to said driven element from said driving element whereby the speed of said driven element is prevented from exceeding a selected speed, said means comprising, a pulley, a drive spindle upon which said pulley is fixed, means enabling drive connection of said spindle to said driven element, a sleeved member mounted on said spindle, a non-rotatable friction ring freely mounted on said sleeved member, a plurality of out-of-balance rock arms which are pivoted on said pulley and which are adapted to contact said friction ring, an eccentric pivot support for said sleeved member, and spring means whereby said sleeved member is influenced to move about its said pivot support towards said driving element.

2,243,017
TACK BUTTON
Forrest G. Purinton, William A. Zwiebel, and Harold N. Verzier, Waterbury, Conn., assignors to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application January 3, 1939, Serial No. 249,138
10 Claims. (Cl. 24—90)



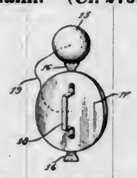
1. A solid ductile zinc alloy button having a hub provided with a straight bore to receive a fastener, a fastener having a prong of slightly larger diameter than the bore to provide a driving fit with said bore, and the fastener having a relatively hard skin-like coating to act as an adhesive between the walls of the bore and the prong of the fastener.

2,243,018
TABLE
Emil Senft, Cleveland, Ohio
Application November 3, 1938, Serial No. 238,669
3 Claims. (Cl. 311—85)



2. A table having pairs of legs pivotally connected thereto and disposed adjacent the corners thereof, a lever pivotally connected intermediate of its ends to the table, bars slidably mounted on said table, links pivotally connected to said bars and to the legs, adjacent their pivoted ends, said bars being provided with longitudinal slots extending from adjacent their centers in opposite directions, and lugs on the ends of said lever for slidably engaging the slots to project and retract them relatively to each other for opening and closing the legs.

2,243,019
VACUUM CUP RUBBER BALL CATCHER
Henry Singer, Honolulu, Territory of Hawaii, assignor of one-half to James Richard Leach, Honolulu, Territory of Hawaii
Application October 31, 1939, Serial No. 302,234
1 Claim. (Cl. 273—96)



A toy comprising, a disk, an arched grip disposed at the center of one face of the disk for manipulating the disk, a pair of rubber vacuum cups mounted on the periphery of the disk at diametrically opposite points thereof, said arched grip being alined with said vacuum cups to facilitate playing a ball into the cups, and a rubber ball anchored to the center of the other face of the disk by a rubber cord secured to the center of said face of the disk between the ends of said arched grip.

2,243,020
PROCESS FOR PRODUCING FAST TINTS ON CELLULOSE FIBERS
Fritz Straub, Kaiseraugst, near Basel, and Walter Hanhart, Riehen, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application June 30, 1939, Serial No. 282,318. In Switzerland July 25, 1938
3 Claims. (Cl. 8—42)

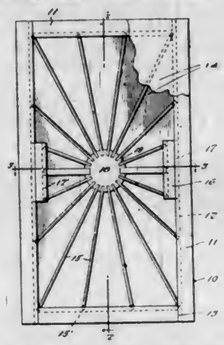
1. A process for producing fast tints on cellulose fibers, which comprises reacting, in an aqueous medium rendered alkaline with alkali metal carbonate, a metal-yielding agent which is stable to aqueous alkali metal carbonate solutions at least in the cold and which contains metal bound in complex form to an aliphatic hydroxy carboxylic acid, with cellulose fibers which have been dyed with a direct dyeing azo-dyestuff which is capable of being metallized and which is produced by coupling, on both sides, a tetrazotized 4:4'-diamino-3:3'-dialkoxy-diphenyl, the alkoxy groups of which belong to the lower aliphatic series, with coupling components which contain SO_3H groups and which are selected from coupling components of the benzene and naphthalene series.

2,243,021
SQUIRREL CAGE ROTOR OF INDUCTION MACHINES
Toshitaro Takenouchi, Shinagawa-ku, Tokyo, Japan
Application December 16, 1938, Serial No. 246,225
In Japan December 18, 1937
4 Claims. (Cl. 172—120)



3. A squirrel-cage rotor of an induction machine comprising, a core of substantially the same axial length as a stator for the machine, outer end rings and one inner end ring, said outer rings being arranged adjacent the ends of the core, bars connecting said outer rings forming a high resistance circuit, said inner ring being embedded within said core at a point removed from the center and connected to said bars forming a low resistance circuit.

2,243,022
HOLLOW CORE PANEL
Jesse F. Thomas, New London, Wis.
Application May 17, 1939, Serial No. 274,299
4 Claims. (Cl. 20—35)



1. A panel of the class described having a frame, said frame having grooves in the inner walls thereof, strips of the same thickness as said frame entered in said grooves, a hub engaged by the inner ends of the strips, said strips having tongues disposed in the grooves and of less length than the grooves, and one of the grooves being extended to the outer margin of the frame and outer plies secured directly to the outer sides and edges of said strips.

2,243,023
COLORED GOLD ALLOY
Ludwig Weiss, Frankfort-on-the-Main, Germany, assignor to Chemical Marketing Company Inc., New York, N. Y., a corporation of New York
No Drawing. Original application May 1, 1940, Serial No. 332,841. Divided and this application May 22, 1940, Serial No. 336,653. In Germany April 13, 1939
4 Claims. (Cl. 75—165)

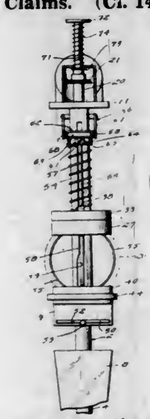
1. A workable gold alloy having a purple colored shade consisting of 75 parts of gold, 24.25 parts of aluminum, 0.25 parts of thorium and 0.5 parts of tin.

2,243,024
ROTARY IMPRESSION SEAL
Jay B. White, Alief, Tex.
Application March 28, 1940, Serial No. 326,477
4 Claims. (Cl. 101—23)



1. A device of the class described comprising a casing, impression rollers journaled therein, said impression rollers being provided with corresponding meshing gears, one of said rollers being provided with a pinion, a shaft having an intermediate portion journaled in an end wall of said casing, a pinion on one end of said shaft disposed within said casing for meshing with said first mentioned pinion, a knob keyed to the opposite end of said shaft and disposed on the outer side of said casing for turning the shaft to revolve said rollers, said casing being provided with a slot extending laterally through the center thereof and from one end to adjacent the opposite end of the casing for inserting a sheet into the casing, between the rollers and to be engaged thereby, and an arcuately shaped groove in one side of the pinion, and a pin projecting from the casing and engaging the groove for limiting the extent of rotation of said rollers and for positioning corresponding portions of the rollers in opposed relationship when said knob is turned to the full extent of its movement in one direction.

2,243,025
CITRUS FRUIT JUICE EXTRACTING MACHINE
George E. Wilson, Fort Lauderdale, Fla., assignor to Wilson Citrus Fruit Juice Extracting Machine Incorporated, Fort Lauderdale, Fla.
Application March 6, 1940, Serial No. 322,605
11 Claims. (Cl. 146—3)

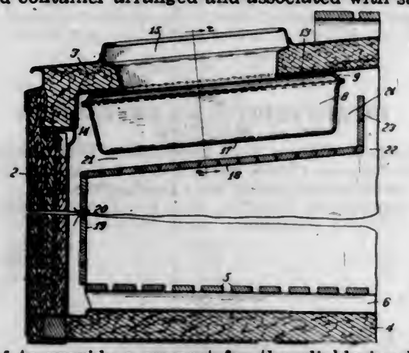


1. In a fruit juice extracting means, a depressible tubular coring member for extension axially through the fruit and being formed with spaced lengthwise extending slots, means for rotating said member, spaced resilient extractors for the fruit juice bodily carried with said member and having the major portion of their length normally arranged in said slots, said extractors having their inner ends disposed within and connected to said member in proximity to the inner end of the latter and their outer ends arranged in outward lateral relation with respect to said slots, said elements having parts thereof projectable from said member outwardly through said slots into the fruit for removing the juice from the latter, and depressible means slidably mounted on said member and connected to the outer ends of said extractors for projecting the said parts for juice extraction.

2,243,026
REFRIGERATOR CAR CONSTRUCTION
Kurt E. Zeidler, Pittsburgh, Pa., assignor to Standard Railway Refrigerator Company, Chicago, Ill., a corporation of Delaware
Application April 24, 1939, Serial No. 269,649
6 Claims. (Cl. 62—17)

1. In a refrigerator car having spaced apart insulated car walls, a roof insulated by pliable

insulation, an insulated floor, a foraminous floor spaced above the insulated floor cooperating to form an air space between said floors, a refrigerating compartment under said roof and adjacent one of said walls, and means providing for the flow of air into said compartment, a vertical flue associated with said wall, said flue extending substantially from near the floor to near the refrigerating compartment and communicating at the lower portion thereof with said space and at the upper portion thereof with said refrigerating compartment, the combination of a refrigerant container positioned within said compartment, said container arranged and associated with said



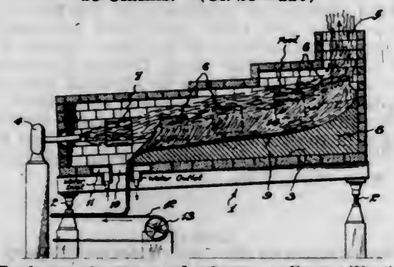
roof to provide a support for the pliable insulation thereof, the top of said container having offset portions formed therein projecting away from the container and extending substantially from side to side of said top to stiffen said top, and means to prevent said pliable insulation from entering the spaces between said offset portions, thereby forming a series of ducts above the portions of said top between the offset portions so that air warmed by the lading rising upwardly enters the refrigerating compartment and passing through said ducts is cooled and densified and therefore moves down the vertical flues by gravity into the space below the foraminous floor from whence it rises to replace the warmed air.

2,243,027

MANUFACTURE OF ANHYDROUS SILICATES IN PUMICEOUS FORM

Chester L. Baker, Penn Wynne, Pa., assignor to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 24, 1938, Serial No. 226,550
18 Claims. (Cl. 23—110)



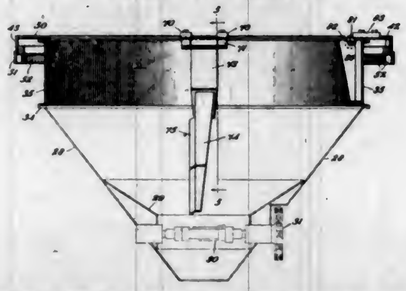
17. A pumiceous, anhydrous sodium silicate in the form of a congealed anhydrous melt, when in bulk resembling in appearance a fine-grained bread with minute bubbles dispersed in a matrix of fine crystals and vitrified material, said product containing from about 2 to 0.5 molecules of SiO_2 to 1 molecule of Na_2O, having a specific gravity ranging from about 0.5 to 2.5 and having a rate of solubility of the order of that of a solid, hydrated product having a similar granulation and ratio of SiO_2 to Na_2O, the bubbles in said product resulting from the internal evolution of a gas in a melt of said product during cooling and crystallization and before hardening.

2,243,028

AGITATING ATTACHMENT FOR THE HOPPERS OF CONCRETE PUMPS

Charles F. Ball, Wauwatosa, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Application July 26, 1939, Serial No. 286,685
4 Claims. (Cl. 259—178)



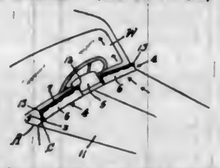
1. An agitating attachment for concrete pumps for preventing segregation and channeling of pre-mixed plastic concrete mixtures in the fixed conical hoppers of such pumps, consisting of a unitary structure adapted to be readily detachably secured to the pump hopper, comprising an annular supporting member arranged to surmount the hopper and to be readily detachably secured thereto; an annular structure rotatably mounted by said supporting member; an agitating member pendulously carried by said rotatable annular structure, arranged to extend downwardly within the hopper in proximity to the inner surface thereof; and power driven means arranged to slowly rotate said annular structure to move said agitating member through the plastic mixture to prevent segregation of the constituents thereof.

2,243,029

DEFLECTOR FOR AUTOMOBILE WINDSHIELDS

Edward C. Cupit, Reno, Nev.

Application December 7, 1939, Serial No. 308,060
1 Claim. (Cl. 296—91)



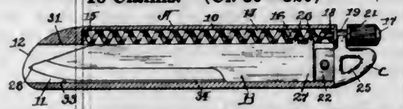
In combination with an automobile having a cowl provided with a depression at its front edge and a gasket fastened in said depression and adapted to be engaged by the rear edge of the hood of the automobile, a pair of deflectors each including a body part and forwardly extending fingers connected at the rear ends with the lower edge of the body part at the ends thereof, said fingers extending under the gasket to hold the deflector in place when the hood is raised.

2,243,030

KNIFE

Howard L. Fischer, St. Paul, Minn.

Application May 4, 1938, Serial No. 205,965
18 Claims. (Cl. 30—320)



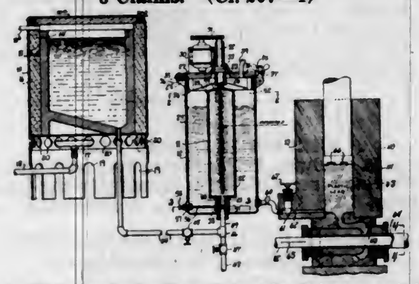
1. A knife including a blade, a handle for said blade, a threaded member adapted to contact said blade in a manner to operate the same to move into and out of said blade in said handle, said blade being normally concealed in said handle.

2,243,031

METHOD AND APPARATUS FOR APPLYING METALLIC SHEATHS TO CABLES

Leigh E. Fogg, East Providence, R. I., assignor to Kennecott Wire and Cable Company, Phillipsdale, R. I., a corporation

Application May 11, 1939, Serial No. 273,155
8 Claims. (Cl. 207—4)



1. The method of applying lead-base metallic sheaths to electric cables, comprising: centrifugally removing impurities from lead-base sheath metal while in a molten condition and forming said centrifugally purified lead-base sheath metal into a sheath on an electric cable.

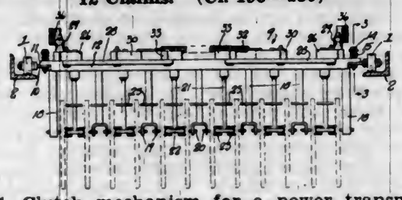
6. Apparatus for applying metallic sheaths to cables, including: a melting chamber for sheath metal; a sheathing press for forming sheath metal into a sheath on a cable; and a centrifugal separator for centrifugally removing impurities from sheath metal while in a molten condition having an inlet end communicating with said melting chamber for receiving molten sheath metal therefrom and an outlet end communicating with said sheathing press for conveying said centrifugally purified sheath metal into said sheathing press.

2,243,032

PANEL CARRIER

Ralph N. Geffroy, South Bend, Ind., assignor to Mastic Asphalt Corporation, South Bend, Ind., a corporation of Indiana

Application March 8, 1939, Serial No. 260,556
12 Claims. (Cl. 198—180)



1. Clutch mechanism for a power transmission on said conveyor extending transversely thereof comprising a head, a fixed member depending from said head and normally substantially perpendicular to said conveyor and to said head, a depending member juxtaposed to and spaced from said fixed member and journaled in said head about an axis substantially parallel to said fixed member, a laterally projecting gripping element at the lower end of said journaled member, and a spring normally positioning said journaled member with said gripping element extending therefrom in the direction of said fixed member in article-clamping relation to said fixed member.

2,243,033

COLORED PIGMENT

Carl J. Harbert, Shaker Heights, Ohio, assignor to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio

No Drawing. Application January 12, 1939, Serial No. 250,526
11 Claims. (Cl. 106—36.2)

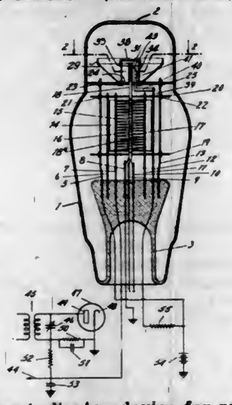
9. A pigment material, being a calcination product of a manganese oxide yielding material other than a manganese salt of a strong mineral acid, aluminum hydrate and a minor quantity of calcium fluoride, manganese oxide being present to the extent of from 5% to 20% of the aluminum oxide.

2,243,034

FLUORESCENT INDICATING DEVICE

Harold Heins, Dorchester, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Application June 3, 1937, Serial No. 146,137
5 Claims. (Cl. 250—27.5)



1. A tuning indicator device for radio sets and the like comprising an electron emitter, a fluorescent target for said emitter, and a unipotential grid surrounding said emitter, said grid consisting of a coiled wire supported on and connected to said cathode and being free from supports extending longitudinally of the emitter whereby the fluorescence of the target is rendered uniform.

2,243,035

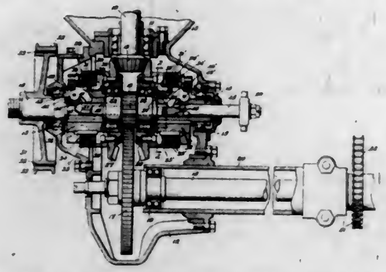
REVERSIBLE POWER TRANSMISSION

Louis G. Hilkemeier, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Application April 11, 1939, Serial No. 267,284
2 Claims. (Cl. 192—69)

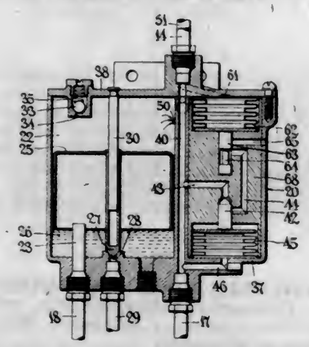
1. Clutch mechanism for a power transmis-

sion having a closed housing, said mechanism comprising a tubular shaft journaled in said housing and terminating at one end within the latter, said shaft having longitudinally spaced apertures in its side wall; a pair of driving elements for said shaft, one element arranged to drive it in one direction and the other element in the opposite direction; a clutch element carried by each of said driving elements; a complementary driven clutch element carried by the shaft in co-operative relation to each of said driving clutch elements, said driven clutch elements including hubs fixedly secured to said shaft against both circumferential and longitudinal movements relative thereto; actuating fingers for



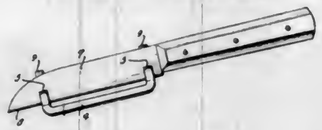
controlling the power-transmitting engagement of each pair of complementary clutch elements, said fingers being pivotally mounted in said hubs adjacent the apertures in said shaft wall and extending therethrough into the shaft bore; an axial rod longitudinally slidably mounted in said shaft bore and extending from the end of the shaft within the housing through an end wall of the latter, said rod having cam surfaces thereon coacting with the inner ends of said fingers to cause engagement of either pair of complementary clutch elements and concurrent disengagement of the other pair; and means connected to the projecting end of said rod exterior of the housing for reciprocating it within the shaft bore.

2,243,036
ACCESSORY SYSTEM FOR MOTOR VEHICLES
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application August 19, 1939, Serial No. 291,054
8 Claims. (Cl. 60—57)



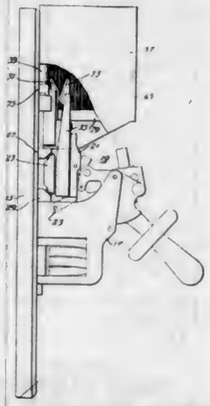
1. In a motor vehicle accessory system, a suction operated accessory, a fluid pressure operated accessory, and a pump therebetween for transmitting fluid from the former to the latter, an atmospheric vent interposed between said suction operated accessory and said pump, valve means for normally preventing communication of said vent with the atmosphere, and pressure responsive means adapted to open said valve means when the pressure being delivered by said pump to said pressure operated accessory falls below a predetermined point.

2,243,037
KNIFE GUARD
Charles Kuhn, Oakland, Calif.
Application January 4, 1940, Serial No. 312,404
1 Claim. (Cl. 30—284)



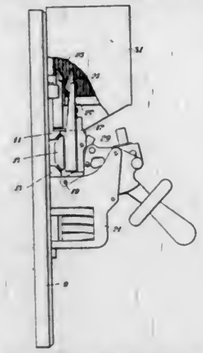
A flat metal guard with the novel construction of having the clips or clamps arranged in the form of rising-like steps, to facilitate the entrance of the cutting edge between the space of the clips of the knife to be used.

2,243,038
CIRCUIT INTERRUPTER
Leon R. Ludwig, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 1, 1938, Serial No. 216,884
19 Claims. (Cl. 200—147)



1. In a circuit interrupter, means for establishing an arc, an arc-extinguishing structure for extinguishing said arc comprising means of insulating material having a V-shaped slot therein in which said arc is adapted to play, said slot decreasing progressively in width from one side thereof to the other and terminating in a constricted closed end tip, said constricted tip decreasing in width from no greater than one-eighth inch at a point at least two inches from its apex to no greater than one-sixteenth inch at its apex, said means of insulating material having venting passages therethrough communicating at spaced intervals with at least the constricted tip of said slot, means for moving said arc into said constricted tip where it is adapted to play until extinguished, and means for subjecting said arc to a blast of un-ionized gas while playing in said constricted tip.

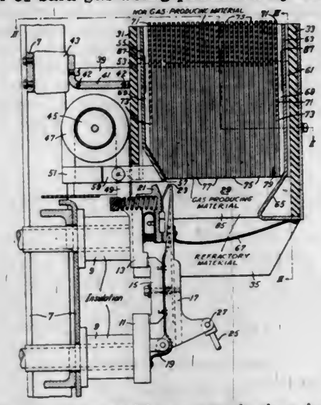
2,243,039
CIRCUIT INTERRUPTER
Leon R. Ludwig, Wilkinsburg, and Merl E. Horn, Edgewood, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 4, 1939, Serial No. 249,210
13 Claims. (Cl. 200—147)



1. In a circuit interrupter, an arc extinguishing device comprising a plurality of plates of insulating material, means spacing said plates from each other, each of said plates having a tapered notch extending inwardly from one end thereof, said notches forming a groove in which an arc is adapted to play, means for establishing an arc along said groove, and a plate of magnetic material for each of a plurality of said plates of insulating material disposed in abutting relation edgewise across the end thereof adjacent the closed end of said notch, said plates of magnetic material setting up a magnetic reaction for moving the arc towards the closed end of said notches and causing a blast of gas to pass laterally through the arc, said plates of magnetic material extending only across the ends of said plates of insulating material at the closed ends of said notches so that said magnetic reaction set up by said magnetic plates increased in intensity with movement of the arc towards the closed ends of said notches.

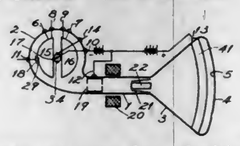
2,243,040
CIRCUIT INTERRUPTER
Leon R. Ludwig, Herbert L. Rawlins, and Robert H. Nau, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 22, 1939, Serial No. 263,440
18 Claims. (Cl. 200—149)

1. In a circuit interrupter, means defining an arc passage which progressively decreases in width from one side thereof to the other, said arc passage defining means including both refractory and gas producing insulating material, means for venting said arc passage, means for establishing an arc in said passage, means for moving the arc laterally toward the constricted side of said arc passage, means for producing a blast of deionizing gas from a plurality of independent sources and means for subjecting said arc to said blast of deionizing gas derived from said plurality of independent sources, at least a portion of said gas being produced by the action



of said arc upon said gas producing insulating material.

2,243,041
TELEVISION TUBE
Raymond K. McClintock, Emporium, Pa., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application May 7, 1938, Serial No. 206,521
3 Claims. (Cl. 250—155)

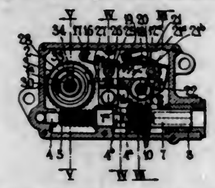


1. A cathode-ray tube for television and the like which employs a high speed electron beam and with relatively low accelerating voltages, said tube comprising an evacuated envelope enclosing a pair of hollow curved trough-like electrodes with their open ends facing each other but in spaced relation to define a gap, a thermionic emitting cathode mounted centrally of and symmetrically with respect to both said electrodes, a pair of insulator spacer members between which said cathode and said pair of electrodes are mounted, means to fasten said pair of electrodes to said spacers whereby the cathode and said electrodes are maintained in fixed relation thereto, a foraminous control grid surrounding said cathode for controlling the intensity of the electron stream in accordance with signals, an electrostatic focussing electrode for focussing said stream, and a fluorescent screen upon which the focussed stream is projected.

2,243,042
WINDSHIELD CLEANER CONTROL MECHANISM
Eugen Stahl, Russelsheim-on-the-Main, Germany, assignor, by mesne assignments, to Trico Products Corporation, Buffalo, N. Y., a corporation of New York
Application September 30, 1937, Serial No. 166,573
In Germany November 14, 1936
3 Claims. (Cl. 192—33)

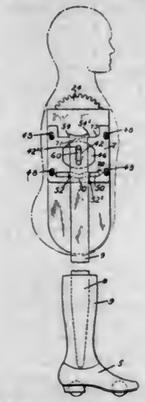
1. In mechanism for cleaning the windshields of vehicles, a driving part, an element adapted to be driven thereby, transmission means from said driving part to said driven element, disengage-

able clutch means between said driving part and said transmission means, means pivotally mounted adjacent said clutch means for effecting engagement and disengagement thereof, yieldable means acting on said pivotal means to urge it to



clutch disengaging position, latch means for normally holding said pivotal means in clutch engaging position, and manual means mounted concentrically with said pivotal means for effecting release of said latch means.

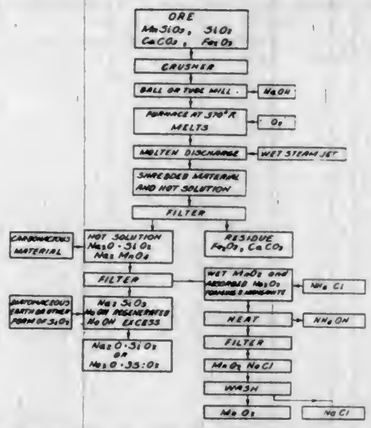
2,243,043
WALKING DOLL
Harry W. Walter, Baltimore, Md.
Application December 20, 1938, Serial No. 246,878
3 Claims. (Cl. 46—105)



1. In a walking bipedal figure having a frame adapted to be embodied in said figure, a motor, a pair of oppositely disposed cranks driven concurrently by the said motor, a pair of elongated leg plate members disposed at each side of the said frame and adapted to be moved horizontally by the said cranks, a vertical slot located within each leg plate member for receiving the said cranks, the said slots being slightly shorter than the crank displacement whereby the leg plate members are moved vertically at a point substantially central of their horizontal travel, means associated with said leg plate members for maintaining the members in a vertical position through a substantial portion of their horizontal movement and a balance wheel operated by said motor for maintaining the said figure in an upright position.

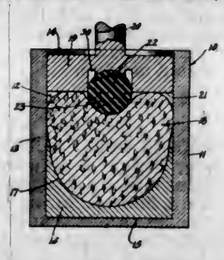
2,243,044
TREATMENT OF SILICA ORES
George C. Westby, Seattle, Wash., assignor to Soluble Silicates Process Company, Inc., a corporation of Washington
Application April 17, 1937, Serial No. 137,594
4 Claims. (Cl. 23—110)

3. The process of treating manganiferous silicate ores to obtain the manganese in concentrated form, comprising: sufficiently heating such an ore in a pulverulent state with an excess of caustic soda, while maintaining said ore in an oxidizing atmosphere, to produce a fused mass of sodium hydrate, sodium manganate, sodium permanganate, sodium silicate, sodium ferrate, and a suspended unacted-on residue, forming and discharging a molten stream from said fused



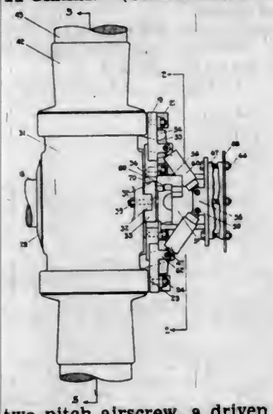
mass, shredding in the presence of water said stream to disintegrate the stream and leave the undissolved residue while taking the soluble components of the stream into solution, and treating the resulting hot alkaline solution of sodium manganate, sodium permanganate, sodium silicate, and sodium hydrate with a carbonaceous substance to precipitate hydrated manganese dioxide.

2,243,045
METHOD AND APPARATUS FOR MAKING BALLS
David W. Whyte, Brantford, Ontario, Canada, assignor to A. G. Spalding & Bros. Inc., New York, N. Y., a corporation of Delaware
Application September 2, 1939, Serial No. 293,213
20 Claims. (Cl. 154—16)



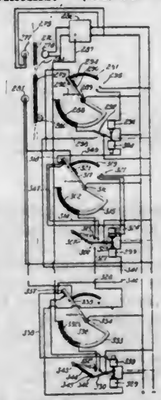
1. A method of making a ball including the steps of, placing a first mass of fibrous material in a first cup-shaped die; positively guiding and pressing a core into said mass to simultaneously form a core-receiving recess in a predetermined position in the same and locate the core therein, and simultaneously with the guiding and pressing of the core, compressing said first mass; and then pressing a second mass of fibrous material against said first mass and around said core with a second cup-shaped die to form a ball body with a core therein.

2,243,046
SELECTIVE TWO PITCH AIRSCREW
Grettir Algarsson, Montreal, Quebec, Canada
Application January 16, 1939, Serial No. 251,109
11 Claims. (Cl. 170—162)



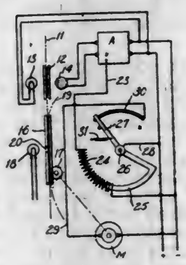
1. In a two pitch airscrew, a driven mounting sleeve, a hub casing so mounted on said sleeve as to permit rotation thereon and provide one limiting position when the driven sleeve is imparting torque to the airscrew and another limiting position when the airscrew overruns the driven sleeve, blades rotatably mounted in the hub casing, means causing the blades to rotate in the hub casing as the casing rotates on the sleeve, spacers insertable when the airscrew overruns the driven sleeve, changing the limit of rotation and pitch setting of the airscrew when the driven sleeve is again imparting torque to the airscrew, and means actuated by aerodynamic pressure controlling the insertion or extraction of the spacers and the pitch setting of the airscrew.

2,243,047
CONTROL METHOD AND MECHANISM FOR PHOTOGRAPHIC PRINTERS
Warren Dunham Foster, Washington Township, Bergen County, N. J., and Earle L. Parmelee, deceased, late of Pittsburgh, Pa., by Peoples-Pittsburgh Trust Company, executor, Pittsburgh, Pa., assignors, by direct and mesne assignments, to Kinatome Patents Corporation, Ridgewood, N. J., a corporation of New York
Application September 24, 1934, Serial No. 745,320
28 Claims. (Cl. 95—75)



1. In a single substantially continuous motion picture printing operation, the method of changing the effectiveness of a printing light which comprises both modifying the light which is emitted by the source and changing the capacity of the source to emit light, one of such modifications being employed to secure the minor variations while the other of such changes is being employed to secure the major variations during such printing operation.

2,243,048
CONTROL METHOD AND MECHANISM FOR PHOTOGRAPHIC PRINTERS
Warren Dunham Foster, Washington Township, Bergen County, N. J., and Earle L. Parmelee, deceased, late of Pittsburgh, Pa., by Peoples-Pittsburgh Trust Company, executor, Pittsburgh, Pa., assignors, by direct and mesne assignments, to Kinatome Patents Corporation, Ridgewood, N. J., a corporation of New York
Original application September 24, 1934, Serial No. 745,320. Divided and this application September 24, 1934, Serial No. 745,321
19 Claims. (Cl. 95—75)



1. The method of producing a motion picture film bearing successive positive images of uniform density from successive negative images of non-uniform density which comprises moving a film bearing negative images past a light source, materially changing the amount of light from said source which reaches the film thereby securing the desired major gradations in the photographic effectiveness of such printing light, and simultaneously slightly varying the speed of film movement thereby securing the desired minor gradations in such photographic effectiveness.

2,243,049
GRINDING WHEEL
Samuel S. Kistler, West Boylston, and Carl E. Barnes, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application August 19, 1939, Serial No. 291,008
6 Claims. (Cl. 51—295)

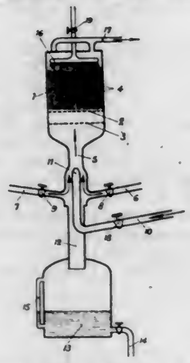
1. As a new article of manufacture, an abrasive body comprising abrasive grains, bond holding the abrasive grains together, there being pore spaces in the wheel, and a finely divided solid compound which is strongly acid in reaction at grinding temperatures above 500° C. uncombined with the abrasive or bond and available for reaction with a metal work piece during grinding when the grinding line gives off sparks, viz. sparks above 500° C. in temperature, and selected from the group consisting of the anhydrides and acid salts of sulphuric and phosphoric acids.

2,243,050

PROCESS OF PRODUCING SPINNABLE FIBERS AND CELLULOSE FROM PLANTS

Hendricus Plant, Wassenaar, Netherlands, assignor to N. V. Exploitatie Maatschappij voor Chemische Uitvindingen (E. C. U.), Wassenaar, Netherlands

Application June 27, 1938, Serial No. 216,160
In the Netherlands August 3, 1937
8 Claims. (Cl. 92—13)



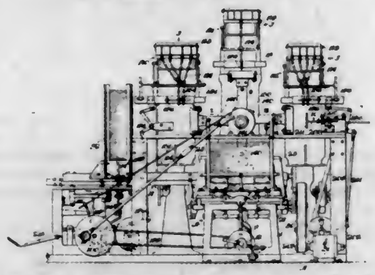
1. The process of producing spinnable fibers and cellulose from plants or parts of plants comprising subjecting the material to the simultaneous action at atmospheric pressure of aqueous alkali metal lye and a mixture of air and steam, the mixture of air and steam being such that by its contact with the material being treated, a sufficient amount of water of condensation is formed to remove the alkali metal lye and the encrustations from the treated parts of the material, and directly discharging said water of condensation and simultaneously removing lye and encrustations by entrainment in said water.

2,243,051

BOX MAKING MACHINE

Frank Rodgers Neely, Allentown, Pa., assignor to A. H. Balliet Corporation, Allentown, Pa.

Application May 20, 1938, Serial No. 209,114
42 Claims. (Cl. 93—42)



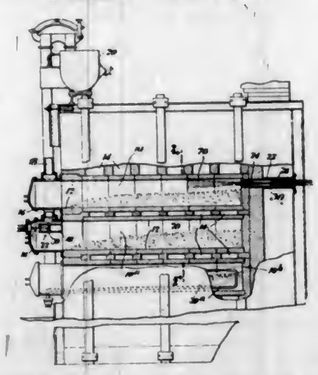
1. In a box-forming machine, means for forming a blank including the bottom and end wall forming members of a box, means for delivering said blanks to an assembly point, means for delivering side wall forming members to said assembly point, means for temporarily assembling said blank and side wall forming members into box-like form at said assembly point, and means operable to move said assembled members to a plurality of successive positions wherein different combinations of said box-forming members are connected together.

2,243,052

MANUFACTURE OF GAS AND COKE

Glenn H. Niles, Ridgewood, and Alfred Johnson, Summit, N. J., assignors to Combustion Utilities Corporation, New York, N. Y., a corporation of Maine

Original application December 14, 1936, Serial No. 115,668. Divided and this application March 16, 1938, Serial No. 196,110
5 Claims. (Cl. 202—15)



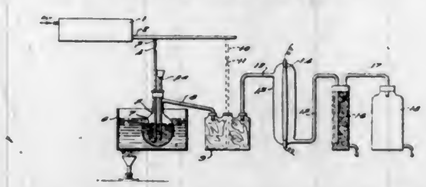
1. Apparatus for producing coke and gas comprising a coal carbonizing retort having heat conductant walls suitable for transfer of heat from outside the retort to a stationary charge of coal therein, a mixer and atomizer ported out horizontally in the top adjacent one end of the retort and having valved supply pipe attachments whereby as many as three different gas generating fluids may be introduced simultaneously into the retort in intimate mixture above the normal top level of a charge of coal therein, a gas offtake ported out in the retort above the charge, and means permitting introduction of coal into the retort and discharge of coke therefrom.

2,243,053

PROCESS FOR MANUFACTURING OXYGEN COMPOUNDS OF TERPENE HYDROCARBONS

Alexander S. Ramage, Detroit, Mich.

Application October 10, 1939, Serial No. 298,861
In Great Britain August 30, 1931
7 Claims. (Cl. 260—339)



1. The herein-disclosed process of making an oxygen-terpene compound having the empirical formula $C_{10}H_{18}O_x$, where "x" designates oxygen in excess of four atoms, comprising the novel step of ozonizing said vapors by irradiating unstable oxygen-terpene compounds in the vapor phase with energy rays chiefly within the ultra violet spectrum, and thereafter condensing the irradiated vapors to form a liquid product which is capable of liberating nascent oxygen upon partial decomposition thereof in the presence of moisture.

2,243,054

DETERGENT COMPOSITION AND MANUFACTURE THEREOF

James G. Vail, Media, Pa., assignor to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application November 27, 1937, Serial No. 176,931
7 Claims. (Cl. 252—109)

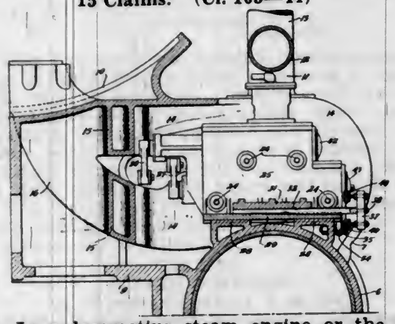
1. As a new detergent, particles of an expanded alkali metal silicate substantially uniformly combined with at least about 5 per cent of an alkali metal soap formed in situ by reaction of said particles of alkali metal silicate with a high molecular fatty acid, said particles containing slightly larger proportions of soap on their surfaces than in their interiors, said detergent having an apparent specific gravity between about 0.1 and 0.9.

2,243,055

LOCOMOTIVE VALVE ACTUATING MECHANISM

Julius Kirchhof, Baltimore, Md., assignor to Societe d'Exploitation des Procedes Dabeg, Paris, France

Application July 7, 1938, Serial No. 217,890
15 Claims. (Cl. 105—44)



1. In a locomotive steam engine or the like having a cylinder provided with a pair of steam chests with intermediate spacing accessible from the side of the locomotive, a cam box located in the space between the chests, cooperating elements for positioning the cam box, one such element being rigid with the steam chests and the other with the cam box, and fastening means for rigidly positioning the cam box in relation to the steam chests, the fastening means including a fastening member movable into and out of a fastening position in which it maintains rigid interengagement of said cooperating elements at a zone remote from the outer side of said space, the said fastening member being extended from said zone to a zone adjacent the outer side of said space and being manipulable at the latter zone into and out of its fastening position.

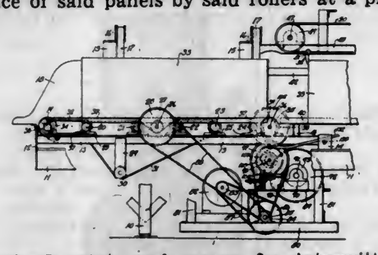
2,243,056

PANEL FEED MECHANISM

Gilbert J. Snyder and Ralph N. Geffroy, South Bend, Ind., assignors to Mastic Asphalt Corporation, South Bend, Ind., a corporation of Indiana

Application March 8, 1939, Serial No. 260,555
23 Claims. (Cl. 198—105)

1. Panel feed mechanism comprising a frame, a plurality of transverse rollers journaled in said frame, means for continuously rotating said rollers, a plurality of guides for positioning panels vertically on said rollers, a normally inoperative propeller juxtaposed to said rollers and having striker means carried thereby for stopping advance of said panels by said rollers at a predetermined point, and means for intermittently operating said propeller a predetermined extent to discharge said panels from said rollers.

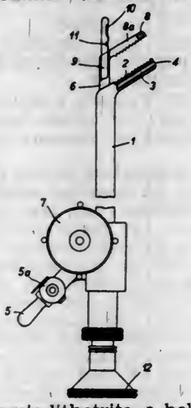


2,243,057

CYSTOSCOPIC LITHOTRITE

Richard Wolf, Berlin, Germany, assignor to the firm Georg Wolf G. m. b. H., Berlin, Germany

Application March 6, 1940, Serial No. 322,571
In Germany March 13, 1939
1 Claim. (Cl. 128—328)



In a cystoscopic lithotrite, a hollow sheath capable of taking an optical tube, two jaws, that one of these jaws lying nearest to the ocular end of the lithotrite being fixedly connected with the sheath and the other being displaceably disposed in the longitudinal direction of the sheath, an aspiration stud on the said sheath, an aspiration canal leading from the said aspiration stud to and along the jaw fixedly connected with the sheath and ending at the free end of the said jaw.

2,243,058

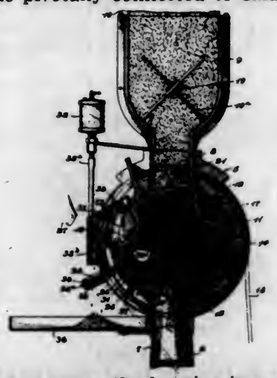
TOBACCO MEASURING AND FEEDING MACHINE

James R. Wysong, Richmond, Va., assignor to Larus & Brother Co. Inc., Richmond, Va.

Application December 13, 1938, Serial No. 245,529
8 Claims. (Cl. 221—136)

3. In a tobacco measuring and feeding machine, a housing, a rotatable drum in said housing having tobacco-receiving pockets therein, an arcuate member in the form of a door disposed in an opening in said housing, means pivotally connecting said door to said housing permitting a limited amount of radial movement of the door bodily with respect to the drum, a lubricant pad disposed against the inner surface of said door

and adapted to engage the periphery of said drum, means for supplying a lubricant to said pad, a yoke pivotally connected to said housing



and extending across the housing in rear of said door, and a spring interposed between said yoke and said door and arranged to exert a thrust on the latter substantially centrally of the door.

2,243,059

PROCESS FOR THE MANUFACTURE OF WORKING PIECES IMPERMEABLE TO GAS AND VACUUM PROOF

Hans Bernstorff, Frankfort-on-the-Main, Germany, assignor, by mesne assignments, to Chemical Marketing Company Inc., New York, N. Y.

No Drawing. Application March 10, 1939, Serial No. 261,134. In Germany March 21, 1938

3 Claims. (Cl. 148—2)

1. A process for the manufacture of occlusion-free articles of a material selected from the group consisting of beryllium and beryllium alloys having a high content of beryllium, such as sheets, plates and discs, which are impermeable to gas and vacuum-proof, comprising heating a batch of such material under high vacuum to a temperature substantially above the melting point thereof for at least one-half an hour, then allowing the melted batch to cool under high vacuum to form an ingot, dividing this ingot into work pieces of the type of sheets and discs, and then heating such work pieces to temperatures between 50° C. and 100° C. below the melting point thereof under a protecting atmosphere and forming such heated work pieces under pressure.

2,243,060

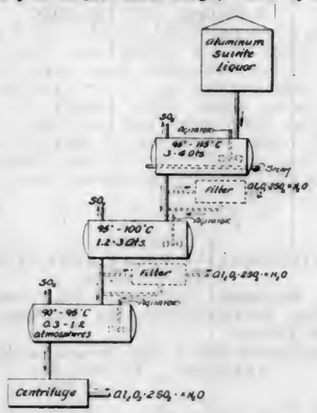
MANUFACTURE OF MONOBASIC ALUMINUM SULPHITE

Wilhelm Fulda, Lautawerk, Lausitz, Erich Wiedbrauck, Essen-Bredeney, and Karl Büche, Essen-Rellinghausen, Germany, assignors, by mesne assignments, to Th. Goldschmidt Corporation, New York, N. Y., a corporation of Delaware

Application October 31, 1938, Serial No. 238,102 In Germany November 3, 1937

6 Claims. (Cl. 23—129)

1. In the process of preparing granular, easily-filtered monobasic aluminum sulphite in high yield from aluminum sulphite solutions, the steps which comprise forming and precipitating monobasic aluminum sulphite in a first stage in granular form from a concentrated solution of aluminum sulphite by heating it under elevated temperatures and superatmospheric pressures, then forming and precipitating additional monobasic aluminum sulphite in at least one additional stage from the resulting less concentrated liquor while maintaining said less concentrated liquor at approximately the same temperature but under a pressure substantially lower than that employed in said first stage, whereby monobasic aluminum sulphite is formed and precipitated in granular, easily-filtered form in spite of the lower pressure employed in said additional stage; the pressures of SO_2 employed in said process being within the range of about 5 atmospheres to a pressure slightly below atmospheric pressure and the temperatures employed in the first two stages of the process being approximately 100° C.



2,243,061

CREASING DEVICE

Joseph L. Lamia, Bayside, N. Y.

Application October 28, 1939, Serial No. 301,780

2 Claims. (Cl. 219—21)



1. A creasing device comprising in combination, a pair of similar co-acting housing shells of heat insulating material, each of said shells including a rear portion having a plane peripheral edge which co-acts with the similar edge of the other to form a closed handle portion of the housing, and a forward portion having a peripheral edge merging with but extending angularly outwardly from the plane of said beforementioned edge, and a substantially V shaped heat conducting element arranged to be received between the angularly disposed edges of the forward portion of said housing, the surfaces of said V shaped element defining an included angle greater than the angle between the edges of the forward portions of said housing so that when the beforementioned rear edges of the housing are positioned in abutting relationship, the V shaped heat conducting element will be clamped between the angularly disposed forward edges of the shell, and means to heat both surfaces of said V shaped elements.

DESIGNS

MAY 20, 1941

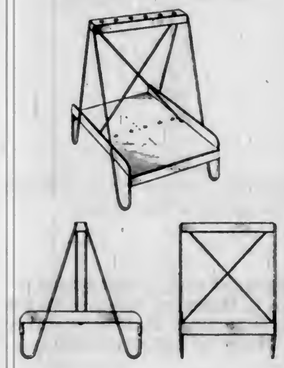
127,266

DESIGN FOR A COMBINED DISPLAY RACK AND HOLDER, FOR BROOMS, MOPS, OR THE LIKE

Clarence S. Anderson, Des Moines, Iowa, assignor to New Monarch Machine & Stamping Co., Des Moines, Iowa

Application July 15, 1940, Serial No. 93,659

Term of patent 3½ years



The ornamental design for a combined display rack and holder, for brooms, mops, or the like, substantially as shown.

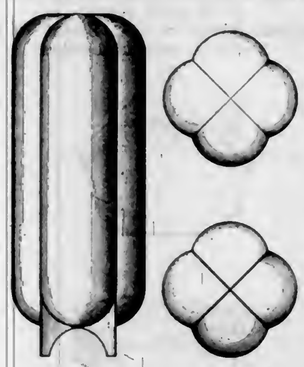
127,267

DESIGN FOR A SHEET METAL PRESSURE CONTAINER FOR GASES, VOLATILE LIQUIDS, AND THE LIKE

Harry C. Boardman, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois

Application March 15, 1941, Serial No. 99,629

Term of patent 14 years



The ornamental design for a sheet metal pressure container for gases, volatile liquids, and the like, as shown.

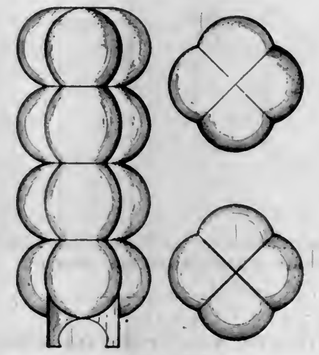
127,268

DESIGN FOR A SHEET METAL PRESSURE CONTAINER FOR GASES, VOLATILE LIQUIDS, AND THE LIKE

Harry C. Boardman, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois

Application March 17, 1941, Serial No. 99,659

Term of patent 14 years



The ornamental design for a sheet metal pressure container for gases, volatile liquids, and the like, as shown.

127,269

DESIGN FOR A BADGE OR SIMILAR ARTICLE

Joe Chan, New York, N. Y.

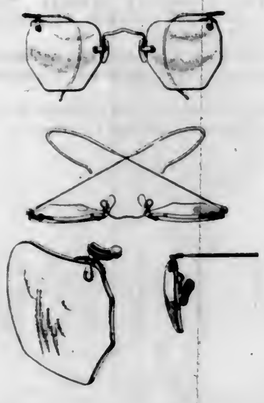
Application March 18, 1941, Serial No. 99,677

Term of patent 7 years



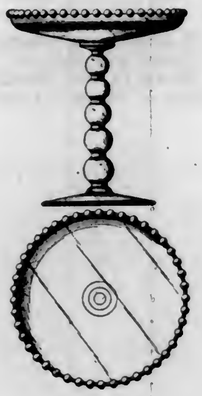
The ornamental design for a badge or similar article, as shown.

127,270
DESIGN FOR A PAIR OF SPECTACLES
James W. Engler, Atlanta, Ga.
Application December 26, 1940, Serial No. 97,613
Term of patent 14 years



The ornamental design for a pair of spectacles, substantially as shown and described.

127,271
DESIGN FOR A COMPORT OR SIMILAR ARTICLE
Carl W. Gustkey, Wheeling, W. Va., assignor to Imperial Glass Corporation, Bellaire, Ohio, a corporation of Ohio
Application March 25, 1941, Serial No. 99,872
Term of patent 14 years



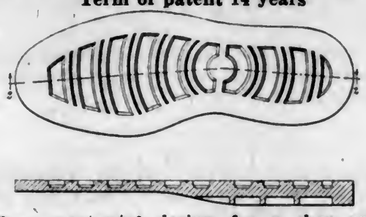
The ornamental design for a comport or similar article, substantially as shown.

127,272
DESIGN FOR A STATUETTE OR SIMILAR ARTICLE
Nicholas W. Hirsch, Philadelphia, Pa., assignor to Beverage Products Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application November 22, 1940, Serial No. 96,727
Term of patent 14 years



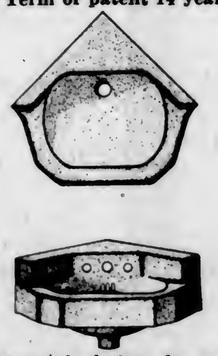
The ornamental design for a statuette or similar article, substantially as shown.

127,273
DESIGN FOR A SHOE SOLE
Don C. Hubbard, Auburn, Maine
Application September 20, 1940, Serial No. 95,242
Term of patent 14 years



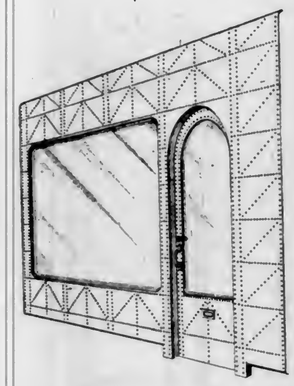
The ornamental design for a shoe sole, as shown.

127,274
DESIGN FOR A LAVATORY
Herbert V. Kohler and Carl W. Zillier, Kohler, Wis.
Application March 24, 1941, Serial No. 99,811
Term of patent 14 years



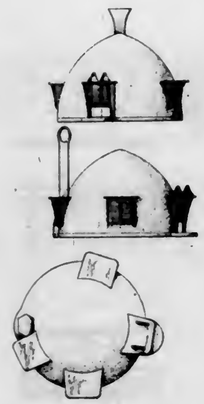
The ornamental design for a lavatory, as shown.

127,275
DESIGN FOR A STORE FRONT
Lester H. Laraway, Phoenix, Ariz., assignor to American Airlines, Inc., New York, N. Y., a corporation of Delaware
Application March 14, 1941, Serial No. 99,592
Term of patent 14 years



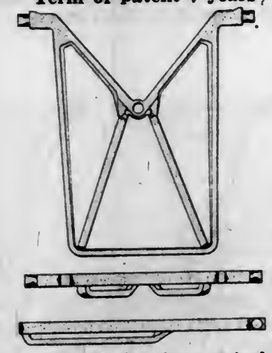
The ornnamental design for a store front, substantially as shown.

127,276
DESIGN FOR A DWELLING
Wallace Neff, Hollywood, Calif.
Application February 21, 1941, Serial No. 99,166
Term of patent 3½ years



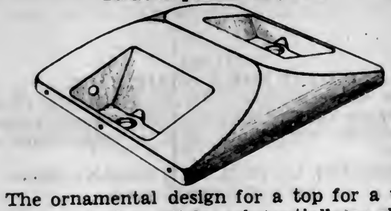
The ornamental design for a dwelling, substantially as shown.

127,277
DESIGN FOR A SWIVEL SUPPORT FOR IRONING BOARDS
William A. Noack, Los Angeles, Calif.
Application December 24, 1940, Serial No. 97,606
Term of patent 7 years



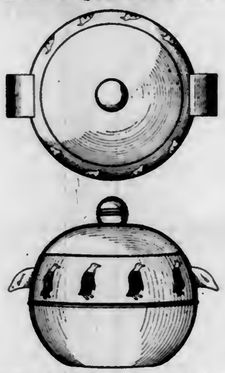
The ornamental design for a swivel support for ironing boards, as shown.

127,278
DESIGN FOR A TOP FOR A WATER COOLER OR SIMILAR ARTICLE
Albert A. Ralston and Dean C. Rinehart, Fort Wayne, Ind., assignors to General Electric Company, a corporation of New York
Application February 8, 1941, Serial No. 98,856
Term of patent 14 years



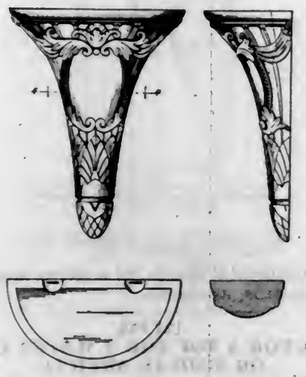
The ornamental design for a top for a water cooler or similar article, substantially as shown.

127,279
DESIGN FOR A SERVING BOWL
Alfred F. Ramsthal, West Bend, Wis., assignor to West Bend Aluminum Company, West Bend, Wis., a corporation of Wisconsin
Application March 13, 1941, Serial No. 99,557
Term of patent 7 years



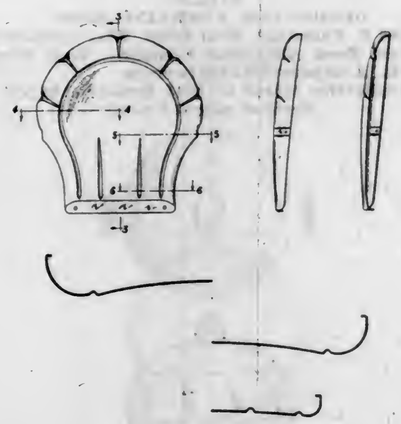
The ornamental design for a serving bowl, as shown.

127,280
DESIGN FOR A WALL BRACKET
Guido Rebechini, Chicago, Ill., assignor to Hindu Incense Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application March 24, 1941, Serial No. 99,797
Term of patent 7 years



The ornamental design for a wall bracket, as shown.

127,281
DESIGN FOR A CHAIR BACK
Viktor Schreckengost, Cleveland Heights, Ohio, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 18, 1941, Serial No. 99,669
Term of patent 7 years



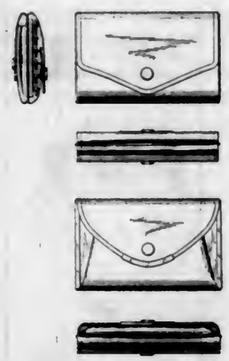
The ornamental design for a chair back, substantially as shown.

127,282
DESIGN FOR A COMBINED CONTAINER AND DISPENSING UNIT FOR FLINTS OR THE LIKE
Jacques Schwalbe, New York, N. Y.
Application March 28, 1940, Serial No. 91,299
Term of patent 7 years



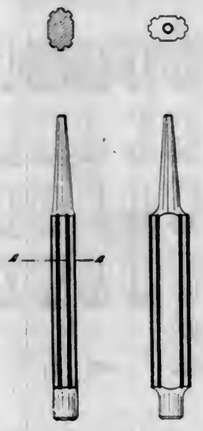
The ornamental design for a combined container and dispensing unit for flints or the like, substantially as shown and described.

127,283
DESIGN FOR A COMBINED KEY CONTAINER AND COIN PURSE
Jacques Schwalbe, New York, N. Y.
Application August 14, 1940, Serial No. 94,417
Term of patent 7 years



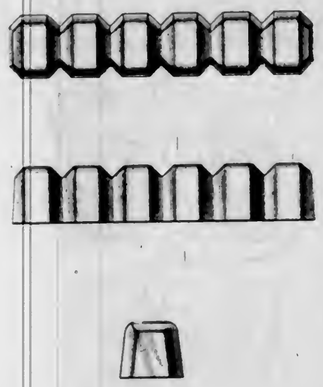
The ornamental design for a combined key container and coin purse, as shown.

127,284
DESIGN FOR A NAIL SET OR SIMILAR ARTICLE
William H. Shortell, Greenfield, Mass., assignor to Millers Falls Company, Greenfield, Mass., a corporation of Massachusetts
Application February 17, 1940, Serial No. 90,333
Term of patent 14 years



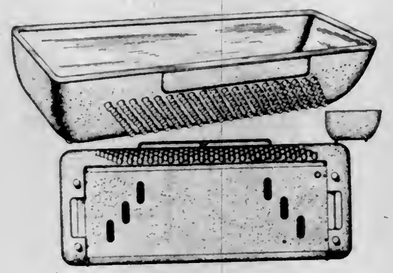
The ornamental design for a nail set or similar article, as shown and described.

127,285
DESIGN FOR A FROZEN CONFECTION
Herman Siemund, Chicago, Ill., assignor to The Greenview Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 3, 1941, Serial No. 99,337
Term of patent 7 years



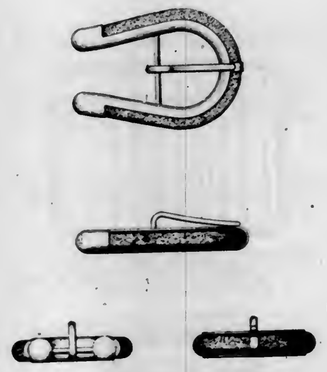
The ornamental design for a frozen confection, substantially as shown.

127,286
DESIGN FOR A BASS SECTION OF AN ACCORDION OR SIMILAR ARTICLE
Mario Soprani, Castelfidardo, Italy, assignor to Continental Music Company, Inc., Chicago, Ill., a corporation of Illinois
Application December 29, 1939, Serial No. 89,207
Term of patent 14 years



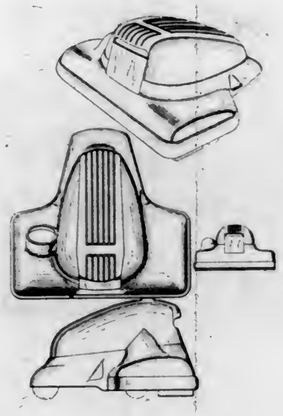
The ornamental design for a bass section of an accordion or similar article, as shown.

127,287
DESIGN FOR A BELT BUCKLE
Harry Stelzer, Forest Hills, N. Y.
Application March 1, 1941, Serial No. 99,287
Term of patent 14 years



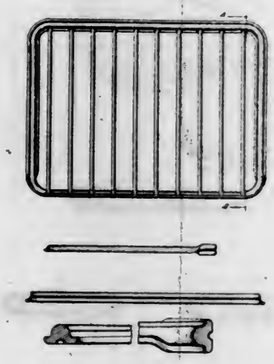
The ornamental design for a belt buckle, as shown.

127,288
DESIGN FOR A VACUUM CLEANER CASING
George W. Walker, Pleasant Ridge, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application January 21, 1941, Serial No. 98,232
Term of patent 14 years



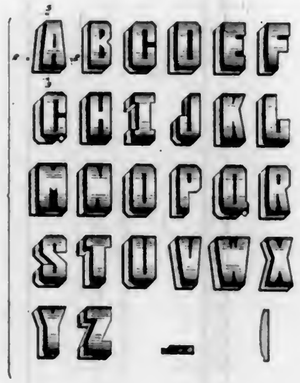
The ornamental design for a vacuum cleaner casing, substantially as shown.

127,289
DESIGN FOR A RACK FOR A REFRIGERATOR, OVEN, OR THE LIKE
Leonard A. Young, Detroit, Mich.
Application September 19, 1940, Serial No. 95,199
Term of patent 14 years



The ornamental design for a rack for a refrigerator, oven, or the like, as shown.

127,290
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR SIMILAR ARTICLE
George A. Armstrong, Edgewood, R. I., assignor to William C. Greene Company, a corporation of Rhode Island
Application March 3, 1941, Serial No. 99,294
Term of patent 7 years



The ornamental design for an alphabet for forming monograms or similar article, substantially as shown and described.

127,291
DESIGN FOR A FLOWER CONTAINER
Richard Gottlieb Block, Los Angeles, Calif.
Application August 13, 1940, Serial No. 94,398
Term of patent 3½ years



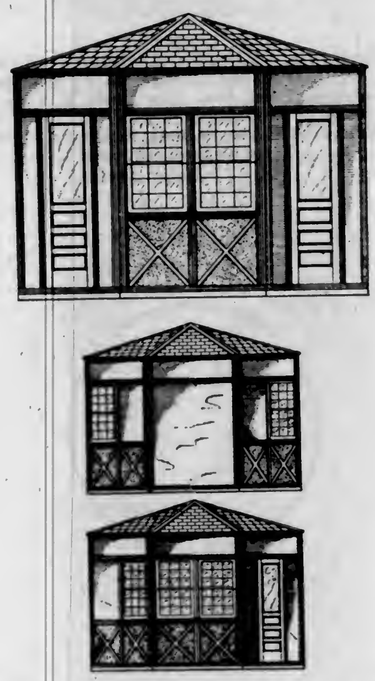
The ornamental design for a flower container, as shown.

127,292
DESIGN FOR A COMBINED CONTAINER AND LOLLIPOP DISPLAY
Charles A. Briggs, Norwood, Mass., assignor to C. A. Briggs Company, Cambridge, Mass., a corporation of Maine
Application May 31, 1939, Serial No. 85,262
Term of patent 7 years



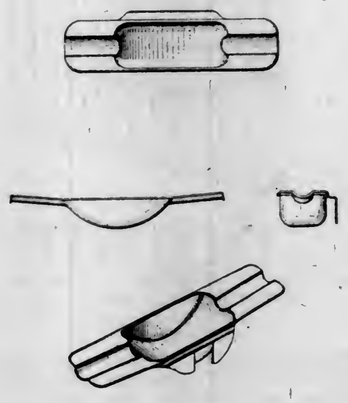
The ornamental design for a combined container and lollipop display, substantially as shown.

127,293
DESIGN FOR A BUILDING
Joseph A. Chambers, Memphis, Tenn.
Application January 4, 1941, Serial No. 97,803
Term of patent 14 years



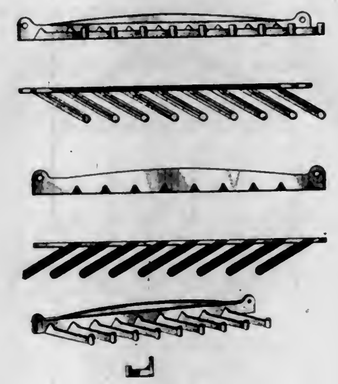
The ornamental design for a building, as shown and described.

127,294
DESIGN FOR AN ASH RECEIVER
Edgar Collat, Shorewood, Wis.
Application September 24, 1940, Serial No. 95,330
Term of patent 3½ years



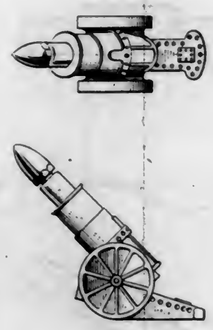
The ornamental design for an ash receiver, as shown.

127,295
DESIGN FOR A TIE RACK
Albert W. Franklin, Bronx, N. Y., assignor to Lapin Products, Inc., a corporation of New York
Application December 20, 1940, Serial No. 97,492
Term of patent 7 years



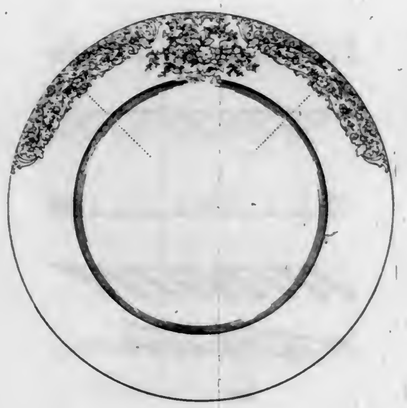
The ornamental design for a tie rack, substantially as shown.

127,296
DESIGN FOR A PERFUME CONTAINER OR SIMILAR ARTICLE
Robert B. Karoff, New York, N. Y.
Application December 30, 1940, Serial No. 97,717
Term of patent 3½ years



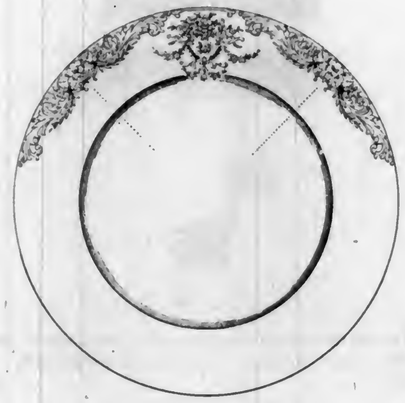
The ornamental design for a perfume container or similar article, substantially as shown.

127,297
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application March 29, 1941, Serial No. 100,001
Term of patent 7 years



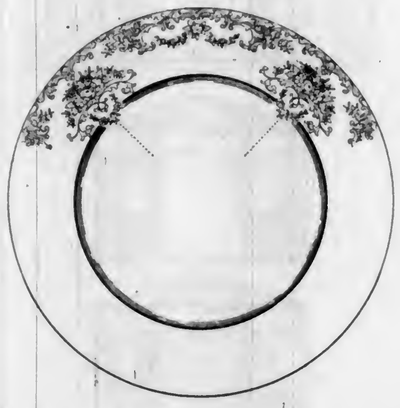
The ornamental design for a plate or similar article, as shown and described.

127,298
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application March 29, 1941, Serial No. 100,002
Term of patent 7 years



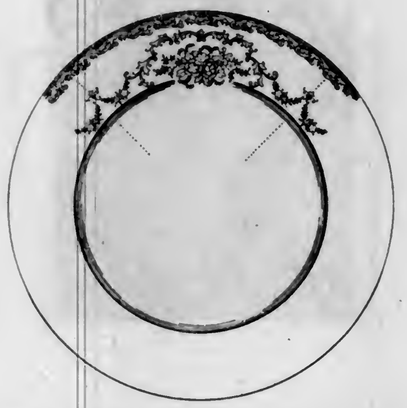
The ornamental design for a plate or similar article, as shown and described.

127,299
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application March 29, 1941, Serial No. 100,003
Term of patent 7 years



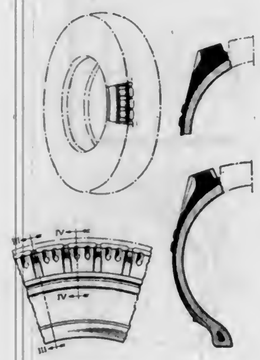
The ornamental design for a plate or similar article, as shown and described.

127,300
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application March 29, 1941, Serial No. 100,004
Term of patent 7 years



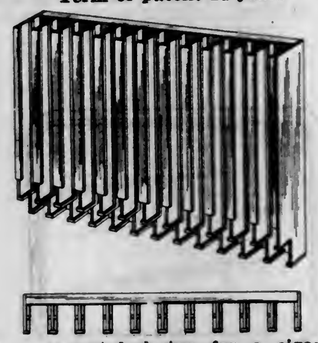
The ornamental design for a plate or similar article, as shown and described.

127,301
DESIGN FOR A PNEUMATIC TIRE
Ralph S. Lombard, Detroit, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application October 29, 1940, Serial No. 96,155
Term of patent 14 years



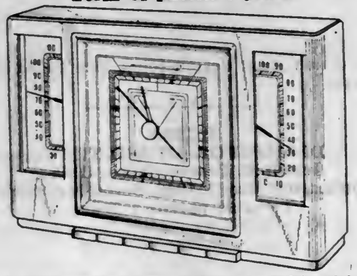
The ornamental design for a pneumatic tire, as shown.

127,302
DESIGN FOR A CIGARETTE DISPENSING AND DISPLAY DEVICE
Carl Love, Portland, Oreg.
Application March 4, 1941, Serial No. 99,351
Term of patent 14 years



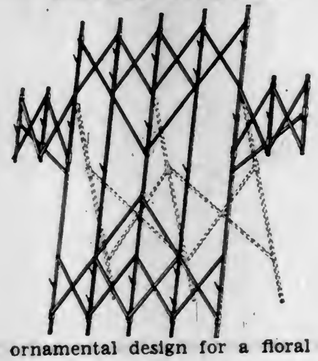
The ornamental design for a cigarette dispensing and display device, as shown.

127,303
DESIGN FOR A COMBINED BAROMETER, THERMOMETER, AND HYGROMETER
Hervey L. MacCowan, Wilmette, Ill., assignor to Fee and Stemwedel, Inc., Chicago, Ill.
Application August 14, 1940, Serial No. 94,409
Term of patent 7 years



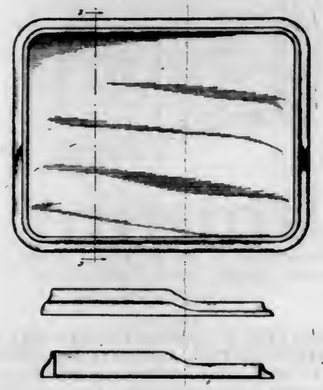
The ornamental design for a combined barometer, thermometer, and hygrometer, as shown.

127,304
DESIGN FOR A FLORAL RACK
Donald E. McGuire, Elwood, Ind.
Application June 7, 1938, Serial No. 77,652
Term of patent 3½ years



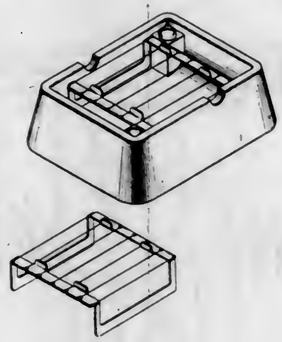
The ornamental design for a floral rack, as shown.

127,305
DESIGN FOR A DICE GAME BOARD
Sydney R. Osterman, Chicago, Ill.
Application January 16, 1941, Serial No. 98,133
Term of patent 7 years



The ornamental design for a dice game board, as shown.

127,306
DESIGN FOR AN ASH TRAY
Jewell M. Pearce, Tulsa, Okla.
Application May 2, 1940, Serial No. 92,095
Term of patent 7 years



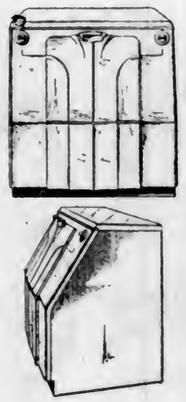
The ornamental design for an ash tray, as shown.

127,307
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Charles Rosenstein, Paterson, N. J.
Application April 4, 1941, Serial No. 100,135
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

127,308
DESIGN FOR A LAUNDRY MACHINE CABINET
William J. Russell, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application October 10, 1940, Serial No. 95,747
Term of patent 14 years



The ornamental design for a laundry machine cabinet, substantially as shown and described.

127,309
DESIGN FOR A VASE OR SIMILAR ARTICLE
Carl Schmitz, New York, N. Y., assignor to Verlys of America, Inc., New York, N. Y., a corporation of New York
Application March 11, 1941, Serial No. 99,495
Term of patent 7 years



The ornamental design for a vase or similar article, as shown and described.

127,310
DESIGN FOR A VASE OR SIMILAR ARTICLE
Carl Schmitz, New York, N. Y., assignor to Verlys of America, Inc., New York, N. Y., a corporation of New York
Application March 11, 1941, Serial No. 99,496
Term of patent 7 years



The ornamental design for a vase or similar article, as shown and described.

127,311
DESIGN FOR A BOOK END OR SIMILAR ARTICLE
Carl Schmitz, New York, N. Y., assignor to Verlys of America, Inc., New York, N. Y., a corporation of New York
Application March 11, 1941, Serial No. 99,497
Term of patent 7 years



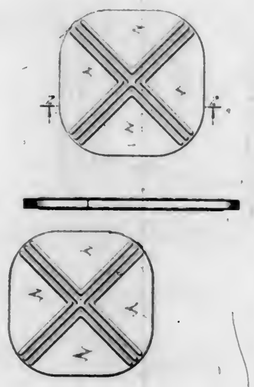
The ornamental design for a book end or similar article, as shown and described.

127,312
DESIGN FOR A BOWL OR SIMILAR ARTICLE
Carl Schmitz, New York, N. Y., assignor to Verlys of America, Inc., New York, N. Y., a corporation of New York
Application March 11, 1941, Serial No. 99,498
Term of patent 7 years



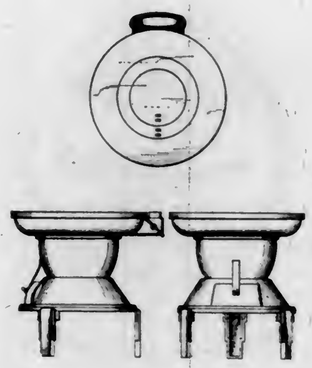
The ornamental design for a bowl or similar article, as shown.

127,313
DESIGN FOR A DISPENSING CONTAINER
Robert J. Wilkie, Minneapolis, Minn., assignor to Continental Machines, Incorporated, Minneapolis, Minn., a corporation of Minnesota
Application March 5, 1941, Serial No. 99,363
Term of patent 7 years



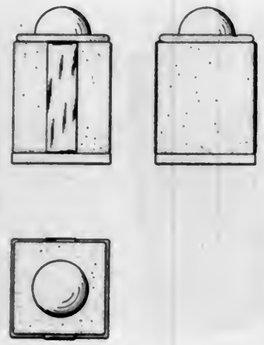
The ornamental design for a dispensing container, as shown and described.

127,314
DESIGN FOR A LAUNDRY HEATER
Julius C. Barnes, Columbus, Ga., assignor to Columbus Iron Works Co., Columbus, Ga., a corporation of Georgia
Application March 6, 1941, Serial No. 99,387
Term of patent 14 years



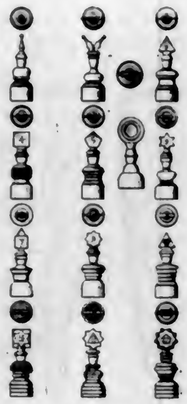
The ornamental design for a laundry heater, as shown.

127,315
DESIGN FOR A PERFUME BOX
Kathryn Black, Seattle, Wash.
Application February 19, 1941, Serial No. 99,101
Term of patent 7 years



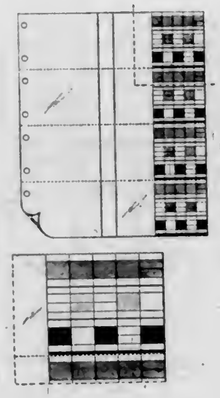
The ornamental design for a perfume box, as shown and described.

127,316
DESIGN FOR A SET OF GAME PIECES
Bert J. Bratt, Chicago, Ill.
Application December 29, 1938, Serial No. 82,041
Term of patent 3½ years



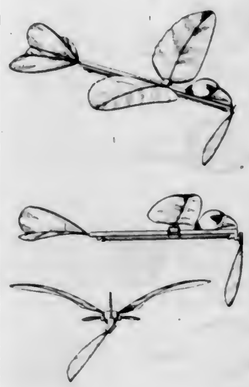
The ornamental design for a set of game pieces, substantially as shown.

127,317
DESIGN FOR A PAGE FOR A LOOSE-LEAF CASH BOOK
Wilmot S. Close, Mountain Lakes, N. J.
Application August 3, 1940, Serial No. 94,177
Term of patent 14 years



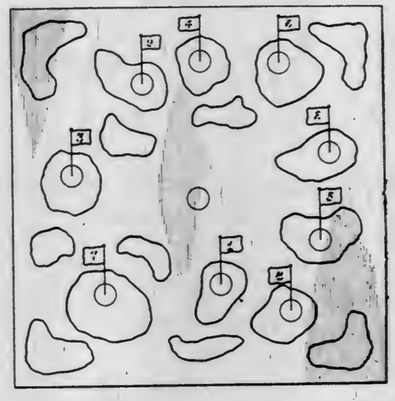
The ornamental design for a page for a loose-leaf cash book, as shown and described.

127,318
DESIGN FOR A TOY AIRPLANE
James Edward Durden, Los Angeles, Calif.
Application February 14, 1941, Serial No. 99,008
Term of patent 3½ years



The ornamental design for a toy airplane, substantially as shown.

127,319
DESIGN FOR A GAME BOARD
Frank Gilbert Farrell, Wayne, Pa.
Application November 6, 1939, Serial No. 88,086
Term of patent 7 years



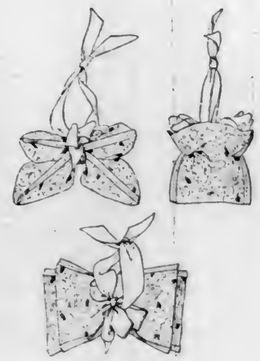
The ornamental design for a game board, substantially as shown and described.

127,320
DESIGN FOR A PRESSING DEVICE
John J. Getgey, Cincinnati, Ohio, assignor to Munny Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
Application January 22, 1941, Serial No. 98,275
Term of patent 3½ years



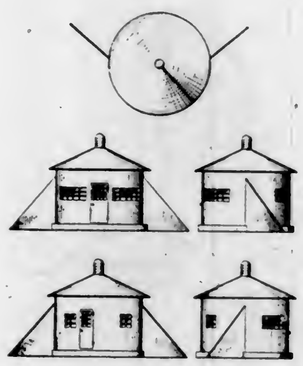
The ornamental design for a pressing device, substantially as shown and described.

127,321
DESIGN FOR A SACHET
Louise M. Hartvig, New York, N. Y., assignor to Mary Douglas, Inc., New York, N. Y., a corporation of New York
Application February 8, 1941, Serial No. 98,840
Term of patent 3½ years



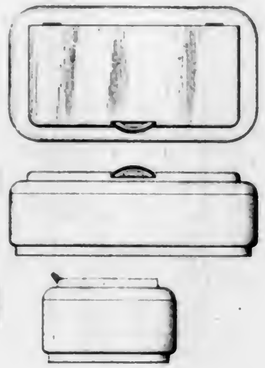
The ornamental design for a sachet, as shown.

127,322
DESIGN FOR A BUILDING
Lloyd H. Hitt, Pocahontas, Ark.
Application March 1, 1941, Serial No. 99,279
Term of patent 14 years



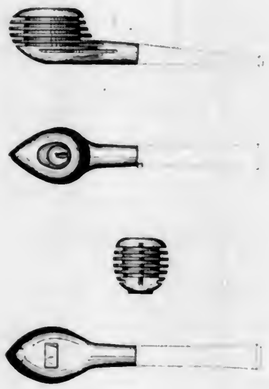
The ornamental design for a building, as shown.

127,323
DESIGN FOR AN ELECTRIC STOVE
Andrew S. Knapp, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application September 18, 1940, Serial No. 95,177
Term of patent 7 years



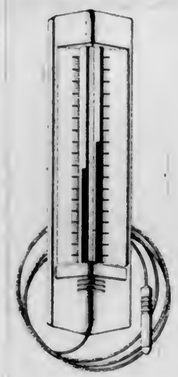
The ornamental design for an electric stove, substantially as shown.

127,324
DESIGN FOR AN AIR FINNED SMOKING PIPE
Wayne Leser, South Ozone Park, N. Y.
Application January 30, 1941, Serial No. 98,528
Term of patent 14 years



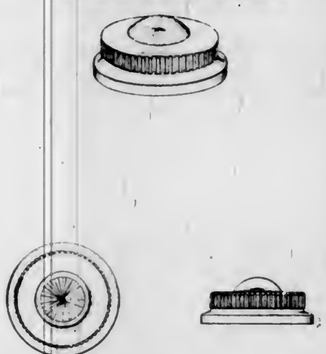
The ornamental design for an air finned smoking pipe, substantially as shown and described.

127,325
DESIGN FOR A THERMOMETER
Hervey L. MacCowan, Wilmette, Ill., assignor to Fee and Stemwedel, Inc., Chicago, Ill.
Application August 14, 1940, Serial No. 94,406
Term of patent 7 years



The ornamental design for a thermometer, as shown.

127,326
DESIGN FOR A ROUGE CONTAINER
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application March 21, 1941, Serial No. 99,759
Term of patent 14 years



The ornamental design for a rouge container as shown.

127,327
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application April 9, 1941, Serial No. 100,278
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

127,328
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application April 9, 1941, Serial No. 100,279
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

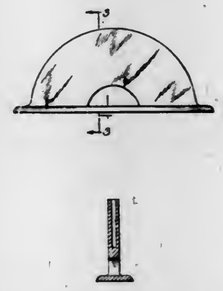
127,329
DESIGN FOR A PIN CLIP
Alfred Philippe, New York, N. Y.
Application April 9, 1941, Serial No. 100,280
Term of patent 3½ years



The ornamental design for a pin clip, as shown.

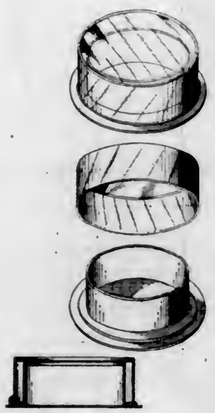
127,330
DESIGN FOR A SHADE GUIDE STAND OR SIMILAR ARTICLE
Joseph M. Purcell, Brookline, Mass., assignor to Ideal Tooth Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application March 13, 1941, Serial No. 99,566
Term of patent 14 years





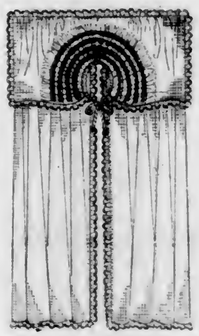
The ornamental design for a shade guide stand or similar article, substantially as shown.

127,331
DESIGN FOR A DISPLAY CONTAINER
George L. Rosenfeld, Cleveland, Ohio
Application August 22, 1940, Serial No. 94,551
Term of patent 3½ years



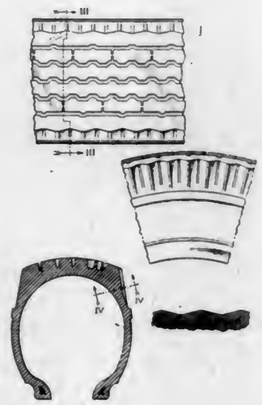
The ornamental design for a display container, substantially as shown.

127,332
DESIGN FOR A CURTAIN
Myer N. Sobiloff, Fall River, Mass.
Application February 5, 1941, Serial No. 98,767
Term of patent 3½ years



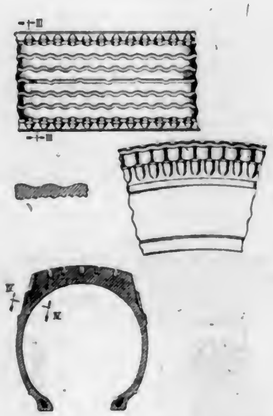
The ornamental design for a curtain, as shown.

127,333
DESIGN FOR A PNEUMATIC TIRE
Sheldon P. Thacher, Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application February 18, 1941, Serial No. 99,069
Term of patent 14 years



The ornamental design for a pneumatic tire, as shown.

127,334
DESIGN FOR A PNEUMATIC TIRE
Sheldon P. Thacher, Grosse Pointe, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application February 18, 1941, Serial No. 99,070
Term of patent 14 years



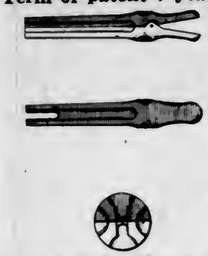
The ornamental design for a pneumatic tire, as shown.

127,335
DESIGN FOR A DOLL
Joseph Weiss, New York, N. Y.
Application March 18, 1941, Serial No. 99,676
Term of patent 7 years



The ornamental design for a doll, as shown.

127,336
DESIGN FOR A HAIR CURLER
Anne Lee Wyatt, Los Angeles, Calif.
Application January 28, 1941, Serial No. 98,456
Term of patent 7 years



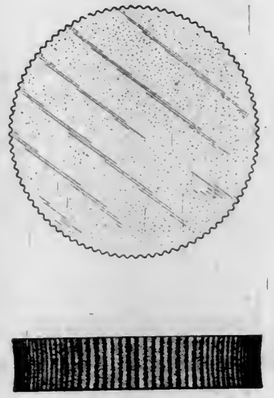
The ornamental design for a hair curler, as shown and described.

127,337
DESIGN FOR A LACE
Isaac Zendman, New York, N. Y.
Application April 14, 1941, Serial No. 100,360
Term of patent 3½ years



The ornamental design for a lace, substantially as shown.

127,338
DESIGN FOR A COSMETIC APPLICATOR
Charles E. Zimmerman, Chicago, Ill.
Application November 13, 1939, Serial No. 86,223
Term of patent 14 years



The ornamental design for a cosmetic applicator, substantially as shown and described.

127,339
DESIGN FOR A DRESS
Vivian Amen, New York, N. Y.
Application April 24, 1941, Serial No. 100,597
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,340
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application April 24, 1941, Serial No. 100,588
Term of patent 3½ years



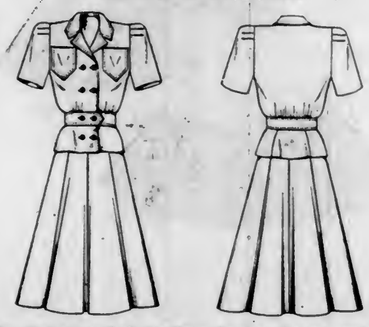
The ornamental design for a dress, substantially as shown.

127,341
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application April 24, 1941, Serial No. 100,589
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,342
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application April 24, 1941, Serial No. 100,590
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,343
DESIGN FOR A DRESS
Marie Carbotti, New York, N. Y.
Application April 24, 1941, Serial No. 100,591
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,344
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application April 24, 1941, Serial No. 100,593
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,345
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application April 24, 1941, Serial No. 100,594
Term of patent 3½ years



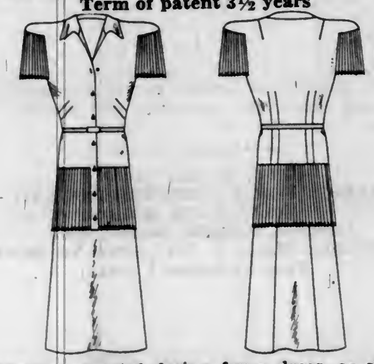
The ornamental design for a dress, substantially as shown.

127,346
DESIGN FOR A DRESS
William Clion, Brooklyn, N. Y.
Application April 25, 1941. Serial No. 100,612
Term of patent 3½ years



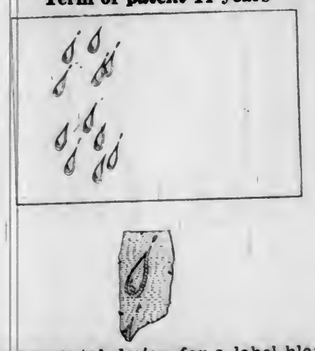
The ornamental design for a dress, substantially as shown.

127,347
DESIGN FOR A DRESS
Pauline E. Fields, New York, N. Y.
Application April 19, 1941. Serial No. 100,497
Term of patent 3½ years



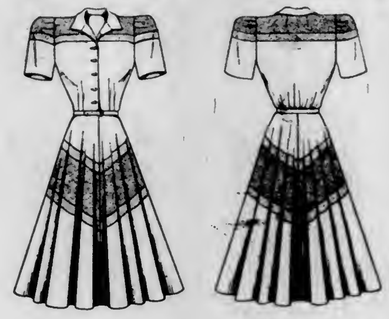
The ornamental design for a dress, as shown.

127,348
DESIGN FOR A LABEL BLANK
Lawrence J. Gayda, Pittsburgh, Pa.
Application October 2, 1939, Serial No. 87,471
Term of patent 14 years



The ornamental design for a label blank, substantially as shown and described.

127,349
DESIGN FOR A DRESS
Jack Goldman, New York, N. Y.
Application April 17, 1941, Serial No. 100,443
Term of patent 3½ years



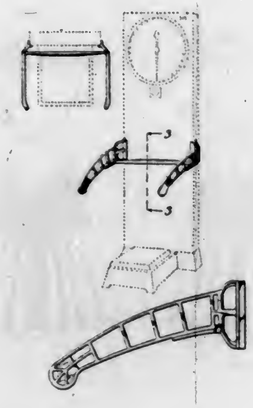
The ornamental design for a dress, substantially as shown.

127,350
DESIGN FOR A DRESS
Bernice Halloway, New York, N. Y.
Application April 22, 1941, Serial No. 100,570
Term of patent 3½ years



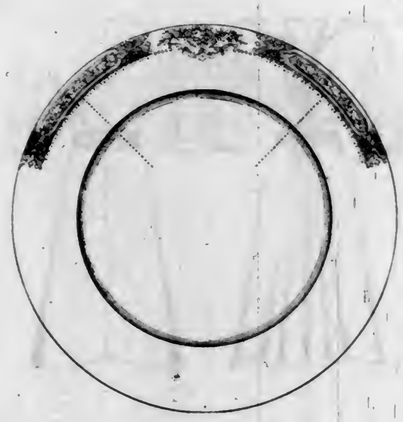
The ornamental design for a dress, substantially as shown.

127,351
DESIGN FOR A COMBINED WEIGHING SCALE AND SAFETY BRACKETS
Gustav F. Hochriem, Chicago, Ill.
Application September 28, 1940, Serial No. 95,472
Term of patent 14 years



The ornamental design for a combined weighing scale and safety brackets, as shown.

127,352
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Cyril W. Leigh, East Orange, N. J., assignor to Morimura Bros., Inc., New York, N. Y., a corporation of Japan
Application March 29, 1941, Serial No. 100,000
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

127,353
DESIGN FOR A COMBINED ASH TRAY AND HOLDER FOR CIGARETTES AND MATCHES
Clare H. Marks, New York, N. Y.
Application December 17, 1940, Serial No. 97,399
Term of patent 7 years



The ornamental design for a combined ash tray and holder for cigarettes and matches, as shown.

127,354
DESIGN FOR A COMBINED FAN AND PLAYING CARD HOLDER
Joseph A. Paradise, Detroit, Mich.
Application March 11, 1941, Serial No. 99,501
Term of patent 7 years



The ornamental design for a combined fan and playing card holder, as shown.

127,355
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application April 17, 1941, Serial No. 100,450
Term of patent 3½ years



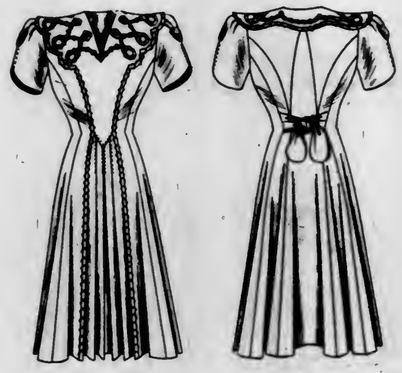
The ornamental design for a dress, substantially as shown.

127,356
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application April 17, 1941, Serial No. 100,451
Term of patent 3½ years



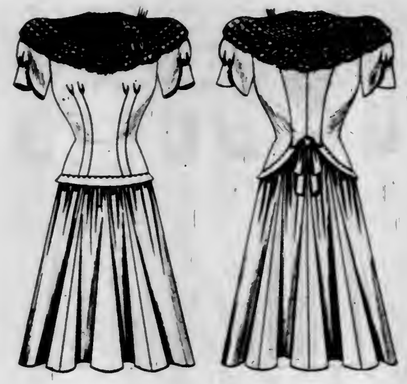
The ornamental design for a dress, substantially as shown.

127,357
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application April 17, 1941, Serial No. 100,452
Term of patent 3½ years



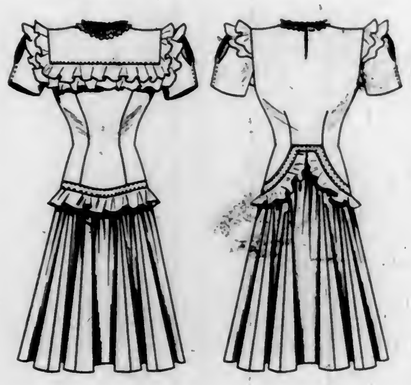
The ornamental design for a dress, substantially as shown.

127,358
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application April 17, 1941, Serial No. 100,453
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,359
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application April 17, 1941, Serial No. 100,457
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,360
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application April 16, 1941, Serial No. 100,401
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,361
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application April 16, 1941, Serial No. 100,402
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,362
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application April 16, 1941, Serial No. 100,403
Term of patent 3½ years



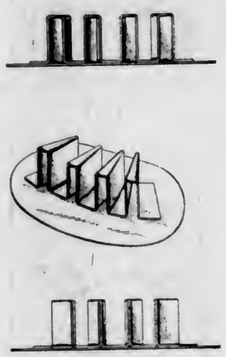
The ornamental design for a dress, substantially as shown.

127,363
DESIGN FOR A DRESS
Julia Richards, Brooklyn, N. Y.
Application April 16, 1941, Serial No. 100,404
Term of patent 3½ years



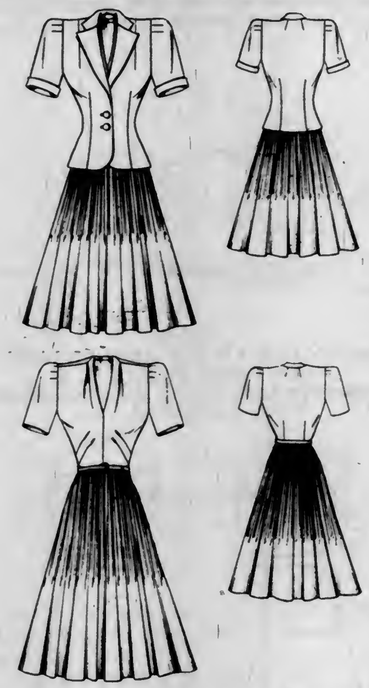
The ornamental design for a dress, substantially as shown.

127,364
DESIGN FOR A MANICURIST HAND SUPPORT
John H. Warner, Dayton, Ohio
Application February 15, 1940, Serial No. 90,276
Term of patent 14 years



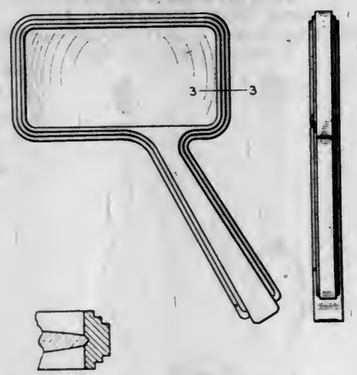
The ornamental design for a manicurist hand support, substantially as shown.

127,365
DESIGN FOR A DRESS ENSEMBLE
Philip Zahn, New York, N. Y.
Application April 12, 1941, Serial No. 100,340
Term of patent 3½ years



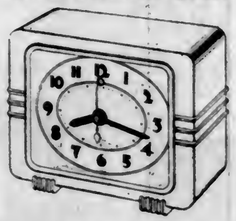
The ornamental design for a dress ensemble, substantially as shown.

127,366
DESIGN FOR A READING GLASS
Samuel E. Bouchard, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application September 24, 1940, Serial No. 95,338
Term of patent 7 years



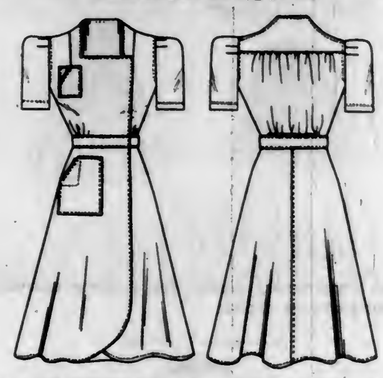
The ornamental design for a reading glass, substantially as shown.

127,367
DESIGN FOR A CLOCKCASE
Leo Ivan Bruce, Framingham, Mass., assignor to General Electric Company, a corporation of New York
Application December 31, 1940, Serial No. 97,740
Term of patent 7 years



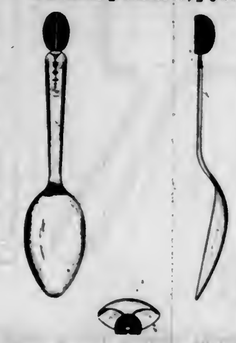
The ornamental design for a clockcase, as shown.

127,368
DESIGN FOR A WRAP-AROUND DRESS
Louise Caston, Flushing, N. Y.
Application April 15, 1941, Serial No. 100,383
Term of patent 3½ years



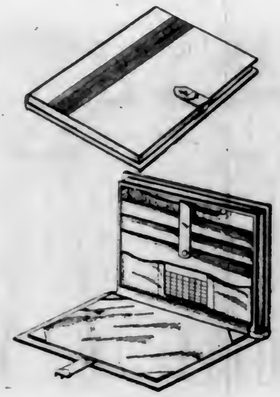
The ornamental design for a wrap-around dress, substantially as shown.

127,369
DESIGN FOR A SPOON
Leon Cohn, Hopewell, N. J.
Application March 6, 1941, Serial No. 99,375
Term of patent 3½ years



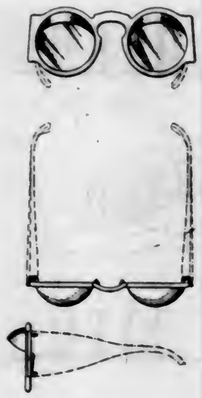
The ornamental design for a spoon, as shown.

127,370
DESIGN FOR A PAPETERIE
Carl Froelich, New York, N. Y.
Application August 28, 1940, Serial No. 94,684
Term of patent 3½ years



The ornamental design for a papeterie, as shown and described.

127,371
DESIGN FOR SUNGLASSES
Julius Hommer, Newark, N. J., assignor to Lapin Products, Inc., New York, N. Y., a corporation of New York
Application April 3, 1940, Serial No. 91,430
Term of patent 14 years



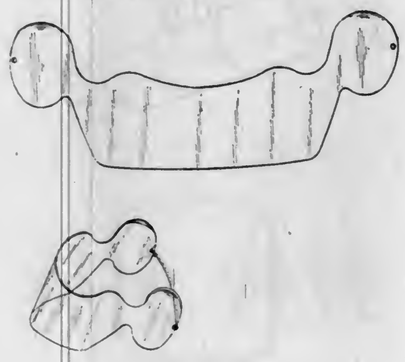
The ornamental design for sunglasses, substantially as shown and described.

127,372
DESIGN FOR A CURTAIN FABRIC
James G. Hunniford, New York, N. Y., assignor to Paroma Draperies, Inc., New York, N. Y., a corporation of New York
Application April 5, 1941, Serial No. 100,166
Term of patent 3½ years



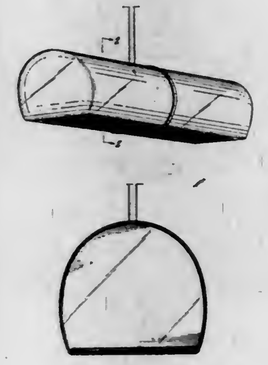
The ornamental design for a curtain fabric, as shown.

127,373
DESIGN FOR A COMBINATION EYE AND EAR SHIELD
Lawrence N. Johnson, Chicago, Ill.
Application February 17, 1941, Serial No. 99,044
Term of patent 7 years



The ornamental design for a combination eye and ear shield, as shown and described.

127,374
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
James E. Jordan, Aliquippa, Pa., assignor to The Phoenix Glass Company, Monaca, Pa., a corporation of West Virginia
Application October 4, 1940, Serial No. 95,640
Term of patent 14 years



The ornamental design for a fluorescent lighting fixture, substantially as shown and described.

127,375
DESIGN FOR A DRESS
William Mariani, New York, N. Y.
Application April 19, 1941, Serial No. 100,506
Term of patent 3½ years



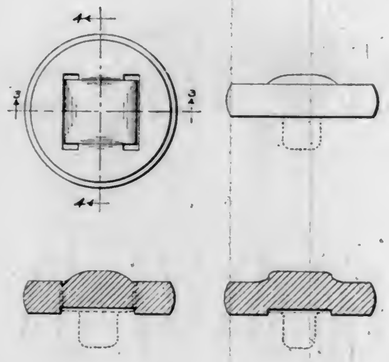
The ornamental design for a dress, as shown.

127,376
DESIGN FOR A BUCKLE
William J. Morse, Attleboro, Mass., assignor to Morse Andrews Co., Attleboro, Mass., a corporation of Massachusetts
Application April 10, 1941, Serial No. 100,289
Term of patent 3½ years



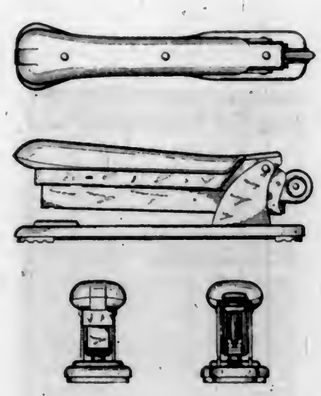
The ornamental design for a buckle, substantially as shown and described.

127,377
DESIGN FOR AN ATTACHING MEMBER FASTENER
Conrad Nilsen, Mattapan, Mass.
Application January 30, 1941, Serial No. 98,517
Term of patent 7 years



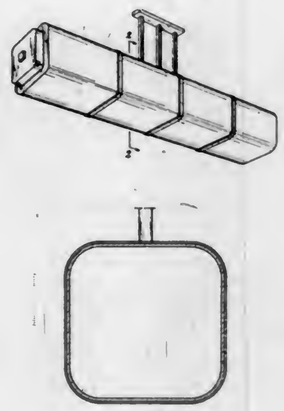
The ornamental design for an attaching member fastener, as shown.

127,378
DESIGN FOR A STAPLING MACHINE
William G. Pankonin, Chicago, Ill.
Application March 26, 1941, Serial No. 99,908
Term of patent 14 years



The ornamental design for a stapling machine, as shown.

127,379
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
Anton G. Parisson, Pittsburgh, Pa., assignor to The Phoenix Glass Company, Monaca, Pa., a corporation of West Virginia
Application October 4, 1940, Serial No. 95,641
Term of patent 14 years



The ornamental design for a fluorescent lighting fixture, substantially as shown and described.

127,380
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application April 17, 1941, Serial No. 100,454
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,381
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application April 17, 1941, Serial No. 100,455
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,382
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application April 17, 1941, Serial No. 100,456
Term of patent 3½ years



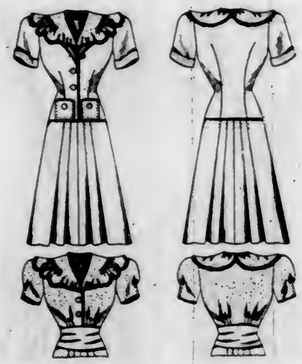
The ornamental design for a dress, substantially as shown.

127,383
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application April 17, 1941, Serial No. 100,458
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,384
DESIGN FOR A DRESS ENSEMBLE
Bessie Recht, St. Louis, Mo.
Application April 17, 1941, Serial No. 100,459
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

127,385
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application April 17, 1941, Serial No. 100,460
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,386
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application April 17, 1941, Serial No. 100,461
Term of patent 3½ years



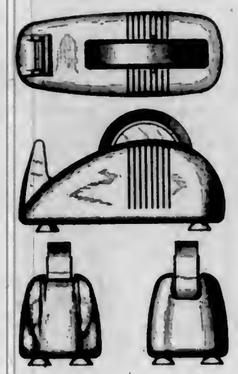
The ornamental design for a dress, substantially as shown.

127,387
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application April 17, 1941, Serial No. 100,463
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,388
DESIGN FOR A TAPE DISPENSER
Jean Otis Reinecke, Chicago, Ill., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application March 13, 1941, Serial No. 99,560
Term of patent 14 years



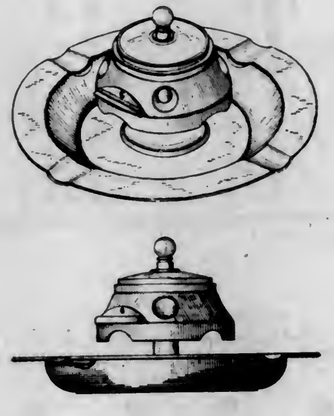
The ornamental design for a tape dispenser, as shown.

127,389
DESIGN FOR A DRESS
Samuel Riesenberg, New York, N. Y.
Application April 17, 1941, Serial No. 100,445
Term of patent 3½ years



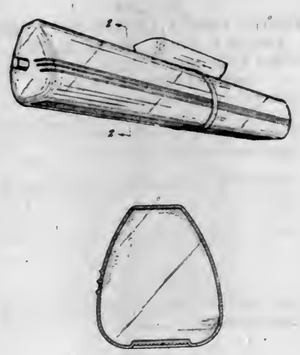
The ornamental design for a dress, substantially as shown.

127,390
DESIGN FOR A COMBINED ASH TRAY AND LIGHTER
John F. Schylander, Chicago, Ill.
Application September 21, 1940, Serial No. 95,256
Term of patent 14 years



The ornamental design for a combined ash tray and lighter, as shown.

127,391
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
Hugh J. Claspy, Monaca, Pa., assignor to The Phoenix Glass Company, Monaca, Pa., a corporation of West Virginia
Application October 4, 1940, Serial No. 95,643
Term of patent 14 years



The ornamental design for a fluorescent lighting fixture, substantially as shown and described.

127,392
DESIGN FOR A DRESS
Minna Fields, New York, N. Y.
Application April 17, 1941, Serial No. 100,447
Term of patent 3½ years



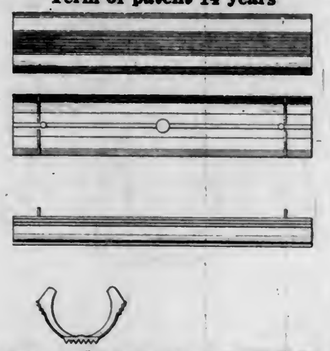
The ornamental design for a dress, substantially as shown.

127,393
DESIGN FOR A DRESS
Abe Gershuny, New York, N. Y.
Application April 17, 1941, Serial No. 100,444
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,394
DESIGN FOR A LIGHT DIFFUSER
Edwin F. Guth, St. Louis, Mo.
Application February 4, 1941, Serial No. 98,715
Term of patent 14 years



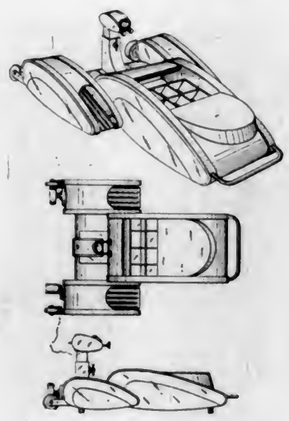
The ornamental design for a light diffuser, substantially as shown.

127,395
DESIGN FOR A DRESS
Fritzie Hannah, New York, N. Y.
Application April 22, 1941, Serial No. 100,571
Term of patent 3½ years



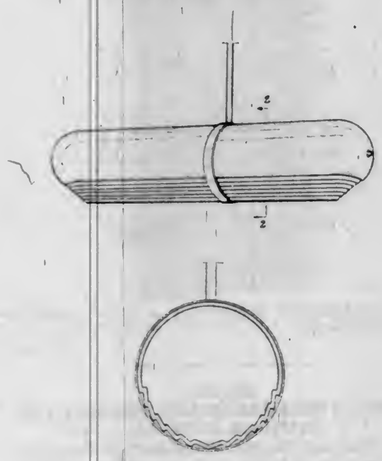
The ornamental design for a dress, substantially as shown.

127,396
DESIGN FOR A WHEEL BALANCING MACHINE
Lee Hunter, Jr., University City, Mo., assignor to Hunter-Hartman Corp., St. Louis, Mo., a corporation of Missouri
Application February 1, 1941, Serial No. 98,648
Term of patent 3½ years



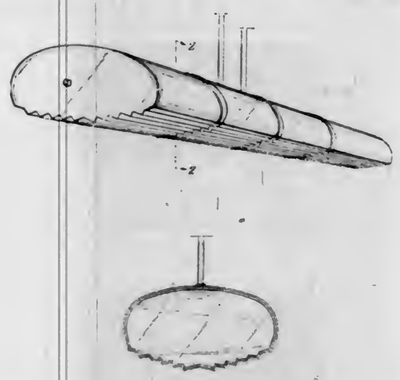
The ornamental design for a wheel balancing machine, as shown.

127,397
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
Charles F. Johnston, Beaver, Pa., assignor to The Phoenix Glass Company, Monaca, Pa., a corporation of West Virginia
Application October 4, 1940, Serial No. 95,637
Term of patent 14 years



The ornamental design for a fluorescent lighting fixture, substantially as shown and described.

127,398
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
James E. Jordan, Aliquippa, Pa., assignor to The Phoenix Glass Company, Monaca, Pa., a corporation of West Virginia
Application October 4, 1940, Serial No. 95,639
Term of patent 14 years



The ornamental design for a fluorescent lighting fixture, substantially as shown and described.

127,399
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application April 17, 1941, Serial No. 100,449
Term of patent 3½ years



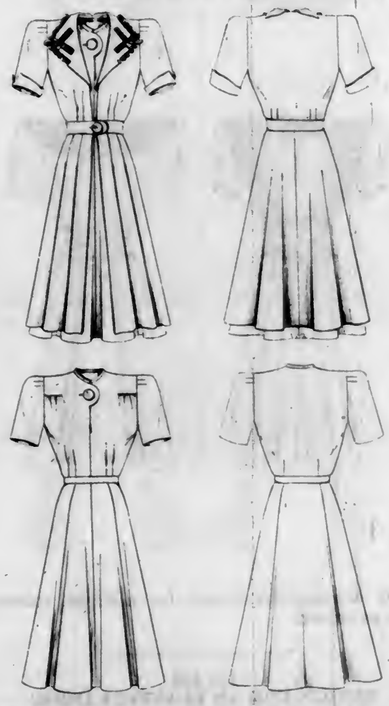
The ornamental design for a dress, substantially as shown.

127,400
DESIGN FOR AN ELASTIC FABRIC
Albert Richards, Lowell, Mass., assignor to United Elastic Corporation, Easthampton, Mass., a corporation of Massachusetts
Application January 3, 1941, Serial No. 97,794
Term of patent 3½ years



The ornamental design for an elastic fabric, substantially as shown.

127,401
DESIGN FOR A DRESS ENSEMBLE
Samuel Riesenberg, New York, N. Y.
Application April 17, 1941, Serial No. 100,446
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

127,402
DESIGN FOR A TEXTILE FABRIC
Peter S. Schwartz, New York, N. Y.
Application November 13, 1940, Serial No. 96,542
Term of patent 3½ years



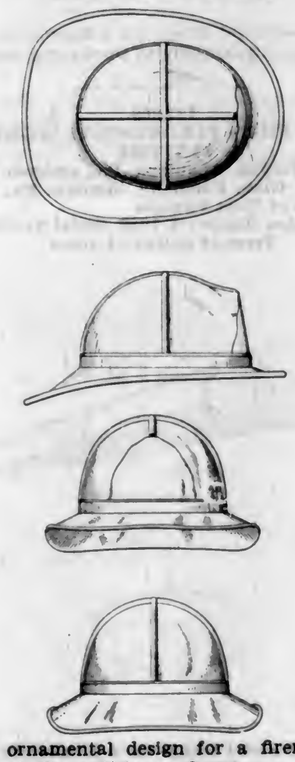
The ornamental design for a textile fabric, as shown.

127,403
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application April 17, 1941, Serial No. 100,448
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,404
DESIGN FOR A FIREMAN'S HELMET OR SIMILAR ARTICLE
Edward Cairns, Montclair, N. J.
Application July 25, 1940, Serial No. 93,912
Term of patent 14 years



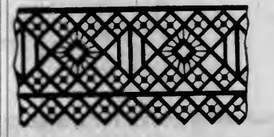
The ornamental design for a fireman's helmet or similar article, as shown.

127,405
DESIGN FOR A RUG
Manuel Feldman, New York, N. Y.
Application April 19, 1941, Serial No. 100,513
Term of patent 3½ years



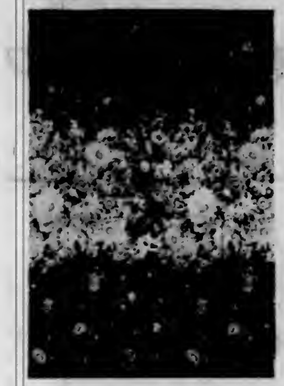
The ornamental design for a rug, substantially as shown.

127,406
DESIGN FOR LACE
William Michl, Little Ferry, N. J.
Application March 31, 1941, Serial No. 100,032
Term of patent 3½ years



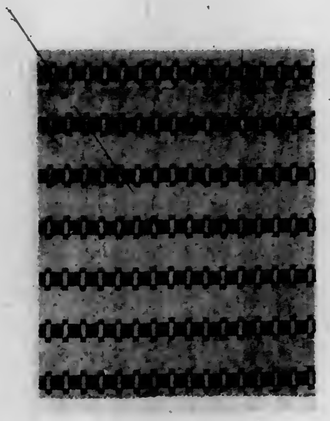
The ornamental design for a lace, substantially as shown.

127,407
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Julia Morris, New York, N. Y., assignor to Cohn-Hall-Marx Co., New York, N. Y.
Application April 16, 1941, Serial No. 100,406
Term of patent 3½ years



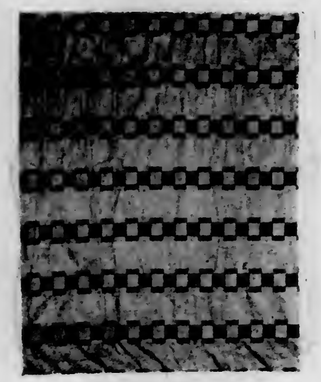
The ornamental design for a textile fabric or similar article, as shown and described.

127,408
DESIGN FOR A TEXTILE FABRIC
Julian Rochelle, New York, N. Y.
Application April 23, 1941, Serial No. 100,572
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

127,409
DESIGN FOR A TEXTILE FABRIC
Julian Rochelle, New York, N. Y.
Application April 23, 1941, Serial No. 100,573
Term of patent 3½ years



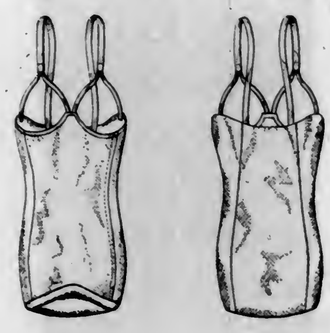
The ornamental design for a textile fabric, as shown.

127,410
DESIGN FOR A TEXTILE FABRIC
Julian Rochelle, New York, N. Y.
Application April 23, 1941, Serial No. 100,574
Term of patent 3½ years



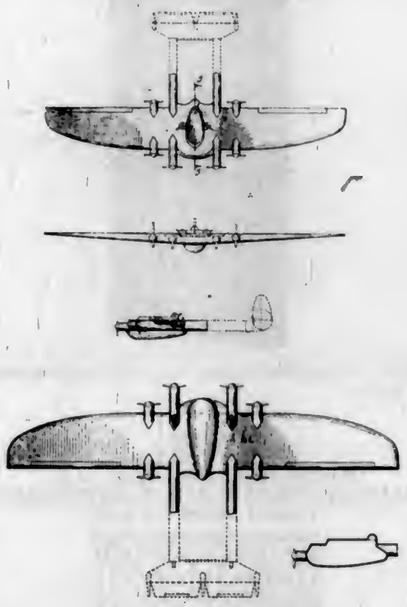
The ornamental design for a textile fabric, as shown and described.

127,411
DESIGN FOR A FOUNDATION GARMENT
Katherine K. Smythe, Evanston, Ill.
Application February 24, 1941, Serial No. 99,180
Term of patent 14 years



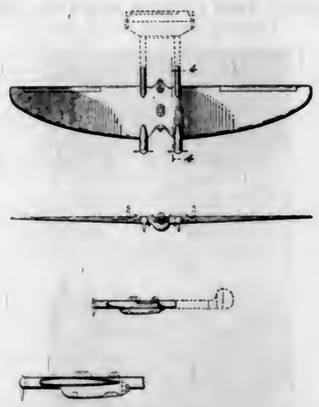
The ornamental design for a foundation garment, substantially as shown.

127,412
DESIGN FOR A HIGH WING MONOPLANE
Aristede A. Theodoropulos, New Haven, Conn.
Application October 28, 1939, Serial No. 87,905
Term of patent 7 years



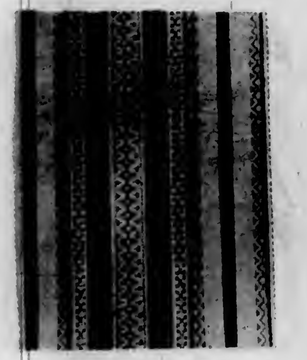
The ornamental design for a high wing monoplane, substantially as shown.

127,413
DESIGN FOR A PURSUIT MONOPLANE
Aristede A. Theodoropulos, New Haven, Conn.
Application December 7, 1939, Serial No. 88,754
Term of patent 7 years



The ornamental design for a pursuit monoplane, substantially as shown.

127,414
DESIGN FOR A TEXTILE FABRIC
Abe Tillman, New York, N. Y.
Application April 19, 1941, Serial No. 100,517
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

127,415
DESIGN FOR A DRESS
Jay Morgan Fauth, New York, N. Y.
Application May 1, 1941, Serial No. 100,718
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,416
DESIGN FOR A DRESS
Jay Morgan Fauth, New York, N. Y.
Application May 1, 1941, Serial No. 100,719
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,417
DESIGN FOR A DRESS
Jay Morgan Fauth, New York, N. Y.
Application May 1, 1941, Serial No. 100,720
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,418
DESIGN FOR A DRESS
Jay Morgan Fauth, New York, N. Y.
Application May 1, 1941, Serial No. 100,721
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,419
DESIGN FOR A DRESS
Jay Morgan Fauth, New York, N. Y.
Application May 1, 1941, Serial No. 100,722
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,420
DESIGN FOR A DRESS
Jay Morgan Fauth, New York, N. Y.
Application May 1, 1941, Serial No. 100,723
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,421
DESIGN FOR A DRESS
Margaret Gaudiosi, New York, N. Y.
Application April 29, 1941, Serial No. 100,672
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,422
DESIGN FOR A DRESS
Margaret Gaudiosi, New York, N. Y.
Application April 29, 1941, Serial No. 100,673
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,423
DESIGN FOR A DRESS
Margaret Gaudiosi, New York, N. Y.
Application April 29, 1941, Serial No. 100,674
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,424
DESIGN FOR A DRESS
Margaret Gaudiosi, New York, N. Y.
Application April 29, 1941, Serial No. 100,675
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,425
DESIGN FOR A DRESS
Margaret Gaudiosi, New York, N. Y.
Application April 29, 1941, Serial No. 100,676
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,426
DESIGN FOR A DRESS
Margaret Gaudiosi, New York, N. Y.
Application April 29, 1941, Serial No. 100,677
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,427
DESIGN FOR A DRESS
Margaret Gaudiosi, New York, N. Y.
Application April 29, 1941, Serial No. 100,678
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,428
DESIGN FOR A DRESS
Margaret Gaudiosi, New York, N. Y.
Application April 29, 1941, Serial No. 100,679
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,429
DESIGN FOR A DRESS
Margaret Gaudiosi, New York, N. Y.
Application April 29, 1941, Serial No. 100,680
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,430
DESIGN FOR A DRESS
Margaret Gaudiosi, New York, N. Y.
Application April 29, 1941, Serial No. 100,681
Term of patent 3½ years



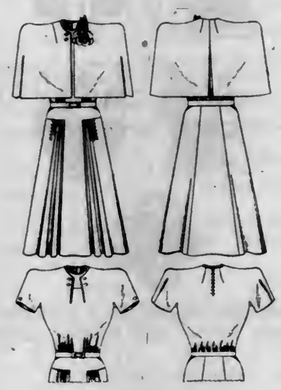
The ornamental design for a dress, substantially as shown.

127,431
DESIGN FOR WRAPPING PAPER OR SIMILAR ARTICLE
Ladislas Medgyes, New York, N. Y., assignor to Helena Rubinstein, Inc., New York, N. Y., a corporation of New York
Application March 4, 1941, Serial No. 99,346
Term of patent 7 years



The ornamental design for a wrapping paper or similar article, as shown.

127,432
DESIGN FOR A DRESS ENSEMBLE
Ottilie Conrad Nadel, New York, N. Y.
Application March 15, 1941, Serial No. 99,614
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

127,433
DESIGN FOR A BROOCH OR THE LIKE
Thomas S. Themelis, New York, N. Y.
Application January 27, 1941, Serial No. 98,399
Term of patent 3½ years



The ornamental design for a brooch or the like, as shown.

127,434
DESIGN FOR A COMBINED SACHET BALL, PERFUME BOTTLE AND HOLDERS THEREFOR
Jean E. Vivaudou and Henry G. Lubin, New York, N. Y.
Application April 4, 1941, Serial No. 100,130
Term of patent 3½ years



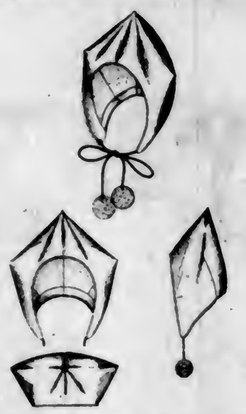
The ornamental design for a combined sachet ball, perfume bottle and holders therefor, as shown.

127,435
DESIGN FOR A TEXTILE FABRIC
Emil Lambert, Farnham, Quebec, Canada, assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
Application March 29, 1941, Serial No. 100,010
Term of patent 14 years



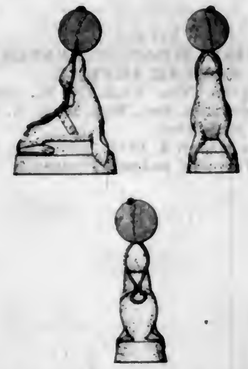
The ornamental design for a textile fabric, as shown and described.

127,436
DESIGN FOR A HOOD
Edward C. Lindfelt, Des Moines, Iowa
Application August 26, 1940, Serial No. 94,621
Term of patent 3½ years



The ornamental design for a hood, substantially as shown.

127,437
DESIGN FOR A COMBINED SACHET BALL AND HOLDERS THEREFOR
Jean E. Vivaudou, New York, N. Y.
Application January 27, 1941, Serial No. 98,416
Term of patent 3½ years



The ornamental design for a combined sachet ball and holders therefor, as shown.

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CONTENTS

	Page
Issue of May 27, 1941	855
Adjudicated Patents	855
Disclaimers	855
Interference Notice	856
Applications Under Examination	
Commissioner's Decision:	
In re application filed July 10, 1940	857
Decisions of the U. S. Courts—	
In re Rosenberger	857
In re Adams	861
Patent Suits	861
Changes in Classification	863
Adverse Decisions in Interference	863
Bulletin of Decisions of Patent Office on Trade-Marks	864
Trade-Marks Published (152 Applications)	869
Trade-Mark Registrations Granted	888
Trade-Mark Registrations Renewed	897
Reissues	899
Plant Patents	900
Patents Granted	901
Designs	1085

May 27, 1941

Trade-Marks	199—No.	387,611 to No.	387,809, inclusive.
T. M. Renewals	32		
Reissues	4—No.	21,810 to No.	21,813, inclusive.
Plant Patents	3—No.	467 to No.	469, inclusive.
Patents	767—No.	2,243,062 to No.	2,243,828, inclusive.
Designs	120—No.	127,438 to No.	127,557, inclusive.
Total	1,125		

Adjudicated Patents

(C. C. A. N. Y.) Sargent and De Reamer patent, No. 1,567,863, for house wiring structure, claims 1 to 9, inclusive, *Held* valid and infringed. *General Electric Co.* v. *Leviton Mfg. Co.*, 118 F.(2d) 335.

(C. C. A. N. Y.) Shafer patent, No. 1,583,496, for heat regulating system, claims 1 to 3, 5, 8 to 10, and 14 to 20 *Held* invalid. *General Electric Co.* v. *Minneapolis-Honeywell Regulator Co.*, 118 F.(2d) 278.

(D. C. Mich.) Watts patent, No. 1,624,698, for doffer for ironing machines, *Held* valid. *Why Corporation* v. *Super Ironer Corporation*, 37 F. Supp. 538.

(D. C. N. Y.) Kohloff patent, No. 1,790,101, for electrical connector. *Held* not infringed. *Kohloff* v. *Ford Motor Co.*, 37 F. Supp. 472.

(D. C. Mass.) Howard patent, No. 1,829,800, for edge setting machine, claims 1, 2, and 3 *Held* valid and infringed, and claims 13, 14, 16, 18, 19, and 30 *Held* valid and not infringed. *National Development Co.* v. *Lawson-Porter Shoe Machinery Corporation*, 37 F. Supp. 555.

(D. C. Mass.) Sherrill patent, No. 1,924,963, for store, claims 3 and 4 *Held* invalid and not infringed. *Kroger Grocery & Baking Co.* v. *First Nat. Stores*, 37 F. Supp. 553.

(C. C. A. Or.) Edwards patent, No. 1,927,395, for gear pump, claims 7 and 8 *Held* invalid. *Bingham Pump Co.* v. *Edwards*, 118, F.(2d) 338.

(D. C. N. C.) Goldberg patent No. 2,051,349, for device for preserving local anesthetic solutions, *Held* invalid. *Novocol Chemical Mfg. Co.* v. *Powers & Anderson Dental Co.*, 37 F. Supp. 594.

(C. C. A. Ohio) Willis reissue patent, No. 17,852, for dust bag for suction cleaning apparatus, claims 2, 3, and 4 *Held* invalid. *Electric Vacuum Cleaner Co.* v. *P. A. Geier Co.*, 118 F.(2d) 221.

(D. C. Mich.) Heyer design patent, No. 95,041, for design for combining charging and testing apparatus for stock stand, *Held* invalid. *Heyer* v. *Allen Electric & Equipment Co.*, 37 F. Supp. 455.

Disclaimers

2,190,759.—*Ernst F. W. Alexanderson*, Schenectady, N. Y. ELECTRIC VALVE CIRCUIT. Patent dated February 20, 1940. Disclaimer filed May 5, 1941, by the assignee, *General Electric Company*.

Hereby enters this disclaimer to claims 8 and 9 in said patent.

2,217,488.—*Kurt Mahnke*, Forest Hills, Pa. THERMAL OVERLOAD RELAY. Patent dated October 8, 1940. Disclaimer filed May 3, 1941, by the assignee, *Westinghouse Electric & Manufacturing Company*.

Hereby enters this disclaimer to claims 1 and 2 of the patent specification.

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., Apr. 25, 1941.*

Armand A. Probeck, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Patent No. 2,172,806, granted September 12, 1939, to Armand A. Probeck, 12943 Clifton Blvd., Cleveland, Ohio, and the reissue application for patent of Gerald G. Greulich, 778 Osage Road, Mount Lebanon, Pittsburgh, Pa., and a notice of such declaration sent by registered mail to said Probeck at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Probeck, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business May 10, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 41,723; Trade-Mark Division, 1,328. Oldest new case, Aug. 15, 1940; oldest amended, Aug. 16, 1940.)
(The dates given are 1940 except where † indicates 1941)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action: New	Oldest new application awaiting office action: Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Dec. 16	Dec. 23	515
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Nov. 18	Oct. 12	540
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Mar. 12	†Mar. 11	406
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	†Feb. 6	†Jan. 29	519
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Dec. 28	Dec. 31	451
4896 C	6. LEWERS, A. M., Carbon Chemistry (part)	Oct. 12	Oct. 12	1130
5725	7. JARBOE, C. G., Optics; Photography	Nov. 15	Nov. 12	915
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Oct. 9	Oct. 9	844
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Dec. 6	Dec. 9	604
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Dec. 5	Dec. 26	380
5087 B	11. BENHAM, R. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	†Jan. 16	†Jan. 21	432
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Nov. 14	Nov. 15	558
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Oct. 24	Oct. 24	532
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	†Jan. 24	†Jan. 15	514
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 5	Nov. 7	1050
5716	16. SPENCER, C. J., Telegraphy; Telephony	Dec. 20	†Jan. 7	541
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 13	Dec. 7	537
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Dec. 13	Dec. 18	449
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	†Jan. 2	†Jan. 7	633
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Nov. 22	Nov. 27	396
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	†Jan. 30	†Feb. 19	287
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Aug. 15	Aug. 16	1406
7624	23. BUTTNER, W. J., Registers (part)	Sept. 21	Sept. 18	245
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Oct. 2	Oct. 22	886
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Dec. 17	†Jan. 2	552
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	†Jan. 9	†Jan. 10	415
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Nov. 26	Nov. 19	639
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Dec. 16	Nov. 29	329
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Dec. 3	Dec. 16	696
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	†Jan. 21	†Jan. 16	523
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Dec. 3	Dec. 3	1355
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	†Jan. 2	†Jan. 8	920
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	†Jan. 2	†Jan. 2	886
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Nov. 5	Nov. 20	405
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Nov. 18	Nov. 16	804
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Nov. 30	Nov. 27	548
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Nov. 14	Dec. 2	536
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Sept. 18	Sept. 10	853
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	†Jan. 9	†Jan. 10	588
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Oct. 15	Oct. 15	1685
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Dec. 9	Dec. 5	441
5882	42. CUTTING, H. O., Electric Signaling	Dec. 28	†Jan. 7	354
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Nov. 8	Oct. 29	550
4087 B	44. HARVEY, L. P., Refrigeration	Nov. 1	Oct. 24	598
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	†Jan. 30	†Mar. 10	355
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Dec. 12	†Jan. 8	572
6082	47. KANOF, W. J., Clutches; Brakes	†Jan. 6	†Jan. 7	361
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Dec. 24	Dec. 28	496
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Nov. 12	Nov. 14	786
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Nov. 12	Nov. 12	1205
5628	51. BACKUS, C. D., Radiant Energy (part)	†Mar. 5	†Mar. 1	426
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	†Jan. 27	†Jan. 31	601
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Oct. 26	Oct. 22	866
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 25	Nov. 22	370
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	†Jan. 7	†Jan. 17	321
4726	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Oct. 10	Oct. 10	1169
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Sept. 28	†Jan. 23	187
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Nov. 26	Nov. 13	541
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Nov. 6	Nov. 14	1039
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Nov. 22	Nov. 22	319
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Dec. 17	Dec. 21	325
5621	62. PUCH, E. C., Games; Geometrical Instruments	†Feb. 3	†Feb. 4	431
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Oct. 21	Oct. 14	996
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	†Feb. 1	†Feb. 3	733
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Feb. 24	†Feb. 1	273
2099 B	Trade-Marks: F. A. RICHMOND	†Apr. 1	†Apr. 15	1328
2606	Designs: H. H. KALUPY	†Mar. 25	†Apr. 10	820

DECISIONS IN PATENT AND TRADE-MARK CASES

Commissioner's Decision

IN RE APPLICATION FILED JULY 10, 1940

Decided May 5, 1941

1. APPLICATION—CONTINUATION—EFFECT OF REPEAL OF SECTION 4897 R. S.

"The taking away of the renewal right by the repeal of section 4897 R. S. leaves an allowed application in the same condition as regards continuity as existed at the expiration of the statutory period for renewal under the renewal statute. While * * * the allowed application is alive during the six months period following the notice of allowance, yet the right to keep such application alive expires at the end of that period."

2. SAME—SAME.

Where an application A was allowed on February 1, 1940, and because of the repeal of section 4897 R. S. was not subject to renewal, and the same applicant filed another application B on July 10, 1940, *Held* that application B can not be considered a continuation of application A and is not entitled to the benefit of the filing date thereof.

ON PETITION.

COE, *Commissioner:*

This is a petition requesting that the Examiner in charge of this application be advised that this application is a continuation of application Serial No. —— and therefore entitled to the benefit of the filing date of said application Serial No. ——.

The earlier application was allowed February 1, 1940. The alleged continuing application was filed July 10, 1940. Because of the repeal of section 4897 R. S. the earlier application was not subject to renewal, and incidentally was abandoned subsequent to the filing of the present case. No question of disclosure affecting the question of continuity has been raised.

The effect of the repeal of section 4897 R. S. on the question of continuing applications can best be considered by reviewing certain decisions rendered on the question prior to the repeal of this statute.

In the case of *Weston Electrical Instrument Co.* v. *Empire Electrical Instrument Co.* (136 Fed. Rep. 599) it was held that the patent involved was void because granted upon a renewal application filed more than two years after the allowance of the original application. In this case the court of appeals said that the construction contended for by the appellant would permit an unlimited number of forfeitures and renewals, and would nullify the policy of the law which requires diligence in the prosecution of applications for the issuance of patents.

The question of the right of an original application filed after the allowance of a prior application to rely upon the filing date of the prior application as to all subject matter common to the two applications was decided in the case of *Barrett* v. *Hart* 1918 C. D. 62. In this case an application in usual form was filed as a continuation of a prior renewed application which latter application could not at that time be again renewed because of the two year limitation of section 4897 R. S. While the allowed application was still alive at the time of filing the alleged continuation, yet as held in the decision:

"All right to keep the reallowed application alive expired with the failure to pay the final fee within six months of the second allowance. To hold that the applicant by filing an application in the usual form before the expiration of the six months may through the doctrine of continued applications start the whole process over again and still relate back to the date of filing of the abandoned application would make it possible to nullify the policy of the law as to diligence in the prosecutions of applications."

[1] From the above it is clear that the right of a continuing application to relate back to the filing date of a prior allowed application was determined by the renewal rights of the allowed application at the time of filing of the later case, and an application was not a continuing application which was filed at a time when its prior allowed application could not be renewed. By the same reasoning it follows that the taking away of the renewal right by the repeal of section 4897 R. S. leaves an allowed application in the same condition as regards continuity as existed at the expiration of the statutory period for renewal under the renewal statute. While it is true as noted in *Barrett* v. *Hart*, supra, that the allowed application is alive during the six months period following the notice of allowance, yet the right to keep such application alive expires at the end of that period. If continuity could now be preserved by a continuing application filed during the six months period following allowance, the process could go on indefinitely because the repeal of the renewal statute takes away the limitation as to time of filing of such a continuing application that existed under that statute. The policy of the law as to diligence in the prosecution of applications which the above noted decisions sought to protect would thus be nullified.

[2] It is therefore held that the present application is not a continuing application and is not entitled to the benefit of the filing date of the prior application.

The petition is denied.

U. S. Court of Customs and Patent Appeals

IN RE ROSENBERGER

No. 4,207. Decided January 6, 1941

[116 F.(2d) 507]

1. PATENTABILITY—COMBINATION OF REFERENCES—REFERENCE INOPERATIVE IN PART.

Where the applicant did not assert that the feature of a patent which is combined with other features of other patents to meet claims of his application is, in itself, inoperative, but merely asserted that said patent discloses another inoperative feature, *Held* that the rule relating to inoperativeness in reference disclosures has no application.

2. SAME—VALIDITY OF REFERENCE—PERFECTION OR COMMERCIAL SUCCESS.

"An anticipating device disclosed in a reference need not be perfect or commercially successful under all circumstances in order to constitute a valid anticipating reference."

3. SAME—SAME—AGE OF REFERENCE.

"Regardless of what has been said or may be said concerning the anticipatory force to be given to an old reference which is shown not to have solved an existing problem or not to have met with commercial success, it is clear to us that the mere fact alone that the reference is old does not prevent it from being properly used as a reference if the structure disclosed and relied upon is clearly and definitely shown."

4. SAME—ABRADING MACHINE.

Claims for an abrading machine *Held* properly rejected on the ground that it would not be inventive to combine the features of the prior art in the manner in which applicant did.

APPEAL from Patent Office. Affirmed.

Mr. William F. Hall and *Mr. Charles M. Thomas* for Rosenberger.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

Having allowed two claims in appellant's application, which is owned by the Pangborn Corporation of Hagerstown, Md., the Primary Examiner of the United States Patent Office rejected claims 36, 37, 38, 39, 40, 41, and 42, from which decision appeal was taken to the Board of Appeals, whose decision affirmed that of the Examiner. Upon appeal to this court, appellant moved to dismiss claims 36, 39, 40, and 41, which motion to dismiss is granted, thus leaving claims 37, 38, and 42 for consideration by us.

Claim 37 is regarded as typical of the three claims, although slight differences existing therein will be referred to hereinafter. Claim 37 reads:

37. In an abrading machine, a rotor having a plurality of substantially radially disposed blades, said blades terminating short of the axis of said rotor and having hardened surfaces extending substantially from end to end, a substantially cylindrical abrasive feeding device of small external diameter compared to the radius of the rotor disposed between the inner ends of said blades and having a discharge opening therein in the cylindrical wall of said device and located between the planes of rotation defined by the sides of said blades for delivering abrasive to the inner ends of said blades, the hardened surfaces of said blades terminating close to said feeding device to pick up the abrasive with a minimum impact and said surfaces of said blades being substantially smooth and uninterrupted to accelerate the abrasive smoothly and continuously and without abrupt changes in a substantially radial direction and being of sufficient length to discharge it from the outer ends of said blades at an abrading velocity when said rotor is rotated, said feeding device being mounted for movement so as to bring the discharge opening thereof into a plurality of positions to thereby selectively vary the discharge point of abrasive from said blades, means for delivering abrasive to said feeding device, and a rotatable means disposed in said feeding device for impelling abrasive through said discharge opening.

The references relied upon are: Nehr, 469,642, February 23, 1892; Beeg, 554,473, February 11, 1896; McPhee et al., 716,268, December 16, 1902; Young et al., 859,863, July 9, 1907; Weber et al., (German) 512,269, November 8, 1930; Weber et al., (German) 519,837, March 5, 1931; Peik, 1,953,566, April 3, 1934.

The invention relates to an improvement in an abrading apparatus of the kind which hurls granular abrading material against any body that is to be abraded or sand-blasted. It is used largely on the surface of steel plates. The device for the most part consists of a wheel frame upon which is mounted a number of throwing blades. On each of said blades is placed a removable wear shoe of a very hard substance to prevent the blade from quickly wearing away. The abrading material is fed into a centrally located receptacle and from there to a rotating paddle wheel upon which said blades are located. The blades, according to the involved claims, are spaced from each other at a substantial distance to permit an unobstructed, abrasive-admitting space, the outer ends of the blades being farther apart than the inner ends. There is a discharge opening properly located in the abrasive-admitting space so as to control the point of discharge of the abrading material. By so controlling it, the material is hurled against the work instead of being whirled in all directions from the rotating wheel.

According to appellant one of the important limitations in the claims at bar refers to the surface or impact portion of the blade. In claim 37 it reads:

"said surfaces of said blades being substantially smooth and uninterrupted to accelerate the abrasive smoothly and continuously and without abrupt changes in a substantially radial direction."

and in claims 38 and 42 the limitation reads:

"said [blade] surfaces being substantially straight, smooth and uninterrupted from the inner end to the outer end of said blades, to accelerate the abrasive smoothly and continuously and in a substantially rectilinear path with respect to said runnerhead."

The affidavits submitted and the argument of counsel are to a large extent devoted to the importance of this limitation as contributing to making appellant's invention a success where others had failed. We think it proper, however, to call attention to the fact that in appellant's specification in the instant application he minimizes the importance of this limitation by the use of the following language:

It is to be understood that although I have illustrated blades 37 as having plane surfaces which are disposed substantially radially of the runner head, if desired they may be of curved configuration and be either forwardly or rearwardly inclined with respect to the direction of rotation of the runner head without departing from the spirit of my invention.

The claims require that the blades shall have a sufficient length to discharge the abrasive from the outer ends of the blades at an abrading velocity and also that the device shall have means for delivering abrasive to the feeding device, and a rotatable means in said feeding device for impelling abrasive through said discharge opening.

Claims calling for substantially the same invention as is involved in the claims at bar were brought forward by Rosenberger (appellant herein) and one Keefer (that application and the one herein having a common assignee, the aforesaid Pangborn Corporation) in an interference proceeding in the Patent Office. The Primary Examiner held that the claims were unpatentable to the said applicants and upon appeal to the Board of Appeals the decision of the Primary Examiner was affirmed. Thereafter in the instant application claims 36 and 37 and additional claims of somewhat similar scope, such as claims 38 and 42, were prosecuted in view of additional showing in the form of affidavits having been made.

Appellant contended there, as he contends here, that the said showing was sufficient to warrant a change of opinion as to the patentability of the said claims which had been passed upon by the Board, as well as the additional claims then submitted. The affidavits are in the record. They are long and it would serve no useful purpose to quote extensively from them. Concerning them, we think it sufficient to say substantially what the Board said—that they are directed to a showing of the superiority of appellant's construction as compared to the construction of the Peik patent, No. 1,953,566. The subject matter of the affidavits is to the effect that appellant's device is superior to that of Peik in that the direction of the discharge in appellant's device is definitely controlled, and that owing to the substantially straight blades of the kind called for by the claims, the material is discharged against the work with greater force and the life of the wear plates is greatly extended. It is furthermore set out that owing to the structure called for in the claims, especially that relating to the shape and position of the blades, a larger and more unobstructed abrasive-admitting space is obtained and that a much larger amount of abrasive material can be handled than in the structure defined by Peik. In Peik much of the energy in hurling the abrasive is absorbed by the impact against the plates. The affidavits also state that in testing the Peik wheel it was discovered that the material was discharged in all directions rather than under directional control.

We have carefully examined appellant's affidavits, but find nothing therein of controlling importance. If it be conceded that in this case it is shown that appellant's alleged invention defined by the appealed claims has all the merit he claims for it, it would not change the situation, because it seems to us that the issue is not an involved one and may be stated in the language of the Solicitor for the Patent Office as follows:

The issue in the present case would therefore appear to come down to whether there was invention to take a feeding device, such as shown for example, by Peik, or as used by the Board of Appeals, either one of the German patents, and use that feeding device with radially straight blades which were old in the art as shown by the several references referred to by the Examiner.

It should be remembered that Peik is but one of the references, and just here we think it important to discuss the references and follow the discussion by stating the application which the Examiner and the Board made of them.

Nehr discloses an abrasive and blasting device for hurling abrasive by centrifugal force, which device has a wheel frame supporting radially extending throwing blades. Across the inner ends of said blades is fed the abrasive by means of a conveyor screw. This device, however, does not contain any directional control means for controlling the direction of abrasive from the wheel.

Beeg discloses an abrasive machine for cleaning castings. It has a frame and radially extending blades, and the direction of discharge of the wheel is controlled by adjusting the place of admission of abrasive to the throwing blades.

McPhee discloses a device for throwing tailings, which device comprises a rotating wheel, a frame, and material-throwing blades containing removable hardened wear plates. He attempts to directionally control the emission from the wheel by positioning the material-feeding pipe so as to feed the material at a given point across the inner ends of the blades. It will be remembered here that appellant controls the direction of emission by the location of the slot which permits the abrading material to contact the blades at an alleged proper position.

The patent to Young et al. discloses an abrasive-throwing device or sand blasting machine, used by jewellers and others in treating small objects, which device comprises a rotating wheel, the wheel consisting of a frame and radially extending blades having thereon a wear covering of soft rubber. The abrasive is fed to the wheel in such a way as to discharge a major portion of the abrasive in a given location.

The patents to Weber et al. relate to devices for introducing sand into molds and which devices operate upon the principle of a rotating wheel containing blades throwing sand by centrifugal force. The blades extend in a generally radial direction and the direction of discharge from the device is controlled in part by a hollow cylindrical member positioned adjacent the center of the wheel. The sand is ejected from said control member.

The disclosure in the Peik patent differs considerably from that in the instant application. Peik has an abrasive-throwing wheel for hurling abrasive by means of forces developed in a rotating wheel, said wheel consisting of a framework with broad blades forming channels therein. The wheel has a device located therein for the purpose of controlling the direction of discharge of the abrasive from the wheel and also for controlling the amount of abrasive emitted from the wheel. The latter device consists of a conventional control cage and an impeller for forcing abrasive out of said cage and onto the inner ends of the abrasive-throwing blades. His blades, however, are not substantially straight and do not have surfaces being substantially smooth and uninterrupted. On the contrary, the channel-forming surfaces of the blades of Peik describe continuous, uniform curves except at a point near the periphery of the wheel, where the channel makes an abrupt right angle turn which extends forwardly and outwardly to the periphery of the wheel. It is at the point of the abrupt turn that the hardened wear plate is located. It is by reason of the aforesaid structure that appellant contends that Peik's device is inoperative insofar as the force of the wheel is lost by the abrupt change in the direction of the channel and that he loses control of the direction of the emission of the abrasive.

The Examiner rejected the claims at bar as being met by the patent to Peik in view of the patent to McPhee and any one of the patents to Beeg, Nehr, Young et al., and Weber et al. He stated that it

was his opinion that the use of Peik's directional control feeding means in wheels having straight blades such as those shown in the patents to Beeg, Nehr, and Weber et al., was so certain to follow Peik's disclosure of the directional control feeding means that no invention could be involved in the expedient of using the two old features together as applicant has done. He points out that the expedient of making elements subject to abrasive action hard so as to present a proper wear-resisting surface, and making such surface removable, was so common that, in view of McPhee's patent, no invention could possibly rest in using the Peik wheel. He pointed out that in the Beeg and Nehr devices the blades were spaced further apart at their outer ends than at their inner ends, which showing met certain limitations in the claims.

The Board of Appeals, after examining the said affidavits filed by appellant, had this to say:

> While the showing made may be sufficient to effectively dispose of the Peik patent when considered by itself, it is not at all conclusive as to the remaining art. Appellant is not the first to use a radially bladed impeller to which material is centrally supplied for abrading purposes. The patent to Nehr shows a rotary impeller to which abrasive is centrally fed having radial blades sufficiently spaced at their inner ends to provide for the feeding thereto of a large amount of abrasive material. We see no reason for believing that a machine constructed in accordance with the Nehr disclosure would not be capable of handling as large an amount of material as appellant's machine. Nehr, however, has no means for controlling the point of feed so that his device is in no sense directional. The discharge would obviously take place substantially equally in all directions. However, despite the apparent shortcomings of Peik with respect to the efficient use of the abrasive material, we think it fairly suggests the idea of controlling the point of discharge by the use of a cylindrical slotted feeder at the center of the rotating blades.

The Board concluded its decision affirming that of the Examiner by using the following language:

> In our opinion there would be no invention in using a feeder such as shown by the German patents with an impeller wheel such as shown by either Young et al. or Nehr.

It agreed with the Examiner as to his reasons for holding that the special limitations which appellant has not emphasized here did not lend patentability to the claims.

Although much is said in appellant's brief with respect to the Rosenberger invention being a success, while the invention of Peik was an utter failure, and was inoperative, we think that the Peik patent was a proper reference to be used for the purpose for which it was used by the Patent Office tribunals. There was nothing inoperative in the Peik disclosure with reference to controlling the point of discharge by the use of a cylindrical slotted feeder at the center of the rotating blades. It was not held by the Patent Office that Peik anticipated the claims nor was it held that any single reference referred to was anticipatory thereof. On the contrary, it was the position of the Board that it did not amount to invention to combine the controverted features of the prior art patents in the manner which the appellant has done.

There is no serious contention here (certainly none that is convincing) on the part of the appellant that the references do not disclose what the tribunals below have stated they disclose. Appellant argues, however, with great earnestness, that inasmuch as his device is a success as compared with the failure or near failure of the prior art devices, it should be held that invention was involved in the production of his device. So the old question recurs: May references be consolidated for the purpose of meeting a combination claim? This court and others have frequently held in cases quite similar to that at bar that such was a proper procedure. *In re Thornbery et al.*, 26 C. C. P. A. (Patents) 1160, 103 F.(2d) 387, 507 O. G. 778.

The question presented being one as to whether or not appellant's application discloses invention over the prior art, the appellant has called attention to the fact that under such circumstances it becomes a question of opinion and argues that the doubt should be resolved in favor of the applicant where he solves a problem which had long remained unsolved. Appellant cites cases where this rule has been applied, and unquestionably where doubt exists the force of the rule is controlling. We are called upon to determine whether the concurring tribunals below were in error in holding that it would not be inventive to combine the clearly disclosed prior art features in the manner in which appellant has done. We are constrained to hold, and do hold, that we have not been convinced that the Board of Appeals was in error in holding that to do what appellant has done did not involve invention.

[1] [2] Appellant argues that it is not proper to use an inoperative disclosure, such as he alleges that of Peik to be, in the manner in which the Board has used it. We think the rule relating to inoperativeness in reference disclosures has no application in the instant controversy, because, as before stated, there is no claim of inoperativeness growing out of the clearly disclosed feature for which the Peik patent was used. It is well settled, however, that an anticipating device disclosed in a reference need not be perfect or commercially successful under all circumstances in order to constitute a valid anticipating reference. See *In re Lawson*, 17 C. C. P. A. (Patents) 743, 36 F.(2d) 525, 393 O. G. 523, and cases cited. See also *In re Talley*, 53 App. D. C. 99, 288 Fed. 453, 313 O. G. 231.

[3] Appellant complains of the age of some of the references cited. Regardless of what has been said or may be said concerning the anticipatory force to be given to an old reference which is shown not to have solved an existing problem or not to have met with commercial success, it is clear to us that the mere fact alone that the reference is old does not prevent it from being properly used as a reference if the structure disclosed and relied upon is clearly and definitely shown.

[4] As above indicated, we must hold and do hold that we find no error in the decision of the Board affirming that of the Examiner in rejecting the three claims at bar, and appellant's motion to dismiss as to claims 36, 39, 40, and 41 being granted, the decision of the Board, affirming that of the Examiner, rejecting claims 37, 38, and 42 is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE ADAMS

No. 4,435. Decided February 24, 1941

[117 F.(2d) 1017]

1. APPLICATION — DISCLOSURE — CLAIMS COPIED FROM PATENT.

In regard to claims copied into an application from the patent of another, it is elementary that the applicant's disclosure must support the claims, and that where positive limitations are set out in the claims the applicant may not rely upon other patents or the knowledge of those skilled in the art to supply the omissions in his own disclosure.

2. SAME—SAME—SAME.

To read into an application, by implication, a description of the limitations set out in patented claims would encourage a practice of placing vague and indefinite statements in an application in the hope that the applicant might later get into interference with patents subsequently issued and claim to be the first inventor of an invention of which he had no conception when he filed his application.

APPEAL from Patent Office. Affirmed.

Messrs. Kwis, Hudson and Kent (*Mr. Watts T. Estabrook* and *Mr. James T. Hoffmann* of counsel) for Adams.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting claims 56, 57, and 58 of appellant's application for a patent upon the ground that said claims are not supported by the disclosure of the application. It does not appear that any claims have been allowed.

Claims 56 and 58 are illustrative of the subject matter involved and read as follows:

> 56. A rotary gear finishing tool comprising a rotary gear having teeth on the periphery thereof, the sides of said teeth having a plurality of substantially parallel serrations extending from the tops to the roots of said teeth forming cutting edges, the sides of said teeth intermediate said serrations forming guiding surfaces, the profile of said gear teeth being of substantially involute form modified therefrom by being hollow at and near the pitch line to an extent ranging from .0003 to .0015 inch to correct for the excess cutting and to provide the desired form of involute on the work gear when said cutter is rolled in mesh with a work gear and a relative feed movement is given parallel to the axis of the work gear.
>
> 58. A gear finishing tool comprising a rotary gear having a series of teeth adapted to mesh with a rotary gear to be finished, and to generate thereon a desired contour, serrations on said teeth providing alternate lands and grooves the edges of said lands providing cutting edges, the profile of said teeth being substantially conjugate to the desired profile on the teeth of the gear to be finished, but modified from the true conjugate by being slightly hollow adjacent the pitch line thereof.

It appears that the claims before us were not in appellant's application as filed, but were copied for purposes of interference from a patent to one Drummond, No. 2,126,178, August 9, 1938.

For the purposes of this appeal the involved invention is sufficiently set out in the claims.

The claims were rejected because of failure to disclose the limitation set forth in claim 57 as follows:

> • • • the profile of said teeth being of substantially involute form, but modified therefrom by being slightly hollow on the pitch line to correct for excess cutting, • • •.

Similar limitations are contained in the other claims.

The only portion of appellant's disclosure pointed out by him as supporting these elements of the claims reads as follows:

> • • • The tool and/or the teeth thereof may also be modified from the theoretically correct form to produce modified teeth and/or give a localized bearing.

The patent to Candee, 1,772,585, August 12, 1930, is relied upon by appellant to establish that the term "localized bearing," as used in appellant's specification, has a definite meaning in the practical art. However, appellant's specification makes no reference to the Candee patent.

It is appellant's contention that the hollowing of the teeth is the obvious, if not the only way of producing a localized bearing with the set-up disclosed by appellant. We find nothing in the record to substantiate this contention.

[1] It is elementary that appellant's disclosure must support the claims, and that where positive limitations are set out in the claims he may not rely upon other patents or the knowledge of those skilled in the art to supply the omissions in his own disclosure.

It is clear to us that if appellant, at the time his application was filed, had a conception of the invention embraced in the claims he would have made some attempt to describe it in "full, clear, concise, and exact terms," as the statute requires. This he failed to do.

[2] To now read into his application, by implication, a description of the limitations set out in the claims would not only be in violation of well-established rules of patent law, but would encourage a practice of placing vague and indefinite statements in an application in the hope that the applicant might later get into interference with patents subsequently issued and claim to be the first inventor of an invention of which he had no conception when he filed his application.

It is too clear for argument that appellant's disclosure does not support the claims before us.

We shall conclude with one further observation. Appellant's brief repeatedly states that the Board of Appeals held, in effect, that the only ground of rejection of the claims was that his application did not support the functional statement "to correct for excess cutting." To show how inaccurate this statement is we quote the last paragraph of the Board's decision, as follows:

> The claims have no definite meaning as based on applicant's specification. Claim 58 is the broadest claim but still contains the limitation as to the teeth being slightly hollow adjacent the pitch line. The statement quoted from the specification indicates that the tool or teeth may be modified but how either is to be modified is not stated. Nothing is said of involute form or hollowing out to correct for excess cutting.

The decision appealed from is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,247,540, 1,247,542, Re. 15,140 (of 1,247,543), 1,286,017, 1,341,561, W. Jones, Purification of sewage and analogous liquids; 1,282,587, same, Apparatus for

purification of sewage and analogous liquids, D. C., W. D. N. Y., Doc. 1881, *Activated Sludge, Inc.* v. *The Carborundum Co.* Dismissed for lack of prosecution, without prejudice, Mar. 11, 1941.

1,247,542. (See 1,247,540.) 1,247,543. (See 1,247,540.)

1,282,587. (See 1,247,540.) 1,286,017. (See 1,247,540.)

1,341,561. (See 1,247,540.)

1,717,221 (*a*), 2,176,075, B. B. Kahn, Stove; 1,786,429, same, Door; 2,055,246, W. T. Bradbury, Electric range, filed Mar. 14, 1941, D. C., S. D. Ohio, W. Div., Doc. 102, *The Estate Stove Co.* v. *General Electric Supply Corp. et al.*

1,717,221 (*b*), 2,176,075, B. B. Kahn, Stove; 1,786,429, same, Door; 2,055,246, W. T. Bradbury, Electric range; 2,079,618, Kahn & Hake, Stove; 2,123,699, same, same, filed Mar. 14, 1941, D. C., S. D. Ohio, W. Div., Doc. 103, *The Estate Stove Co.* v. *General Motors Corp. et al.*

1,753,156, Re. 18,109 (of 1,753,157), G. E. Otis, Heating and ventilating apparatus; 1,913,681, same, Method of heating and ventilating, filed Mar. 14, 1941, D. C., N. D. Ind. (South Bend), Doc. 233, *The Herman Nelson Corp.* v. *The New York Blower Co.*

1,753,157. (See 1,753,156.)

1,769,611, H. Warp, Waterproof fabric and method of making same; T. M. 206,256, Flex-O-Glass Mfg. Co., Transparent waterproof oiled cloth for covering tents, porches, etc., D. C., N. D. Ill., E. Div., Doc. 964, *Flex-O-Glass Mfg. Co.* v. *Sol-O-Lite Mfg. Co.* Dismissed for want of equity Feb. 20, 1941.

1,786,429. (See 1,717,221 (*a*) and (*b*).)

1,800,522, J. M. Gladish, Tufting attachment mechanism for sewing machines, filed Nov. 22, 1940, D. C., E. D. Tenn., S. Div., Doc. 206, *Carter Bros., Inc.*, v. *M. W. Cannon & Co.*

1,816,022. (See 1,962,254.)

1,833,846. (See Re. 19,788.)

1,854,552, M. M. Leftwich, Method of setting rules for printing; 1,963,411, same, Plate for line printing and method of producing same, D. C., N. D. Ill., E. Div., Doc. 1450, *M. M. Leftwich* v. *Universal Rule Form Co.* Consent decree holding patents valid Jan. 13, 1941.

1,885,841. (See 2,090,672.)

1,891,308, 1,909,346, H. F. Gruman, Combined seaming and pinking machine, C. C. A., 2d Cir., Doc. —, *Lewis Invisible Stitch Machine Co.* v. *Popper Machine Co.* Decree affirmed (notice March 10, 1941).

1,891,728. (See Re. 19,778.)

1,905,091, P. J. Hanson, Combined harvester, thresher, and separator; 1,972,031, T. N. Pierson, Straw retarder, filed Mar. 22, 1941, D. C. Mo. (Kansas City), Doc. 822, *Gleaner Harvester Corp.* v. *J. I. Case Co.*

1,909,346. (See 1,891,308.) 1,913,681. (See 1,753,156.)

1,938,092, 2,002,844, Amy & Aceves, Radio receiving system; Re. 19,854, same, Duplex radio aerial system, D. C., S. D. N. Y., Doc. E 87/113, *Amy, Aceves & King, Inc.*, v. *Birnbach Radio Co., Inc.* Judgment (notice Mar. 17, 1941).

1,926,254, W. L. Morris, Lubricant nipple; Re. 18,278, Re. 18,123, 1,816,022, same, Grease feeder; 2,005,556, C. W. Parker, Coupling means for lubricating systems; Re. 20,385, C. F. Goddard, Grease gun, D. C., N. D. Ill., E. Div., Doc. 1648, *The Lubrication Corp.* v. *Stewart-Warner Corp.* On motion of plaintiff cause dismissed Jan. 27, 1941.

1,963,411. (See 1,854,552.) 1,972,031. (See 1,905,091.)

2,002,844. (See 1,938,092.) 2,005,556. (See 1,962,254.)

2,007,988, J. R. Thomas, Davenport bed; 2,197,735, same, Convertible seat, D. C., N. D. Ill., E. Div., Doc. 1624, *J. R. Thomas et al.* v. *The Simmons Co.* Claims 1, 9, 10, 11, 12, 14, 15, and 17 of 2,007,988, and claims 21 and 22 of 2,197,735 held not infringed, bill dismissed Feb. 3, 1941.

2,055,246. (See 1,712,221 (*a*) and (*b*).)

2,070,399, T. H. Goldring, Container and carrier for bottled goods; 2,094,744, C. D. Keith, Bottle carrier, (declaratory judgment), D. C., S. D. N. Y., Doc 1/76, *O. Y. Warren* v. *C. D. Keith.* Consent order of discontinuance Mar. 19, 1941.

2,077,757, J. G. Jackson, Baking pan and material; Des. 108,140, Des. 108,141, same, Baking pan; Des. 108,573, same, Sheet metal for making baking receptacles, filed Feb. 21, 1941, D. C., N. D. Ill., E. Div., Doc. 2647, *Chicago Metallic Mfg. Co.* v. *Edward Katzinger Co.*

2,078,790, E. H. Bucy, Offset process; 2,110,052, J. A. Paasche, Spray treating apparatus; 2,114,723, same, Surface treating apparatus, D. C., N. D. Ill., E. Div., Doc. 146, *J. A. Paasche et al.* v. *Superior Spray & Liquid Co. et al.* Dismissed as to 2,078,790; 2,110,052 and 2,114,723 held valid and infringed; injunction Nov. 8, 1940.

2,079,618. (See 1,717,221 (*b*).)

2,090,672, M. H. Goldberg, Sign projection apparatus; Des. 105,948, same, Projector; 1,885,841, P. Krupnik, Sign projection apparatus; 2,208,944, same, Projection apparatus, D. C., N. D. Ill., E. Div., Doc. 427, *I. J. London et al.* v. *Trav-L-Sign, Inc.* Consent decree, injunction Mar. 6, 1941.

2,094,744. (See 2,070,399.)

2,107,449, H. J. Marlowe, Exercising machine; 2,173,691, same, Exercising toy, filed Mar. 10, 1941, D. C., E. D. Pa., Doc. 1420, *Exercycle Corp. et al.* v. *Slimachine Co. et al.*

2,110,052. (See 2,078,790.) 2,114,723. (See 2,078,790.)

2,123,699. (See 1,717,221 (*b*).)

2,145,949, T. Obszarny, Plug and jack structure; 2,157,428, same, Plug and jack construction, D. C., N. D. Ill., E. Div., Doc. 1452, *Guardian Electric Mfg. Co.* v. *Stoner Mfg. Co.* Claims 2 and 6 of 2,157,428 held invalid; bill dismissed for want of equity Mar. 3, 1941. Dismissed by stipulation as to 2,145,949 Feb. 7, 1941.

2,150,891, J. D. Tennison, Termite shield, filed (notice Apr. 3, 1941), D. C., District of Columbia, Doc. 10836, *J. D. Tennison* v. *Timber Engineering Co., Inc.*

2,157,428. (See 2,145,949.) 2,173,691. (See 2,107,449.)

2,176,075. (See 1,717,221 (*a*) and (*b*).)

2,197,735. (See 2,007,988.) 2,208,944. (See 2,090,672.)

Re. 15,140. (See 1,247,540.)

Re. 18,109. (See 1,753,156.)

Re. 18,123. (See 1,962,254.)

Re. 18,278. (See 1,962,254.)

Re. 19,778, T. J. Litle, Jr., Method of making evaporators; 1,833,846, A. W. Mellowes, Air cooling and water freezing evaporator for mechanical refrigerating apparatus; 1,891,728, J. R. Replogle, Refrigerator unit, D. C. Pa. (Philadelphia), Doc. 576, *Nash-Kelvinator Corp.* v. *Philco Radio & Television Corp.* Dismissed without prejudice Mar. 20, 1941.

Re. 19,854. (See 1,938,092.)

Re. 20,385. (See 1,962,254.)

Re. 21,274, J. A. Orr, Electric cutter and trimmer; Re. 21,289, same, Grass cutter and hedge trimmer, D. C., N. D. Ill., E. Div., Doc. 1248, *J. A. Orr* v. *Skilsaw, Inc.* Dismissed for want of equity Feb. 4, 1941.

Re. 21,289. (See Re. 21,274.)

Des. 105,948. (See 2,090,672.)

Des. 108,140. (See 2,077,757.)

Des. 108,141. (See 2,077,757.)

Des. 108,573. (See 2,077,757.)

Des. 111,370, Des. 111,401, Des. 111,402, Des. 111,413, Des. 111,423, Des. 111,426, Des. 111,456, G. F. Erhard, Curtain, D. C., S. D. N. Y., Doc. 4/308, *G. F. Erhard et al.* v. *Sidney S. Anhalt & Co.* Judgment (notice Mar. 17, 1941).

Des. 111,401. (See Des. 111,370.)

Des. 111,402. (See Des. 111,370.)

Des. 111,413. (See Des. 111,370.)

Des. 111,423. (See Des. 111,370.)

Des. 111,426. (See Des. 111,370.)

Des. 111,456. (See Des. 111,370.)

Des. 124,903, Des. 125,736, S. Novak, Dress ensemble, filed Mar. 19, 1941, D. C., S. D. N. Y., Doc. 13/274, *Flora Dress Co.* v. *Courtney, Inc., et al.*

Des. 125,540, Des. 125,542, L. Friedman, Handbag, filed Mar. 20, 1941, D. C., S. D. N. Y., Doc. 13/277, *Gold Seal Importers, Inc.*, v. *Morris White Fashions, Inc.*

Des. 125,542. (See Des. 125,540.)

Des. 125,736. (See Des. 124,903.)

T. M. 141,813, T. M. 314,945, Taylor Instrument Co., Measuring and scientific appliances; T. M. 313,523, same, Prints and publications, filed Feb. 18, 1941, D. C., N. D. Ill., E. Div., Doc. 2639, *Taylor Instrument Co.* v. *Fawley-Brost Co.*

T. M. 206,256. (See 1,769,611.)

T. M. 313,523. (See T. M. 141,813.)

T. M. 314,945. (See T. M. 141,813.)

Changes in Classification

Order No. 3,554, May 8, 1941, directs:

In *class 226, Filling and Closing Portable Receptacles* (Division 35), abolish the following subclass with its definition:

With fluent materials
Special types

39 Special receptacle.

The patents formerly contained in this subclass have been placed for the most part in class 226, subclass 19, and in subclass 39.6, established in this order.

In *class 226, Filling and Closing Portable Receptacles* (Division 35), all subclasses, heretofore indented under subclass 39 (above abolished), i. e., subclasses 40 and indented subclass, 42, 43 and indented subclasses, 47 and indented subclasses, and 62 to 65, should be moved forward one space to be indented under subclass 19 and coordinate with subclass 20.

In *class 226, Filling and Closing Portable Receptacles* (Division 35), establish the following subclass and definition:

With fluent materials
Special types

39.6 Battery grid or electrode.

39.6. Apparatus and mechanical methods for filling battery grids or electrodes with fluent material.

Note.—See class 136, BATTERIES, subclass 67, for methods of filling other than mere mechanical methods.

The patents contained in this subclass have been taken from class 226, subclass 39, abolished in this order.

In *class 26, Textiles; Cloth Finishing* (Division 21), subclass 68, note (2), in the reference to class 34, Drying and Gas or Vapor Contact with Solids, after "means" insert (*including means to adjust the size of a fabric carrying frame*).

In *class 29, Metal Working* (Division 20), subclass 88.2, add the following note:

Note.—For mere grapples of the hand and hoist line implement type, see class 294, HANDLING, HAND AND HOIST LINE IMPLEMENTS, subclass 86 and indented subclasses.

In *class 34, Drying and Gas or Vapor Contact with Solids* (Division 49), main class definition, note (2), in the reference to class 26, Textiles, Cloth Finishing, after "means" insert (*including means to adjust the size of a fabric carrying frame*).

In *class 136, Batteries* (Division 60), main class definition, under "Search classes" in the reference to class 226 before "methods" insert *mechanical*, and at the end of the reference add *particularly subclass 39.6, for battery grid or electrode filling;* in subclass 67 in the reference to class 226 after "Receptacles" insert *subclass 39.6;* and in subclass 162 in note (2) change "39" to *19.*

In *class 211, Supports, Racks* (Division 8), subclass 178, number the existing note (*1*) and add:

(1) Note.—For other foldable and collapsible racks, see this class, subclasses 21, 38, 85, 93, 104, 105, 118, 130, 132, 142, 149, and 167.

In *class 220, Metallic Receptacles* (Division 40), subclass 32, cancel the note.

In *class 240, Illumination* (Division 30), subclass 25, add the following to the note:

43—FISHING, TRAPPING AND VERMIN DESTROYING, subclass 113.

In *class 280, Land Vehicles* (Division 10), main class definition, note (4) in the reference to class 105 cancel "and 208, Velocipedes," and "or land."

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,123,062, F. G. Pellett, Abradant, decided April 29, 1941, claims 1 and 2.

Pat. 2,188,059, E. Norrman and M. B. Landers, Apparatus for timing watches, decided May 1, 1941, claims 5 and 6.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING APRIL, 1941

EX PARTE FRANK R. JELLEFF, INC., Serial No. 415,164.

In a decision rendered April 4, 1941 (163 Ms. Dec. 728, 49 U. S. P. Q. 206), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Marks refusing registration to Frank R. Jelleff, Inc., of Washington, D. C., of a mark consisting of the words "Shoreham Youthful Footwear" for women's and misses' shoes, the words "Youthful Footwear" being disclaimed.

In refusing registration the Examiner relied upon the decision in the case of *Ex parte Shoreham Coffee Company*, 483 O. G. 726, 35 U. S. P. Q. 35, in which "Shoreham" was held to be geographical as used in the mark "Shoreham Club" applied to whiskey.

Before the Assistant Commissioner the applicant argued that because the word "Shoreham" is the name of many well known hotels throughout the United States, the word is not merely geographical and is therefore not precluded from registration under the act of February 20, 1905.

In response to this argument the Assistant Commissioner said:

"The authorities cited by applicant, as well as applicant's arguments, have been carefully considered. Nevertheless, although the word 'Shoreham' might indicate to many people the name of one or more of the hotels having that name, and be suggestive of the type of patronage enjoyed by those hotels, the word is the name of certain towns and, in my opinion, is primarily geographical, so that the decision in the Shoreham Coffee Company case, applies."

THE ENRO SHIRT COMPANY *v.* FREEDMAN-ROEDELHEIM COMPANY, Opposition No. 19,820.

In a decision rendered April 11, 1941 (163 Ms. Dec. 729, 49 U. S. P. Q. 326), in this opposition proceeding, wherein The Enro Shirt Company of Louisville, Ky., is the opposer and Freedman-Roedelheim Company, of Philadelphia, Pa., is the applicant, *First Assistant Commissioner Frazer* granted in part a petition by the applicant.

In his decision the First Assistant Commissioner pointed out that on January 22, 1941, following final hearing in this opposition proceeding, the Examiner of Trade-Mark Interferences granted a motion by applicant to strike opposer's brief on the ground that it was filed late; and further made the following ruling:

"The record fails to show that the opposer has complied with patent rule 162 relative to the testimony which it filed on July 29, 1940. Upon failure of the opposer to comply with this rule on or before February 1, 1941, no further consideration will be given to this testimony."

The First Assistant Commissioner stated that the applicant, on March 12, served and filed a motion for judgment on the record, no action having been taken by the opposer in response to the foregoing ruling of the Examiner up to that time. Thereupon, the First Assistant Commissioner said, the opposer filed a motion

"that the time noted in the Examiner's order of January 22, 1941, for compliance with rule 162, be extended to and including March 17, 1941."

which motion was supported by the sworn statement of the opposer's attorney that he did not receive the Examiner's action of January 22 and had no knowledge thereof until served with applicant's motion for judgment. At the same time opposer tendered its tardy compliance with rule 162.

The First Assistant Commissioner said that the Examiner in passing upon opposer's motion expressed the opinion that the case could be decided on the merits "without substantial hardship to the applicant," and ruled as follows:

"Accordingly, the printing of the testimony filed by the opposer is hereby dispensed with and the final hearing is reset for Friday, April 25, 1941, at 11 a. m., with the right of the applicant to file a brief in reply to that filed by the opposer on January 14, 1941. No further brief by the opposer is permitted."

Applicant petitioned, in effect, that this ruling of the Examiner be set aside, and that its motion for judgment be granted. Upon this petition the First Assistant Commissioner ruled as follows:

"Upon the showing made, I think the Examiner was warranted in extending opposer's time to comply with rule 162; and to that extent his action will be affirmed. That, however, was the only relief requested in opposer's motion. Opposer did not ask that its brief be reinstated, or that the case be reset for final hearing; nor did it offer any satisfactory explanation of its failure to file a brief within the time set. It did not resist applicant's motion to strike the brief. It was not represented at the final hearing of January 21, because opposer's counsel 'did not believe his presence there was necessary.' Whether an appearance would be made by opposer at a second final hearing seems highly doubtful; and to require applicant to appear again would, I think, entail 'substantial hardship.'

"In so far as it grants opposer's motion, as made, the Examiner's action is affirmed; and in all other respects it is reversed."

WILLIAM SANDERSON & SON, LIMITED, *v.* POPPER-MORSON CO., INC., Opposition No. 19,123.

In a decision rendered April 14, 1941 (163 Ms. Dec. 735, 49 U. S. P. Q. 327), *First Assistant Commissioner Frazer* denied the petition by Popper-Morson Co., Inc., of New York, N. Y., the applicant in this opposition proceeding wherein William Sanderson & Son, Limited, of Leith, Scotland, is the opposer, for a rehearing of a petition by the applicant, which was denied in a decision rendered March 14, 1941 (163 Ms. Dec. 711, 48 U. S. P. Q. 703.)

In his decision the First Assistant Commissioner said:

"The reason assigned for rehearing is that the decision in question is 'unfair,' because it does not set forth certain facts upon which petitioner's counsel relied, and now seems to consider of controlling importance. Counsel points out that his reliance upon the facts referred to would not be apparent to one reading the decision; which is probably true. In fairness to counsel reference is therefore made to a previously published decision, denying another petition in this same case, for a full recital of such facts. (163 Ms. Dec. 652, 47 U. S. P. Q. 520.) They were not overlooked in writing the decision here complained of; they were simply deemed to be immaterial to the question presented."

The body of the previously published decision so mentioned by the First Assistant Commissioner and rendered on December 12, 1940, reads as follows:

"Popper-Morson Co., Inc., whose application for registration of a trade-mark is involved in the above entitled opposition proceeding, petitions in effect that the Examiner of Interferences be directed to reconsider his decision and to state his reasons for sustaining the opposition.

"In the decision complained of the Examiner, having held applicant's mark to be nonregistrable under the act of February 20, 1905, upon an ex parte ground, sustained the opposition without discussion or the assignment of any reason. That, of course, was improper. Thereafter, however, in denying two petitions for rehearing, the Examiner sufficiently stated his reasons for sustaining the opposition; and it is my opinion that he thereby cured the impropriety of his original decision.

"The petition is denied."

EX PARTE RICE-O'NEILL SHOE COMPANY, Serial No. 424,315.

In a decision rendered April 16, 1941 (163 Ms. Dec. 735, 49 U. S. P. Q. 330), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks in refusing registration to Rice-O'Neill Shoe Company, of St. Louis, Mo., of a mark for shoes which was described in the brief on appeal as follows:

"Appellant's composite mark is composed of a pentagonal frame or border within which the notation 'Feather Step Arch by Rice-O'Neill,' together with the representation of a shoe, are arranged in a substantially vertical column. The word 'By' and the representation of the shoe are disclaimed apart from the mark shown."

Registration was refused in view of the trade-mark "Feather-Tread," previously registered for the same goods, the Examiner being of the opinion that the two marks are confusingly similar.

In his decision the First Assistant Commissioner stated:

"Applicant very properly argues that its mark may not be dissected for the purpose of comparison, but must be considered as a whole. So considered, however, I agree with the Examiner that the mark is dominated by the notation 'Feather Step,' and that such notation and 'Feather-Tread' are too nearly alike in sound, appearance and significance to be used upon identical merchandise of the character here involved without likelihood of confusion."

THE AUGUST WAGNER & SONS BREWING COMPANY *v.* JOS. WAGNER BIERBRAUEREI ZUM AUGUSTINER, Trade-Mark Interference No. 2192.

In a decision rendered April 16, 1941 (163 Ms. Dec. 732, 49 U. S. P. Q. 328), in this interference, wherein The August Wagner & Sons Brewing Company, of Columbus, Ohio, is the junior party and Jos. Wagner Bierbrauerei zum Augustiner, of Munich, Germany, is the senior party, *Assistant Commissioner Van Arsdale* granted in part a motion by the junior party to strike and denied it in part. He granted the motion in so far as it sought the striking of the document marked "Enclosure A" and submitted by the senior party with its brief on appeal and which, in that brief, was stated to consist of photostatic copies of pages from the account books of the senior party concerning purported shipments of goods. This document, he ruled, was clearly improper as a part of the senior party's brief.

He denied the motion in so far as it sought the striking of a reference to that enclosure in the senior party's brief. This reference, he said, appeared to be innocuous when said "Enclosure A" was stricken.

THE AUGUST WAGNER & SONS BREWING COMPANY *v.* JOS. WAGNER BIERBRAUEREI ZUM AUGUSTINER, Trade-Mark Interference No. 2192.

In a decision rendered April 16, 1941 (163 Ms. Dec. 733, 49 U. S. P. Q. 328), *Assistant Commissioner Van Arsdale* affirmed the decision of the Examiner of Trade-Mark Interferences adjudging Jos. Wagner Bierbrauerei zum Augustiner, of Munich, Germany, the senior party, entitled to registration of its two marks and adjudging The August Wagner & Sons Brewing Company, of Columbus, Ohio, the junior party, not entitled to registration of its mark.

He pointed out that the marks of the parties interfere by reason of their similarity in featuring the name "Augustiner," and are used on beer and similar products.

The main question in this case, he indicated, was whether the senior party had abandoned its marks; it appeared that said party had used its marks on beer in commerce between Germany and the United States prior to any use by the junior party of its interfering mark. In deciding that the senior party had not abandoned its marks, the Assistant Commissioner stated:

"The senior party is a German concern having a brewery in Munich, Germany, and the record is clear that this concern exported beer to the United States in substantial quantities under the trade-marks in issue from as early as the year 1886 to at least September 30, 1907, and again from March 31, 1933, on.

"The junior party began the use of its mark on beer in 1907 or 1908 and its use of the mark on beer and similar products has been continuous ever since.

"The senior party's witness Luckner testified that of his own knowledge the exporting of the beer to the United States by the senior party was continuous to April 2, 1913. To refresh his recollection he personally examined the books of the company and made a list of shipments from the books. This list was submitted in evidence and was objected to on the ground that it was secondary evidence and incompetent. The Examiner of Interferences held, and I think correctly, that the objection was well taken. However, the list does have a bearing on how the witness refreshed his recollection as to the matter he testified to as being of his own knowledge. This witness also, at request of counsel for the junior party on cross-examination, produced from the records of the senior party certain letters and telegrams dating from October 31, 1911, to February 21, 1913, and having to do with the exporting of the beer to William C. Beutel in New York. All these letters and telegrams are addressed to the senior party. As is pointed out by the junior party these documents were not properly proven and therefore may not be considered as proofs of anything other than that they came from the records of the senior party. However, regardless of whether the record is such that actual export of beer to the United States between September 30, 1907, and February 21, 1913, has been proved or not, it seems to me the record is adequate to negative any intent on the part of the senior party to abandon the marks for commerce with the United States prior to February 21, 1913.

"The senior party's record is absolutely silent as to any activity whatsoever with regard to its exporting beer to the United States from 1913 until March 31, 1933, at which time the senior party resumed exporting its beer to the United States under the trade-marks. The junior party contends that abandonment of the marks by the senior party for United States trade and commerce is established because the senior party has

proved no such use of the marks for the period between September 1907 and March 31, 1933. The question, however, is: Should intent to abandon the marks be inferred or not? In *Baglin etc. v. Cusenier Company*, 221 U. S. 580, 169 O. G. 449, 1911 C. D. 552, the Court said:

"'But the loss of the right of property in trade-marks upon the ground of abandonment is not to be viewed as a penalty either for non-user or for the creation and use of new devices. There must be found an intent to abandon, or the property is not lost; and while, of course, as in other cases, intent may be inferred when the facts are shown, yet the facts must be adequate to support the finding.'

"This non-use of the marks and the failure of the senior party to raise any objection or to take any action until 1933 with respect to the use of the interfering mark by the junior party are the only facts from which intent to abandon the marks could be inferred. On the other hand, although there is no actual denial by any witness that abandonment of the marks was intended, the senior party all through this period continued to do business under the marks in other countries and actually did resume export to the United States in 1933, and there is no showing that the senior party was aware of the use of the interfering mark by the junior party during the perior of non-use by the senior party in commerce with the United States.

"The senior party also asserts that because of the first World War and the National Prohibition Act no intention to abandon the marks can be inferred properly from the period of non-use between the outbreak of the war in August, 1914, and the date of partial repeal of the prohibition act effective March 22, 1933, to permit the sale of beer. However, it is not stated by any witness of the senior party what effect, if any, the war or the prohibition act had on the intention of the senior party to abandon or not to abandon the marks for the United States trade.

"In my opinion the non-use by the senior party of its marks in commerce with the United States does not, by itself, constitute adequate proof of intent by the senior party to abandon the marks, particularly as the senior party never discontinued the use of the marks on the same goods in Germany, has not been shown to have had any knowledge of the intervening use of the interfering mark by the junior party, appears to have been precluded from shipping beer into the United States between at least from the time of the entry of the United States into the first World War in 1917 until modification of repeal in 1933, and has resumed its trade with the United States market in the same goods as before under the same marks before the junior party applied for the registration involved herein."

EX PARTE COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, Serial Nos. 407,364 and 407,365.

In a decision rendered April 17, 1941 (163 Ms. Dec. 737, 49 U. S. P. Q. 331), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks in refusing registration to the Colt's Patent Fire Arms Manufacturing Company, of Hartford, Conn., of two marks for automatic pistols, one of the marks being the notation "Match Target," and the other being the same notation in association with the representation of a target.

Registration was refused by the Examiner on the ground that each mark

"is so conventionally descriptive that it does not function as a trade-mark but merely designates the type of goods to which it is applied."

The Examiner pointed out that target pistols are well known and that when used for match shooting such pistols would normally be referred to as match target pistols.

In agreeing with the Examiner that the alleged trade-marks sought to be registered are descriptive, the First Assistant Commissioner said:

"In support of his ruling the Examiner cites *In re Brunswick-Balke-Collender Co.*, 19 C. C. P. A. 1055, 56 Fed.(2d) 890, where the Court of Customs and Patent Appeals held the word 'League' to be 'clearly either descriptive or misdescriptive' of bowling pins, and hence nonregistrable as a trade-mark for such goods. A more recent case, and one perhaps more nearly in point, is *In re Hair Net Packers, Inc.*, 115 Fed.(2d) 254, 47 U. S. P. Q. 270, where the same court affirmed the Patent Office in refusing to register the word 'Professional' as a trade-mark for hair curlers, because the mark indicated that the goods were designed for use in a particular filed, and was thus 'clearly descriptive within the meaning of the statute.'"

J. A. DOUGHERTY'S SONS, INCORPORATED, DISTILLERS *v.* KASKO DISTILLERS PRODUCTS CORP., Cancellation No. 3561.

On April 17, 1941 (163 Ms. Dec. 736, 49 U. S. P. Q. 331), *First Assistant Commissioner Frazer* rendered the following decision in this cancellation proceeding, which involved J. A. Dougherty's Sons, Incorporated, Distillers, of Philadelphia, Pa., and Kasko Distillers Products Corp., also of Philadelphia, Pa., and where the mark of the latter corporation sought to be cancelled was the words "Country Gentleman":

"In the above entitled proceeding the Examiner of Interferences sustained the petition of J. A. Dougherty's Sons, Incorporated, Distillers, to cancel trade-mark registration No. 325,172, issued June 11, 1935, to Kasko Distillers Products Corp. Kasko Distillers Products Corp. appealed from the Examiner's decision, but did not file a brief nor make an appearance for oral argument on appeal. An inspection of the record discloses no manifest error in the decision of the Examiner of Interferences, and said decision is accordingly affirmed."

EX PARTE PABST-ETT CORPORATION, Serial No. 414,797.

In a decision rendered April 17, 1941 (163 Ms. Dec. 736, 49 U. S. P. Q. 331), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Marks in refusing registration, under the provisions of the act of February 20, 1905, to Pabst-Ett Corporation, of Chicago, Ill., of the word "Nippy," as a trade-mark for cheese and cheese spread.

The Examiner held that the mark is descriptive of the goods.

In his decision the First Assistant Commissioner stated:

"The present applicant was the opposer in the case of *Pabst-Ett Corporation v. Dr. W. J. Ross Co.*, 515 O. G. 840, 45 U. S. P. Q. 532, where it relied upon the same mark now sought to be registered. I dismissed the opposition on the ground that the goods of the parties there involved were of different descriptive properties, and in the course of my decision said:

"'I agree with counsel for applicant that the mark is purely descriptive of opposer's goods. In fact "nip" is defined in Webster's New International Dictionary as "a tang or bite in cheese."'

"I have given careful consideration to applicant's argument to the contrary, but I am still of the opinion that the mark is merely descriptive of the goods to which it is appropriated."

MCNAMARA PAINT PRODUCTS COMPANY, INC., *v.* MICHAEL MCNAMARA VARNISH WORKS, INC., Cancellation No. 3288.

In a decision rendered April 24, 1941 (163 Ms. Dec. 738, 49 U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the petition by McNamara Paint Products Company, Inc., of Detroit, Mich., to cancel trade-mark registration No. 350,064, issued September 14, 1937, to Michael McNamara Varnish Works, Inc., also of Detroit, Mich.

The registered mark is the name "McNamara" and the registration was issued under the ten-year proviso of section 5 of the act of February 20, 1905. As noted by the First Assistant Commissioner the registrant, in its application for registration, claimed use of the mark since 1882, and that such use had been exclusive

"by the applicant and the applicant's predecessors from whom the title was derived for ten years next preceding February 20, 1905."

The First Assistant Commissioner ruled that the petitioner had not only failed to overcome the prima facie evidence of registrant's ownership of the registered mark but, regardless of such ownership, had failed to allege or prove facts showing that it was damaged by reason of the registration. He stated:

"It is somewhat difficult to comprehend petitioner's theory of the case. The facts pleaded in the petition are clearly insufficient to support a judgment in petitioner's favor, and had respondent moved to dismiss such motion would necessarily have been granted. Instead respondent answered, and petitioner took testimony. Most of the latter was devoted to proof of matters relating to certain bankruptcy proceedings involving one of respondent's alleged predecessors, and to a suit between the parties to the instant proceeding wherein a final decree has been entered which by its express terms 'in no manner passes upon or adjudicates or determines the right of either party to use the name "McNamara" by virtue of any trade-mark rights.' An attempt was made to prove non-use of the name as a trade-mark during the critical ten-year period, but the evidence in that regard does not support petitioner's contention. It consists in the unsupported testimony of a single witness, who was not old enough at the time in question to have had personal knowledge of the facts."

"Respondent took no testimony, but relied upon the prima facie evidence of ownership of its registered trade-mark afforded by section 16 of the act. In view of petitioner's record respondent was amply justified in adopting that course, because, as pointed out by the Court of Customs and Patent Appeals in *Maatschappij tot Exploitatie Van Rademaker's Koninklijke Cacao & Chocolade Fabrieken v. Rademaker*, 17 C. C. P. A. 1260, 41 Fed.(2d) 406:

"'Registration of a trade-mark under the "10 years" proviso of the Trade-Mark Act of February 20, 1905, makes a prima facie case of ownership, and the registrant is entitled to be protected in its use of such mark. In a proceeding for the cancellation of such registered mark, the petitioner has the burden of proof.'"

SPORTING ARMS AND AMMUNITION MANUFACTURERS' INSTITUTE *v.* ROUTLEDGE MFG. CO., Opposition No. 19,180.

In a decision rendered April 29, 1941 (163 Ms. Dec. 739, 49 U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the petition by Sporting Arms and Ammunition Manufacturers' Institute, of New York, N. Y., to the application of Routledge Mfg. Co., of Monroe, Mich., for the registration of a trade-mark appropriated to goods described in the application as a "markmanship practice game and the various apparatus therefor." Applicant's mark is the notation "Mo-Skeet-O," the letter "o" in each occurrence being replaced by the representation of a bull's-eye.

The Examiner of Interferences was of the opinion that the word "Skeet" is descriptive of applicant's goods, and refused registration in the absence of an appropriate disclaimer. Applicant accordingly filed an amendment, which will be entered by the Examiner of Trade-Marks before the registration issues, disclaiming "the right to exclusive use apart from the other features of the mark, of the word 'Skeet.'"

The First Assistant Commissioner noted that the opposer is not itself engaged in the manufacture or sale of any kind of merchandise. He stated:

"Opposer, according to the notice of opposition, 'is an unincorporated nonprofit association composed of nearly all of the manufacturers of sporting arms and ammunition in the United States, whose functions are to promote and protect the interests of the industry, to promote rifle practice and shotgun shooting, as well as safety protection of manufacturers in the making of firearms and the conservation of game.' As stated in opposer's brief:

"'These member companies manufacture sporting arms, ammunition and accessories therefor. Some of the companies make powder that is used by the other companies in the manufacture of shells that the latter produce, and some of the companies also make and sell guns and other equipment, all of which is employed in skeet shooting.'"

The First Assistant Commissioner also noted that the opposer did not claim that it would be damaged by the registration of applicant's mark and that the only allegation with respect to damage is set forth in the notice of opposition as follows:

"Registration of the word 'Mo-Skeet-O' under the Trade-Mark Act of February 20, 1905, will give the applicant prima facie right to the exclusive use of the word 'Skeet' in respect of markmanship practice game and the various apparatus therefor, and will enable the applicant to harass and annoy members of opponent institute and their customers in the legitimate use of that word to describe a particular type of shotgun and equipment of their manufacture, and will also interfere with the use of the word by all others who are obliged and entitled to use it."

In conclusion the First Assistant Commissioner said:

"While I agree with the Examiner of Interferences, who held in effect that opposer has no standing to maintain the instant proceeding, I am also of the opinion that applicant's disclaimer of the word 'Skeet' will protect opposer's members from any damage that otherwise may have resulted from the proposed registration."

GOLDEN RULE, INC., *v.* GENERAL WOOD PRODUCTS CO., Opposition No. 18,948.

In a decision rendered April 29, 1941 (163 Ms. Dec. 741, 49 U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition of Golden Rule, Inc., of Columbus, Ohio, to the application of General Wood Products Co., of Rockford, Ill., for registration of a trade-mark comprising the notations "The Golden Rule Line," and "A True Measure of Value" in association with the representation of a ruler, for goods described as

"wall shelves and cabinets, bookcases, chests of drawers, breakfast trays, serving trays, serving tray stands, kitchen and bath stools, card tables, kitchen tables, occasional tables, picnic and beach tables, vanity tables, smoking stands, back rests, shoe shine boxes, and newspaper racks."

Applicant claimed use since April, 1932.

Opposer pleaded its ownership of several registrations of a mark alleged to be appropriated to goods of the same descriptive properties as those of applicant, and to be confusingly simulated by the mark sought to be registered. The Examiner overruled this ground of opposition, because he was of the opinion that none of the goods for which opposer's mark is registered possess the same descriptive properties as applicant's goods. The Examiner sustained the opposition, however, on the

ground that applicant's mark constitutes an appropriation of opposer's corporate name.

The First Assistant Commissioner disagreed with the Examiner with respect to both rulings by the latter but nevertheless sustained the opposition. He said:

"Within the meaning of the statute 'Golden Rule' is doubtless opposer's name, but it is only a part of applicant's composite mark, and I do not think the mark may properly be said to consist merely in the name. The trade-mark relied upon by opposer, however, is in my opinion a bar to the proposed registration. Opposer's mark, like applicant's, is composite, but is dominated, as is applicant's by the notation 'Golden Rule.' In other words, that is the feature of each mark that purchasers would be most likely to remember as indicating origin of the goods. *Frankfort Distilleries, Incorporated, v. Kasko Distillers Products Corporation*, 27 C. C. P. A. 1189, 111 Fed.(2d) 481.

"Opposer's mark was registered on August 10, 1926, for 'china dishes' and for 'etched glass and iridescent glass goblets and etched and iridescent sherbet glasses'; and on September 21, 1926, for 'nutcrackers, potato mashers, and lard and butter spades.' These goods and at least a portion of the goods with which applicant uses the mark of the instant application clearly belong to the same class of merchandise and have the same descriptive properties. This is obviously true, for example, as to applicant's breakfast trays and serving trays and opposer's china dishes and glassware. Such articles are so closely related in use that their concurrent sale under the trade-marks in question would seem reasonably likely to result in confusion."

EX PARTE GENERAL SHOE CORPORATION, Serial No. 432,250.

In a decision rendered April 29, 1941 (163 Ms. Dec. 743, 49 U. S. P. Q —), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Marks in refusing registration to the General Shoe Corporation, of Nashville, Tenn., of the notation "Woven-Aire," in the absence of an appropriate disclaimer of the word "Woven."

The Examiner held the word "Woven" to be descriptive of the goods set forth in the application; namely, "boots, shoes and slippers of leather, fabric or combinations thereof."

The First Assistant Commissioner stated:

"Were the mark applied to leather shoes only, I should be constrained to agree with applicant's counsel that the requirement for disclaimer was unwarranted; but clearly the word 'woven' is descriptive of fabric and of shoes made of such material. The mark as a whole is of course fanciful; but no mark is registrable under the act of February 20, 1905, which includes undisclaimed descriptive matter. *In re American Cyanamid & Chemical Corporation*, 26 C. C. P. A. 712, 99 Fed.(2d) 964."

JOHN DEWAR & SONS, LIMITED, *v.* CLUFF & PICKERING, LTD., Opposition No. 18,203.

In a decision rendered April 29, 1941 (163 Ms. Dec. 742, 49 U. S. P. Q. —), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition of John Dewar & Sons, Limited, of Perth, Scotland, to the application of Cluff & Pickering, Ltd., of New York, N. Y., for registration of the name "Queen Victoria," in association with a design, as a trade-mark for Scotch whisky.

Opposer relied upon its ownership of the trade-mark "The Victoria Vat," likewise appropriated to Scotch whisky, and registered before applicant's first use of its mark.

The First Assistant Commissioner stated:

"'Victoria' and 'Queen Victoria' have precisely the same significance, and as applied to whisky 'vat' is descriptive. It follows that 'Victoria' is the essential and predominant feature of each mark. Bearing in mind the character of the goods involved and the fact that they are identical, I cannot escape the conviction that confusion would inevitably result from their concurrent sale under these two trade-marks."

TRADE-MARKS

OFFICIAL GAZETTE, MAY 27, 1941

[VOL. 526. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 439,771. COOPERATIVE G. L. SOIL BUILDING SERVICE, INC., Ithaca, N. Y. Filed Jan. 18, 1941.

ZORBIT

FOR POULTRY LITTER.
Claims use since Dec. 13, 1940.

Ser. No. 442,014. L. A. SALOMON & BRO., New York, N. Y. Filed Mar. 27, 1941.

OZOTEX

FOR MINERAL WAX FOR INDUSTRIAL PURPOSES.
Claims use since Jan. 1, 1940.

Ser. No. 442,134. MITSUI & CO., LTD., New York, N. Y. Filed Mar. 31, 1941.

THREE SPEARS



FOR BRISTLES FOR THE MANUFACTURING OF BRUSHES OF ALL KINDS.
Claims use since Jan. 30, 1940.

Ser. No. 442,135. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Mar. 31, 1941.

STYRAMIC

FOR ARTIFICIAL RESINS OF HIGH DIELECTRIC STRENGTH IN THE FORM OF MOLDINGS, CASTINGS, SHEETS, RODS, TUBES, PLATES, AND PARTICULATE SOLIDS SUITABLE FOR MOLDING OR EXTRUDING.
Claims use since Mar. 20, 1941.

CLASS 2

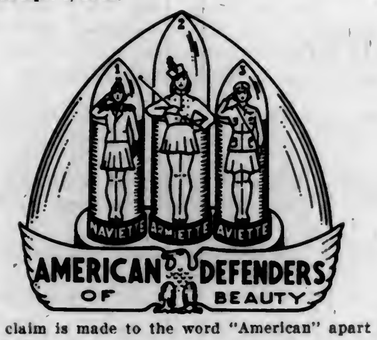
RECEPTACLES

Ser. No. 440,641. BESSIRE & COMPANY, INC., Indianapolis, Ind. Filed Feb. 14, 1941.

BESCO

FOR PAPER BOXES, PAPER CUPS, PAPER PLATES, AND PAPER CASES FOR PREPARED FOODS, SUCH AS SOUFFLE.
Claims use since Nov. 25, 1913.

Ser. No. 442,281. FRANK R. PRINA, New York, N. Y. Filed Apr. 4, 1941.



No claim is made to the word "American" apart from the mark.

FOR VANITY CASES FOR COSMETICS MADE OF NON-PRECIOUS METAL AND SOLD EMPTY.

Claims use since Mar. 22, 1941.

Ser. No. 442,504. UNION BAG & PAPER CORPORATION, New York, N. Y. Filed Apr. 11, 1941.



FOR PAPER BAGS.

Claims use since Apr. 1, 1941.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 436,531. WHEARY TRUNK COMPANY, Racine, Wis. Filed Sept. 30, 1940.

"The Colonel"

FOR HAND LUGGAGE AND TRUNKS.

Claims use since Aug. 15, 1940.

Ser. No. 436,532. WHEARY TRUNK COMPANY, Racine, Wis. Filed Sept. 30, 1940.

The Little Colonel

FOR HAND LUGGAGE AND TRUNKS.

Claims use since Aug. 15, 1940.

Ser. No. 440,480. WHEARY TRUNK COMPANY, Racine, Wis. Filed Feb. 8, 1941.

"Silver Stream"

FOR HAND LUGGAGE AND TRUNKS.

Claims use since Jan. 24, 1941.

Ser. No. 440,481. WHEARY TRUNK COMPANY, Racine, Wis. Filed Feb. 8, 1941.

"The Patriot"

FOR HAND LUGGAGE AND TRUNKS.

Claims use since Jan. 24, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 427,551. MONROE CHEMICAL COMPANY, Quincy, Ill. Filed Jan. 17, 1940.

De-luxe ALL FABRIC

Applicant disclaims the words "All Fabric" apart from the mark.

FOR DYES.

Claims use since Dec. 27, 1939.

Ser. No. 429,788. PETER L. RANCATTI, doing business as Mayon Products Co., North Adams, Mass. Filed Mar. 20, 1940.

MAYON

FOR COLD CREAM AND VANISHING CREAM.

Claims use since October, 1938.

Ser. No. 431,124. MARY CARTER MARBLE, doing business as Adrienne Carter, Washington, D. C. Filed Apr. 23, 1940.

Devotée

FOR COSMETIC CREAMS, COSMETIC LOTIONS, AND HAIR PREPARATIONS.

Claims use since Mar. 10, 1940.

Ser. No. 434,645. R. M. HOLLINGSHEAD CORP., Camden, N. J., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York. Filed Aug. 3, 1940.

Shulife

FOR SHOE DYE.

Claims use since Jan. 5, 1939.

Ser. No. 436,943. STA-RITE GINNIE-LOU, INC., Shelbyville, Ill. Filed Oct. 14, 1940.

STA-RITE NAILOID

FOR FINGERNAIL ENAMEL.

Claims use since October, 1940.

Ser. No. 437,502. LOWELL A. CHRISTMAN, doing business as The Associated Products Company, Columbus, Ohio. Filed Nov. 2, 1940.



The words "Spray" and "100% Permanent Moth-Proofing" are disclaimed.

FOR INSECTICIDE.

Claims use since June 1, 1940.

Ser. No. 438,034. CALIFORNIA TEXAS OIL COMPANY, LIMITED, New York, N. Y. Filed Nov. 19, 1940.

The drawing is lined for red.



FOR FLY SPRAYS AND WHITE OILS MEETING U. S. P. SPECIFICATIONS FOR LIGHT AND HEAVY LIQUID PETROLATUMS.

Claims use since July, 1937, for white oils; since January, 1938, for fly sprays.

Ser. No. 438,824. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa. Filed Dec. 13, 1940.

PONDITS

FOR PREWEIGHED UNITS OF SILVER PICRATE, SODIUM CHLORIDE, SULFANILAMIDE, AND CODEINE SULFATE OF SUCH DESIGN THAT THE UNIT IS CLEARLY DISTINGUISHABLE AS NOT FOR DOSAGE FORM.

Claims use since Dec. 3, 1940.

Ser. No. 439,448. SYNFLEUR SCIENTIFIC LABORATORIES, INC., Monticello, N. Y. Filed Jan. 6, 1941.



No claim is made to the term "Trade Mark" apart from the mark.

FOR CHEMICALS USED FOR IMPARTING ODOR OR COLOR TO PERFUMES OR PERFUMED PREPARATIONS.

Claims use since Jan. 1, 1905.

Ser. No. 439,798. OSCAR C. W. BORG, Long Beach, Calif. Filed Jan. 21, 1941.

O.C.W.Borg

The mark consists of a facsimile of applicant's signature.

FOR ASPIRIN TABLETS.

Claims use since Jan. 3, 1941.

Ser. No. 440,346. STANDARD CHEMICAL COMPANY, Natick, Mass. Filed Feb. 5, 1941.



FOR CHEMICAL COMPOSITION EFFECTIVE TO REDUCE THE VISCOSITY OF HEAVY OILS.

Claims use since Jan. 13, 1937.

Ser. No. 440,738. BINNEY & SMITH COMPANY, New York, N. Y. Filed Feb. 18, 1941.

CONDUCTEX

FOR SEMI-REINFORCING FURNACE BLACK SOLD TO THE RUBBER INDUSTRY.

Claims use since Feb. 10, 1941.

Ser. No. 440,943. M-DEX CORPORATION OF CALIFORNIA, Los Angeles, Calif. Filed Feb. 24, 1941.

M·DEX

FOR VOLATILE DILITANT AND ANTI-SPASMODIC PREPARATION FOR USE DURING MENSTRUAL PERIOD.

Claims use since December, 1939.

Ser. No. 440,996. PRO-MEDICO LABORATORIES, INC., Brooklyn, N. Y. Filed Feb. 26, 1941.

PRO-MEDICO

The words "Pro" and "Medico" are disclaimed apart from the mark.

FOR AQUEOUS SOLUTIONS OF HYDROCHLORIC ACID, CONGO RED, BISMUTH SODIUM TARTRATE, CHLORBUTANOL, MANGANESE BUTYRATE, ADRENAL CORTEX EXTRACT, VITAMIN C, WHOLE GLAND EXTRACT, POSTERIOR PITUITARY SOLUTION, EPINEPHRINE HYDROCHLORIDE, FLUORESCIN, INDIGO CARMINE, MERCURY SUCCINIMIDE, COLLOIDAL MANGANESE HYDROXIDE, DEXTROSE, EMETINE HYDROCHLORIDE, EPHEDRINE HYDROCHLORIDE, EPHEDRINE SULPHATE, CALCIUM CHLORIDE, CALCIUM GLUCONATE, CALCIUM LACTATE, CICHOPHEN METHENAMINE, SODIUM SALICYLATE, SUCROSE, SODIUM THIOSULPHATE, STRONTIUM BROMIDE, SODIUM BICARBONATE, SODIUM BROMIDE, SODIUM CACODYLATE, SODIUM CITRATE, SODIUM GLYCEROPHOSPHATE, SODIUM IODIDE, PHENOLSULPHONTHALEIN, QUININE DIHYDROCHLORIDE, IRON CACODYLATE, MAGNESIUM SULPHATE, MERCURY OXYCYANIDE, METHENAMINE, HYSTIDINE MONOHYDROCHLORIDE, IRON ARSENITE, AMINOPHYLLIN AND BENZYL ALCOHOL, ANTERIOR PITUITARY EXTRACT AND CHLORBUTANOL, VITAMIN B_1 AND CHLORBUTANOL, VITAMIN B_1 AND IRON CACODYLATE, PROTEIN AND COLLOIDAL SULPHUR, DIAPHRAGMATIC MUSCLE EXTRACT, ANTERIOR PITUITARY EXTRACT AND OVARIAN WHOLE GLAND EXTRACT, CALCIUM GLUCONATE AND EPHEDRINE SULPHATE, ANHYDROUS DIBASIC SODIUM PHOSPHATE AND ANHYDROUS POTASSIUM BISULPHATE, IRON AND SODIUM CACODYLATE AND COLLOIDAL COPPER, LIVER EXTRACT AND CHLORBUTANOL, METHENAMINE AND MANDELIC ACID, IRON CACODYLATE AND SODIUM GLYCEROPHOSPHATE, SODIUM CACODYLATE AND FERRIC CHLORIDE, GONADOTROPIC HORMONE AND CHLORBUTANOL, CAFFEINE AND SODIUM BENZOATE, CALCIUM BROMIDE AND STRONTIUM BROMIDE, SODIUM NITRITE AND SODIUM CHLORIDE, STRONTIUM BROMIDE AND GLUCOSE, LIVER AND VITAMIN B_1, QUININE AND URETHANE, SODIUM IODIDE AND SODIUM SALICYLATE, SODIUM MORRHUATE AND BENZYL ALCOHOL, METHENAMINE AND SODIUM IODIDE, SODIUM GLYCEROPHOSPHATE AND STRYCHNINE CACODYLATE, DEFATTED MILK AND BENZYL ALCOHOL, PHYSIOLOGICAL SODIUM CHLORIDE, QUININE AND UREA HYDROCHLORIDE, IRON ARSENITE AND STRYCHNINE NITRATE, MILK PROTEIN AND CHLORBUTANOL, MILK PROTEIN AND MAGNESIUM BUTYRATE, IRON CACODYLATE AND SODIUM CACODYLATE, MANGANESE BUTYRATE AND FOREIGN PROTEIN, MILK PROTEIN AND HYSTIDINE, IRON CACODYLATE AND COBALT CHLORIDE; OIL SOLUTIONS OF VITAMIN A AND VITAMIN D, NATURAL MALE SEX HORMONES, BISMUTH IODO-QUININE AND CHLORBUTANOL, TESTOSTERONE PROPIONATE, OF ETHYLAMINO-BENZOATE AND CHLORBUTANOL, EPINEPHRINE HYDROCHLORIDE, OF BISMUTH ALPHA-CARBOTHOXY-CYCLOHEXYL ACETATE, OF GUAIACOL, GOMENOL, EUCALYPTOL, CAMPHOR AND MENTHOL, CAMPHOR, ESTROGENIC HORMONE; ETHYL CHLORIDE; AQUEOUS SOLUTIONS OF BISMUTH-SODIUM-TARTRATE, SUCROSE, BENZYL ALCOHOL AND PHENOL, OF BISMUTH SUBSALICYLATE AND CHLORBUTANOL, OF BISMUTH-SODIUM-TARTRATE, SUCROSE, SODIUM CACODYLATE, BENZYL ALCOHOL AND PHENOL, OF SODIUM CINCHOPHOSPHATE, SODIUM SALICYLATE AND SODIUM IODIDE, OF GELATIN, SODIUM HYDROSULFIDE, BENZYL ALCOHOL AND CHLORBUTANOL, OF DEXTROSE, SODIUM CHLORIDE AND BENZYL ALCOHOL, OF CALCIUM GLUCONATE, CALCIUM LACTATE AND GLUCOSE, OF CORPUS LUTEUM EXTRACT AND CHLORBUTANOL, OF IRON CACODYLATE, IRON PYROPHOSPHATE AND SODIUM GLYCERPHOSPHATE, OF THYROID, ANTERIOR PITUITARY, OVARIAN, ADRENAL CORTEX AND TYMUS, OF SODIUM IODIDE, SODIUM SALICYLATE, COLCHICINE, OF SULPHATES AND SULPHITES, OF PROPINS, MINERAL FATS AND LIPOIDS, OF IRON CITRATE, SODIUM ARSENATE AND NUCLEIN, OF IRON CACODYLATE, COBALT AND MANGANESE, OF SODIUM GLYCEROPHOSPHATE, STRYCHNINE GLYCEROPHOSPHATE, SODIUM CACODYLATE, IRON AND AMMONIUM CITRATE; PREPARATIONS FOR THE TREATMENT OF COUGHS AND COLDS; PREPARATIONS FOR THE TREATMENT OF DIETARY DEFICIENCIES IN VITAMINS; TONICS; LAXATIVES; RECTAL AND VAGINAL SUPPOSITORIES; OINTMENTS AND PREPARATIONS FOR THE TREATMENT OF THE SKIN; PREPARATIONS FOR THE TREATMENT OF SYPHILIS; PREPARATIONS FOR THE TREATMENT OF GONORRHEA; PREPARATIONS FOR THE TREATMENT OF NEURITIS, RHEUMATIC FEVER, RHEUMATISM, ARTHRITIS, GOUTY ARTHRITIS, ARTHRITIS DEFORMANS, NEURALGIA; PREPARATIONS FOR THE TREATMENT OF ACUTE GONORRHEA, BOILS AND OTHER PUS PRODUCING INFECTIONS; PREPARATIONS FOR THE TREATMENT OF VARICOSE VEINS AND OTHER VARICOSITIS; PREPARATIONS FOR THE TREATMENT OF MALE AND FEMALE SEXUAL DISORDERS; PREPARATIONS FOR THE TREATMENT OF OBESITY; PREPARATIONS FOR THE TREATMENT OF ANEMIA AND GENERAL DEBILITY; PREPARATIONS FOR THE TREATMENT OF GASTRIC AND DUODENAL ULCERS; PREPARATIONS FOR THE TREATMENT OF ASTHMA, HAYFEVER, COLIC, TETANUS, DELIRIUM TREMENS, CONVULSIONS, HYSTERIA AND SPASMODIC NERVOUS CONDITIONS; PREPARATIONS FOR THE TREATMENT OF MENSTRUAL DERANGEMENTS AND UNDERDEVELOPMENT OF UTERUS AND OVARIES; PREPARATIONS FOR THE TREATMENT OF DISORDERS DUE TO PREGNANCY; PREPARATIONS FOR THE TREATMENT OF SKIN DISEASES; PREPARATIONS FOR THE TREATMENT OF COCCUS INFECTIONS; BACTERIOLOGICAL AND TISSUE STAINS AND CHEMICAL REAGENTS AND PREPARATIONS FOR USE IN BIOLOGICAL AND BACTERIOLOGICAL ANALYSES.

Claims use since July 15, 1935.

Ser. No. 441,085. COSMETIC YEAST, LIMITED, London, England. Filed Feb. 28, 1941.

YEAST-PAC

No claim is made to the words "Yeast Pac" apart from the mark.

FOR FACE PACKS FOR TOILET USE ALL CONTAINING YEAST.

Claims use since August, 1939.

Ser. No. 441,092. EDWIN A. GRISWOLD, doing business as The Rite Products Co., Sonoma, Calif. Filed Feb. 28, 1941.

PILERITE

FOR OINTMENT USED FOR A TREATMENT FOR PILES.

Claims use since May 1, 1936.

Ser. No. 441,134. W. T. HANSON CO., Schenectady, N. Y. Filed Mar. 1, 1941.

Children's Own

No claim is made to the word "Children's" apart from the mark.

FOR LAXATIVE.

Claims use since Dec. 30, 1940.

Ser. No. 441,479. MARJORIE M. MCCLURE, doing business as The McClure Co., Corpus Christi, Tex. Filed Mar. 12, 1941.

Campho-Thymolide

FOR LIQUID ANTISEPTIC DRESSING, MEDICATED SALVE, MEDICATED CREAM, AND MEDICATED POWDER FOR MINOR CUTS, ABBASIONS, SCRATCHES, MINOR BURNS, MINOR SKIN IRRITATIONS, CHAPPING, CHAFFING, NON-POISONOUS INSECT BITES, AND SUNBURN.

Claims use since Jan. 15, 1941.

Ser. No. 441,491. CAESAR A. STOPPELLI, doing business as Safe Drug Store, New York, N. Y. Filed Mar. 12, 1941.

TRIAC

FOR COUGH MIXTURES.

Claims use since Oct. 16, 1940.

Ser. No. 441,516. T. A. MCCANE, doing business as Queen Ann Company, Atlanta, Ga. Filed Mar. 13, 1941.

LUCKY-SEVEN

FOR HAIR DRESSING OR POMADE, TALCUM POWDER, SKIN BLEACH, BODY DEODORANT, FACE POWDER, VANISHING CREAM, AND PERFUME.

Claims use since Mar. 1, 1932.

Ser. No. 441,545. LENTHERIC, INCORPORATED, New York, N. Y. Filed Mar. 14, 1941.

TANBARK

FOR SCALP STIMULANT, AFTER-SHAVE LOTION, AND EAU DE COLOGNE.

Claims use since Mar. 5, 1941.

Ser. No. 441,580. LORR LABORATORIES, Paterson, N. J. Filed Mar. 15, 1941.

MY BEAUTY

Applicant disclaims the word "Beauty" apart from the mark.

FOR COSMETICS—NAMELY, COLD CREAM AND CLEANSING CREAM.

Claims use since Mar. 5, 1941.

Ser. No. 441,626. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Mar. 17, 1941.

PROMIN

FOR CHEMOTHERAPEUTIC AGENT FOR USE IN TREATMENT OF HEMOLYTIC STREPTOCOCCIC AND OTHER BACTERIAL INFECTIONS.

Claims use since Feb. 25, 1941.

Ser. No. 441,637. THE PURE OIL COMPANY, Chicago, Ill. Filed Mar. 17, 1941.

PUROSOL

FOR LIQUID CHEMICAL COMPOSITION FOR DISSOLVING GUM AND REMOVING SOLID DEPOSITS FROM INTERNAL COMBUSTION ENGINES.

Claims use since July 1, 1938.

Ser. No. 441,712. SPECIALTY PRODUCTS COMPANY, Jersey City, N. J. Filed Mar. 19, 1941.

PERMASUEDE

FOR FINISH FOR HOSIERY AND OTHER TEXTILE MATERIALS.

Claims use since Jan. 6, 1941.

Ser. No. 441,737. JOSEPH G. MOSLEY, Monette, Ark. Filed Mar. 20, 1941.

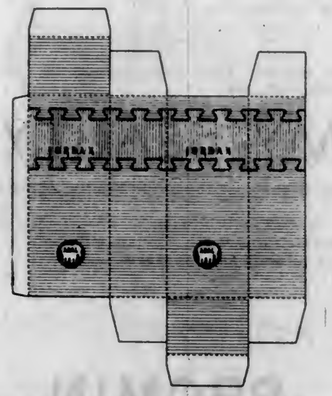


The trade-mark is a likeness of the applicant.

FOR PREPARATION FOR THE TREATMENT OF COUGHS AND COLDS.

Claims use since Dec. 1, 1940.

Ser. No. 441,771. RODRIGO JORDAN Y RAMOS, New York, N. Y. Filed Mar. 21, 1941.



The drawing is lined for blue and red. No claim is made to the outline of a carton per se.

FOR MEDICINAL PREPARATIONS INDICATED IN AND FOR THE TREATMENT OF ASTHMA, BRONCHITIS, COLDS, HAY FEVER, AND RELATED AFFECTIONS AND DISORDERS OF THE RESPIRATORY SYSTEM.

Claims use since Feb. 10, 1941.

Ser. No. 441,777. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Mar. 21, 1941.

PANTHOLIN

FOR MEDICINAL PREPARATION OF CALCIUM PANTOTHENATE WHICH IS USEFUL IN CASES OF CALCIUM PANTOTHENATE DEFICIENCY.

Claims use since Feb. 17, 1941.

Ser. No. 441,812. DEERIS, INC., New York, N. Y. Filed Mar. 22, 1941.

THRIFT

FOR INSECTICIDES.

Claims use since Mar. 1, 1941.

Ser. No. 441,821. ELIZABETH MAE HAMILTON, doing business as Betteen Perme-Sta Company, Atlantic City, N. J. Filed Mar. 22, 1941.

Betteen Perme-Sta

FOR HAIR DRESSING.

Claims use since Mar. 6, 1941.

Ser. No. 441,891. CARL VOEHRINGER, doing business as Penotrite Products Company, Long Island City, N. Y. Filed Mar. 24, 1941.

PENOTRITE

FOR LIQUID SOLVENT FOR REMOVING CARBON FROM INTERNAL COMBUSTION ENGINES, AND ACCUMULATIONS OF TAR, WAX, GREASE, AND LUBRICANTS FROM MACHINERY, FABRICS, RUBBER, AND LACQUERED SURFACES.

Claims use since Apr. 5, 1940.

Ser. No. 441,933. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa. Filed Mar. 25, 1941.

GLUFERATE

FOR PREPARATION FOR USE IN THE TREATMENT OF ANEMIA.

Claims use since Mar. 12, 1941.

Ser. No. 442,452. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Apr. 10, 1941.

CARBO-SULFANIDA

FOR PRODUCT FOR THE TREATMENT OF STREPTOCOCCIC, PNEUMOCOCCIC, STAPHYLOCOCCIC AND RELATED INFECTIONS.

Claims use since May 13, 1940.

Ser. No. 442,574. STAUFFER CHEMICAL COMPANY, San Francisco, Calif. Filed Apr. 14, 1941.

TARTOX

FOR INSECTICIDES.

Claims use since July 20, 1939.

Ser. No. 442,577. TAYLOR-FREEMAN-STANLEY, INCORPORATED, New York, N. Y. Filed Apr. 14, 1941.

Sofna

FOR CUTICLE LIQUID.

Claims use since Mar. 7, 1941.

Ser. No. 442,701. GOLDSMITH BROS., New York, N. Y. Filed Apr. 18, 1941.

GOLDEX

FOR ANTISEPTIC BABY OIL, ATHLETIC LINIMENT, ANTACID POWDER, SODIUM BICARBONATE TABLETS, BEEF IRON AND WINE, BORIC ACID OINTMENT, CASCARA SAGRADA TABLETS, COD LIVER OIL, EYE BATH, EFFERVESCENT LAXATIVE SALTS, EFFERVESCENT C & C GRANULES, GLYCERIN SUPPOSITORIES, MILK OF MAGNESIA TABLETS, EMULSION OF MINERAL OIL—MILK OF MAGNESIA AND AGAR, MINERAL OIL-AGAR-AGAR EMULSION, MINERAL OIL EMULSION COMPOUND, RHUBARB AND SODA TABLETS, RHINITIS FULL STRENGTH, SACCHARIN SOLUBLE TABLETS, SODA MINT TABLETS, THIAMIN CHLORIDE, SIX VITAMINS CAPSULES WITH LIVER AND IRON, FIVE VITAMINS CAPSULES, VITAMIN A—B¹—D—G CAPSULES, HALIBUT LIVER OIL WITH VIOSTEROL CAPSULES, HALIBUT LIVER OIL CAPSULES—PLAIN, COMPOUND SYRUP OF WHITE PINE AND TAR, ZINC OXIDE OINTMENT.

Claims use on antiseptic baby oil; athletic liniment; antacid powder; sodium bicarbonate tablets; beef, iron and wine; boric acid ointment, carcara sagrada tablets; cod liver oil; eye bath; effervescent laxative salts; C. & C. effervescent granules; glycerin suppositories; milk of magnesia tablets; emulsion of mineral oil, milk of magnesia and agar; mineral oil—agar agar emulsion; mineral oil emulsion compound; rhubarb and soda tablets; rhinitis—full strength; saccharin soluble tablets; soda mint tablets; thiamin chloride; halibut liver oil with viosterol capsules; halibut liver oil capsules—plain; compound syrup white pine and tar; and zinc oxide ointment since Sept. 16, 1940; and on six vitamins capsules with liver and iron, five vitamins capsules, vitamin A—B¹—D—G capsules since Nov. 16, 1940.

Ser. No. 442,712. FRANZ KOENIGSBERGER, doing business as Kinghill Laboratories, New York, N. Y. Filed Apr. 18, 1941.

CAREER

FOR TOILET WATER, EAU DE COLOGNE, PERFUMES, SACHETS, BATH SALTS, BATH OILS, DRY AND LIQUID FOAM BATH, BATH POWDER, BODY OILS, HAND CREAMS, HAND LOTIONS, LIPSTICKS, ROUGES, FACE POWDERS, FACE CREAMS, ASTRINGENTS, BRILLIANTINES, SHAMPOOS, HAIR WAVING LOTIONS, AFTER-SHAVING LOTIONS, NAIL POLISHES, FOOT POWDERS, FOOT CREAMS, DEODORANTS, INCENSE, AND WATER SOFTENERS.

Claims use since Apr. 9, 1941.

Ser. No. 442,735. TEXAS MINING & SMELTING COMPANY, Laredo, Tex. Filed Apr. 18, 1941.

STIBNOX

FOR ANTIMONY OXIDE.

Claims use since Apr. 19, 1932.

CLASS 7

CORDAGE

Ser. No. 435,566. THE ATKINS & PEARCE MANUFACTURING COMPANY, Cincinnati, Ohio. Filed Aug. 31, 1940.



DEER CREEK BRAND

No claim is made to the term "Deer Creek Brand" apart from the mark.

FOR FLAT BRAIDS USED FOR TYING PURPOSES AND TWINES.

Claims use since July, 1940.

Ser. No. 440,228. UNION WIRE ROPE CORPORATION, Kansas City, Mo. Filed Feb. 1, 1941.



The words "Mining Machine Ropes" are not claimed apart from the mark.

FOR WIRE ROPE AND WIRE ROPE CABLES.

Claims use since Jan. 1, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 441,055. LOUISE K. LIPPERT, doing business as L. K. Lippert Equipment Company, Columbus, Ohio. Filed Feb. 27, 1941.

WOVENCURE



The words "Tough as Leather" and the representation of the goods are disclaimed apart from the mark.

FOR SHEET TYPE WEATHERPROOF MATERIAL USED AS A PROTECTIVE COVERING AND DEVELOPED ESPECIALLY FOR PROTECTING CONCRETE DURING THE CURING PERIOD THEREOF.

Claims use since Oct. 3, 1940.

Ser. No. 441,176. THE PRESSTITE ENGINEERING COMPANY, St. Louis, Mo. Filed Mar. 3, 1941.

ROPAX

FOR PUTTYING AND CAULKING COMPOUNDS.
Claims use since Feb. 21, 1941.

Ser. No. 441,526. UNION ASBESTOS & RUBBER COMPANY, Chicago, Ill. Filed Mar. 13, 1941.

UNARCO

FOR ASBESTOS PIPE COVERS, RIGID AND FLEXIBLE TYPES; ASBESTOS BLANKET OR SHEET INSULATION; WOVEN ASBESTOS LISTING TAPE FOR INSULATION; AND ASBESTOS INSULATING TAPE COMPRISING WOVEN SHEATH AND FILLER, WITH OR WITHOUT WATERPROOFING.
Claims use since Dec. 1, 1918.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 436,035. ROYAL MAID MFG. CO., Chicago, Ill. Filed Sept. 16, 1940.

CORYLIN

FOR SHOWER CURTAINS.
Claims use since July 15, 1940.

Ser. No. 440,846. AMERICAN ENAMELED PRODUCTS COMPANY, Waukesha, Wis. Filed Feb. 21, 1941.

Daisy Wite

No claim is made to the word "Wite" apart from the mark.

FOR BATHROOM WALL FIXTURES—NAMELY, SOAP TRAYS AND DISHES, TUMBLER HOLDERS, TOOTH BRUSH HOLDERS, TOWEL BARS, TOWEL BAR BRACKETS, GLASS AND PORCELAIN SHELVES, ROBE HOOKS, RAZOR STROP HOOKS, TOILET PAPER HOLDERS, BATHTUB GRAB BARS, AND TOWEL HOOKS.
Claims use since Sept. 1, 1940.

Ser. No. 441,360. TAZEWELL H. JENKINS, Chicago, Ill. Filed Mar. 8, 1941.

HOLDEX

FOR METAL WALL HOLDING PLATES FOR CARTONS OF PAPER TOWELS, NAPKINS, OR HANDKERCHIEFS.
Claims use since Mar. 5, 1941.

CLASS 15

OILS AND GREASES

Ser. No. 438,036. CALIFORNIA TEXAS OIL COMPANY, LIMITED, New York, N. Y. Filed Nov. 19, 1940.

CALTEX

The drawing is lined for red.
FOR LUBRICATING OILS AND GREASES.
Claims use since July, 1937.

Ser. No. 440,562. THE NATIONAL REFINING COMPANY, Cleveland, Ohio. Filed Feb. 11, 1941.

REFLECTION LIGHT

No claim is made to the word "Light" per se or apart from the mark.
FOR KEROSENE FOR HEATING AND ILLUMINATION PURPOSES.
Claims use since 1897.

Ser. No. 441,262. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Mar. 5, 1941.

BRB

FOR LUBRICATING OILS AND GREASES.
Claims use since Dec. 10, 1936.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 435,581. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Aug. 31, 1940.

KOROPLATE

FOR SOLUTION OF SYNTHETIC RESINS USED AS A PAINT AS A PROTECTIVE COATING TO RESIST OXIDATION AND/OR THE CORROSIVE ACTION OF FLUIDS, EITHER OF A GASEOUS OR LIQUID NATURE.
Claims use since July 29, 1940.

Ser. No. 441,016. H. FORSBERG COMPANY, Cleveland, Ohio. Filed Feb. 26, 1941.

XIM

FOR COATING MATERIALS IN THE NATURE OF BRUSHING AND SPRAYING PAINTS AND ENAMELS (BOTH CLEAR AND PIGMENTED) FOR THE FOLLOWING USES: DECORATIVE COATING, PROTECTIVE COATING, PRIMING, RUST PROOFING, BONDING, SEALING, VEHICLE FOR METAL FLAKE (E. G. BRONZING).
Claims use since Aug. 1, 1938.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 441,198. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa. Filed Mar. 4, 1941.

INFRA REDIATOR

FOR ELECTRIC HEATER EMPLOYING INFRA RED LAMPS TO EVAPORATE SOLUTIONS, CHAR FILTER PAPERS, ETC.
Claims use since Mar. 1, 1941.

Ser. No. 441,863. FULL-O-LITE CORPORATION, Bloomfield, N. J. Filed Mar. 24, 1941.

Flur-O-Lux

FOR ELECTRIC LIGHTING FIXTURES AND BULBS.
Claims use since Feb. 20, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 439,168. NASHUA PACKAGE SEALING CO. INC., Nashua, N. H. Filed Dec. 24, 1940.

THRIFTY FIFTY

FOR MACHINES AND TOOLS FOR MOISTENING, SERVING, OR APPLYING ADHESIVE OR GUMMED TAPE, WRAPPERS, LABELS, AND THE LIKE SHEET OR STRIP MATERIAL; AND PACKAGE AND CONTAINER SEALING, SECURING, WRAPPING, OR LABELING, AND LIKE MACHINES AND DEVICES UTILIZING SUCH MATERIAL.
Claims use since Sept. 20, 1940.

Ser. No. 439,807. EUREKA VACUUM CLEANER COMPANY, Detroit, Mich. Filed Jan. 21, 1941.

ATTACH-O-MATIC

FOR ATTACHMENTS IN THE NATURE OF A COUPLER FOR USE IN CONNECTION WITH VACUUM CLEANERS.
Claims use since Dec. 30, 1940.

Ser. No. 440,377. PACKARD MOTOR CAR COMPANY, Detroit, Mich. Filed Feb. 6, 1941.

Packard

Applicant claims ownership of U. S. trade-mark registration No. 47,621, dated Nov. 14, 1905, and renewed.
FOR INTERNAL COMBUSTION ENGINES, PARTS FOR INTERNAL COMBUSTION ENGINES, INCLUDING CYLINDER STRUCTURES, HEAD STRUCTURES, CRANKCASE STRUCTURES, COVERS, MANIFOLDS, CRANKSHAFTS, PISTONS, CONNECTING RODS, VALVES, VALVE TAPPETS, CAMSHAFTS, ACCESSORY DRIVING DEVICES, VIBRATION DAMPERS, CARBURETORS, LUBRICATING DEVICES, FUEL FEEDING DEVICES, AIR, FUEL AND LUBRICANT FILTERS, FANS, MUFFLERS, FUEL HEATERS FOR INTERNAL COMBUSTION ENGINES, CONTROLLING DEVICES FOR INTERNAL COMBUSTION ENGINES, EXHAUST PIPES, MOUNTINGS; TRANSMISSIONS; PARTS FOR TRANSMISSIONS INCLUDING CHANGE SPEED GEARING, CASINGS, GEARING, DIFFERENTIALS, CLUTCHES, UNIVERSAL JOINTS, DRIVING AXLES, DRIVING SHAFTS, CONTROLLING DEVICES FOR TRANSMISSION DRIVE SELECTION, LUBRICATING DEVICES FOR TRANSMISSION BEARINGS.
Claims use on vibration dampers since Jan. 1, 1921; and on heaters for internal combustion engines since Jan. 1, 1916.

CLASS 25

LOCKS AND SAFES

Ser. No. 440,845. AMERICAN CABINET HARDWARE CORPORATION, Rockford, Ill. Filed Feb. 21, 1941.

Wintite

FOR SASH LOCKS.
Claims use since Dec. 4, 1939.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 435,399. MILLS NOVELTY COMPANY, Chicago, Ill. Filed Aug. 26, 1940.

PANORAM SOUNDIES

FOR SOUND MOTION PICTURES.
Claims use since June 12, 1940.

Ser. No. 440,013. MERCURY BATTERY CHARGER & TESTER CORP., Kansas City, Mo., assignor to The Mercury Corporation. Filed Jan. 27, 1941.

MERCO

FOR COMBINATION BATTERY CHARGING AND TESTING APPARATUS.
Claims use since Jan. 8, 1941.

Ser. No. 440,704. JAMES D. MOONEY, New York, N. Y. Filed Feb. 15, 1941.

ECONORAMA

FOR APPARATUS DESIGNED TO ILLUSTRATE THE LAWS OF ECONOMICS BY PHYSICAL ANALOGIES.

Claims use since Jan. 30, 1941.

Ser. No. 440,979. THE EASTERN MACHINE SCREW CORPORATION, New Haven, Conn. Filed Feb. 25, 1941.

SPECTIFIER

FOR COMBINED MAGNIFYING AND ILLUMINATING DEVICES FOR INSPECTING RELATIVELY SMALL OBJECTS AND FOR GENERAL INSPECTION WORK.

Claims use since Feb. 11, 1941.

Ser. No. 441,776. LEAR AVIA, INC., Dayton, Ohio. Filed Mar. 21, 1941.

LEARMATIC

FOR AIRCRAFT NAVIGATIONAL INSTRUMENTS, AND PARTICULARLY COMPOSITE RADIO COMPASS AND DIRECTIONAL COMPASS INDICATORS.

Claims use since November, 1939.

Ser. No. 441,810. CHARIS CORPORATION, Allentown, Pa. Filed Mar. 22, 1941.

CHARISOMETER

FOR SLIDE RULES FOR USE IN CONNECTION WITH THE GROUPINGS OF VARIOUS TYPES OF CORSETS, COMBINATION CORSET BRASSIÈRES, GIRDLES, AND BRASSIÈRES.

Claims use since Feb. 3, 1941.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 441,581. THE LUX CLOCK MANUFACTURING COMPANY, Waterbury, Conn. Filed Mar. 15, 1941.

DEFENDER

FOR CLOCKS.

Claims use since Jan. 11, 1940.

Ser. No. 441,680. WILLIAM A. MUNEY, New York, N. Y. Filed Mar. 18, 1941.

BOND

FOR WATCHES AND WATCH PARTS.

Claims use since Mar. 1, 1941.

Ser. No. 442,067. THE E. INGRAHAM COMPANY, Bristol Conn. Filed Mar. 29, 1941.

Stratoliner

FOR CLOCKS.

Claims use since Mar. 6, 1941.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 440,674. COHN & ROSENBERGER INC., New York, N. Y. Filed Feb. 15, 1941.



FOR NECKLACES, AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME; BEADS, PINS, HAT ORNAMENTS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, CIGARETTE CASES, CIGARETTE BOXES, FANCY BUCKLES, AND JEWELRY INITIALS.

Claims use since Jan. 1, 1941.

Ser. No. 441,673. THE ELLMORE SILVER COMPANY, INCORPORATED, Meriden, Conn. Filed Mar. 18, 1941.

MIDGET

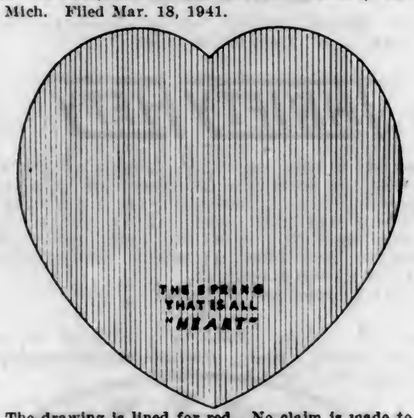
FOR STERLING SILVER HOLLOW WARE AND TABLEWARE.

Claims use since Feb. 12, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 441,683. NO-SAG SPRING COMPANY, Detroit, Mich. Filed Mar. 18, 1941.



The drawing is lined for red. No claim is made to the word "Spring" apart from the mark.

FOR FURNITURE PROVIDED WITH SPRINGS—NAMELY, COUCHES, CHAIRS, SEAT AND CUSHIONS, MATTRESSES, BED DIVANS, COTS, AND BED SPRINGS.

Claims use since Jan. 1, 1941.

Ser. No. 442,279. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Apr. 4, 1941.

Plymouth
POSTURE BUILT

No claim is made to the words "Plymouth" and "Built" apart from the mark.

FOR MATTRESSES.

Claims use since Jan. 17, 1935.

Ser. No. 442,608. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 15, 1941.

SLUMBERSOUND

FOR MATTRESSES.

Claims use since July 31, 1939.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 433,842. THE WHITEHEAD BROS. RUBBER CO., Trenton, N. J. Filed July 10, 1940.

SYNPLASTIC

FOR GASOLINE HOSE, AIR HOSE, OIL HOSE, ROTARY DRILLING HOSE, ACID HOSE, STILL-CLEANING HOSE, SPRAY HOSE, AND SOLVENT HOSE.

Claims use since Apr. 13, 1937.

Ser. No. 442,121. THE GATES RUBBER COMPANY, Denver, Colo. Filed Mar. 31, 1941.

CHARTER

FOR PNEUMATIC TIRES.

Claims use since Mar. 1, 1941.

Ser. No. 442,137. NATIONAL TIRE STORES INC., Denver, Colo. Filed Mar. 31, 1941.

TRAVEL-AIR

The word "Air" is disclaimed apart from the mark.

FOR PNEUMATIC TIRES.

Claims use since Feb. 10, 1941.

Ser. No. 442,329. THE FHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Filed Apr. 5, 1941.

FLEETWOOD

The applicant is the owner of United States trademark registration No. 328,354, dated September 24, 1935.

FOR PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.

Claims use since May 1, 1940.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 434,802. NORRIS B. MAYHAMS, New York, N. Y. Filed Aug. 8, 1940.



FOR PHONOGRAPH RECORDS.

Claims use since Feb. 1, 1938.

Ser. No. 441,882. H. & A. SELMER, INC., Elkhart, Ind. Filed Mar. 24, 1941.

TONEX

FOR MUSICAL INSTRUMENT PADS AND MORE PARTICULARLY FOR VALVE PADS FOR MUSICAL INSTRUMENTS.

Claims use since Mar. 6, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 437,663. THE FREDERICK POST COMPANY, Chicago, Ill. Filed Nov. 7, 1940.

Ovaloid

FOR SO-CALLED TRANSPARENT TRACING SHEETS FOR DRAFTING.

Claims use since July 10, 1940.

Ser. No. 441,480. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Mar. 12, 1941.

MULTONE

FOR BOOK PAPER IN ROLLS OR SHEETS.

Claims use since Feb. 15, 1941.

Ser. No. 441,524. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y. Filed Mar. 13, 1941.

LAMISETTE

FOR PAPER REINFORCED WITH A FILM OF NON-FIBROUS ORGANIC MATERIAL.
Claims use since Feb. 15, 1941.

Ser. No. 441,540. INTERNATIONAL TISSUE CORP., New York, N. Y. Filed Mar. 14, 1941.

Seminole
EMBOSSED
TOWELS

Applicant disclaims the words "Embossed Towels" apart from the mark.
FOR PAPER TOWELS.
Claims use since Feb. 15, 1941.

Ser. No. 441,591. REMINGTON RAND INC., Buffalo, N. Y. Filed Mar. 15, 1941.

GRAPH-A-MATIC

FOR VISIBLE CARD INDEXES, CARD HOLDERS, BLANK AND PARTIALLY PRINTED INDEX CARDS, TITLE INSERTS, AND SIGNALS.
Claims use since Nov. 12, 1940.

Ser. No. 441,730. GRAHAM PAPER COMPANY, St. Louis, Mo. Filed Mar. 20, 1941.

MISTO

FOR WRAPPING PAPER.
Claims use since Apr. 24, 1933.

Ser. No. 441,733. HAMMERMILL PAPER COMPANY, Erie, Pa. Filed Mar. 20, 1941.



FOR BOND PAPER.
Claims use since August, 1928.

Ser. No. 441,811. CONSOLIDATED COVER CO., San Francisco, Calif. Filed Mar. 22, 1941.



FOR SELF-DISPOSING PAPER TOILET SEAT COVERS.
Claims use since Dec. 10, 1940.

Ser. No. 441,850. BEACH & ARTHUR PAPER CO., Indianapolis, Ind. Filed Mar. 24, 1941.

SMART SET

FOR PAPER TOWELS.
Claims use since Sept. 27, 1940.

Ser. No. 441,995. BAY WEST PAPER COMPANY, Green Bay, Wis. Filed Mar. 27, 1941.



FILM-FITER

FOR PAPER TOWELS.
Claims use since Jan. 2, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 434,086. QUIZ KIDS, INCORPORATED, Chicago, Ill., assignor to Louis G. Cowan, Chicago, Ill. Filed July 17, 1940.



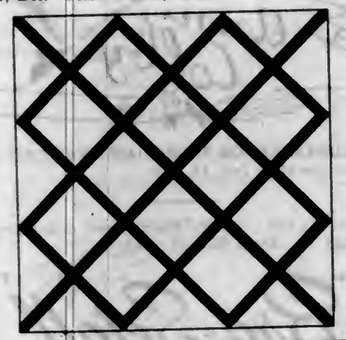
FOR SCRIPTS FOR A SERIES OF RADIO BROADCASTS SOLD AS A PUBLICATION IN TRADE.
Claims use since June 24, 1940.

Ser. No. 438,158. THE SOUTHWEST MAGAZINE CO., INC., Fort Worth, Tex. Filed Nov. 22, 1940.

Newspicture

FOR WEEKLY NEWSPAPER SHOWING NOTABLE EVENTS AND PICTURES.
Claims use since Aug. 1, 1940.

Ser. No. 440,185. AMERICAN DIAGRID CORPORATION, Dover, Del. Filed Feb. 1, 1941.



FOR ARCHITECTURAL AND ENGINEERING PRINTS, DRAWING, AND COMPUTATIONS.
Claims use since Jan. 9, 1941.

Ser. No. 441,022. THE IRVING-CLOUD PUBLISHING CO., Chicago, Ill. Filed Feb. 26, 1941.

THE Super Service Station and ··· THE PETROLEUM RETAILER

The words "Petroleum Retailer" are disclaimed apart from the mark.
FOR PERIODICAL.
Claims use since Feb. 1, 1941.

CLASS 39

CLOTHING

Ser. No. 430,163. BEN HUR PRODUCTS, INC., New York, N. Y. Filed Mar. 29, 1940.

RUMBOLA

FOR ROPE BELTS.
Claims use since Feb. 15, 1940.

Ser. No. 430,496. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed Apr. 8, 1940.

CHROTAN

FOR SHOES OF LEATHER, OR OF A COMBINATION OF LEATHER, RUBBER, AND FABRIC.
Claims use since Mar. 12, 1940.

Ser. No. 438,947. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed Dec. 17, 1940.

Agatwist

FOR MEN'S AND YOUNG MEN'S SUITS CONSISTING OF COATS, VESTS, AND TROUSERS.
Claims use since May 17, 1940.

Ser. No. 439,105. HAUSMAN, NEWMAN & MILLER, INC., Brooklyn, N. Y. Filed Dec. 23, 1940.

Karalamb



FOR MEN'S AND YOUNG MEN'S CLOTHING HAVING A SUBSTANTIAL WOOL CONTENT—NAMELY, SUITS, COATS, PANTS, VESTS, TOPCOATS, AND OVERCOATS.
Claims use since Mar. 1, 1938.

Ser. No. 439,447. JACK SMITH, doing business as Boston Shoe Company, Los Angeles, Calif. Filed Jan. 6, 1941.



The words "Cord" and "20 Iron", "100 day Registered Wear" are disclaimed apart from the mark.
FOR SHOES AND BOOTS OF LEATHER AND RUBBER AND COMBINATIONS THEREOF.
Claims use since July 17, 1940.

Ser. No. 439,844. THEBEST MILLS CO., New York, N. Y. Filed Jan. 21, 1941.

Allarounds

FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES, PLAY SUITS, OUTER SKIRTS, AND FOR WOMEN'S, MISSES', MEN'S, BOYS', AND CHILDREN'S SWEATERS, JACKETS, COATS, BATHING SUITS, AND POLO SHIRTS.
Claims use since Jan. 1, 1938.

Ser. No. 439,889. JACK DIAMOND, Brooklyn, N. Y. Filed Jan. 23, 1941.

"The Doorway to A Man's World"

FOR MEN'S AND BOYS' WEARING APPAREL—

NAMELY, HATS, DRESS AND SPORT SHIRTS, PAJAMAS, LOUNGING, BATH AND BEACH ROBES, NECKTIES, SOCKS, LEATHER AND WOOLEN GLOVES, MUFFLERS, SCARFS, RAINCOATS, JACKETS, SWEATERS, SPORT COATS, LEATHER SLIPPERS, BELTS, SUSPENDERS, SLACKS, UNDERWEAR, AND HANDKERCHIEFS.
Claims use since Dec. 15, 1940.

Ser. No. 439,890. JACK DIAMOND, Brooklyn, N. Y. Filed Jan. 23, 1941.

"FORMTRACE"

FOR MEN'S OUTER SHIRTS.
Claims use since Dec. 15, 1940.

Ser. No. 440,817. HOEFLICH & SON NECKWEAR CO., INC., New York, N. Y. Filed Feb. 20, 1941.

LorAly Cravat

No claim is made to the word "Cravat" apart from the mark
FOR NECKTIES.
Claims use since July, 1940.

Ser. No. 441,137. GEO. E. KEITH COMPANY, Brockton, Mass. Filed Mar. 1, 1941.

EASI-GAIT

Applicant disclaims the word "Easi" except in combination with "Gait."
FOR SHOES PRINCIPALLY OF LEATHER, SHOES PRINCIPALLY OF FABRIC, AND SHOES OF A COMBINATION OF LEATHER AND FABRIC.
Claims use since July 22, 1937.

Ser. No. 441,255. M. H. RAAB-MEYERHOFF CO., Philadelphia, Pa. Filed Mar. 5, 1941.

TELLE-VOGUE PIMA

The words "Vogue" and "Pima" are disclaimed apart from the mark.
FOR OUTER SHIRTS.
Claims use since Dec. 10, 1940.

Ser. No. 441,306. CAVENDISH TRADING CORPORATION, New York, N. Y. Filed Mar. 7, 1941.

SMART-TEEN

The word "Smart" is disclaimed apart from the mark.
FOR LADIES', MISSES', AND CHILDREN'S DRESSES, BLOUSES, OUTER SKIRTS, JACKETS, DRESS AND JACKET COMBINATIONS, SWEATERS, COATS, SLIPS, NIGHTGOWNS, GLOVES OF LEATHER AND FABRIC, SHOES OF LEATHER AND FABRIC, HATS, DRESSING ROBES, BATHROBES, PAJAMAS, PLAYSUITS AND HOSIERY.
Claims use since Jan. 2, 1941.

Ser. No. 441,349. COLBY CLASSICS, INC., Boston, Mass. Filed Mar. 8, 1941.

Ann Colby

FOR DRESSES FOR MISSES AND WOMEN.
Claims use since Jan. 14, 1941.

Ser. No. 441,752. VENUS FOUNDATION GARMENTS, INC., Chicago, Ill. Filed Mar. 20, 1941.

"Bra-Setall"

No claim is made to the word "Bra" apart from the mark.
FOR WOMEN'S UNDERGARMENTS CONSISTING OF FOUNDATION GARMENTS, GIRDLES, CORSETS, AND BRASSIÈRES.
Claims use since Mar. 11, 1941.

Ser. No. 441,959. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Mar. 26, 1941.

MERCURY

FOR RUBBER HEELS AND SOLES.
Claims use since Nov. 19, 1940.

Ser. No. 441,987. LILLIAN KOLODNEY ABBOTT, New York, N. Y. Filed Mar. 27, 1941.

Go-Go

FOR WOMEN'S, MISSES', JUNIORS', AND CHILDREN'S DRESSES, SKIRTS, BLOUSES, PLAYSUITS, AND PINAFORES.
Claims use since May, 1939.

Ser. No. 441,988. ADAM HAT STORES, INC., New York, N. Y. Filed Mar. 27, 1941.

RINGSIDE

FOR MEN'S HATS.
Claims use since Nov. 15, 1940.

Ser. No. 442,301. BENKAIM STORES, Mount Carmel, Pa. Filed Apr. 5, 1941.

Kentway

FOR LADIES' AND MISSES' COATS, SUITS, DRESSES, BLOUSES, JACKETS, AND SKIRTS.
Claims use since Jan. 25, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 428,791. BARTMANN & BIXER INC., New York, N. Y. Filed Feb. 23, 1940.

Victorian Ruffles

The word "Ruffles" is disclaimed apart from the mark.
FOR MADE UP FINISHED WINDOW CURTAINS.
Claims use since Jan. 1, 1940.

Ser. No. 440,770. AMERICAN ANODE INC., Wilmington, Del., and Akron, Ohio. Filed Feb. 19, 1941.

ANODIZED

FOR KNITTED OR NETTED TEXTILE FABRICS MADE OF COTTON, WOOL, SILK, AND/OR SYNTHETIC FIBROUS MATERIALS OR COMBINATIONS THEREOF, SUCH AS MAY BE USED IN MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY, GLOVES, CAPS, JACKETS, SWEATERS, AND UNDERWEAR.
Claims use since Feb. 11, 1941.

Ser. No. 442,016. ALBERT H. VANDAM CO., INC., New York, N. Y. Filed Mar. 27, 1941.

ROYLAN

FOR COTTON PIECE GOODS.
Claims use since Feb. 20, 1939.

Ser. No. 442,104. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Mar. 31, 1941.

Duraweave

FOR BILLIARD TABLE CLOTH.
Claims use since Feb. 28, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 441,224. AUSTENAL LABORATORIES, INC., New York, N. Y. Filed Mar. 5, 1941.

AUSTALON

FOR SWAGED METAL DENTURE BASES, AS WELL AS VARIOUS FORMS OF WIRES AND WIRE PRODUCTS, SUCH AS LINGUAL BARS, PALATAL BARS, READY-MADE CLASPS, OCCLUSAL SURFACES AND OTHER APPLIANCES USED IN THE MAKING OF PROSTHETIC AS WELL AS ORTHODONTIC APPLIANCES.
Claims use since Oct. 22, 1940.

Ser. No. 441,660. PAUL E. ALLEN, Skokie, Ill. Filed Mar. 18, 1941.

Baby's pal

FOR TEETHERS, TEETHING RATTLES, AND TEETHING NECKLACES.
Claims use since Dec. 15, 1936, on teethers; since June 21, 1938, on teething rattles; and since Dec. 15, 1940, on teething necklaces.

Ser. No. 442,569. MANUEL M. SHAPIRO, doing business as Ster-O-Ped Company, Beverly Hills, Calif. Filed Apr. 14, 1941.

STER-O-PED

FOR ULTRA-VIOLET RAY STERILIZING DEVICES.
Claims use since Mar. 26, 1941.

Ser. No. 442,768. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed Apr. 21, 1941.

SANITAIR

FOR RESPIRATORS AND PARTS THEREFOR.
Claims use since Mar. 14, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 442,397. AARON LIBITZ, doing business as Metropolitan Extract Co., Los Angeles, Calif. Filed Apr. 8, 1941.

Tempo

FOR NONALCOHOLIC BEVERAGE AND SYRUPS FOR MAKING SAME.
Claims use since Mar. 28, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 430,179. EMMETT B. EVERS, doing business as The Family Farmers Union of America, Lakeland, Fla. Filed Mar. 30, 1940.



No claim is made to the word "America" apart from the mark.

FOR FRESH CITRUS FRUIT AND VEGETABLES.
Claims use since Jan. 27, 1940.

Ser. No. 434,255. W & S PACKING COMPANY, Salinas, Calif. Filed July 23, 1940.



The applicant is the owner of registration No. 332,564, dated Feb. 18, 1936. No claim is made to the words "Brand" or "Fresh Butts" apart from the mark.

FOR FRESH VEGETABLES—NAMELY, FRESH LETTUCE.
Claims use since July 18, 1940.

Ser. No. 434,327. VILHO O. JARVINEN, New York, N. Y. Filed July 25, 1940.



The word "Brand" is hereby disclaimed. "Tavastia" is derivative of the latin word "Tavastum" meaning county or province. There is no such place in Finland. The lining of the drawing indicates a series of concentric colored circles the color of which from the outermost inwardly is as follows: Black, red, gold, gray, white, gold, and a black center.

FOR CHEESE.
Claims use since September, 1934.

Ser. No. 435,254. ORIGINAL CANNING COMPANY, INC., Maspeth, N. Y. Filed Aug. 22, 1940.

"ORIGINAL"
CANNING COMPANY, INC.

FOR PICKLES PACKED IN CANS OR GLASSWARE.
Claims use since Jan. 15, 1940.

Ser. No. 436,682. WESTERN CANNERS, INC., Newport Beach, Calif. Filed Oct. 5, 1940.

SCOOP

FOR CANNED MACKEREL.
Claims use since Sept. 9, 1940.

Ser. No. 438,345. MARYLAND BAKING COMPANY, INC., Baltimore, Md. Filed Nov. 29, 1940.

Haw-a-wrap

No claim is made to the word "Wrap" apart from the mark.

FOR ICE CREAM CONES.
Claims use since Apr. 1, 1940.

Ser. No. 438,738. BROUGH CANNING CORPORATION, Mission, Tex. Filed Dec. 12, 1940.

Full O'Life

FOR CANNED FRUITS AND VEGETABLES AND FRESH CITRUS FRUIT.
Claims use since Nov. 1, 1940.

Ser. No. 439,804. FINGER LAKES HONEY PRODUCERS CO-OPERATIVE, INCORPORATED, Groton, N. Y. Filed Jan. 23, 1941.



FOR HONEY.
Claims use since Nov. 15, 1940.

Ser. No. 439,945. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Filed Jan. 24, 1941. Under act of Feb. 20, 1905, as amended June 10, 1938.



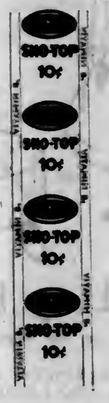
FOR TURKEY POULTS, CHICKS, HATCHING EGGS, LIVE POULTRY, DRESSED POULTRY, MILK, BUTTER, EGGS, POULTRY FEED, LAYING MASH, STOCK FEED, MINERAL HOG FEED, CANNED DOG FOOD, DOG BISCUITS, AND BIRD SEED.
Claims use since December, 1929.

Ser. No. 440,096. THE KANSAS MILLING COMPANY, Wichita, Kans. Filed Jan. 29, 1941.

SPARK O LIFE

FOR WHEAT GERM AND WHEAT FLOUR.
Claims use since Apr. 14, 1940.

Ser. No. 440,331. GOTTFRIED BAKING COMPANY, INC., New York, N. Y. Filed Feb. 5, 1941.



All wording and notations except "Sno-Top" are disclaimed apart from the mark.

FOR BREAD.
Claims use since Oct. 1, 1940.

Ser. No. 440,634. S. W. NOGGLE, doing business as the S. W. Noggle Company, Kansas City, Mo. Filed Feb. 13, 1941.

NOGGLE'S Production's Choice

Applicant is the owner of registration No. 365,532, March 14, 1939. The words "Noggle's" and "Choice" are disclaimed apart from the mark.

FOR ICE CREAM BAR COATING, SHERBET STABILIZER, FOOD FLAVORING EXTRACTS, BAKING POWDER, TOMATO JUICE, CAKE FILLERS, CAKE TOPPINGS, CANNED FRUITS, JELLIES, JAMS, CANNED FRUIT CAKE FRUIT.
Claims use since Aug. 1, 1939.

Ser. No. 440,739. CALLA MILLER, Tacoma, Wash. Filed Feb. 18, 1941.



The words "Cake," "No Raisins," "No Currants," "No Grit" are disclaimed as part of the mark.

FOR CAKES.
Claims use since Oct. 1, 1938.

Ser. No. 441,189. ANDERSEN'S, Buellton, Calif. Filed Mar. 4, 1941.



Splitting Peas

No claim is made to the word "Peas" apart from the mark.

FOR MINCE MEAT, SPICES, SPLIT PEAS, SPLIT PEA SOUP, BREAD, AND DRIED FRUITS, COFFEE, PIES, BAKED HAM.

Claims use since Jan. 1, 1940.

Ser. No. 441,466. FRANCES BONILLA, Long Island City, N. Y. Filed Mar. 12, 1941.

LACTONIA

FOR POWDERED MODIFIED MILK PRODUCT ESPECIALLY PREPARED FOR INFANT FEEDING.

Claims use since Dec. 10, 1940.

Ser. No. 441,706. J. W. LENTZ, Kansas City, Mo. Filed Mar. 19, 1941.

ARKOZRK

FOR DRESSED POULTRY.

Claims use since Feb. 24, 1941.

Ser. No. 441,920. THE NOMIS CORPORATION, La Fayette, Ind., and Jacksonville, Fla. Filed Mar. 25, 1941.

SEABURGER

FOR FILLERS FOR SEA-FOOD SANDWICHES.

Claims use since Aug. 26, 1940.

CLASS 47

WINES

Ser. No. 439,784. SOUTHLAND WINE CORPORATION, Richmond, Va. Filed Jan. 18, 1941.

TUTTI FRUITTI

FOR WINES.

Claims use since Dec. 16, 1940.

Ser. No. 441,391. EHRMAN BROS. HORN & CO., San Francisco, Calif. Filed Mar. 10, 1941.

FACCIANO

FOR VERMOUTH.

Claims use since Jan. 23, 1941.

Ser. No. 441,840. LUCIEN ARDIN, INC., New York, N. Y. Filed Mar. 21, 1941.

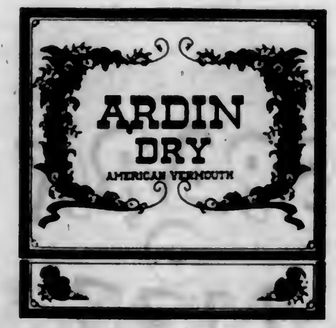


The words "American Aperitif Wine" are disclaimed apart from the mark.

FOR AMERICAN APERITIF WINE.

Claims use since July 25, 1935.

Ser. No. 441,841. LUCIEN ARDIN, INC., New York, N. Y. Filed Mar. 21, 1941.

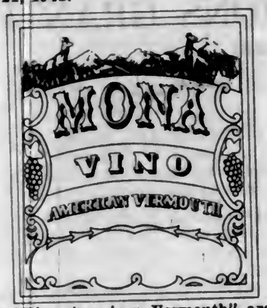


The words "Dry American Vermouth" are disclaimed apart from the mark.

FOR AMERICAN VERMOUTH.

Claims use since July 5, 1935.

Ser. No. 441,842. LUCIEN ARDIN, INC., New York, N. Y. Filed Mar. 21, 1941.



The words "Vino American Vermouth" are disclaimed apart from the mark.

FOR AMERICAN VERMOUTH.

Claims use since Oct. 16, 1935.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 441,023. MARTIN JANY, New York, N. Y. Filed Feb. 26, 1941.

IRON-AID

FOR HEAT-PROOF PADS USED AS KITCHEN UTENSILS FOR POTS, PANS, ETC.

Claims use since July, 1940.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 27, 1941

387,611. DAILY SCRATCH SHEET. MADISON PUBLISHING COMPANY, Chicago, Ill., assignor to Adams Publishing Company, Chicago, Ill., a partnership composed of Gordon J. Urquhart and Sidney Weingart.

Filed May 15, 1937. Serial No. 392,806. PUBLISHED AUGUST 3, 1937. Class 38.

387,612. ROUGE, LIPSTICK, EYEBROW PENCIL, AND SKIN LOTION. CARYL VARNI, New York, N. Y.

Filed June 7, 1937. Serial No. 393,787. PUBLISHED AUGUST 8, 1939. Class 6.

387,613. PREPARED CONCRETE. SCIENTIFIC CONCRETE SERVICE CORPORATION, Washington, D. C.

Filed October 28, 1938. Serial No. 412,160. PUBLISHED MARCH 11, 1941. Class 12.

387,614. ELECTRICALLY OPERATED HEAT REGULATORS, CONSTITUTED IN SOME INSTANCES AS A THERMOSTAT AND A MOTOR, AND IN SOME INSTANCES AS A THERMOSTAT, A LIMIT CONTROL AND A MOTOR. EVERETT H. WHITE, doing business as White Manufacturing Company, St. Paul, Minn.

Filed December 3, 1938. Serial No. 413,462. PUBLISHED MARCH 11, 1941. Class 26.

387,615. PERFUME EXTRACTS, TOILET WATERS, FACE POWDERS, ROUGES, LIPSTICKS, MASCARA, EYEBROW PENCILS, AND PERFUMERY. CARTIER, INC., New York, N. Y.

Filed April 20, 1939. Serial No. 418,476. PUBLISHED MARCH 18, 1941. Class 6.

387,616. SANDWICH COMPOSED OF MEAT, BREAD, SPECIAL SAUCE, RELISHES, AND ONIONS, SERVED WITH SHOE-STRING POTATOES IN A BUCKET SHOWING THE TRADE-MARK, ETC. JOHN EDWARD STRONG, Oklahoma City, Okla.

Filed September 13, 1939. Serial No. 423,621. PUBLISHED MARCH 18, 1941. Class 46.

387,617. RADIO TUNING INSTRUMENTS. RAYMOND W. WOODWARD, West Hartford, Conn.

Filed October 11, 1939. Serial No. 424,452. PUBLISHED MARCH 11, 1941. Class 21.

387,618. CARBONATED, NONALCOHOLIC BEVERAGE. MUTUAL CITRUS PRODUCTS CO. INC., Anaheim, Calif.

Filed October 30, 1939. Serial No. 425,057. PUBLISHED MARCH 18, 1941. Class 45.

387,619. CHILLED AND FROZEN BEEF, LAMB AND PORK, CANNED MEAT—NAMELY, CORNED BEEF, ROAST BEEF, BOILED BEEF, ETC. COMPAÑIA SANSINENA, SOCIEDAD ANONIMA (CARNES Y DERIVADOS), Buenos Aires, Argentina.

Filed November 22, 1939. Serial No. 425,880. PUBLISHED MARCH 18, 1941. Class 46.

387,620. CHILLED AND FROZEN BEEF, LAMB, AND PORK, CANNED MEAT—NAMELY, CORNED BEEF, ROAST BEEF, BOILED BEEF, ETC. COMPAÑIA SANSINENA, SOCIEDAD ANONIMA (CARNES Y DERIVADOS), Buenos Aires, Argentina.

Filed November 22, 1939. Serial No. 425,881. PUBLISHED MARCH 18, 1941. Class 46.

387,621. CHILLED AND FROZEN BEEF, LAMB, AND PORK, CANNED MEAT—NAMELY, CORNED BEEF, ROAST BEEF, BOILED BEEF, ETC. COMPAÑIA SANSINENA, SOCIEDAD ANONIMA (CARNES Y DERIVADOS), Buenos Aires, Argentina.

Filed November 22, 1939. Serial No. 425,883. PUBLISHED MARCH 18, 1941. Class 46.

387,622. ARCHITECTURAL WALL PANELS. ARMSTRONG CORK COMPANY, Lancaster, Pa.

Filed December 13, 1939. Serial No. 426,513. PUBLISHED MARCH 11, 1941. Class 12.

387,623. BITUMINOUS COMPOSITION ROOFING, BITUMINOUS ROOF COATING, BITUMINOUS ROOF CEMENT, ETC. BARBER ASPHALT CORPORATION, Barber, N. J.

Filed January 10, 1940. Serial No. 427,492. PUBLISHED MARCH 11, 1941. Class 12.

387,624. SMOKING AND CHEWING TOBACCO. MID-WEST TOBACCO CO., Cincinnati, Ohio.

Filed January 24, 1940. Serial No. 427,817. PUBLISHED NOVEMBER 12, 1940. Class 17.

387,625. PHOTOGRAPHIC CAMERAS, MOTION PICTURE CAMERAS, ENLARGING APPARATUS, PROJECTORS. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia.

Filed January 26, 1940. Serial No. 427,902. PUBLISHED MARCH 11, 1941. Class 26.

387,626. PHOTOGRAPHIC CAMERAS, MOTION PICTURE CAMERAS, ENLARGING APPARATUS, PROJECTORS. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia.

Filed January 26, 1940. Serial No. 427,903. PUBLISHED MARCH 11, 1941. Class 26.

387,627. PHOTOGRAPHIC CAMERAS, MOTION PICTURE CAMERAS, ENLARGING APPARATUS, PROJECTORS. OPTIKOTECHNA, SPOLEČNOST S R. O., PŘEROV, Prerov, Protectorate of Bohemia and Moravia.

Filed January 26, 1940. Serial No. 427,904. PUBLISHED MARCH 11, 1941. Class 26.

387,628. IMPRESSION PASTE FOR OBTAINING EQUALIZATION OF TISSUE COMPRESSION IN FULL DENTURE IMPRESSIONS. COE LABORATORIES, INC., Chicago, Ill.

Filed February 2, 1940. Serial No. 428,149. PUBLISHED MARCH 18, 1941. Class 44.

387,629. WRAPPERS FOR FOOD PRODUCTS AND GENERAL MERCHANDISE. TRAVER CORPORATION, Chicago, Ill.

Filed February 21, 1940. Serial No. 428,774. PUBLISHED MARCH 18, 1941. Class 2.

387,630. AUTOMATIC THERMALLY OPERATED AIRPLANE ENGINE COOLING LOUVER CONTROLS. AERONAUTICAL MANUFACTURING CORPORATION, Buffalo, N. Y.

Filed March 16, 1940. Serial No. 429,639. PUBLISHED MARCH 18, 1941. Class 26.

387,631. SHEET MUSIC. COLUMBIA RECORDING CORPORATION, New York, N. Y.

Filed March 22, 1940. Serial No. 429,841. PUBLISHED MARCH 4, 1941. Class 38.

387,632. FABRICS MADE OF SILK, RAYON, COTTON, WOOL, AND MIXTURES THEREOF, AND VELVET FABRICS, USED IN THE MAKING OF DRESSES, NECKTIES, SHIRTWAISTS, UNDERWEAR, NEGLIGEES, SHIRTS, UPHOLSTERY, DRAPERIES, AND BEDSPREADS. CHENEY BROTHERS, Manchester, Conn., and New York, N. Y.

Filed April 24, 1940. Serial No. 431,146. PUBLISHED MARCH 18, 1941. Class 42.

387,633. ELECTROMAGNETICALLY OPERATED SWITCHES. LAWRENCE J. LEVINE, New York, N. Y.

Filed April 24, 1940. Serial No. 431,167. PUBLISHED MARCH 18, 1941. Class 21.

387,634. MAGNETIC PARALLELS AND V BLOCKS FOR CHUCKS. GEORGE SCHERR COMPANY, Brooklyn, N. Y.

Filed May 2, 1940. Serial No. 431,499. PUBLISHED MARCH 18, 1941. Class 23.

387,635. SWITCHING AND CONTROLLING DEVICES FOR ELECTRIC CURRENTS. MONITOR CONTROLLER COMPANY, Baltimore, Md.

Filed May 10, 1940. Serial No. 431,784. PUBLISHED MARCH 11, 1941. Class 21.

387,636. GRASS, GRAIN, FORAGE CROPS, AND LEGUME SEEDS. DALE F. BUTLER, Fresno, Calif.

Filed May 13, 1940. Serial No. 431,845. PUBLISHED SEPTEMBER 24, 1940. Class 1.

387,637. PHOTOGRAPHIC PRINTS. ROBERT CRAWFORD, San Francisco, Calif.

Filed May 17, 1940. Serial No. 432,026. PUBLISHED MARCH 4, 1941. Class 38.

387,638. SCREEN WINDOW SASH, STORM WINDOW SASH, COMBINATION DOORS, AND SCREEN DOORS. PHENIX MANUFACTURING COMPANY, INC., Milwaukee, Wis.

Filed May 20, 1940. Serial No. 432,152. PUBLISHED MARCH 4, 1941. Class 12.

387,639. APPLE BRANDY. JACOB S. POLEFSKY, doing business as Lamont-Forbes Co., Jersey City, N. J.

Filed May 21, 1940. Serial No. 432,196. PUBLISHED AUGUST 20, 1940. Class 49.

387,640. PAPER—NAMELY, WRITING PAPER, PRINTING PAPER, PAPER ROLLS, PAPER STRIPS, RECEIPT PAPER, AND AUTOGRAPH PAPER. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio.

Filed May 23, 1940. Serial No. 432,265. PUBLISHED MARCH 18, 1941. Class 37.

387,641. PAPER—NAMELY, WRITING PAPER, PRINTING PAPER, PAPER ROLLS, PAPER STRIPS, RECEIPT PAPER, AND AUTOGRAPH PAPER. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio.

Filed May 23, 1940. Serial No. 432,266. PUBLISHED MARCH 18, 1941. Class 37.

387,642. PAPER—NAMELY, WRITING PAPER, PRINTING PAPER, PAPER ROLLS, PAPER STRIPS, RECEIPT PAPER, AND AUTOGRAPH PAPER. THE NATIONAL CASH REGISTER COMPANY, Dayton, Ohio.

Filed May 23, 1940. Serial No. 432,267. PUBLISHED MARCH 18, 1941. Class 37.

387,643. SCRIPTS FOR A SERIES OF COMMERCIAL BROADCASTS SOLD AS A PUBLICATION IN TRADE. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J.

Filed May 28, 1940. Serial No. 432,425. PUBLISHED MARCH 11, 1941. Class 38.

387,644. TITLE FOR SCRIPTS FOR A SERIES OF COMMERCIAL BROADCASTS SOLD AS A PUBLICATION IN TRADE. THE PRUDENTIAL INSURANCE COMPANY OF AMERICA, Newark, N. J.

Filed June 7, 1940. Serial No. 432,777. PUBLISHED MARCH 11, 1941. Class 38.

387,645. WALLPAPER-HANGERS' TOOL KITS, CONSISTING OF PASTE BRUSH, SMOOTHING BRUSH, CASING WHEEL, SCRAPER, PLUMB BOB, SEAM ROLLER, AND CARPENTERS' CHALK. SEARS, ROEBUCK AND CO., Chicago, Ill.

Filed June 7, 1940. Serial No. 432,785. PUBLISHED MARCH 11, 1941. Class 23.

387,646. CHARTS FOR USE IN CALCULATING THE LIFE OF BRAKE LININGS. SAMUEL F. DUPREE, JR., Beverly Hills, Calif.

Filed June 8, 1940. Serial No. 432,811. PUBLISHED MARCH 11, 1941. Class 26.

387,647. ELECTRIC TABLE AND FLOOR LAMPS. THE MILLER COMPANY, Meriden, Conn.

Filed June 8, 1940. Serial No. 432,829. PUBLISHED MARCH 11, 1941. Class 21.

387,648. MACHINES FOR DRYING OR EVAPORATING LIQUIDS, INCLUDING ROTARY DRYERS, AND EVAPORATORS. BUFFALO FOUNDRY & MACHINE CO., Buffalo, N. Y.

Filed June 26, 1940. Serial No. 433,375. PUBLISHED MARCH 18, 1941. Class 23.

387,649. GIN AND BEVERAGES CONTAINING GIN. JOSEPH E. SEAGRAM & SONS, INC., Lawrenceburg, Ind.

Filed June 26, 1940. Serial No. 433,412. PUBLISHED MARCH 18, 1941. Class 49.

387,650. WRENCHES, BORING BITS, PUNCHES, BOLT BREAKERS, RIP PLATE TOOLS FOR USE IN THE APPLICATION OF BELT FASTENERS AND RIP PLATES, AND TEMPLETS FOR USE IN APPLYING BELT FASTENERS AND RIP PLATES TO BELTS. FLEXIBLE STEEL LACING COMPANY, Chicago, Ill.

Filed July 1, 1940. Serial No. 433,564. PUBLISHED MARCH 11, 1941. Class 23.

387,651. CURTAINS, DRAPES, VALANCES, AND FABRICS THEREFOR. FORSTER TEXTILE MILLS, INC., Chicago Heights, Ill.

Filed July 29, 1940. Serial No. 434,437. PUBLISHED MARCH 18, 1941. Class 42.

387,652. MINERAL DAIRY CATTLE FEED. WUICHET PRODUCTS, INC., Dayton, Ohio.

Filed August 1, 1940. Serial No. 434,587. PUBLISHED MARCH 18, 1941. Class 46.

387,653. INSULATING BRICK. THE DENVER FIRE CLAY COMPANY, Denver, Colo.

Filed August 6, 1940. Serial No. 434,713. PUBLISHED MARCH 4, 1941. Class 12.

387,654. WALL PAPER CLEANER. THE CLEVELAND CLEANER AND PASTE CO., Cleveland, Ohio.

Filed August 12, 1940. Serial No. 434,898. PUBLISHED MARCH 18, 1941. Class 4.

387,655. AIRPLANES AND AIRPLANE STRUCTURAL PARTS. LUSCOMBE AIRPLANE CORPORATION, West Trenton, N. J.

Filed August 17, 1940. Serial No. 435,088. PUBLISHED NOVEMBER 5, 1940. Class 19.

387,656. BOOKS ADAPTED FOR USE WITH PHONOGRAPH RECORDS. THE TALKING BOOK CORPORATION OF AMERICA, INC., New York, N. Y.

Filed August 21, 1940. Serial No. 435,224. PUBLISHED MARCH 4, 1941. Class 38.

387,657. LAND LEVELING AND MATERIAL HANDLING ATTACHMENTS FOR TRACTORS. BUCYRUS-ERIE COMPANY, South Milwaukee, Wis.

Filed September 3, 1940. Serial No. 435,605. PUBLISHED MARCH 11, 1941. Class 23.

387,658. MAHOGANY WOODS AND VENEERS. THE FREIBERG MAHOGANY COMPANY, Cincinnati, Ohio.

Filed September 4, 1940. Serial No. 435,650. PUBLISHED MARCH 4, 1941. Class 12.

387,659. CIGARS. CONSTANTINO GONZALEZ Y CIA. S. EN C., Habana, Cuba.

Filed September 9, 1940. Serial No. 435,790. PUBLISHED MARCH 18, 1941. Class 17.

387,660. MEDICINAL PREPARATION FOR THE TREATMENT OF INFECTIOUS DISEASES, ETC. SOCIETY OF CHEMICAL INDUSTRY IN BASEL, Basel, Switzerland.

Filed September 9, 1940. Serial No. 435,817. PUBLISHED MARCH 18, 1941. Class 6.

387,661. INFANTS' PORTABLE BATHING DEVICES—NAMELY, TABLES, SHOWER ENCLOSURES, AND BATHING HAMMOCKS; PLAY PENS, CRIBS, PILLOWS, CHESTS, AND HIGH CHAIRS. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed September 20, 1940. Serial No. 436,159. PUBLISHED MARCH 11, 1941. Class 32.

387,662. PUBLICATION ISSUED PERIODICALLY. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio.
Filed September 23, 1940. Serial No. 436,294. PUBLISHED MARCH 4, 1941. Class 38.

387,663. SERIES OF CARTOONS. TRIBUNE COMPANY, Chicago, Ill.
Filed September 24, 1940. Serial No. 436,327. PUBLISHED MARCH 4, 1941. Class 38.

387,664. INCANDESCENT ELECTRIC LAMPS AND LIGHTING UNITS. CLIMAX REFLECTOR, INC., Cleveland, Ohio.
Filed September 28, 1940. Serial No. 436,462. PUBLISHED MARCH 11, 1941. Class 21.

387,665. STORAGE BATTERIES. GLOBE-UNION INC., Milwaukee, Wis.
Filed October 7, 1940. Serial No. 436,602. PUBLISHED MARCH 18, 1941. Class 21.

387,666. ARTICLES PUBLISHED AT INTERVALS DESCRIPTIVE OF FASHIONS FOR YOUNG GIRLS. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed October 8, 1940. Serial No. 436,740. PUBLISHED MARCH 11, 1941. Class 38.

387,667. FILLERS, TABLETS, BLANK BOOKS, AND COMPOSITION BOOKS. WORTENDYKE MANUFACTURING CO., Richmond, Va.
Filed October 8, 1940. Serial No. 436,751. PUBLISHED MARCH 18, 1941. Class 37.

387,668. STRINGED MUSICAL INSTRUMENTS—NAMELY, VIOLINS, GUITARS, VIOLAS, CELLOS, BASS VIOLINS, ETC. DORN & KIRSCHNER BAND INSTRUMENT CO., INC., Newark, N. J.
Filed October 9, 1940. Serial No. 436,760. PUBLISHED MARCH 11, 1941. Class 36.

387,669. WASHING AND CLEANING PREPARATION HAVING INCIDENTAL ANTISEPTIC AND BLEACHING PROPERTIES. PLEE-ZING, INC., Chicago, Ill.
Filed October 9, 1940. Serial No. 436,778. PUBLISHED MARCH 18, 1941. Class 4.

387,670. SYNTHETIC OZOKERITE. INTER-AMERICA ASSOCIATES, INC., New York, N. Y.
Filed October 11, 1940. Serial No. 436,847. PUBLISHED MARCH 18, 1941. Class 1.

387,671. FINISHED IRON AND IRON ALLOY CASTINGS AND MACHINE PARTS—NAMELY, BALL MILL LINERS, PUMP PARTS, BALL MILL SCOOP LIPS, CLASSIFIER SHOES, FLOTATION MACHINE IMPELLERS, AND WEARING PLATES. DENVER EQUIPMENT COMPANY, Denver, Colo.
Filed October 14, 1940. Serial No. 436,923. PUBLISHED MARCH 11, 1941. Class 23.

387,672. AMMUNITION ROUNDS COUNTER ASSEMBLIES FOR AIRCRAFT MACHINE GUN INSTALLATIONS, MARINE SPEEDOMETERS, MARINE SPEEDOMETER-LOGS, BAROMETERS, WIND DIRECTION INDICATORS, ANEMOMETERS, AND STABILITY AND TRIM INDICATORS. KENYON INSTRUMENT CO. INC., Huntington Station, N. Y.
Filed October 16, 1940. Serial No. 437,003. PUBLISHED MARCH 11, 1941. Class 26.

387,673. SWEAT SHIRT. ONEITA KNITTING MILLS, Utica, N. Y.
Filed October 16, 1940. Serial No. 437,010. PUBLISHED MARCH 18, 1941. Class 39.

387,674. MAGAZINE OR PERIODICAL ISSUED MONTHLY. DONALD C. ALFORD, New York, N. Y.
Filed October 17, 1940. Serial No. 437,022. PUBLISHED MARCH 4, 1941. Class 38.

387,675. WITHDRAWN.

387,676. SCRIPTS FOR A SERIES OF RADIO BROADCASTS, SOLD AS A PUBLICATION IN TRADE. BLANCHE MASON TELLIS, Chicago, Ill.
Filed October 22, 1940. Serial No. 437,186. PUBLISHED MARCH 11, 1941. Class 38.

387,677. WOMEN'S AND MISSES' DRESSES, COATS, SUITS, UNDERWEAR, PAJAMAS, NIGHTGOWNS, AND KIMONOS, AND CHILDREN'S COATS. UNDERWEAR, NIGHTGOWNS, AND KIMONOS. ROLANDA MODES, INC., New York, N. Y.
Filed October 24, 1940. Serial No. 437,251. PUBLISHED MARCH 18, 1941. Class 39.

387,678. GAMES, COMPRISING A GAME BOARD EQUIPPED WITH PIECES FOR PLACEMENT AND MOVEMENT ON THE BOARD. A. B. CHANCE COMPANY, Centralia, Mo.
Filed October 25, 1940. Serial No. 437,270. PUBLISHED MARCH 18, 1941. Class 22.

387,679. SERIES OF CARTOONS. TRIBUNE COMPANY, Chicago, Ill.
Filed October 25, 1940. Serial No. 437,293. PUBLISHED MARCH 4, 1941. Class 38.

387,680. COFFEE FLAVORED CANDY TABLETS. COCILANA, INC., Brooklyn, N. Y.
Filed November 1, 1940. Serial No. 437,464. PUBLISHED MARCH 18, 1941. Class 46.

387,681. GAS COOKING STOVE. ARTHUR R. PITMAN, doing business as Arthur & Foster, Lynn, Mass., assignor to Alfred T. Pitman, Atlanta, Ga.
Filed November 1, 1940. Serial No. 437,481. PUBLISHED MARCH 18, 1941. Class 34.

387,682. LIVING ROOM, DINING ROOM, BEDROOM, AND KITCHEN FURNITURE. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed November 4, 1940. Serial No. 437,541. PUBLISHED MARCH 18, 1941. Class 32.

387,683. CORDUROY PIECE GOODS. BROOKHAVEN TEXTILES, INC., New York, N. Y.
Filed November 7, 1940. Serial No. 437,642. PUBLISHED MARCH 18, 1941. Class 42.

387,684. SHOE POLISH. OMEGA SHOE POLISH CO., Los Angeles, Calif.
Filed November 7, 1940. Serial No. 437,662. PUBLISHED MARCH 18, 1941. Class 4.

387,685. COSMETICS—NAMELY, TALCUM AND FACE POWDERS. BO-KAY PERFUME CO., New York, N. Y.
Filed November 15, 1940. Serial No. 437,891. PUBLISHED MARCH 18, 1941. Class 6.

387,686. SAPPHIRES AND PRECIOUS STONES. TRABERT & HOEFFER INC., New York, N. Y.
Filed November 15, 1940. Serial No. 437,920. PUBLISHED MARCH 11, 1941. Class 28.

387,687. RUBIES AND PRECIOUS STONES. TRABERT & HOEFFER INC., New York, N. Y.
Filed November 15, 1940. Serial No. 437,921. PUBLISHED MARCH 11, 1941. Class 28.

387,688. CANDY. FRED W. AMEND CO., Danville, Ill.
Filed November 18, 1940. Serial No. 437,986. PUBLISHED MARCH 11, 1941. Class 46.

387,689. READY MIXED PAINTS. DUPLI-COLOR PRODUCTS COMPANY, Chicago, Ill.
Filed November 18, 1940. Serial No. 437,999. PUBLISHED MARCH 18, 1941. Class 16.

387,690. LUBRICATING OILS AND GREASES. THE ELCO GREASE AND OIL COMPANY, Cleveland, Ohio.
Filed November 20, 1940. Serial No. 438,070. PUBLISHED MARCH 4, 1941. Class 15.

387,691. PREPARATION FOR PURIFYING THE BLOOD AND SKIN INFECTIONS. AARON C. CROWE, Durham, N. C.
Filed November 25, 1940. Serial No. 438,195. PUBLISHED MARCH 18, 1941. Class 6.

387,692. MONTHLY MAGAZINES, PERIODICALS CONTAINING NEWS OF PHOTOGRAPHIC GOODS AND PRODUCTS, MONTHLY HOUSE ORGAN, DATA BOOKS FOR PHOTOGRAPHIC GOODS AND MATERIALS, AND PHOTOGRAPHIC REFERENCE HANDBOOK. THE EASTMAN KODAK COMPANY, Jersey City, N. Y., and Rochester, N. Y.
Filed November 26, 1940. Serial No. 438,237. PUBLISHED MARCH 4, 1941. Class 38.

387,693. PERIODICAL PROGRAM SKITS FOR RADIO, DISTRIBUTED AS A PUBLICATION IN INTERSTATE TRADE. LINCO PRODUCTS CORPORATION, Chicago, Ill.
Filed November 26, 1940. Serial No. 438,245. PUBLISHED MARCH 11, 1941. Class 38.

387,694. NON-INFLAMMABLE WINDOW AND GLASS CLEANER. PHYSICIANS & HOSPITALS SUPPLY CO., INC., doing business as Ulmer Pharmacal Company, Minneapolis, Minn.
Filed November 27, 1940. Serial No. 438,281. PUBLISHED MARCH 18, 1941. Class 4.

387,695. NOTE BOOKS. WORTENDYKE MANUFACTURING CO., Richmond, Va.
Filed November 27, 1940. Serial No. 438,292. PUBLISHED MARCH 18, 1941. Class 37.

387,696. FLUORESCENT LAMP FIXTURES. ARROW CA-TA-LITE COMPANY, INC., Boston, Mass.
Filed November 28, 1940. Serial No. 438,296. PUBLISHED MARCH 11, 1941. Class 21.

387,697. CLEANING FLUID KITS CONTAINING LIQUID CHEMICALS FOR REMOVING SPOTS IN CLEANING CLOTHING, FABRICS, AND THE LIKE. DEWEY I. DOYLE, doing business as Doyle Vacuum Cleaner Co., Grand Rapids, Mich.
Filed November 30, 1940. Serial No. 438,380. PUBLISHED MARCH 11, 1941. Class 4.

387,698. ELECTRICAL VACUUM CLEANERS. DEWEY I. DOYLE, doing business as Doyle Vacuum Cleaner Co., Grand Rapids, Mich.
Filed November 30, 1940. Serial No. 438,381. PUBLISHED MARCH 11, 1941. Class 21.

387,699. ADDING MACHINE PAPER, ADDRESS BOOKS, ARCH FILES, BRIEF COVERS, CALENDAR PADS, ETC. STATIONERS' GUILD OF AMERICA, Philadelphia, Pa.
Filed November 30, 1940. Serial No. 438,407. PUBLISHED MARCH 18, 1941. Class 37.

387,700. ROTARY WEEDERS. CALKINS MANUFACTURING COMPANY, Spokane, Wash.
Filed December 4, 1940. Serial No. 438,500. PUBLISHED MARCH 11, 1941. Class 23.

387,701. MEAT AND BONE CUTTING MACHINES. ALL AMERICAN MEAT & BONE CUTTER CO., Los Angeles, Calif.
Filed December 6, 1940. Serial No. 438,564. PUBLISHED MARCH 11, 1941. Class 23.

387,702. NONALCOHOLIC MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND CONCENTRATE FOR MAKING THE SAME. GURACHS FOOD PRODUCTS, INC., Jersey City, N. J.
Filed December 6, 1940. Serial No. 438,571. PUBLISHED MARCH 18, 1941. Class 45.

387,703. HARDTACK WAFERS AND DISCS. HAROLD E. BJORLIN, doing business as Bjorlin Flakee-Ry Co., Duluth, Minn.
Filed December 9, 1940. Serial No. 438,644. PUBLISHED MARCH 18, 1941. Class 46.

387,704. DOG FOOD. PHILIP FISCHER, Chicago, Ill.
Filed December 9, 1940. Serial No. 438,649. PUBLISHED MARCH 18, 1941. Class 46.

387,705. WHISKEY. HIRSCH DISTILLING COMPANY, Kansas City, Mo.
Filed December 9, 1940. Serial No. 438,654. PUBLISHED MARCH 18, 1941. Class 49.

387,706. GARMENT HANGERS, HOSE STRETCHER FORMS, AND SWEATER DRYER FORMS. LEON F. ANSBACHER, doing business as Fairy Hanger Co., New York, N. Y.
Filed December 12, 1940. Serial No. 438,749. PUBLISHED MARCH 18, 1941. Class 50.

387,707. HONEY. D. F. BARNES, Homerville, Ga.
Filed December 12, 1940. Serial No. 438,754. PUBLISHED MARCH 18, 1941. Class 46.

387,708. NEWSPAPER. TIMES PUBLISHING CORPORATION, Beverly, Mass.
Filed December 12, 1940. Serial No. 438,781. PUBLISHED MARCH 18, 1941. Class 38.

387,709. AUTOMATIC SELF-FEEDING GREASING CUPS. ACE LUBRICATING EQUIPMENT CO., Detroit, Mich.
Filed December 13, 1940. Serial No. 438,784. PUBLISHED MARCH 11, 1941. Class 23.

387,710. NON-ELECTRICAL ADVERTISING SIGNS OF METAL. THE AMERICAN ART WORKS, INC., Coshocton, Ohio.
Filed December 13, 1940. Serial No. 438,785. PUBLISHED MARCH 18, 1941. Class 50.

387,711. SOAP DISHES, TOWEL BARS, ROLL HOLDERS, TUMBLER AND TOOTHBRUSH HOLDERS, TOWEL RACKS, AND UTILITY HOOKS, ALL FOR ATTACHMENT TO A WALL OR OTHER SUPPORT, AND GLASS AND PORCELAIN BATHROOM SHELVES AND SHELF BRACKETS THEREFOR. THE AUTOYRE COMPANY, INCORPORATED, Oakville, Conn.
Filed December 13, 1940. Serial No. 438,788. PUBLISHED MARCH 18, 1941. Class 13.

387,712. SERIES OF CARTOONS. THE ASSOCIATED PRESS, New York, N. Y.
Filed December 14, 1940. Serial No. 438,827. PUBLISHED MARCH 4, 1941. Class 38.

387,713. LAWN MOWERS. DILLE & MCGUIRE MFG. CO., Richmond, Ind.
Filed December 16, 1940. Serial No. 438,872. PUBLISHED MARCH 18, 1941. Class 23.

387,714. FOOD PRODUCTS NAMELY, COFFEE. FLAVORSTAR MFG. CO., Los Angeles, Calif.
Filed December 16, 1940. Serial No. 438,875. PUBLISHED MARCH 18, 1941. Class 46.

387,715. CANNED VEGETABLES AND FRUITS AND TOMATO PASTE. H & H GROCERY CO., Baltimore, Md.
Filed December 16, 1940. Serial No. 438,882. PUBLISHED MARCH 18, 1941. Class 46.

387,716. FRESH CITRUS FRUITS—NAMELY, ORANGES, TANGERINES, AND GRAPEFRUITS. ROPER BROS., INC., Winter Garden, Fla.
Filed December 16, 1940. Serial No. 438,905. PUBLISHED MARCH 18, 1941. Class 46.

387,717. FRESH VEGETABLES, FRESH CITRUS FRUITS, AND FRESH DECIDUOUS FRUITS. D. J. FLETCHER, Eagle Pass, Tex.
Filed December 17, 1940. Serial No. 438,925. PUBLISHED MARCH 18, 1941. Class 46.

387,718. ROUGE, LIPSTICK, SACHET, PERFUMES, BATH SALTS, BATH OIL, ASTRINGENTS, TALCUM POWDER, FACE POWDER, COLOGNE, DUSTING POWDER, SKIN CREAMS, NAIL POLISH, SUN PREPARATIONS, MASCARA, WAVE SETS, AND LOTIONS. BABS CREATIONS, INC., New York, N. Y.
Filed December 19, 1940. Serial No. 439,010. PUBLISHED MARCH 18, 1941. Class 6.

387,719. WOMEN'S DRESSES, COATS, SUITS AND FUR COATS AND FUR JACKETS. JOSEPH BERKMAN, doing business as Berkman Brothers, Pittsburgh, Pa.
Filed December 19, 1940. Serial No. 439,012. PUBLISHED MARCH 18, 1941. Class 39.

387,720. BEER. BOSCOBEL BREWING CO., Boscobel, Wis.
Filed December 20, 1940. Serial No. 439,039. PUBLISHED MARCH 4, 1941. Class 48.

387,721. FINGER NAIL ENAMEL AND LIPSTICK. LADY ESTHER LTD., Chicago, Ill.
Filed December 20, 1940. Serial No. 439,048. PUBLISHED MARCH 18, 1941. Class 6.

387,722. SERIES OF CARTOONS. TRIBUNE COMPANY, Chicago, Ill.
Filed December 20, 1940. Serial No. 439,060. PUBLISHED MARCH 4, 1941. Class 38.

387,723. SECTION OF A PERIODICAL. PATTERSON PUBLISHING COMPANY, Chicago, Ill.
Filed December 23, 1940. Serial No. 439,124. PUBLISHED MARCH 4, 1941. Class 38.

387,724. HARDWOOD DISTILLATES USED AS INHIBITORS AGAINST SLUDGE FORMATION IN SCRUBBING OILS FOR ARTIFICIAL GAS. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn.
Filed December 23, 1940. Serial No. 439,130. PUBLISHED MARCH 18, 1941. Class 6.

387,725. FACE CREAM, SKIN OILS, AND ASTRINGENTS. ALEXANDER S. ALEXANDER, Chicago, Ill.
Filed December 23, 1940. Serial No. 439,142. PUBLISHED MARCH 18, 1941. Class 6.

387,726. ELECTRIC FENCE CHARGING APPARATUS AND EQUIPMENT, INCLUDING INSULATORS AND BRACKETS, AND THE LIKE. BABSON BROS. CO., Chicago, Ill.
Filed December 26, 1940. Serial No. 439,190. PUBLISHED MARCH 11, 1941. Class 21.

387,727. FINISHING ROLLS FOR ROLLING MILLS. BIRDSBORO STEEL FOUNDRY AND MACHINE COMPANY, Birdsboro, Pa.
Filed December 26, 1940. Serial No. 439,193. PUBLISHED MARCH 18, 1941. Class 23.

387,728. LEAK FINDER FLUID. JOHN A. WALDORF, doing business as Visible Leak Finder Co., Los Angeles, Calif.
Filed December 26, 1940. Serial No. 439,214. PUBLISHED MARCH 18, 1941. Class 6.

387,729. WATCHES—NAMELY WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed December 27, 1940. Serial No. 439,221. PUBLISHED MARCH 18, 1941. Class 27.

387,730. PIECE GOODS MADE OF WOOL, WORSTED, SILK, COTTON, LINEN OR RAYON, OR ANY COMBINATION THEREOF. BRITTON FABRICS, New York, N. Y.
Filed December 28, 1940. Serial No. 439,248. PUBLISHED MARCH 18, 1941. Class 42.

387,731. HAIR AND SCALP SHAMPOO, WAVING LOTIONS, CURLING FLUIDS, AND ROSE OIL, BRILLIANTINE, HAND AND SKIN LOTION, CREAMS, AND CHEMICALS FOR THE BEAUTICIAN. CHARLES BANKS, doing business as Nar-O Company, St. Louis, Mo.
Filed December 30, 1940. Serial No. 439,265. PUBLISHED MARCH 18, 1941. Class 6.

387,732. MONTHLY MAGAZINE. THE CROWELL-COLLIER PUBLISHING COMPANY, New York, N. Y.
Filed December 30, 1940. Serial No. 439,268. PUBLISHED MARCH 18, 1941. Class 38.

387,733. BLOTTING PAPER, COVER PAPER, BOX COVERING PAPER, BOOK PAPER, BOND PAPER, AND BRISTOL BOARD. DISTRICT OF COLUMBIA PAPER MILLS, INC., Washington, D. C.
Filed December 30, 1940. Serial No. 439,270. PUBLISHED MARCH 18, 1941. Class 37.

387,734. ADJUSTABLE HONING MACHINES AND FOR TOOLS FOR ADJUSTING THE HONES OF HONING MACHINES. MICROMATIC HONE CORPORATION, Detroit, Mich.
Filed December 30, 1940. Serial No. 439,293. PUBLISHED MARCH 11, 1941. Class 23.

387,735. NEWSPAPER FEATURE OR COLUMN. NORTH AMERICAN NEWSPAPER ALLIANCE, INC., New York, N. Y.
Filed December 30, 1940. Serial No. 439,294. PUBLISHED MARCH 18, 1941. Class 38.

387,736. PACKAGED CHILDREN'S AND INFANTS' GARMENTS—NAMELY, SHIRTS, VESTS, NIGHTGOWNS, AND ABDOMINAL BANDS. EARNSHAW KNITTING COMPANY, Newton, Mass.
Filed December 31, 1940. Serial No. 439,303. PUBLISHED MARCH 18, 1941. Class 39.

387,737. METAL CLEANERS IN LIQUID AND PASTE FORM. JAMES J. LAX, New York, N. Y.
Filed December 31, 1940. Serial No. 439,307. PUBLISHED MARCH 18, 1941. Class 4.

387,738. WRAPPING AND COVER PAPER. DETROIT SULPHITE PULP & PAPER CO., Detroit, Mich.
Filed January 2, 1941. Serial No. 439,334. PUBLISHED MARCH 18, 1941. Class 37.

387,739. VITAMIN PREPARATIONS, VITAMIN CONCENTRATES, AND THE LIKE, USED IN MEDICINE AND PHARMACY. INTERNATIONAL VITAMIN CORP., New York, N. Y.
Filed January 2, 1941. Serial No. 439,344. PUBLISHED MARCH 18, 1941. Class 6.

387,740. CIGARS. FRANCIS H. LEGGETT & COMPANY, New York, N. Y.
Filed January 2, 1941. Serial No. 439,349. PUBLISHED MARCH 18, 1941. Class 17.

387,741. JEWELRY FOR PERSONAL WEAR AND ADORNMENT, NOT INCLUDING WATCHES. D. LISNER & CO., INC., New York, N. Y.
Filed January 2, 1941. Serial No. 439,351. PUBLISHED MARCH 11, 1941. Class 28.

387,742. PORCELAIN ENAMEL FRITS. THE PORCELAIN ENAMEL AND MANUFACTURING COMPANY OF BALTIMORE, doing business as Porcelain Enamel and Manufacturing Company, Baltimore, Md.
Filed January 2, 1941. Serial No. 439,363. PUBLISHED MARCH 18, 1941. Class 1.

387,743. COLOR SELECTOR. UNITED STATES PAPER CORP., Chicago, Ill.
Filed January 2, 1941. Serial No. 439,372. PUBLISHED MARCH 11, 1941. Class 26.

387,744. MECHANICAL PENCILS AND FOUNTAIN PENS. RITE-RITE MFG. CO., Chicago, Ill.
Filed January 4, 1941. Serial No. 439,418. PUBLISHED MARCH 18, 1941. Class 37.

387,745. SPECTACLE FRAMES AND OPTICAL FRAMES AND MOUNTINGS. CORTNE OPTICAL CO., INC., New York, N. Y.
Filed January 7, 1941. Serial No. 439,459. PUBLISHED MARCH 11, 1941. Class 26.

387,746. CHEMICAL COMPOUNDS KNOWN BY THE GENERIC NAME NYLON, AND MORE PARTICULARLY DESCRIBED AS BEING SYNTHETIC FIBER-FORMING POLYMERIC AMIDES HAVING A PROTEIN-LIKE CHEMICAL STRUCTURE AND PRODUCED IN VARIOUS FORMS, BUT ESPECIALLY IN FILAMENT SHAPE. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed January 7, 1941. Serial No. 439,460. PUBLISHED MARCH 18, 1941. Class 1.

387,747. STORAGE BATTERY CHARGERS. JORDAN ELECTRICAL MANUFACTURING COMPANY, Minneapolis, Minn.
Filed January 7, 1941. Serial No. 439,467. PUBLISHED MARCH 11, 1941. Class 21.

387,748. SENSITIZED PHOTOGRAPHIC MATERIALS—NAMELY, PAPER AND FILMS, AND FILMS BEARING DEVELOPED PHOTOGRAPHIC IMAGES. GASPARCOLOR, INC., Hollywood, Calif.
Filed January 8, 1941. Serial No. 439,480. PUBLISHED MARCH 18, 1941. Class 26.

387,749. PHOTOGRAPHIC CHEMICALS. GASPARCOLOR, INC., Hollywood, Calif.
Filed January 8, 1941. Serial No. 439,481. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,750. SENSITIZED PHOTOGRAPHIC MATERIALS—NAMELY, PAPER AND FILMS, AND FILMS BEARING DEVELOPED PHOTOGRAPHIC IMAGES. GASPARCOLOR, INC., Hollywood, Calif.
Filed January 8, 1941. Serial No. 439,482. PUBLISHED MARCH 18, 1941. Class 26.

387,751. PHOTOGRAPHIC CHEMICALS. GASPARCOLOR, INC., Hollywood, Calif.
Filed January 8, 1941. Serial No. 439,483. PUBLISHED FEBRUARY 25, 1941. Class 6.

387,752. COATED OR VARNISHED PAPER. STANDARD INSULATION COMPANY, East Rutherford, N. J.
Filed January 8, 1941. Serial No. 439,497. PUBLISHED MARCH 18, 1941. Class 37.

387,753. RIBBON BOWS. GENERAL RIBBON MILLS, INC., Dover, Del., and New York, N. Y.
Filed January 10, 1941. Serial No. 439,543. PUBLISHED MARCH 18, 1941. Class 40.

387,754. FACE POWDERS. GERMAINE MONTEIL COSMETIQUES CORPORATION, New York, N. Y.
Filed January 11, 1941. Serial No. 439,591. PUBLISHED MARCH 18, 1941. Class 6.

387,755. APPARATUS FOR DETERMINING FLUID PRESSURE ON SURFACES, APPARATUS FOR DETERMINING TORQUE IN ROTATING EQUIPMENT. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed January 13, 1941. Serial No. 439,637. PUBLISHED MARCH 11, 1941. Class 26.

387,756. SYNTHETIC RESINS. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed January 14, 1941. Serial No. 439,669. PUBLISHED MARCH 18, 1941. Class 1.

387,757. SYNTHETIC RESINS. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed January 14, 1941. Serial No. 439,670. PUBLISHED MARCH 18, 1941. Class 1.

387,758. SALVE FOR THE TREATMENT OF CUTANEOUS IRRITATIONS, BURNS, SUNBURN, CHAP, TENDER FEET, ETC. THE WILSON CHEMICAL COMPANY, INC., Tyrone, Pa.
Filed January 14, 1941. Serial No. 439,679. PUBLISHED MARCH 18, 1941. Class 6.

387,759. CANNED SHRIMP AND CANNED OYSTERS. JOHN MURRAY HUMPHREYS, doing business as Humphreys Canning Co., Gulfport, Miss.
Filed January 15, 1941. Serial No. 439,695. PUBLISHED MARCH 18, 1941. Class 46.

387,760. GIN, WHISKEY, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JOSEPH S. FINCH AND COMPANY, New York, N. Y., Schenley, Pa., and Lawrenceburg, Ind.
Filed January 17, 1941. Serial No. 439,752. PUBLISHED MARCH 18, 1941. Class 49.

387,761. CLEAR AND PIGMENTED LACQUERS, LACQUER ENAMELS AND BAKING ENAMELS. ROXALIN FLEXIBLE LACQUER COMPANY, INC., Elizabeth, N. J.
Filed January 21, 1941. Serial No. 439,830. PUBLISHED MARCH 18, 1941. Class 16.

387,762. CLEAR AND PIGMENTED UREA FORMALDEHYDE VARNISHES AND BAKING ENAMELS. ROXALIN FLEXIBLE LACQUER COMPANY, INC., Elizabeth, N. J.
Filed January 21, 1941. Serial No. 439,832. PUBLISHED MARCH 18, 1941. Class 16.

387,763. SUBSTANCES HAVING CHEMICAL AND PHYSIOLOGICAL PROPERTIES RELATIVELY SIMILAR TO AND EQUIVALENT TO EPHEDRINE, AMPHETAMINE, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed January 21, 1941. Serial No. 439,838. PUBLISHED MARCH 18, 1941. Class 6.

387,764. SCALP SALVE OR OINTMENT. ERNEST YANCEY, doing business as Scalp-X Company, Cleveland, Ohio.
Filed January 21, 1941. Serial No. 439,853. PUBLISHED MARCH 18, 1941. Class 6.

387,765. NAIL POLISH. FLORID CO., New York, N. Y.
Filed January 22, 1941. Serial No. 439,862. PUBLISHED MARCH 18, 1941. Class 6.

387,766. FOOT AND BODY POWDER. X.B.A. CHEMICAL COMPANY, Lexington, N. C.
Filed January 22, 1941. Serial No. 439,885. PUBLISHED MARCH 4, 1941. Class 6.

387,767. HAIR TINTS, HAIR DYE, HAIR WASHES, SHAMPOO, AND HAIR DYE REMOVERS. CLAIROL, INCORPORATED, Stamford, Conn.
Filed January 23, 1941. Serial No. 439,888. PUBLISHED MARCH 18, 1941. Class 6.

387,768. LIQUEUR. POPPER-MORSON CO., INC., Jersey City, N. J.
Filed January 28, 1941. Serial No. 440,056. PUBLISHED MARCH 18, 1941. Class 49.

387,769. ROCK AND BRANDY. POPPER-MORSON CO., INC., Jersey City, N. J.
Filed January 28, 1941. Serial No. 440,057. PUBLISHED MARCH 18, 1941. Class 49.

387,770. HAIR SHAMPOO. WILLIAM COOPER & NEPHEWS, INCORPORATED, Chicago, Ill.
Filed January 29, 1941. Serial No. 440,084. PUBLISHED MARCH 18, 1941. Class 6.

387,771. MEDICINES AND PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF THE SKIN AND SCALP. DOME CHEMICALS, INC., New York, N. Y.
Filed February 1, 1941. Serial No. 440,190. PUBLISHED MARCH 18, 1941. Class 6.

387,772. MEDICINES AND PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF THE SKIN AND SCALP. DOME CHEMICALS, INC., New York, N. Y.
Filed February 1, 1941. Serial No. 440,191. PUBLISHED MARCH 18, 1941. Class 6.

387,773. MOTHPROOFING COMPOUND. THE RICHARDS CHEMICAL WORKS, Jersey City, N. J.
Filed February 1, 1941. Serial No. 440,212. PUBLISHED MARCH 18, 1941. Class 6.

387,774. MOTHPROOFING COMPOUND. THE RICHARDS CHEMICAL WORKS, Jersey City, N. J.
Filed February 1, 1941. Serial No. 440,213. PUBLISHED MARCH 18, 1941. Class 6.

387,775. LIQUID PETROLATUM. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed February 1, 1941. Serial No. 440,216. PUBLISHED MARCH 18, 1941. Class 6.

387,776. LIQUID PETROLATUM. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed February 1, 1941. Serial No. 440,219. PUBLISHED MARCH 18, 1941. Class 6.

387,777. LIQUID PETROLATUM. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed February 1, 1941. Serial No. 440,220. PUBLISHED MARCH 18, 1941. Class 6.

387,778. GELATINOUS CHEMICAL USED AS A SIZING AND FINISHING MEDIUM IN THE TREATMENT OF TEXTILE FABRICS. HAAS-MILLER CORP., Philadelphia, Pa.
Filed February 3, 1941. Serial No. 440,245. PUBLISHED MARCH 18, 1941. Class 6.

387,779. SODIUM MANNURONATE USED IN THE TEXTILE INDUSTRY FOR SIZING WARPS AND FOR GENERAL TEXTILE FINISHING. HAAS-MILLER CORP., Philadelphia, Pa.
Filed February 3, 1941. Serial No. 440,246. PUBLISHED MARCH 18, 1941. Class 6.

387,780. COLLOIDAL DISPERSION SUITABLE FOR WATER-PROOFING TEXTILES. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed February 5, 1941. Serial No. 440,329. PUBLISHED MARCH 18, 1941. Class 6.

387,781. FOLDABLE WASH BASKET WHICH IS MADE OF CANVAS AND WHICH IS ATTACHED TO A FOLDABLE SUPPORT. WESLEY KLIEWER, doing business as Nevr-Stoop Basket Co., Reedley, Calif.
Filed February 5, 1941. Serial No. 440,335. PUBLISHED MARCH 18, 1941. Class 2.

387,782. ANTISEPTIC. B & M COMPANY, Grand Saline, Tex.
Filed February 6, 1941. Serial No. 440,353. PUBLISHED MARCH 18, 1941. Class 6.

387,783. MEDICINAL PREPARATION FOR TREATMENT OF THE BLOOD. ANGLO-FRENCH LABORATORIES, INC., New York, N. Y.
Filed February 7, 1941. Serial No. 440,402. PUBLISHED MARCH 18, 1941. Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

387,784. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL CABLE CORPORATION, New York, N. Y. Filed Mar. 31, 1938. Serial No. 404,700.

AQUASEAL

FOR INSULATED ELECTRICAL WIRES AND CABLES.
Claims use since Feb. 24, 1938.

387,785. (CLASS 39. CLOTHING.) BENTLEY DRESSES, INC., New York, N. Y. Filed Jan. 18, 1939. Serial No. 414,944.

ORIGINAL *Adair* FASHIONS

FOR WOMEN'S AND MISSES' DRESSES, COATS, SUITS, AND BLOUSES.
Claims use since Feb. 1. 1938.

387,786. (CLASS 39. CLOTHING.) NATIONAL SILK HOSIERY MILLS, INC., Indianapolis, Ind. Filed Apr 21, 1939. Serial No. 418,527.

GLOVE-FIT HEEL

FOR HOSIERY.
Claims use since December, 1938.

387,787. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HOLDEN-SOULES, INC., Detroit, Mich. Filed Oct. 16, 1939. Serial No. 424,592.

CENTERFLO

FOR BLADES FOR ELECTRIC FANS.
Claims use since Sept. 23, 1939.

387,788. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) INDUSTRIAL TIME SAVERS, INC., New York, N. Y. Filed Oct. 19, 1939. Serial No. 424,703.

Sue Rockwell

FOR CIGARETTE CASES.
Claims use since Sept. 25, 1939.

387,789. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF. HYDRIL COMPANY, Reno, Nev. Filed Feb. 20, 1940. Serial No. 428,728.

TWINPIN

FOR DRILL SHAFT COUPLING.
Claims use since Feb. 5, 1940.

387,790. (CLASS 39. CLOTHING.) HERMAN M. MCDONALD, Chicago, Ill. Filed Feb. 26, 1940. Serial 428,922.

Kris-Kros

FOR MEN'S AND BOYS' UNDERWEAR.
Claims use since Jan. 26, 1940.

387,791. (CLASS 39. CLOTHING.) HERMAN S. MILBERG INC., New York, N. Y. Filed Feb. 27, 1940. Serial No. 428,965.

Barbara Brooks

FOR WOMEN'S, JUNIOR MISSES', AND CHILDREN'S DRESSES AND COATS.
Claims use since Feb. 9, 1940.

387,792. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL MINERAL COMPANY, Chicago, Ill. Filed Mar. 4, 1940. Serial No. 429,188.

WINDSOR

FOR HAIR-WAVING LOTION.
Claims use since Oct. 1, 1939.

387,793. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) CHICAGO FLEXIBLE SHAFT COMPANY, Chicago, Ill. Filed Mar. 18, 1940. Serial No. 429,684.

STEWART

FOR INDUSTRIAL FURNACES COMPRISING GROUP A: HEAT TREATING FURNACES, TEMPERING FURNACES, FORGES, ANNEALING FURNACES, OVEN FURNACES, HARDENING FURNACES, CYANIDE FURNACES, COMBINATION FURNACES, AND METAL FURNACES; GROUP B: HIGH SPEED STEEL FURNACES, GALVANIZING FURNACES, TINNING FURNACES; GROUP C: MUFFLE FURNACES, SEMI-MUFFLE FURNACES, PORCELAIN ENAMELING FURNACES; GROUP D: TILT-TYPE MELTING FURNACES; GROUP E: BRAZING FURNACES, BRIGHT ANNEALING FURNACES, RECIPROCATING HEARTH FURNACES, ROTARY HEARTH FURNACES, RECIRCULATING FURNACES; GROUP F: ALUMINUM BRAZING FURNACES, RECUPERATORS FOR HEAT INTERCHANGE; AND GROUP G: STEEL POTS FOR LEAD, SALT, CYANIDE, HARDENING AND OIL TEMPERING; PRESSURE BLOWERS, MOTOR DRIVEN BLOWER UNITS; OIL GASIFIERS, PROPORTIONAL GAS MIXERS, AND GAS INJECTORS FOR GAS FURNACES; AND OIL BURNERS.
Claims use as follows: on the goods in Group A, since 1912; Group B, since 1919; Group C, since 1922; Group D, since 1929; Group E, since 1937; Group F, since 1939; and Group G, steel pots and blowers since 1919; motor driven blower units since 1926; gas injectors since 1934; gasifiers since 1936; proportional gas mixers; and oil burners since 1937.

387,794. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EDWARD H. HARRIS, doing business as LensBuilder Products Company, Chicago, Ill. Filed Mar. 18, 1940. Serial No. 429,700.

LensBuilder

FOR LENSES AND PARTS SOLD UNASSEMBLED AND ADAPTED TO BE ASSEMBLED IN ACCORDANCE WITH ACCOMPANYING INSTRUCTIONS INTO CAMERAS, PHOTO ENLARGERS, PROJECTORS, TELEPHOTO LENSES, SUPPLEMENTARY LENSES, MICROSCOPES, TELESCOPES, RANGE FINDERS, BINOCULARS, VIEW FINDERS, FILTERS, MAGNIFYING LENSES, FILM VIEWER, SPOTLIGHTS, STEREOPTICON, STEREOSCOPES, STEREOSCOPIC CAMERA.
Claims use since Mar. 13, 1940.

387,795. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES. EDWARD H. HARRIS, doing business as LensKit Products Company, Chicago, Ill. Filed Mar. 18, 1940. Serial No. 429,701.

LensKit

FOR LENSES AND PARTS SOLD UNASSEMBLED AND ADAPTED TO BE ASSEMBLED IN ACCORDANCE WITH ACCOMPANYING INSTRUCTIONS INTO CAMERAS, PHOTO ENLARGERS, PROJECTORS, TELEPHOTO LENSES, SUPPLEMENTARY LENSES, MICROSCOPES, TELESCOPES, RANGE FINDERS, BINOCULARS, VIEW FINDERS, FILTERS, MAGNIFYING LENSES, FILM VIEWER, SPOTLIGHTS, STEREOPTICON, STEREOSCOPES, STEREOSCOPIC CAMERA.
Claims use since Mar. 13, 1940.

387,796. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y. Filed Mar. 27, 1940. Serial No. 430,012

Clog-pruf

FOR RAZORS AND RAZOR BLADES.
Claims use since Mar. 12, 1940.

387,797. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE KENDALL COMPANY, Walpole, Mass. Filed Apr. 3, 1940. Serial No. 430,320.

KENDALL

FOR CHEESE CLOTH, GAUZE, BUNTING, DUST CLOTHS OF BOTH KNIT AND WOVEN FABRICS, NURSERY PADS, CURTAIN FABRICS, SUPERCLOTHS, LININGS, AND MILK FILTER DISKS.
Claims use since Mar. 21, 1940.

387,798. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) RUBBER RESEARCH PRODUCTS CORPORATION, Jersey City, N. J. Filed Apr. 4, 1940. Serial No. 430,360.

KAPS

FOR PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES.
Claims use since Mar. 25, 1940.

387,799. (CLASS 43. THREAD AND YARN.) GROVE SILK COMPANY, Dunmore, Pa. Filed May 7, 1940. Serial No. 431,650.

GROVE HOSIERY YARN

FOR HOSIERY YARNS.
Claims use since Apr. 15, 1940.

387,800. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) TOKHEIM OIL TANK AND PUMP COMPANY, Fort Wayne, Ind. Filed May 8, 1940. Serial No. 431,720.

SMOOTH FLO

FOR HOSE NOZZLE CONTROL VALVE FOR USE WITH MOTOR FUEL DISPENSING EQUIPMENT.
Claims use since Apr. 1, 1940.

387,801. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE THEW SHOVEL COMPANY, Lorain, Ohio. Filed May 21, 1940. Serial No. 432,203.

MOTO-CRANE

FOR POWER CRANES.
Claims use since Mar. 22, 1940.

387,802. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CAMEO FABRICS, New York, N. Y. Filed May 27, 1940. Serial No. 432,377.

SATIN GALORE

FOR PIECE GOODS MADE OF ACETATE RAYON HAVING THE APPEARANCE OF SATIN PIECE GOODS.
Claims use since January, 1939.

387,803. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STYLE TREND FABRICS, New York, N. Y. Filed July 10, 1940. Serial No. 433,837.

DULL-MAT

FOR COTTON, RAYON, WOOL, AND SILK GOODS AND COMBINATIONS THEREOF IN THE PIECE.
Claims use since January, 1937.

387,804. (CLASS 15. OILS AND GREASES.) MILLER'S AUTO SUPPLIES, INC., Harrisburg, Pa. Filed July 23, 1940. Serial No. 434,247.

Choice Penn

FOR MOTOR OIL.
Claims use since Apr. 1, 1940.

387,805. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) FARNSWORTH TELEVISION & RADIO CORPORATION, Fort Wayne, Ind. Filed Jan. 27, 1941. Serial No. 439,990.

Capehart

FOR COMBINATION RADIO AND AUTOMATIC PHONOGRAPHS.
Claims use since March, 1928.

387,806. (CLASS 39. CLOTHING.) SIEGEL BROTHERS KIKI MAID COATS, INC., New York, N. Y. Filed Feb. 6, 1941. Serial No. 440,392.

Military Miss

FOR MISSES', WOMEN'S, AND JUNIOR COATS AND SUITS.
Claims use since Nov. 28, 1939.

387,807. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JACK GALTER, Chicago, Ill., assignor to Victor Nemeroff, Chicago, Ill. Filed Feb. 21, 1941. Serial No. 440,858.

SOFT-GLO

FOR ELECTRIC BED LAMPS.
Claims use since Dec. 12, 1939.

387,808. (CLASS 12. CONSTRUCTION MATERIALS.) THE PERMANENTE CORPORATION, San Jose and Oakland, Calif. Filed Mar. 3, 1941. Serial No. 441,174.

SANTA CLARA

FOR BUILDING CEMENT.
Claims use since Jan. 31, 1940.

387,809. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE HENKEL-CLAUSS COMPANY, Fremont, Ohio. Filed Apr. 14, 1941. Serial No. 442,555.

HENKEL

FOR SURGICAL AND DENTAL SCISSORS AND PLIERS.
Claims use since 1915.

TRADE-MARK REGISTRATIONS RENEWED

139,388. **REPRESENTATION OF A PORTCULLIS.** CERTAIN NAMED DISTILLED ALCOHOLIC LIQUORS. Registered February 1, 1921. SEAGER EVANS & COMPANY LIMITED, London, England, a limited liability company of Great Britain. Renewed February 1, 1941.

140,821. **HAMPDEN.** DRY, PASTE, AND READY-MIXED PAINTS, COLORS IN OIL, PAINT ENAMELS, JAPAN COLORS, VARNISHES. Registered March 29, 1921. HAMPDEN PAINT & CHEMICAL CO. Renewed March 29, 1941, to Hampden Color & Chemical Co., Springfield, Mass., a corporation of Massachusetts, by change of name.

140,936. **PIXINE.** CERTAIN NAMED OINTMENT. Registered March 29. 1921. PIXINE CHEMICAL COMPANY. Renewed March 29, 1941, to Fred R. Lossoe, doing business as Pixine Company, Troy, N. Y., successor.

141,122. **BABIGLO.** SOAPS. Registered April 12, 1921. LOUIS FUNDLER, New York, N. Y. Renewed April 12, 1941.

141,688. **THE CLASSIQUE.** CORSETS. Registered April 26, 1921. STERN BROTHERS. Renewed April 26, 1941, to Lily of France Corset Company, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

141,913. **DENTISEPTOL.** A GERMICIDE. Registered May 3, 1921. ROBERT LATTA CROWE, Memphis, Tenn. Renewed May 3, 1941, to H. B. Gooding, Tiffin, Ohio, assignee.

141,968. **VELVET FINISH.** GLASS GLOBES AND REFLECTORS FOR ARTIFICIAL LIGHT. Registered May 3, 1921. HOLOPHANE GLASS COMPANY, INC. Renewed May 3, 1941, to Holophane Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

142,004. **RKL.** THROWN SILK. Registered May 3, 1921. R. K. LAROS SILK CO., Bethlehem, Pa., a corporation of Pennsylvania. Renewed May 3, 1941.

142,032. **ELYTRONES.** ANTISEPTIC VAGINAL SUPPOSITORIES USED IN VAGINAL AND UTERINE DISORDERS. Registered May 3, 1921. THE WILLIAM S. MERRELL COMPANY. Renewed May 3, 1941, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware, assignee by mesne assignments.

142,268. **MELLO CUP.** COFFEE. Registered May 10, 1921. FRANK H. GIBSON, Omaha, Nebr. Renewed May 10, 1941, Henry H. Hixson, Chicago, Ill., successor.

142,272. **LUNCH-YE-ON.** BISCUITS AND CRACKERS. Registered May 10, 1921. GROCERS BISCUIT COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed May 10, 1941.

142,572. **BUTYBRING.** SOAP. Registered May 17, 1921. HOWARD BROS. CHEMICAL CO., Buffalo, N. Y., a corporation of New York. Renewed May 17, 1941.

142,954. **CERTAIN-TEED.** LINOLEUM, OIL-CLOTH, AND FLOOR-COVERINGS. Registered May 24, 1921. CERTAIN-TEED PRODUCTS CORPORATION, St. Louis, Mo. Renewed May 24, 1941, to Certain-teed Products Corporation, New York, N. Y., a corporation of Maryland.

142,966. **O-JOY.** A REMEDY (PREFERABLY IN WAFER FORM) FOR CORNS. Registered May 24, 1921. JOSEPH B. CLOWER, Woodstock, Va. Renewed May 24, 1941.

143,053. **APPLE-US.** MEN'S, LADIES', BOYS', AND CHILDREN'S FABRIC GLOVES AND MITTENS. Registered May 24, 1921. INDIANAPOLIS GLOVE COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed May 24, 1941.

143,642. **ANNAMARIE.** CORSETS. Registered June 7, 1921. THE HERZFELD-PHILLIPSON COMPANY. Renewed June 7, 1941, to Milwaukee Boston Store, Inc., Milwaukee, Wis., a corporation of Wisconsin, by change of name.

143,643. **STETSON.** MEN'S AND BOYS' CLOTHING CONSISTING OF COATS, TROUSERS, AND VESTS. Registered June 7, 1921. THE HERZFELD-PHILLIPSON COMPANY. Renewed June 7, 1941, to Milwaukee Boston Store, Inc., Milwaukee, Wis., a corporation of Wisconsin, by change of name.

143,748. **THE SPICE MILL.** A MONTHLY JOURNAL DEVOTED TO THE INTERESTS OF THE COFFEE, TEA, AND ALLIED TRADES. Registered June 7, 1921. THE SPICE MILL PUBLISHING CO., New York, N. Y., a corporation of New York. Renewed June 7, 1941.

144,057. **INDIAN.** BOX-OPENERS, GLASS-CUTTERS, NAIL-PULLERS, AND NAIL-PULLER COMBINATION-TOOLS. Registered June 21, 1921. SMITH & HEMENWAY COMPANY, INC., New York, N. Y., and Irvington, N. J. Renewed June 21, 1941, to Landon P. Smith, Inc., Irvington, N. J., a corporation of New Jersey, successor.

144,058. **ECLIPSE.** BOX-OPENERS, GLASS-CUTTERS, NAIL-PULLERS, AND NAIL-PULLER COMBINATION-TOOLS. Registered June 21, 1921. SMITH & HEMENWAY COMPANY, INC., New York, N. Y., and Irvington, N. J. Renewed June 21, 1941, to Landon P. Smith, Inc., Irvington, N. J., a corporation of New Jersey, successor.

144,166. **PICCADILLY.** SMOKING-TOBACCO, LITTLE CIGARS, AND CIGARETTES. Registered June 28, 1921. THE AMERICAN TOBACCO COMPANY, New York, N. Y., a corporation of New Jersey. Renewed June 28, 1941.

144,255. **S.O.S.** SALVES FOR BOILS, CARBUNCLES, FELONS, BLOOD-POISONING, AND HEALING ALL KINDS OF SORES. Registered June 28, 1921. STEPHEN O. O'DELL, Detroit, Mich. Renewed June 28, 1941.

144,486. **THE UNITED STATES LEATHER CO.** SOLE-LEATHER. Registered July 5, 1921. THE UNITED STATES LEATHER COMPANY. Renewed July 5, 1941, to The United States Leather Selling Corp., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

145,216. **REPRESENTATION OF A MAN WALKING.** PAPER TOWELS AND PAPER NAPKINS. Registered July 26, 1921. SCOTT PAPER COMPANY. Renewed July 26, 1941, to Scott Paper Company, Chester, Pa., a corporation of Pennsylvania, assignee.

145,348. **PLEE-ZING.** OLD-FASHIONED TAFFY-CANDY. Registered August 2, 1921. DILLING & COMPANY, Indianapolis, Ind. Renewed August 2, 1941, to Plee-Zing, Inc., Chicago, Ill., a corporation of Delaware, assignee.

146,682. **MACHINE-PISTOL.** PISTOLS. Registered September 20, 1921. AUTO-ORDNANCE CORPORATION, New York, N. Y., a corporation of New York. Renewed September 20, 1941.

146,879. **REPRESENTATION OF A PARROT.** SUGAR. Registered September 20, 1921. SOUTH PORTO RICO SUGAR COMPANY, New York, N. Y. Renewed September 20, 1941, to South Porto Rico Sugar Company, Ensenada, P. R., a corporation of Puerto Rico, assignee.

146,973. **EXOSE.** CORN-SUGAR. Registered September 27, 1921. CORN PRODUCTS REFINING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed September 27, 1941.

147,072. **MICRONEX.** A GAS-BLACK AND CARBON-BLACK IN BAGS. Registered October 4, 1921. BINNEY & SMITH COMPANY, New York, N. Y., a corporation of New Jersey. Renewed October 4, 1941.

147,129. **MENTHOLATUM.** A CERTAIN NAMED SALVE. Registered October 4, 1921. THE MENTHOLATUM COMPANY, Wichita, Kans., and Buffalo, N. Y. Renewed October 4, 1941, to The Mentholatum Company, Buffalo, N. Y., a corporation of Delaware, assignee.

147,189. **SANI-KIL.** A CHEMICAL VERMIN-EXTERMINATOR. Registered October 4, 1921. HARRY L. WITT, doing business as Harry L. Witt and Company, Pittsburgh, Pa. Renewed October 4, 1941.

147,190. **WOLF'S RATTLE SNAKE.** A CERTAIN NAMED LINIMENT. Registered October 4, 1921. CHARLES A. WOLF, doing business as Charles A. Wolf & Co., Philadelphia, Pa. Renewed October 4, 1941.

REISSUES

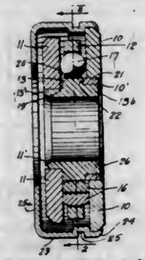
MAY 27, 1941

21,810
SELF-CONTAINED THRUST BEARING

Walter E. Horrocks, Lakewood, Ohio

Original No. 2,168,342, dated August 8, 1939, Serial No. 94,074, August 3, 1936. Application for reissue July 20, 1940. Serial No. 346,663

10 Claims. (Cl. 308—232)



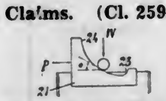
1. In a self-contained thrust bearing comprising a pair of complementary grooved opposing race rings, one of the race rings having a sleeve attached thereto, the opposing race ring carrying a confining casing and journaled on the said sleeve for free rotatable and reciprocatory axial movement thereon, and balls with rolling fluctuating radial movement shifting individually between the said rings, and a relatively thick open spoked ring separator for the balls diametrically journaled and axially movable on the said sleeve between the said rings, and provided with a contour formed about the rolling surfaces of the balls and projecting substantially therebetween, and the said contour having straight tangential contacting means lying across the surfaces of the balls in all their fluctuating positions between the said rings thereby maintaining equally spaced changeable concentric alinement of the rolling balls between the said rings.

21,811
THICKENING, STIRRING, OR AGITATING APPARATUS

Henry Kepper, Voorburg, Netherlands, assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Original No. 2,122,287, dated June 28, 1938, Serial No. 90,965, July 16, 1936. Renewed March 12, 1938. Application for reissue July 7, 1939, Serial No. 283,322. In Great Britain July 16, 1935

14 Claims. (Cl. 259—8)



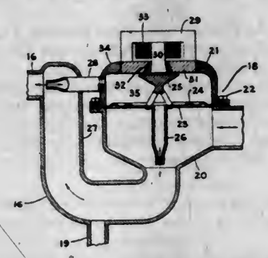
1. In or for an apparatus of the character described, a rotatable and vertically movable rake or like element, and means for imparting rotation to said element, said means comprising a pair of relatively movable coacting members one of which is of cam form having a progressively increasing slope arranged so that relative movement between said members causes the rake or like element to be raised or lowered and concurrently therewith effects or permits a progressive increase or decrease in the driving torque applied to the rake element.

21,812
ABSORPTION REFRIGERATING APPARATUS

Howard L. Schug, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Original No. 2,204,233, dated June 11, 1940, Serial No. 261,478, March 13, 1939. Application for reissue November 12, 1940, Serial No. 365,397

9 Claims. (Cl. 62—119.5)



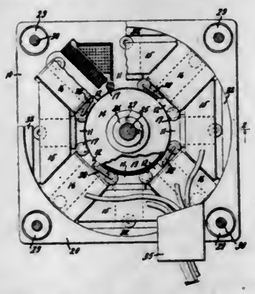
1. A pump structure suitable for use in the inert gas circuit of an absorption refrigeration apparatus comprising a casing housing a vibratable diaphragm, a gas conduit communicating with said casing, a gas nozzle having a discharge portion co-axial with a part of said conduit and so arranged with respect to said diaphragm that vibration thereof will alternately withdraw gas from the lateral sides of the nozzle discharge and eject gas axially thereof, and means for actuating said diaphragm including an electromagnet having a core with a tapered end, a corresponding opening in said casing, and means securing said core in said opening and in operative position with respect to said diaphragm whereby said casing is sealed against the escape of gas.

21,813
ELECTRORESPONSIVE DEVICE

Victor E. Verrall, Upper Providence Township, Delaware County, Pa., assignor to General Electric Company, a corporation of New York

Original No. 2,110,686, dated March 8, 1938, Serial No. 70,580, March 24, 1936. Application for reissue March 1, 1939, Serial No. 259,263

30 Claims. (Cl. 175—294)



30. In combination with a two-element alternating current relay having a first plurality of poles energized by a first winding and a second plurality of poles energized by a second winding

energizable by current out of phase with the current in the first winding for producing a rotating magnetic field; means retarding a portion of the flux produced by the energization of the first winding so that the retarded flux reacts with the unretarded flux produced by the first winding to provide a magnetic field shifting in the opposite direction to the rotating magnetic field, and a rotor inductively actuated by said magnetic fields.

PLANT PATENTS

GRANTED MAY 27, 1941

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

467
ROSE
Charles L. Fitzgerald, Hawthorne, Calif.
Application December 7, 1940, Serial No. 369,086
1 Claim. (Cl. 47—61)

The variety of fragrant hybrid baby rose herein shown and described, characterized particularly in its salmon-pink coloring, its vigorous growth and blooming habits, relative freedom from thorns, and its resistance to mildew, rust and black spot.

468
ROSE
Charles L. Fitzgerald, Hawthorne, Calif.
Application December 7, 1940, Serial No. 369,087
1 Claim. (Cl. 47—61)

The variety of fragrant hybrid bush baby rose herein shown and described, characterized particularly in its deep pink coloring, its faint but distinct "Tea" fragrance, its freedom from thorns on the new wood, and its resistance to disease, particularly mildew, rust and black spot.

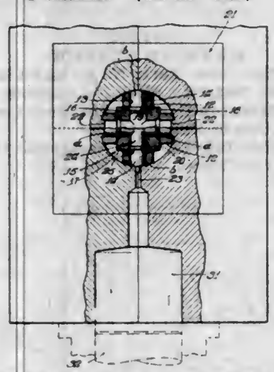
469
ROSE
Charles L. Fitzgerald, Hawthorne, Calif.
Application December 7, 1940, Serial No. 369,088
1 Claim. (Cl. 47—61)

The variety of non-fragrant hybrid bush baby rose herein shown and described, characterized particularly in its deep pink coloring on the inside of the petals, its rich golden yellow coloring on the outside of the petals as they are shaded to the base, its substantial freedom from thorns and its complete freedom from needles and prickles, its resistance to disease, particularly to mildew, rust and black spot, and its fertile fruit.

PATENTS

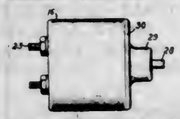
GRANTED MAY 27, 1941

2,243,062
INDUSTRIAL JOINT
Edmund B. Anderson, Rockford, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 19, 1939, Serial No. 285,278
5 Claims. (Cl. 22—203)



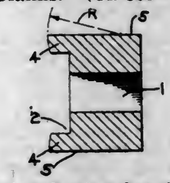
1. A method of making a universal joint comprising providing a pair of one-piece yokes each including a pair of spaced arms having aligned cylindrical trunnion openings and flat parallel inner faces, fitting said yokes over a trunnion block having flat faces snugly received between the arms of the respective yokes and having a cross-shaped cavity the arms of which register with the respective trunnion openings, closing three of said openings and injecting into the fourth opening, molten metal adapted to fill said cross-shaped cavity and said trunnion openings so as to form trunnions in each of said openings connected by a cross-shaped core.

2,243,063
TIMER MOTOR
Ralph G. Arey, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application November 7, 1939, Serial No. 303,261
1 Claim. (Cl. 172—275)



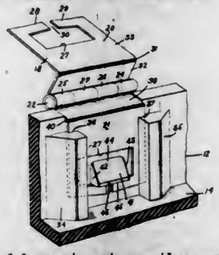
A motor unit comprising a cylindrical enclosing casing, a motor within said casing, said motor comprising a rotor on the central axis of the casing and a stator comprising a cylindrical coil surrounding and concentric to the rotor, washer-shaped plates of magnetic material at opposite ends of and supporting said coil and having their peripheral surfaces abutting the inner cylindrical surface of said casing with a tight sliding fit constituting the sole support of said plates and coil within said casing, said plates having pole pieces extending therefrom within the coil adjacent the rotor, the casing material surrounding the coil being of magnetic material thereby completing a magnetic circuit between the pole pieces about said coil, a terminal shaft extending through and having a substantially oil-tight bearing in an end wall of said casing, a speed-reducing gear connected between said rotor and terminal shaft, spaced circular plates supporting said gear and rotor with the peripheral surfaces of the plates also having a tight sliding fit with the inner cylindrical surface of the casing constituting the sole support of said reduction gear and rotor within said casing, a lubricating oil in said casing, said coil being insulated with a material which is immune to such lubricating oil, terminals extending through the other end wall of said casing for energizing said motor, said casing being sealed to prevent the loss of oil therefrom.

2,243,064
PISTON RING
John H. Ballard, North Muskegon, Mich., assignor to Sealed Power Corporation, Muskegon, Mich., a corporation of Michigan
Application February 12, 1940, Serial No. 318,573
3 Claims. (Cl. 309—45)



1. A piston ring having bearing lands on its periphery adjacent its flat faces, the peripheries of said lands being shaped on axially extending arcs whose centers are located approximately in the planes of the flat faces of the ring and inside the periphery thereof.

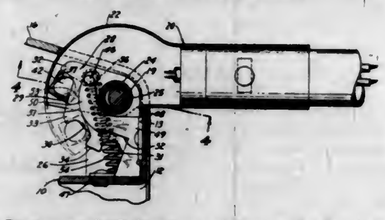
2,243,065
MOLDED BOX
Kenneth T. Barrett, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application September 10, 1938, Serial No. 229,335
1 Claim. (Cl. 220—31)



In a molded box structure, the combination of a hinge, a box wall, a pair of projections molded integral with said wall, recesses in said projections arranged parallel to each other and to hold said hinge contiguous to said wall, and means for locking said hinge in said recesses including an opening in said hinge partly surrounded by a pair of tangs projecting toward each other, a

wedge-shaped projection on the wall of said box arranged intermediate said recesses and provided with a surface inclined to the wall and a surface substantially perpendicular to said wall, said inclined surface being arranged to lift said tangs from said wall during the movement of said hinge in said recesses and said substantially perpendicular surface being arranged to prevent a return movement of said hinge after said tangs reach the end of said inclined surface and spring toward the said wall surface.

2,243,066
SUCTION CLEANER
Bernard C. Becker, deceased, late of Canton, Ohio, by Bernice E. Becker, executrix, York, Pa., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 29, 1938, Serial No. 248,298
13 Claims. (Cl. 306—13)



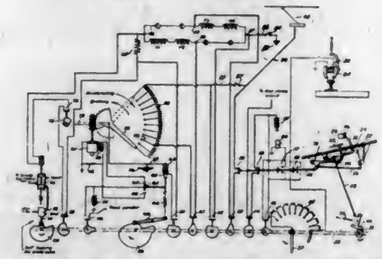
1. In an ambulatory machine, a body, a handle, means constructed and arranged to support said handle pivotally on said body and to permit bodily movement of said handle with respect to said body, locking segment means carried by said body, locking detent means carried by said supporting means and bodily moveable with said handle, said locking detent means being bodily actuated to engage said locking segment means upon bodily movement of said handle to a predetermined position to lock said handle in said position.

2,243,067
SUCTION CLEANER
Quentin Berg, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application February 15, 1939, Serial No. 256,440
9 Claims. (Cl. 306—11)



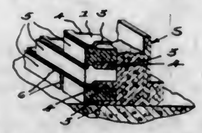
1. In an ambulatory machine, comprising a body, a handle pivotally mounted on said body, a friction member mounted on said body, locking means wrapped around and frictionally engaging said friction member, said means having one end movably mounted and its other end rigidly secured to said handle, said locking means being wrapped around said friction member and connected to said handle whereby the weight of said handle tends to wrap said locking means tightly about said friction member to prevent said handle from pivoting downwardly, and means for shifting said movable end of said locking means to release the latter from said friction member to permit free downward movement of said handle.

2,243,068
BRAKING SYSTEM
Lebert E. Blue, New York, N. Y., and Clarence F. Hirshfeld, Detroit, Mich., assignors to The Transit Research Corporation, New York, N. Y., a corporation of New York
Application July 26, 1937, Serial No. 155,598
5 Claims. (Cl. 303—3)



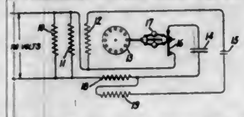
1. In a rail car, a brake control having an intermediate position for holding brakes applied while the car is unattended, a "dead man" control having three positions, the first of which positions permits normal operation of the car and the third of which positions causes emergency brake application, means urging the "dead man" control from the first position to the third, a latch for holding the brake control in its intermediate position, means for holding the "dead man" control in its intermediate position when said latch is engaged and for disengaging said latch when the "dead man" control is in its first position, and means for operating a signal to the operator whenever the controls are released without both being left in their intermediate positions.

2,243,069
BRICK WALL CONSTRUCTION
Charles S. Brown, Syracuse, N. Y.
Application December 20, 1938, Serial No. 246,867
2 Claims. (Cl. 72—29)



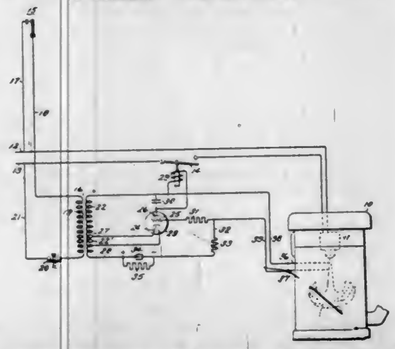
1. A brick for wall structures having recesses in its upper and lower faces opening through the rear side of the brick and terminating short of the front side of the brick, one of the recesses in the upper and lower side of each brick extending transversely of the brick intermediate of the ends thereof and the other recesses opening through the end faces of the brick also, and each of the end recesses being substantially one-half of the intermediate recess as to form and size.

2,243,070
CAPACITOR MOTOR
Bernard M. Cain, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application April 16, 1940, Serial No. 329,876
4 Claims. (Cl. 172—233)



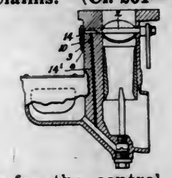
1. A double voltage capacitor motor having a main winding and a starting winding coil having their winding axes displaced at an angle to each other, a secondary rotor for said motor, said main winding comprising three coils two of which are similar, terminal connections for connecting said similar coils so as to be energized in parallel or in series, the third main winding coil being permanently connected as an auto-transformer extension of one of the similar main winding coils, an electrolytic condenser connected in series with the starting winding coil across said similar main winding portion of such auto-transformer, a running condenser connected in series with said starting winding coil across all of such auto-transformer, and a switch responsive to the speed of said motor for opening only the electrolytic condenser circuit as the motor comes up to speed.

2,243,071
FURNACE CONTROL SYSTEM
Harry R. Crago, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 1, 1939, Serial No. 265,610
5 Claims. (Cl. 158—28)



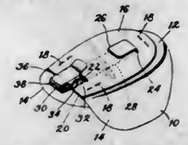
1. In combination, a furnace, electrically operable motor means for supplying combustibles thereto, an electrically operable switch for controlling the energization of said motor means, means responsive to the temperature variations within an enclosure to be heated by said furnace, a transformer adapted to be controlled by the operation of said temperature responsive means, means for controlling said switch including an electric discharge device connected to said transformer and adapted to be energized thereby, said electric discharge device being initially conductive to cause closure of said switch, a control electrode in said discharge device, a capacitor connected between said control electrode and said transformer, a leakage resistance connected across said capacitor, said capacitor being initially discharged and adapted to be charged so as to disrupt the conductivity of said tube a predetermined time following the closure of said switch, and means responsive to the presence of flame within the furnace within said predetermined time for discharging said capacitor and maintaining the conductivity of said electric discharge device.

2,243,072
METHOD AND APPARATUS FOR THE APPLICATION OF AERATING AIR TO CARBURETORS FOR INTERNAL COMBUSTION ENGINES
Alexander Abramson, Prague, Czechoslovakia
Application February 10, 1937, Serial No. 125,161
In Czechoslovakia September 9, 1936
6 Claims. (Cl. 261—47)



4. Apparatus for the control of aerating air for carburetors of internal combustion engines, comprising a combination of pivotally mounted levers including control and controlled levers, means to establish an operative connection between the control lever and the throttle-valve for turning the control lever with said valve, and means moving with the control lever for acting on the controlled lever so that, upon opening of the throttle valve the controlled lever first performs a rotary movement increasing gradually the cross-section of an orifice through which the aerating air is admitted to the carburetor, second maintains constant this cross-section of the orifice for a given range of opening of the throttle-valve, and third gradually reduces the cross-section of the orifice to a complete closure, as the throttle-valve approaches its fully open position.

2,243,073
SOLE AND SHOE POSITIONING DEVICE
William M. Altenburg, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application March 5, 1940, Serial No. 322,352
17 Claims. (Cl. 12—103)

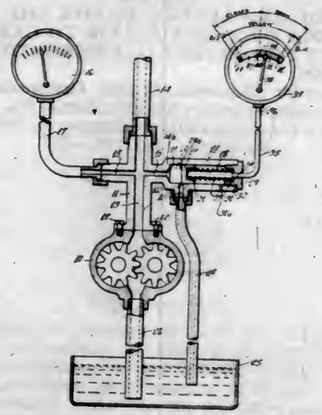


1. A device for use in positioning an outsole on a shoe bottom comprising a member adapted to embrace an end portion of the shoe and to remain in such relation therewith, and means carried by said member constructed and arranged to engage the inner and outer surfaces of the outsole in localities substantially midway between the lateral edges of the rear of its shank portion and thereby maintain the outsole in a predetermined position on the shoe bottom.

2,243,074
INDICATOR MEANS
Arnold N. Anderson, Chicago, Ill.
Application April 4, 1938, Serial No. 199,963
2 Claims. (Cl. 116—125)

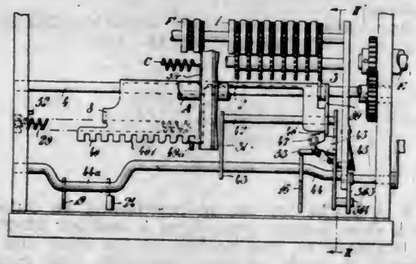
1. An indicator device of the character de-

scribed, for use with a fluid-pressure responsive valve controlling a fluid port and wherein the valve is displaceable substantially beyond merely a full-open or full-closed position relative to the port, the indicator device comprising an expansible fluid container engaging and directly actuated by said valve, and a fluid-actuated indicator



located remotely from said valve and connected to said container, said indicator being adapted for operation in response to the valve-actuation of said container, to indicate continuously, the displacement positions of said valve, including positions of said valve beyond merely full-open and full-closed positions relative to the port controlled thereby.

2,243,075
CALCULATING MACHINE
Rolf Erik Annerén and Bengt Carlström, Atvidaberg, Sweden, assignors to Aktiebolaget Facit, Atvidaberg, Sweden, a corporation of Sweden
Application December 10, 1934, Serial No. 756,823
In Germany January 13, 1934
7 Claims. (Cl. 235—63)



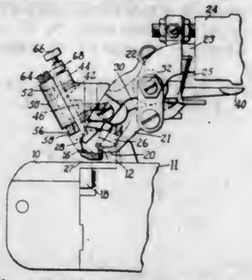
1. In a calculating machine of the ten-key type, the combination of a stationary accumulator, a stationary revolutions counter, a laterally shiftable carriage, an actuator on said carriage for actuating said accumulator, a laterally shiftable carrier, revolutions counter actuating means on said carrier, and a rack-and-pawl connection for coupling said carrier to said carriage for lateral shifting movement therewith, the rack of said rack-and-pawl connection having teeth bevelled on one side only for rendering said connection yielding in one direction and unyielding in the other direction.

2,243,076
APPARATUS FOR HARDENING GEARS
Harry E. Arnold, Allentown, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application September 26, 1939, Serial No. 296,530
4 Claims. (Cl. 266—23)



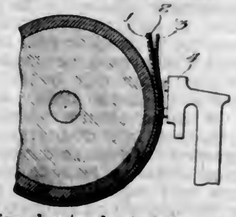
1. Apparatus for flame hardening the teeth of a helical gear comprising an axially rotatable mounting for said gear, a torch for hardening the teeth thereof, a reciprocable carriage for said torch, a bell crank mounted adjacent said gear, an arm pivotally connecting said carriage and one arm of said bell crank and an arm fixed to said rotatable mounting and slidably connected with the second arm of said bell crank.

2,243,077
FOLDING MACHINE
Clifton T. Batcheider, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 27, 1939, Serial No. 311,188
6 Claims. (Cl. 12—54)



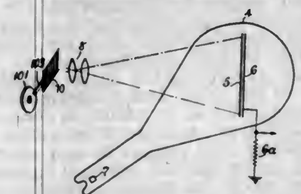
1. A folding machine having a folding finger movable in a definite path, and a creaser foot supported for a yielding movement in a path substantially parallel to the path of movement of the folding finger.

2,243,078
TRANSFER SHEET AND COMPOSITION FOR PRODUCING REINKABLE IMPRESSIONS
Johan Bjorksten, Chicago, and William J. Champion, La Grange, Ill., assignors to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application February 4, 1938, Serial No. 188,706
6 Claims. (Cl. 41—41.5)



1. A transfer sheet adapted for use with pressure or impact instrumentalities in the production of impressions on master sheets for planographic printing, comprising a base sheet having a coating thereon of a transfer composition which is water-repellent, oil-ink absorbent, and transferable by pressure without heat to a contacting sheet, said transfer composition comprising soya bean oil, a carnauba wax which is compatible with the soya bean oil and modifies the mechanical properties thereof, and a hydrocarbon resin obtained by the treatment of an unsaturated petroleum fraction by a Friedel-Crafts catalyst.

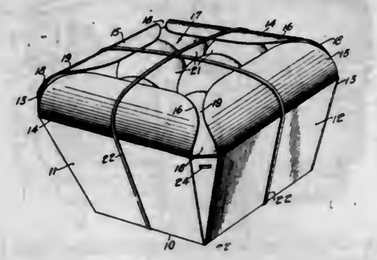
2,243,079
TELEVISION TRANSMITTING APPARATUS
Alan Dower Blumlein, Ealing, London, and Cecil Oswald Browne, West Acton, London, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application November 9, 1937, Serial No. 173,550
In Great Britain November 10, 1936
14 Claims. (Cl. 178—7.2)



1. The method of removing spurious signals of relatively low frequency from desired signals generated simultaneously with said spurious signals extending over a relatively wide range including said spurious low frequency signals, which comprises the step of combining said spurious and desired signals with signals having at least one predetermined datum value and recurrent at a frequency higher than the fundamental frequency of the spurious signals, attenuating frequencies below a predetermined frequency so as to remove said spurious signals from the combined signals, and subsequently reinserting suppressed low frequency components of the desired signals by reference to the recurrent signals of predetermined datum value.

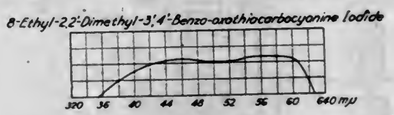
2,243,080
CONTAINER CONSTRUCTED OF BOXBOARD AND BLANKS THEREFOR
Ernest M. Brogden, Orlando, Fla., assignor to Bank of The Manhattan Company, trustee, New York, N. Y., a corporation of New York
Application August 27, 1935, Serial No. 38,110
Renewed October 27, 1937
14 Claims. (Cl. 229—33)

1. A one-piece blank of boxboard for forming a container, said blank comprising a central or base portion defined by a polygonal outline scored in the material of the blank on one face thereof, said base portion being adapted to form the bottom of the container, side members extending separately in angularly relation to one another from said base portion, said side members being adapted to be bent on said scored lines upwardly from said base portion to form side walls of the container, and a terminal flap extending from each said side member and having a scored line of junction therewith on said one face of the blank, said scored lines of junction being formed to provide hinges for said flaps and said flaps having shapes and longitudinal and transverse dimensions adapting them to function as hinged cover members for the container with each cooperating with the others in

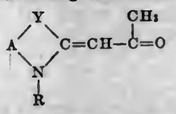


closing position and in non-overlapping relation to partially cover the top of the container, leaving the same open both centrally and at spaced peripheral localities.

2,243,081
PROCESS OF PREPARING 8-ALKYL UNSYMMETRICAL CARBOCYANINE DYES
Leslie G. S. Brooker and Frank L. White, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 10, 1937, Serial No. 163,269
4 Claims. (Cl. 260—240)



1. A process for preparing a carbocyanine dye comprising reacting, in the presence of a water-binding agent, a cyclammonium quaternary salt selected from the group consisting of 1-methylbenzoxazole quaternary salts and μ-methylnaphthoxazole quaternary salts with a ketone compound of the following formula:

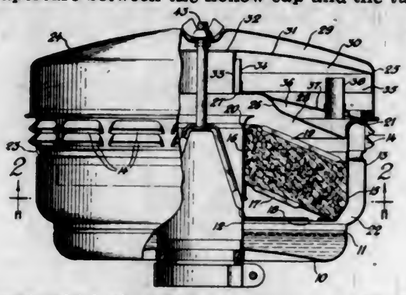


wherein A represents an organic group selected from the group consisting of phenylene and naphthylene groups, R represents alkyl groups and Y represents an atom selected from the group consisting of sulfur and selenium.

2,243,082
SILENCER
Benjamin Gratz Brown, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 24, 1936, Serial No. 97,494
3 Claims. (Cl. 181—48)

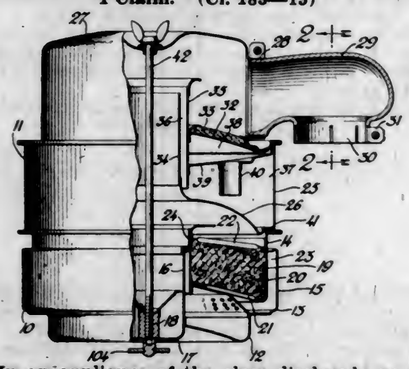
1. A silencing element which includes a tube through which gases and sound waves travel, a hollow cap with an orifice in its inner wall disposed over one end of the tube, a partition which subdivides the hollow cap lengthwise into two chambers, an orifice in the partition, a tubular element which encircles the second-mentioned orifice and projects toward but is spaced from

the boundary of the first-mentioned orifice, and an aperture between the hollow cap and the tube



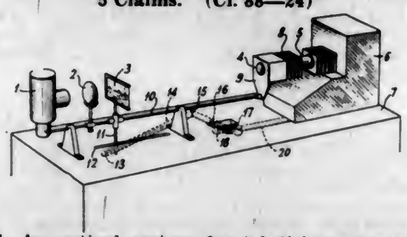
through which the latter communicates with the atmosphere.

2,243,083
AIR CLEANER AND SILENCER ASSEMBLY
Benjamin Gratz Brown, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 21, 1936, Serial No. 106,710
1 Claim. (Cl. 183—15)



In an appliance of the class disclosed: an air cleaner which includes an annular receptacle which constitutes a liquid reservoir, and an annular filter element which air enters through its underside and leaves through its upper side disposed within the annular receptacle and supported by its inner wall with its outer wall spaced from the outer wall of the annular receptacle to define a passage through which air is conducted from the atmosphere to the underside of the annular filter element; a silencer which includes a shell disposed generally vertically and over the air cleaner with a concave lower end wall which is seated on the outer wall but spaced from the upper side of and constitutes a cover for the annular filter element and has in it an orifice through which air passes into the silencer from the space between the upper side of the annular filter element and the lower end wall of the silencer, an upper end wall with an orifice in it through which air leaves the appliance, and a duct through which air is conducted through the shell from the orifice in its lower end wall to the orifice in its upper end wall; an air outlet fitting with a downwardly opening air discharge orifice communicating with the orifice in the upper end wall of the silencer; and an element connected to the annular receptacle and the air outlet fitting and extending through the duct for securing the air cleaner, the silencer and the outlet fitting together.

2,243,084
OPTICAL PROJECTION APPARATUS
Cecil Oswald Browne, West Acton, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application August 30, 1938, Serial No. 227,458
In Great Britain March 9, 1938
5 Claims. (Cl. 88—24)



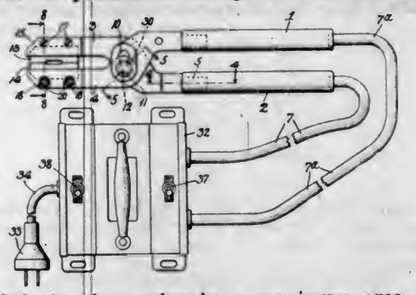
1. An optical system for television apparatus comprising an object, an image receiving target, a lens system interposed between said object and image receiving target, a source of illumination, means for illuminating the object from the source of illumination, mechanical means coupling the object and the image receivng target so that movement of one of said objects and target results in a simultaneous movement of the other, said coupling means being so proportioned as to maintain focus of the object on said target, and said illuminating means being positioned with respect to said source and said object as to provide constant intensity of illumination upon the target regardless of the position of the object.

2,243,085
PROCESS OF PRODUCING TEXTILE YARNS
Harry R. Buckley, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application May 1, 1940, Serial No. 332,686
2 Claims. (Cl. 57—157)

1. Process for the conversion of continuous filament yarns into a continuous product containing short lengths of filament, which comprises causing a twisted bundle of continuous filaments to pass in contact with a stapilizing device and after said twisted bundle of filaments is stapilized changing the direction of twist of said bundle.

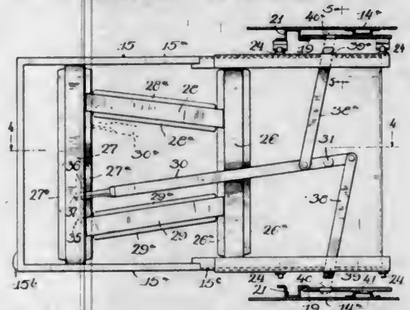
2,243,086
PLIERS
Marc A. Buettell, Sycamore, Ill., assignor to Ideal Commutator Dresser Company, Sycamore, Ill., a copartnership composed of John Walter Becker and Louis C. Becker
Application November 9, 1937, Serial No. 173,584
2 Claims. (Cl. 219—26)

1. A pair of pliers comprising two jaws, means for connecting them in an electric circuit, a pivot pivotally connecting said jaws together, electrically insulated from one jaw, said jaws having opposed end pieces provided with opposed elongated recesses having flat walls, said recesses extending only part way through said end pieces, there being a solid portion of each jaw beyond each recess, said recesses being open at one side, flat elongated carbon pieces in said recesses, engaging the flat walls of said recesses and having projecting portions projecting from said jaws toward each other, clamping conducting pieces for closing the open sides of said recesses and engaging the sides of said carbon pieces, and means for fastening said clamping conducting pieces in position to clamp the carbon pieces



tightly in place, whereby a maximum area of contact between said jaws and carbon pieces is secured and oxidation thereof minimized.

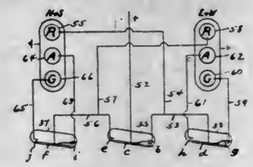
2,243,087
TYPEWRITER DESK
John S. Burdick, North Muskegon, Mich., assignor to The Shaw-Walker Company, Muskegon, Mich., a corporation of Michigan
Application March 2, 1939, Serial No. 259,345
4 Claims. (Cl. 312—29)



4. In a typewriter desk having a pedestal, a typewriter platform mounted in said pedestal and withdrawable therefrom to working position, mechanism for holding said platform against vibration when in working position, comprising a lever fulcrumed to said platform near its rear end and extending longitudinally forward therefrom, bolts pivotally connected to said lever at opposite sides of said fulcrum extending in opposite directions transversely of said platform, the ends of said bolts being formed to provide wedges, said pedestal being provided at opposite sides of said platform with means for engagement by the ends of said bolts, and means extending transversely of said platform with which said lever is normally engaged.

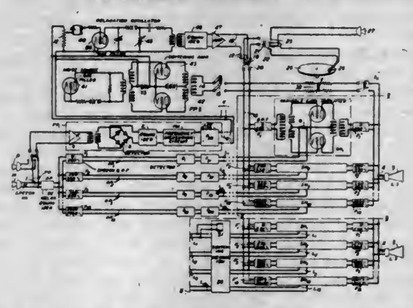
2,243,088
TRAFFIC SIGNALING SYSTEM
Leroy A. Clark, Miami, Fla., assignor to Mercury Timer Company, a corporation of Florida
Application April 7, 1939, Serial No. 266,637
2 Claims. (Cl. 177—337)

1. In a system of the character described, a group of east-west lights comprising a "stop," a "go" and a caution light, a group of north-south lights comprising a "stop," a "go" and a caution light, a master switch which when in one position closes a circuit energizing one stop light, and when in another position closes a circuit energizing the other stop light, said two circuits being independent of and including none of the "go" or "caution" lights, a pair of circuits for the east-west group in which the "caution" and "go" lights of said group are respectively included, a pair of circuits for the north-south group in which the "caution" and "go"



lights of said group are respectively included, an auxiliary, two-position switch for each of said pairs of circuits, said switches in one position energizing its associated "caution" light, and in its other position energizing its associated "go" light, and means for supplying energizing current for said pairs of circuits to the auxiliary switches through and under control of the master switch.

2,243,089
SYSTEM FOR THE ARTIFICIAL PRODUCTION OF VOCAL OR OTHER SOUNDS
Homer W. Dudley, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 13, 1939, Serial No. 273,429
26 Claims. (Cl. 179—1)

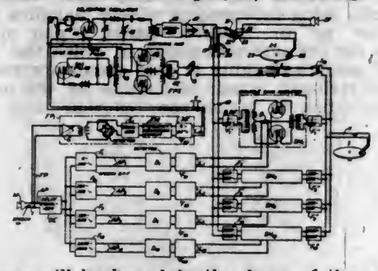


1. In combination, a source of music-representing waves, a source of speech waves, means to derive from each of a plurality of frequency subdivisions of the speech waves an index of the energy content of such frequency subdivision varying with time, means to modulate said music-representing waves in a plurality of circuits in accordance with said indices, and means to translate the resulting modulated wave energy into sound energy.

2,243,090
SOUND RECORD
Homer W. Dudley, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 1, 1939, Serial No. 307,030
1 Claim. (Cl. 179—100.4)

A reproducible sound record having a sound record track thereon of wave-like form representing a background cadence and with each wave in the track modified into wave-like form in accordance with a spectrum representing words, the background cadence waves in the

track being so modified by the spectrum waves that when the record is played, the background



cadence will be heard in the form of the spectrum words.

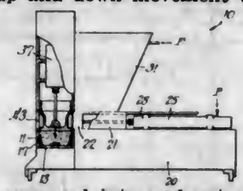
2,243,091
SMOKER'S ARTICLE
Mitsuo Eguchi, Los Angeles, Calif.
Application March 13, 1940, Serial No. 323,745
4 Claims. (Cl. 131—196)



1. A pipe comprising an upper and outer bowl housing, a lower and outer bowl housing including an inwardly directed annular shelf screwed onto said upper and outer bowl housing, a sleeve mounted in a friction tight manner in said upper and outer bowl housing, said sleeve extending part way into said lower and outer bowl housing and having its lower end in a closed relation therewith, there being an annular space between the outer wall of said sleeve and the inner wall of said lower and outer bowl housing, and there being vertically spaced apertures in the wall of said lower and outer bowl housing communicating with said annular space, an auxiliary bowl receptacle detachably mounted upon said shelf, a tobacco receptacle detachably mounted in said upper and outer bowl housing and resting upon said auxiliary bowl receptacle, there being an annular space between said tobacco receptacle and said sleeve, there being apertures in the bottom of said tobacco receptacle through which residue falls into said auxiliary receptacle, there being openings in said auxiliary bowl receptacle placing the chamber thereof and the annular space between said sleeve and said tobacco receptacle in communication with each other, and a stem having an opening communicating with the latter said annular space.

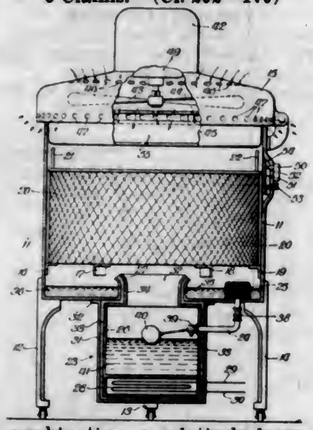
2,243,092
MOLD MAKING MACHINE
Euclid E. Eteau, Berwyn, Ill., assignor to Harold G. Carson, Chicago, Ill.
Application November 13, 1939, Serial No. 303,981
4 Claims. (Cl. 22—40)

1. A sand mold making machine comprising, in combination, a mold housing, carrier means for supporting a pattern plate with a flask thereon in said mold housing, housing means above and to one side of said mold housing and providing a sand pocket on said one side and having an excess sand opening on the opposite side, a sand hopper above said sand pocket for supplying sand thereto, a sand impeller operable in said sand pocket for pushing sand therefrom into said mold housing and operable into and out of said opening for pushing excess sand therethrough, operating means for reciprocating said sand impeller, head means and means for guiding the same for up and down movement through said



housing means and into and out of said mold housing for pressing sand into said flask, and operating means for reciprocating said head means.

2,243,093
DEGREASING AND CLEANING APPARATUS
Robert F. Flahive, Freeport, Ill., assignor to Leo Balles, Freeport, Ill.
Application October 10, 1938, Serial No. 234,163
6 Claims. (Cl. 202—170)

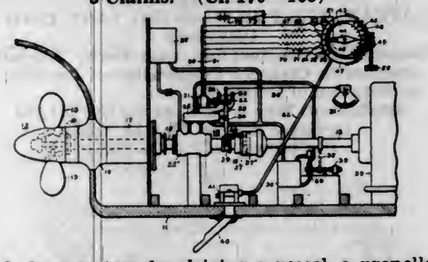


1. In combination, a relatively large tank for receiving parts for solvent vapor treatment, a tubular member extending upwardly from the bottom of said tank and forming with said bottom an annular solvent reservoir space thereat, the upper open end of said tubular member flaring laterally within said tank and partially restricting said reservoir space therein, a relatively small tank for generating solvent vapor disposed below the bottom of said large tank, coaxial with said tubular member a flaring restricted neck portion on said small tank projecting through said flaring tubular member into said large tank for conducting vapor from said small tank into said large tank, heat insulating means on the outside of said generator tank and on the restricted neck thereof, and a housing directly and substantially permanently connected to the bottom of said large tank for securing said generator tank thereto in heat insulated relation therewith.

2,243,094
REFRACTORY DENTAL MOLD FOR CASTING ALLOYS
Cornell Joel Grossman, Millburn, N. J.
No Drawing. Application December 12, 1939, Serial No. 308,829
1 Claim. (Cl. 22—188)

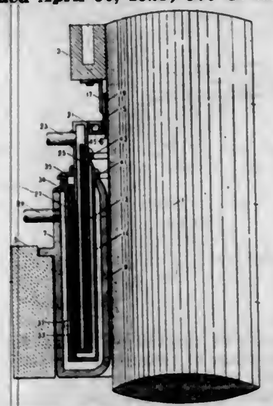
A casting mold and mold material for metallic dentures, and the like, comprising zirconium oxy chloride solution 8 to 15%, magnesium oxide .9 to 2%, balance zircon and zirconia.

2,243,095
VARIABLE PITCH PROPELLER CONTROL
John Hays Hammond, Jr., Gloucester, and George A. Colley, Newton Center, Mass.; said Colley assignor to said Hammond
Application September 29, 1938, Serial No. 232,324
3 Claims. (Cl. 170—163)



2. In a system for driving a vessel, a propeller having blades, means controlling the pitch of said blades, means of shiftable position responsive to the speed of travel of said vessel, means responsive to the direction of change of said speed responsive means connected to actuate said pitch changing means in a direction and by an amount to make a change in the pitch of said blades suitable for maintaining the speed of travel of said vessel constant, and means responsive to the amount of change of position of said speed responsive means in either direction to cause said pitch-changing means to operate at a rate of speed which varies according to said amount of change, being greater when the amount of said change is greater and vice versa, whereby the rate of change of pitch of the propeller blades depends upon the amount of variation in speed of travel of said vessel.

2,243,096
ELECTRODE SEAL
Stanford A. Hardin, Florence, Ala.
Application June 29, 1939, Serial No. 281,879
5 Claims. (Cl. 13—17)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

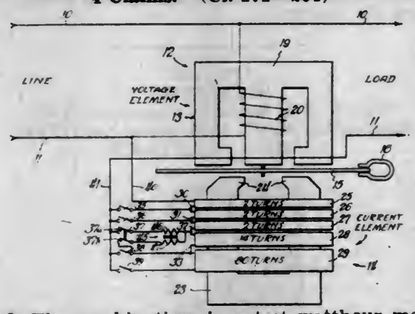


5. In a liquid seal adapted to permit movement of an electrode through an opening in a furnace roof without the passage of fluid from said furnace between said electrode and said roof, the combination which comprises a primary chamber around said electrode, a movable secondary chamber within said primary chamber and extending therefrom, a movable tertiary chamber within said secondary chamber and extending therefrom, a liquid inlet into the top of said tertiary chamber, liquid communicating means between said secondary chamber and said primary chamber, a liquid outlet near the top of said primary chamber, elements attached to the exterior of said tertiary chamber and said secondary chamber adapted to respectively engage the top of said secondary chamber and said primary chamber as said seal is extended, elements attached to the exterior of said secondary chamber and said tertiary chamber adapted to respectively engage the top of said primary chamber and said secondary chamber as said seal is contracted, and means for connecting the top of said tertiary chamber with said electrode and said primary chamber with said roof.

2,243,097
FLUORESCENT SCREEN
Stanley Thomas Henderson, Iver, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
No Drawing. Application January 31, 1939, Serial No. 253,781. In Great Britain February 10, 1938
1 Claim. (Cl. 250—81)

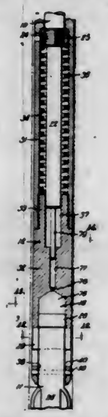
A luminescent screen comprising a mixture of silver activated zinc sulphide and manganese activated zinc borate.

2,243,098
ELECTRICAL MEASURING APPARATUS
Frederick C. Holtz, Springfield, Ill., assignor to Sangamo Electric Company, Springfield, Ill., a corporation of Illinois
Application August 7, 1939, Serial No. 288,712
4 Claims. (Cl. 171—264)



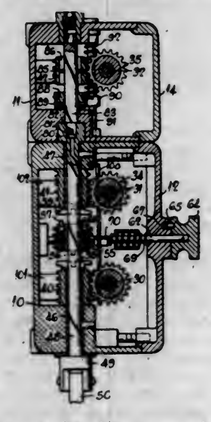
2. The combination, in a test watthour meter requiring a fixed number of ampere turns from its current element for rotating its disc at a predetermined speed and adapted to be connected in different circuits in each of which the full load current is different; of a plurality of series connected windings on said current element, one for each circuit, switch means for connecting said windings in different series circuit combinations in each of which the product of the full load current of the circuit to which the meter is connected and the number of series connected turns equals said fixed number, a transformer having primary and secondary windings, and switch means for connecting said primary winding in series circuit relation with certain of said windings and said secondary winding across another of said windings whereby said fixed number of ampere turns is provided on flow of predetermined load current in the last named series circuit.

2,243,099
TOOL USEFUL IN RECOVERING WELL TUBING, WELL CASING, ETC.
Glenn D. Johnson, Compton, Calif., assignor to Baash-Ross Tool Company, Los Angeles, Calif., a corporation of California
Application August 16, 1938, Serial No. 225,105
18 Claims. (Cl. 164—0.5)



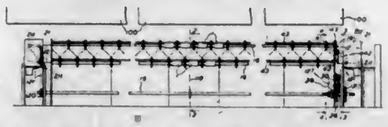
1. A well tool useful in parting the couplings of a tubular object in a well comprising a body to be entered in a tubular object in a well, knives associated with the body and operable outwardly to part or weaken the object, means urging the knives against the interior of the object to locate and engage in a coupling of the object, a charge of explosive carried by the body and operable when ignited to further actuate the knives to penetrate or spread the coupling, and means for firing the charge.

2,243,100
GEARING
Woodford A. Kennedy, Charlotte, N. C.
Application May 1, 1939, Serial No. 271,019
4 Claims. (Cl. 74—428)



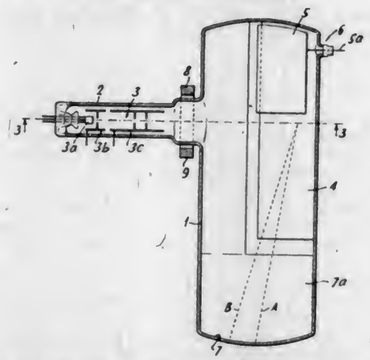
1. Counting mechanism comprising a pair of parallel shafts, a third shaft, a drive shaft for said parallel shafts, a second drive shaft for said third shaft, means connecting the second drive shaft to the first drive shaft, means for selectively connecting said parallel shafts to said first drive shaft and means for disconnecting the first drive shaft from the second drive shaft upon making a selective connection between one of the parallel shafts and the first drive shaft.

2,243,101
APPARATUS FOR WINDING YARN INTO CHEESES
Edward Kinsella, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application May 2, 1939, Serial No. 271,258
In Great Britain May 17, 1938
16 Claims. (Cl. 242—35.5)



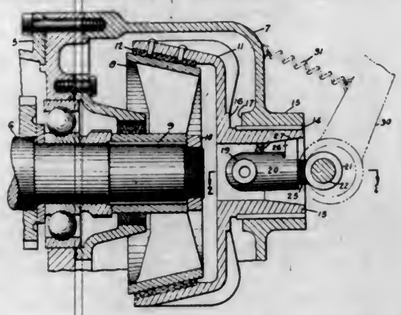
1. Automatic cheese winding apparatus, comprising drum means adapted to drive a cheese occupying a winding position in contact with the surface of said drum means, means to withdraw a completed cheese from said winding position and to transfer a cheese carrier into said winding position, means for traversing a thread lengthwise of the cheese in said winding position, and means for engaging the thread between said traversing means and a completed cheese and for carrying said thread into engagement with the cheese carrier being transferred into said winding position.

2,243,102
ELECTRON DEVICE
Otto Klemperer, Iver, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application April 23, 1938, Serial No. 203,752
In Great Britain May 1, 1937
10 Claims. (Cl. 250—158)



1. An electron discharge device for giving a visible indication of potential variation comprising a target member, means for projecting an electron beam, semi-cylindrical electrodes adapted to be maintained at potentials negative with respect to the electron beam means, one of said electrodes being spaced longitudinally from the other along the direction of the electron beam and being adapted to have applied to it potentials of which the variation is to be observed, whereby the projected beam is reflected onto the target member.

2,243,103
BRAKE
Harry A. Knox, Washington, D. C.
Application September 28, 1940, Serial No. 358,801
5 Claims. (Cl. 188—71)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a brake, a casing, a housing fixed on the casing, a rotatable shaft extending from the casing into the housing, an internal cone member fixed on the rotatable shaft, an external cone member having an axial sleeve slidably and non-rotatably mounted in the housing, a bar pivotally mounted in the sleeve, a shaft mounted in the housing transversely of the bar and having an eccentric finger pivotally engaging the bar, and means for rocking the transverse shaft.

2,243,104
METHOD OF PREVENTING COPPER PLATING
Frederick L Koethen, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 19, 1939, Serial No. 291,009
9 Claims (Cl. 62—178)

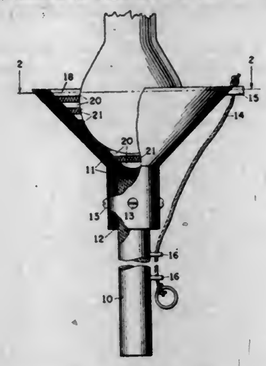
1. In a method of refrigeration which comprises condensing and evaporating a refrigerant of the class described the step which comprises condensing the refrigerant and evaporating it in the presence of a mineral oil containing disalicylal ethylene diamine.

2,243,105
ABRASIVE TOOL
Paul L. Kuzmick, Clifton, N. J., assignor to J. K. Smit & Sons, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 28, 1939, Serial No. 287,003
5 Claims. (Cl. 51—298)

1. An abrasive tool comprising finely divided particles of a plurality of metals of different degrees of hardness, abrasive granules, and a non-metallic binder, molded into an integral body, the metal particles, by weight, exceeding the abrasive granules.

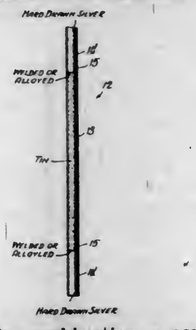
2,243,106
LAMP CHANGER
Rollin J. Limbert, Conshohocken, Pa., assignor to Suction Cup Lamp Changer Co., Scranton, Pa.
Application April 2, 1940, Serial No. 327,421
10 Claims. (Cl. 294—20)

1. A lamp changer comprising a pole, a suction cup of flexible material attached to one end of said pole, and a gripping surface on said suction



cup, said gripping surface comprising rough and smooth surfaces placed alternately.

2,243,107
FUSE CONSTRUCTION
Sigurd I. Lindell, Chicago, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Application August 3, 1940, Serial No. 350,776
18 Claims. (Cl. 200—135)

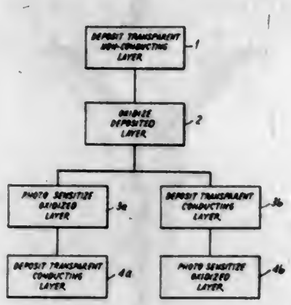


1. In a fuse, in combination, a core formed of metal having a relatively low melting point, a sheath formed of metal having a relatively high melting point surrounding said core and extending beyond the ends of the same, and a plug formed of metal having a relatively high melting point filling each end of said sheath and intimately bonded to the ends of said core for conducting heat away therefrom.

2,243,108
LIGHT SENSITIVE ELECTRODE
Hans Gerhard Lubszynski, Hillingdon, and Leonard Klatzow, London, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application March 10, 1938, Serial No. 195,196
In Great Britain March 10, 1937
5 Claims. (Cl. 250—27.5)

1. The method of preparing a transparent light sensitive electrode which comprises the steps of depositing a transparent, electrically non-conducting continuous layer of metal upon a supporting surface, oxidizing the deposited metal layer, photosensitizing the deposited layer, depositing upon the photosensitized layer a trans-

parent continuous electrically conducting layer of metal and continuing the deposition until the



thickness of the metal layer is greater than that of the photosensitized layer.

2,243,109

MECHANICAL PENCIL

John P. Lynn, Chicago, Ill., assignor to Dur-O-Lite Pencil Company, Melrose Park, Ill., a corporation of Delaware

Application April 29, 1940, Serial No. 332,255
32 Claims. (Cl. 120—17)



1. A mechanical pencil, comprising a pencil body having a tip portion and a barrel portion, said tip portion having a lead orifice at the end thereof and having a guiding bore in proximity to said orifice, the barrel portion of said body having a bore therein communicating with said first-named bore, lead propelling mechanism mounted for reciprocation in the body of said pencil comprising a lead guide tube, lead gripping means mounted for reciprocation with said lead guide tube and an actuating sleeve for said gripping means, and a spacing and aligning sleeve disposed in the body of said pencil having aligning engagement with said lead guide tube and having aligning engagement with said first-named bore, said lead gripping means and actuating sleeve being disposed for reciprocation in said first-named bore and being spaced from the interior surface thereof.

2,243,110

METHOD OF AND APPARATUS FOR REDUCING ORES AND EFFECTING OTHER CHEMICAL REACTIONS

Julius D. Madaras, Detroit, Mich., assignor to Madaras Corporation, a corporation of Delaware

Application December 24, 1935, Serial No. 56,089
Renewed July 5, 1940
19 Claims. (Cl. 75—35)



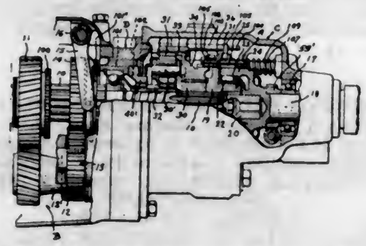
3. A process for reducing solid oxides with reducing gas comprising subjecting the oxide to the reducing gas under pressure and correct controlled temperature, releasing the pressure permitting the gas to escape and carry away the products of reaction and repeating the cycle until the desired reduction is accomplished.

2,423,111

MOTOR VEHICLE

Forest R. McFarland, Ferndale, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application February 29, 1940, Serial No. 321,452
6 Claims. (Cl. 74—290)



1. In a speed modifying mechanism for coupling a driving and a driven shaft, planetary gearing geared to said driving shaft, means for holding or releasing the sun gear of the planetary gearing, a clutch member shiftable to drivingly couple the planetary gearing with the driven shaft or to positively couple said shafts, means operable to shift said clutch member including a rod and yoke fixed together, a pair of manually operable mechanisms independently operable to actuate said clutch member shift means, and means for locking said rod from movement by either one of said pair of means that would drivingly engage said shafts while said sun gear is being held.

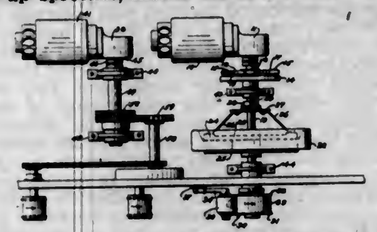
2,243,112

APPARATUS FOR SYNCHRONIZING PICTURES WITH SOUND

William J. Morrissey, New York, N. Y.

Application December 31, 1938, Serial No. 248,828
6 Claims. (Cl. 271—2.3)

1. In a device for projecting pictures and reproducing sound, a combined sound and picture record, sprocket means for moving said film through said device to project said pictures, a motor comprising the sole means for driving said sprocket means, a scanning device including a sound gate for producing light modulations corresponding to said sound portion of the film, a non-positive driving member for moving said film through said sound gate, a second motor comprising the sole means for driving said non-positive driving member, means forming a loop in said film between said non-positive driving member and one of said means functioning as a take-up sprocket, means forming a loop in said



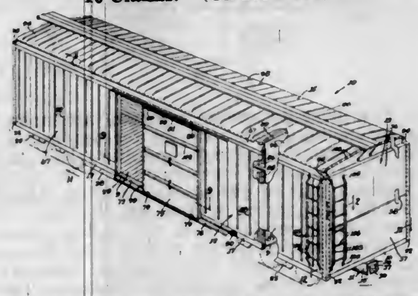
film between said sound gate and another of said sprocket means, and switching means controlled by the length of said first loop and having connected in circuit therewith instrumentalities for momentarily slowing the speed of said first motor thereby slowing all of said sprocket means to bring the picture back into synchronism with the portion of the sound record being scanned.

2,243,113

LIGHT WEIGHT BOXCAR

William H. Mussey, Chicago, Ill., and Raymond M. Shaver, Michigan City, Ind., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application February 15, 1937, Serial No. 125,688
10 Claims. (Cl. 105—404)



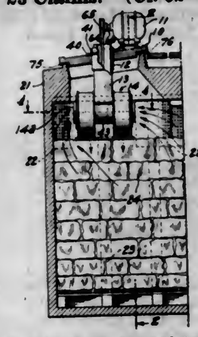
1. A railway car construction comprising side posts, side plates of hollow box section secured to the upper ends of the side posts on each side of the car, each of said side plates comprising inner and outer members of sheet metal, said inner member comprising a substantially horizontal web that rests on and extends continuously across the tops of said side posts, a depending outer side marginal flange that overlaps the outer faces of said side posts and an upstanding inner side marginal flange disposed in substantially flush alignment with the inner faces of said side posts, said outer member comprising a flat depending outer side marginal portion that overlaps and is rigidly secured to said depending outer side marginal flange of said inner member and a portion that is transversely bent on a curve that spans from side flange to side flange of said inner member and is rigidly secured to the top of the upstanding inner side marginal flange thereof, and merges into said flat outer side marginal portion of said outer member, and metal roof sheets spanning the car from side plate to side plate with their eaves end portions supported on top of and secured to the outer members thereof.

2,243,114

AIR CIRCULATING MEANS AND MOUNTING THEREFOR

William Henry Clay Ness and James F. Holmes, Los Angeles, Calif., assignors to National Cornice Works, Los Angeles, Calif.

Application June 24, 1940, Serial No. 342,066
23 Claims. (Cl. 62—24)



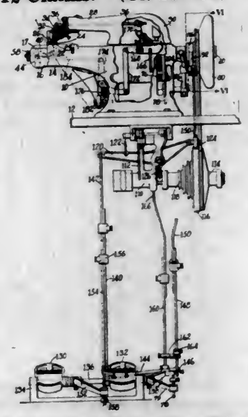
1. In a device for car refrigeration, a hatch cover, an extensible tube carried thereby and projecting downwardly therefrom when said cover is in its operative position, an air blower carried by the lower portion of said tube, a belt having its lower end portion operatively related to said blower, a motor mounted upon said cover and furnished with a shaft carrying a pulley over which the upper end of said belt passes, and means to adjustably maintain said motor and shaft in various tilted positions to maintain a proper tension in said belt when said extensible tube is varied in length.

2,243,115

FOLDING MACHINE

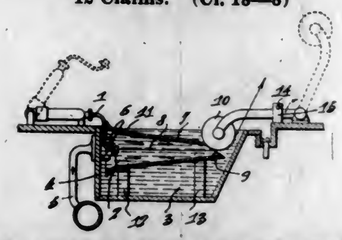
Carl A. Newhall, Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application August 21, 1939, Serial No. 291,152
12 Claims. (Cl. 12—55)



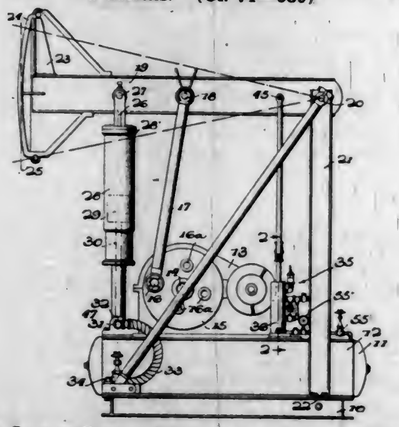
1. In a shoe-part-folding machine, a power-operated shaft, shoe-part-engaging tools arranged to be moved by said shaft, a clutch for controlling the supply of power to the shaft, said tools including a power-operated lip turner, and operator-controlled means for moving the lip turner bodily away from the work out of its normal path of movement and controlling the clutch.

2,243,116
APPARATUS FOR USE IN MANUFACTURING ARTIFICIAL FILAMENTS
Walter Ostermann, Wuppertal-Barmen, Germany, assignor to American Bemberg Corporation, New York, N. Y., a corporation of Delaware
Application March 8, 1937, Serial No. 129,541
In Germany March 9, 1936
12 Claims. (Cl. 18—8)



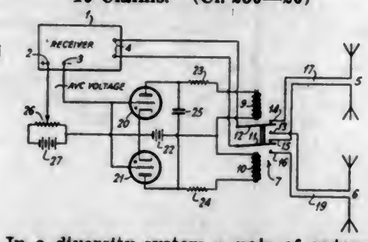
1. An apparatus of the class described, comprising a spinning nozzle, a trough containing a precipitating solution in which said spinning nozzle is immersed, a tubular element substantially concentric with and surrounding said spinnerette, and adapted to have the extruded threads pass therethrough, said tubular member having one end adjacent one side of said trough, means to vary the distance between the side of said trough and said end of said tubular member, and means to force fresh precipitating liquid through said tubular member and in the direction of travel of the filaments passing therethrough.

2,243,117
COUNTERBALANCED PUMPING UNIT
Edgar W. Patterson, Long Beach, Calif., assignor of one-half to M. D. Patterson, Long Beach, and one-half to Charles M. O'Leary, Jr., Los Angeles, Calif.
Original application November 19, 1935, Serial No. 50,540. Divided and this application January 6, 1939, Serial No. 249,666
3 Claims. (Cl. 74—589)



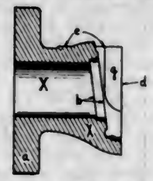
3. In a well pumping unit, a support, a Samson post, a beam pivoted on said post to swing vertically, power means having connection with the beam for swinging the latter and including adjusting means for regulating the stroke length of the beam movements, an air balance connected between the beam and the support for counterbalancing the effective movements of the beam, a compressor including a cylinder having valved air intake and discharge connections, and a piston therein connected to, and actuated by, the beam, an air reservoir into which the compressor discharge connection extends and the maximum working pressure of which corresponds to the maximum output pressure of the compressor and is controlled thereby, said reservoir having an open connection with the air balance and being otherwise closed during normal operation whereby maximum pressure therein will close the discharge valve of the compressor and cause alternate expansion and compression of air in the compressor, and means in the connection between the compressor piston and the beam for adjusting the compressor piston within its cylinder to compensate for changes in stroke length of the beam and also vary the effective operation of the compressor to increase or decrease pressure of the discharge from the compressor at any stroke length of the beam.

2,243,118
AUTOMATIC ANTENNA SWITCHING DIVERSITY SYSTEM
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 15, 1939, Serial No. 261,948
10 Claims. (Cl. 250—20)



1. In a diversity system a pair of antennae, a receiver having means therein for developing a potential proportional to the amplitude of signals applied to an input circuit of said receiver, means including a pair of gas discharge tubes so connected in an opposing relationship that only one of said tubes is conductive at any instant, means for applying said potential to said tubes in such manner that a drop in said potential causes the non-conductive tube to become conducting and the other to cease conducting and means coupled to each of said tubes for connecting one of said antennae to the input of said receiver.

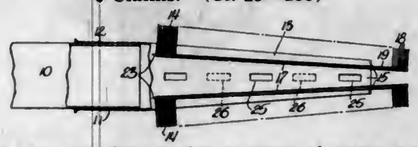
2,243,119
WROUGHT WELDED VALVE BODY AND METHOD OF MAKING THE SAME
Leland G. Plant, Washington, D. C.
Application December 7, 1936, Serial No. 114,682
Renewed November 7, 1939
5 Claims. (Cl. 29—157.1)



1. A method of making a gate valve body from wrought metal sections each of initially substantially cylindrical form, which comprises flaring

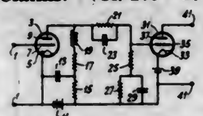
one end of each of a pair of said sections having the same bore and forming it to provide a flat U-shaped surface perpendicular to its axis, and a semi-annular face substantially parallel to its axis, forging valve port supporting surfaces and gate guide supporting surfaces upon the interiors of each of said flared sections, then assembling and welding the flared ends of said pair of sections along said U-shaped faces to form a valve barrel in which the semi-annular faces jointly present an annular embossed face, forming gate guide supporting surfaces upon the inner wall of a third section, and welding the third section to the annular face of said valve barrel with its axis perpendicular to the axis of the barrel.

2,243,120
ATTACHMENT FOR VACUUM CLEANERS
Chester R. Pollitt, Canton, Ill.
Application November 14, 1938, Serial No. 240,333
6 Claims. (Cl. 15—158)



1. An attachment for vacuum cleaners comprising a tube having an attachable portion and a second portion projecting from the attachable portion, said second portion having a slot cut through its wall and extending substantially the entire length thereof and open at one end, a brush element having attaching means including recesses and adapted to slide through the open end of said slot so that the recesses engage with the walls of the slot the same being thereby maintained against inward and outward movement, and means for maintaining said element lengthwise in said slot.

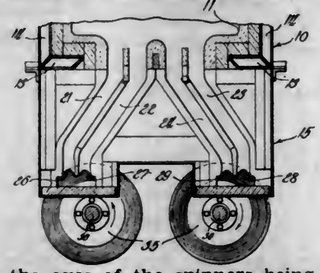
2,243,121
AMPLIFYING SYSTEM
Albert Preisman, Bronx, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 1, 1938, Serial No. 199,337
9 Claims. (Cl. 179—171)



1. In an amplifying system wherein is provided a thermionic tube having a cathode, control electrode, and anode, the method of preventing phase distortion in the system which comprises providing a first complex bifurcated impedance path between the cathode and control electrode one of the forks of said bifurcated path varying substantially with frequency, providing energy to be amplified from a source of energy having a plurality of frequency components, and interposing between the source of energy and the first complex impedance path a second complex bifurcated impedance path whose impedance differs only in magnitude by a real number from the impedance of the first impedance path.

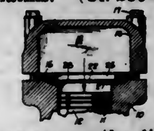
2,243,122
MEANS FOR SPINNING MINERAL WOOL
Charles F. Ramseyer, Chicago, Ill.
Application August 13, 1938, Serial No. 224,830
1 Claim. (Cl. 49—1)

In combination, a pair of rotary spinners mounted for rotation on vertical axes, each spinner having a conical spinning surface upon which are disposed a multiplicity of circumferential grooves for the spinning of fibers or threads, a container for a pool of molten material to be spun, a pair of ducts for each spinner leading from the container to a point above the spinner, said ducts terminating in spouts for depositing the material to be spun upon the grooves of the



discs, the axes of the spinners being spaced a less distance than the pairs of spouts and the spinners having means for driving them in opposite directions, the spouts of each pair lying at different radial and angular positions relative to the cooperating spinner whereby the grooves are supplied with molten material of substantially equal consistency and substantially without spattering.

2,243,123
FLUID TRANSLATING APPARATUS
John G. Ritter, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 17, 1939, Serial No. 279,633
8 Claims. (Cl. 230—231)

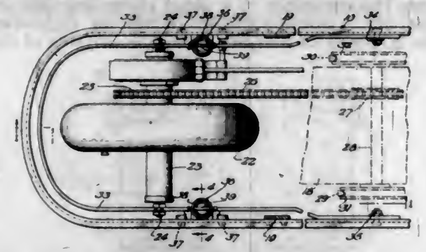


1. In a compressor or the like, the combination of a cylinder member having a cylinder formed therein, a piston movable in the cylinder, a valve plate closing one end of the cylinder and having a suction valve port disposed in registry with the cylinder, a thin flexible valve reed or strip adapted to close said port, said valve strip being disposed between the cylinder member and the valve plate and extending across said cylinder with both end portions thereof projecting beyond the cylinder, and said cylinder member being formed with recesses adapted to receive the projecting end portions and permit the same to move therein angularly about the ends of the strip when the valve strip is bowed into the cylinder upon the suction stroke of the piston.

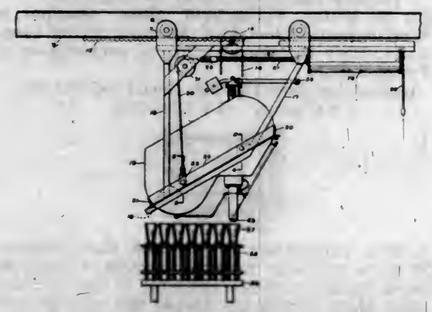
2,243,124
ROAD VEHICLE
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application February 20, 1939, Serial No. 257,396
3 Claims. (Cl. 180—33)

1. In a road vehicle comprising a horizontal main frame, a motor supported thereby provided with a rotary driving member having an axis disposed transversely of said frame, a drive wheel

and axle assembly located between side portions of said main frame, means operable by said driving member for driving said wheel, and means for accommodating relative vertical movement of said wheel and axle assembly with respect to said main frame comprising a spring-cushioned auxiliary frame of U-shape disposed between the side members of the main frame and carrying said assembly and pivotally attached adjacent the ends of the arms thereof to said main frame on an axis coincident with the transverse axis of said driving member.



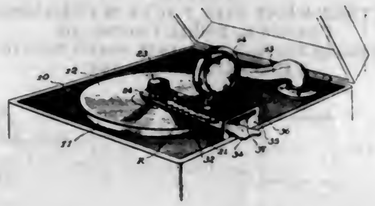
2,243,125
POURING APPARATUS
George D. Rogers, Dover, N. J.
Application November 16, 1939, Serial No. 304,728
9 Claims. (Cl. 221—98)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



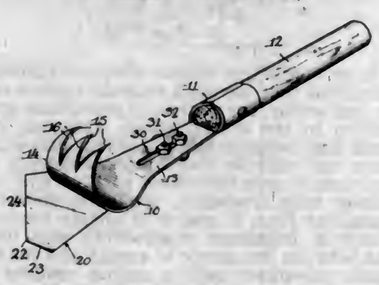
1. A pouring apparatus comprising a carriage having side frames, a jacketed pan trunnioned in the side frames, said pan having a reservoir and including an upwardly extending rear wall providing a trough, a plurality of measuring containers mounted in the rear wall and open to the trough, a jacket enclosing the containers, a pouring spout on the lower end of each container and having fluid communication therewith, a jacket enclosing the pouring spouts, a valve for closing the lower end of each container and including a stem extending upwardly through the container, means for actuating the valves, means for passing a heating medium through the jacketed members, and means on the carriage for tilting the pan on its trunnions.

2,243,126
REPEATER FOR PHONOGRAPHS
Joseph Louis Routin, Paris, France
Application March 27, 1939, Serial No. 264,431
In France June 8, 1938
6 Claims. (Cl. 274—14)

1. In a repeater device to be used with a sound reproducing machine including a casing, a driven rotary table supported thereby on a vertical spindle having its upper end projecting above the table, a record disc having a central hole therethrough and a spiral sound track on the face thereof supported on said table for rotation therewith, a reproducer carrying a needle for engagement with the sound track of the record, said reproducer and needle being mounted on said casing for horizontal movement across the face of the record and for vertical movement to raise the needle off the record, the combination of a lifting rod secured to the reproducer and having its free end located some distance above the record, and a thin narrow strip extending lengthwise generally parallel to the path of movement of said needle and under the end of the lifting rod, said strip being longer than the radius of said disc, one end of said strip having a socket therein into which the spindle of said rotary table is adapted to extend and the other end being formed as a handle to be grasped by the operator, said strip having a series of transverse generally radially outwardly inclined grooves formed in its upper face, means associated with the socketed end of the strip for adjusting the distance of the grooves from the socket at will, said grooves cooperating with the lifting rod when the handle of the strip is raised and the strip swung about its pivot to first lift the needle off the record and then move it backward.

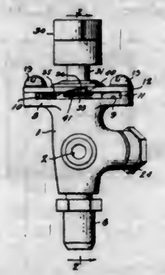


2,243,127
WEEDING AND CULTIVATING TOOL
Joseph A. Roseman, Glenview, Ill.
Application October 11, 1937, Serial No. 168,327
4 Claims. (Cl. 7—14.3)



1. A cultivating tool comprising in combination an elongated handle, a shank, a claw member curving outwardly from said shank, having a plurality of pointed teeth along its outer edge, the adjacent edges of said teeth meeting each other with sharpened cutting edges, a relatively flat blade attached to said shank and projecting beyond said claw member and having a sharpened cutting edge along its outer end, and means supporting said blade for longitudinally slidable and lateral swinging adjustment relative to said claw member.

2,243,128
VALVE STRUCTURE
Francis H. Rutherford, Detroit, Mich., assignor to Detroit Brass & Malleable Works, Detroit, Mich., a corporation of Michigan
Application January 18, 1939, Serial No. 251,459
2 Claims. (Cl. 251—165)

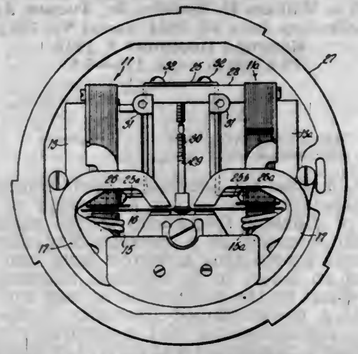


1. A gas cock comprising a valve body and a rotatable valve member which have passageways which are out of registry in one extreme position of the valve member, some of which are in registry in another extreme position of the valve member and some of which are in registry in an intermediate position, a valve stem slidably and non-rotatably connected to the valve member, a cap secured to the valve body through which the stem extends, a collar on the stem inside the cap, a washer member non-rotatably and slidably mounted on the stem and positioned adjacent the collar, a spring between the valve member and the washer member, the body and cap being arranged to form a slot with a stop at each end, said washer member having a projection movable in the slot, the stops and projection determining the extreme rotary positions of the valve member, and a notch in the cap opening into the slot in said intermediate position, and defined by an abrupt shoulder and an inclined plane whereby the said valve stem may be rotated in one direction between stops without axial movement, said abrupt shoulder facing the stop at the end of the slot which determines that position of the valve member when the passageways are out of registry whereby the valve may be freely turned between positions determined by the abrupt shoulder and one of the stops.

2,243,129
YEAST
Alfred S. Schultz, Bronx, N. Y., assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application June 16, 1937, Serial No. 148,509
10 Claims. (Cl. 99—96)

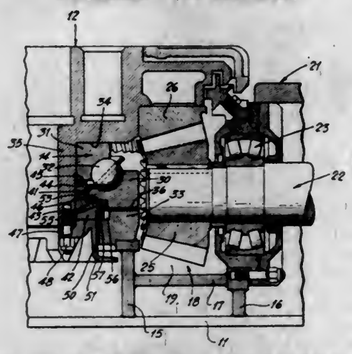
9. A process for increasing the vitamin B_1 content of yeast, which comprises placing yeast in a medium containing an aqueous extract of unsaccharified rice polish and rice bran which has been heated to a temperature of about 75° C. and cooled, at a pH of about 5, allowing said yeast to remain therein for a period of from 15 minutes to one hour with agitation at room temperature, and separating yeast from said medium.

2,243,130
POLYPHASE WATT-HOUR METER CONSTRUCTION
William W. Sherwood, Springfield, Ill., assignor to Sangamo Electric Company, Springfield, Ill., a corporation of Illinois
Application February 10, 1938, Serial No. 189,759
3 Claims. (Cl. 171—264)



3. In a polyphase induction watthour meter, in combination, a rotatably mounted disc, a pair of induction watthour meter units cooperating with said disc for applying torque thereto, said watthour meter units being symmetrically positioned adjacent diametrically opposite edges of said disc and each including a voltage element and a current element with cores individual thereto, and a magnetic bridge member extending between said units with its ends adjacent said disc and interfitting with the respective cores of like elements.

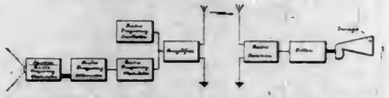
2,243,131
HOLD-DOWN BEARING FOR ROTARY
David M. Smith, Hermosa Beach, and Leroy Newcomb, Southgate, Calif., assignors to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application January 10, 1940, Serial No. 313,232
15 Claims. (Cl. 308—230)



1. In combination in a rotary machine of the class described: a base; a table; main bearing means including a lower race supported by said base and an upper race supporting said table; an abutment shoulder on said lower race; a hold-down element on said table having a shoulder which extends below said abutment shoulder; a lubricant return means on said table below said bearing means; and lubricant throw-off means formed on said hold-down element below said

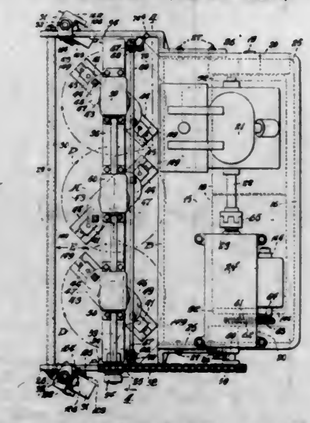
abutment shoulder for delivering lubricant from the space between said shoulders to said lubricant return means.

2,243,132
TELEVISION SYSTEM
Walter Solier, Cincinnati, Ohio, assignor of one-half to William H. Woodin, Jr., Tucson, Ariz.
Application June 30, 1934, Serial No. 733,300
Renewed December 9, 1938
10 Claims. (Cl. 178—6.8)



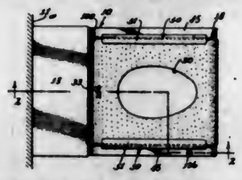
1. A method of television which consists in simultaneously modulating a plurality of currents of different frequencies by the variations of light intensity on a corresponding plurality of points constituting a narrow strip unit portion of an object to be televised, scanning the total object by the progression of said unit portion at a predetermined frequency across said object, combining the said modulated currents of different frequencies and current of said scanning frequency to form a complex wave, amplifying and transmitting said complex wave, filtering the several modulated currents of different frequencies and the current of said scanning frequency into separate channels at the receiving end, separately rectifying said filtered modulated currents, utilizing the varying currents resulting from said rectifications separately to control secondary electron emissions, amplifying the voltage of said scanning frequency and utilizing said voltage of said scanning frequency to control the deflection of all secondary electrons in synchronism with the progression of said unit strip across said object.

2,243,133
POWER MOWING DEVICE
Joseph C. Steiner and Claude C. Fulton, St. Louis, Mo.; said Fulton assignor to said Steiner
Application March 19, 1938, Serial No. 196,875
6 Claims. (Cl. 56—25.4)



5. A power moving device comprising, a base member having a rearwardly disposed traction roller, a frame disposed forwardly of said base member and having side arms detachably secured to said base member, casters for the support of said frame, a vertically disposed guiding member secured to each side arm, a transversely disposed beam having depending ends adjustably secured in respective guiding members, a series of horizontally rotatable cutters supported from said beam, a motor mounted on said base member, and means to drive said roller and said cutters from said motor.

2,243,134
SANITARY PAPER SEAT COVER APPARATUS
Harry I. Stiller, Los Angeles, Calif.
Application May 3, 1939, Serial No. 271,461
14 Claims. (Cl. 4—247)



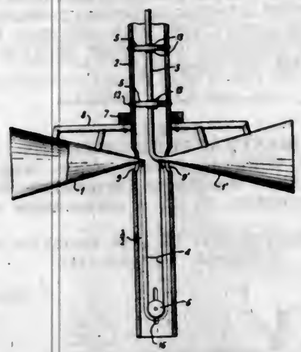
1. An apparatus to successively position sections of a sheet of paper from a roll over the seat of a water closet, each section of paper having a hole therein corresponding to the hole in the seat, comprising: a paper supply spool containing paper, guide means directing the paper drawn therefrom across the top surface of the seat, a take up spool for winding up used paper, an electric motor to rotate the take up spool, a switch in the motor circuit, and a paper measuring device engaging the paper independently of the take up spool and rotatable by the paper actuating the switch to break the circuit and stop the motor when paper the length of one section has been wound up.

2,243,135
FUSE
Hugh A. Triplett, Wilmette, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Application May 26, 1937, Serial No. 144,789
44 Claims. (Cl. 200—135)



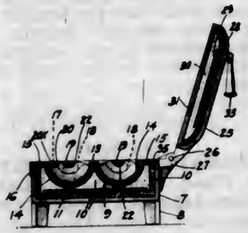
1. In a fuse, in combination, a core formed of metal having a relatively low melting point, a metal sheath having a relatively high melting point and forming a self-supporting container for said core unbonded thereto with at least one end extending beyond the corresponding end of said core, and metal plug means extending into said one end of said metal sheath for conducting heat away from said core.

2,243,136
WIDE BAND ANTENNA SYSTEM
Bertram Trevor, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 24, 1940, Serial No. 320,607
6 Claims. (Cl. 250—33)



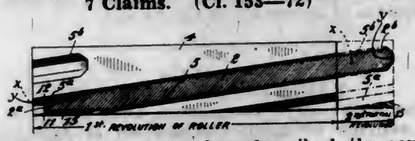
1. In combination, an antenna comprising a pair of conical surfaces of revolution, the apices of such surfaces being adjacent, a single coaxial transmission line having an inner conductor and an outer shell, said inner conductor being connected to the apex of one of said surfaces of revolution and a section of two-wire line having a total length equal to half the length of the operating wave connecting the apex of the other of said conical surfaces of revolution to the junction of said inner conductor and the first said apex, the outer shell of said coaxial line extending over said two-wire line and arranged at right angles to the axes of said conical surfaces of revolution whereby a symmetrical structure is attained.

2,243,137
COOKER FOR PREPARING WIENER SANDWICHES
Clyde W. Vaughan, Los Angeles, Calif.
Application November 12, 1940, Serial No. 365,290
4 Claims. (Cl. 107—66)



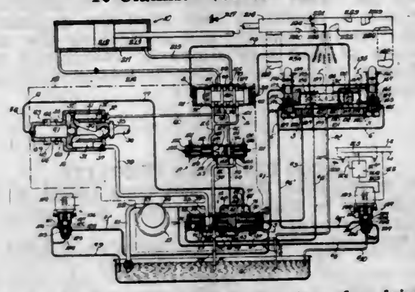
1. In combination, a base provided with a trough substantially semicylindrical in cross section, said trough containing transverse webs in its lower portion, said webs each having a central arcuate recess to receive and support a split wiener, with its flat face on a level with the top of the trough, a cover hinged to said base and having a flat face portion to engage the flat face of the split wiener supported by said webs and to simultaneously engage edible material filling said trough, and self contained means to supply a cooking heat both to said cover and to the trough portion of said base.

2,243,138
DEVICE FOR FORMING SCREW CLOSURE CAPS AND SIMILAR ARTICLES
Louis A. Von Till, East Rockaway, and John G. Kosar, Brooklyn, N. Y., assignors to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York
Application April 1, 1938, Serial No. 199,400
7 Claims. (Cl. 153—72)



1. In a device of the class described, the combination of a member adapted to engage the outer side of the skirt of a blank, a circular second member having a maximum diameter smaller than the inner diameter of the skirt of the blank to engage the inner side of the skirt, one of said members having a thread projection and the other of said members having a thread groove, said thread projection and thread groove being inclined at the same angle to cooperate with each other in forming a thread on the blank, the difference in width between the thread projection and the thread groove at one end thereof being increased substantially to permit a partial second revolution of said second member and to eliminate interference between the blank thread and said groove during the partial second revolution of the second member necessary to form a thread in the skirt of the blank of greater length than the circumference of the second member.

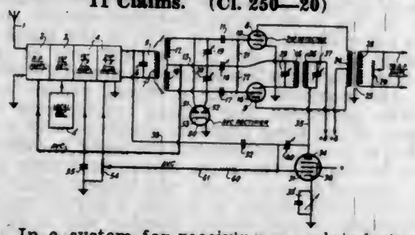
2,243,139
HYDRAULIC CIRCUIT
Gunnar A. Wahlmark, Rockford, Ill.
Application May 15, 1937, Serial No. 142,886
10 Claims. (Cl. 60—52)



1. In a hydraulic actuator system for driving a member at different rates and in opposite directions, in combination, a reservoir for storing the fluid to be circulated, a hydraulic motor operatively associated with the member to drive the same, a traverse pump and a feed pump, said traverse pump being operable to draw fluid from the reservoir and to discharge the same to said feed pump, hydraulically shiftable reversing valve means interposed between said feed pump and said motor for governing the direction of discharge of fluid to the motor, volume control valve means having a first adjustment in which all of the fluid discharged by the traverse pump is returned to the reservoir, a second adjustment in which a portion of the fluid discharged by the traverse pump is metered by the feed pump and discharged at increased pressure to the motor, the fluid supplied by the traverse pump in excess of that metered by the feed pump being

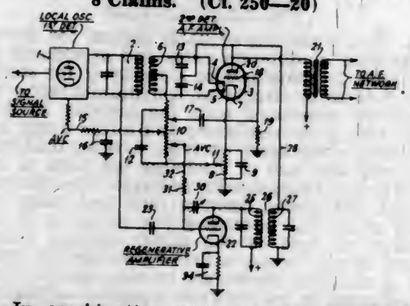
returned to the reservoir, and a third adjustment in which all of the fluid discharged by the traverse pump is supplied to the motor, and pilot valve means for coordinating the position of said reversing valve means and the adjustment of said volume control valve means, said pilot valve means being capable of coordinating the reversing and volume control valve means to obtain feed or traverse rate of movement in both directions of movement of the member.

2,243,140
RADIO RECEIVER CIRCUITS
Roy A. Weagant, Douglaston, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 14, 1938, Serial No. 234,983
11 Claims. (Cl. 250—20)



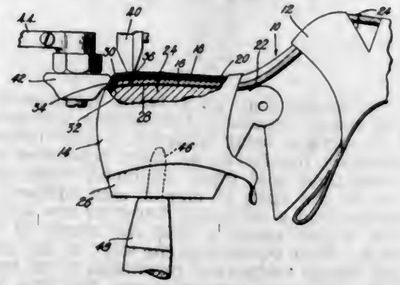
1. In a system for receiving modulated signal carrier energy and which includes a pair of detectors in relatively opposite phase relation whereby products of detection arising solely out of the signal voltages are balanced out of the detector output circuit, the method comprising impressing equal magnitudes of said energy upon said detectors, deriving from the received modulated carrier energy oscillations of a frequency equal to the carrier frequency, impressing the derived oscillations upon said detectors in such phase relation that the oscillations are in phase with the signal voltage in one of the detectors, deriving a control voltage from the modulated signal carrier energy, and controlling the amplitude of said oscillations by controlling the efficiency of said oscillation-derivation with said control voltage.

2,243,141
RADIO RECEIVER CIRCUITS
Roy A. Weagant, Douglaston, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 18, 1940, Serial No. 335,892
8 Claims. (Cl. 250—20)



1. In combination with a detection network provided with an input circuit tuned to a desired signal carrier frequency, a source of signal energy coupled to the input circuit for impressing upon the input circuit signal energy of a relatively small magnitude, means operatively associated with said source for deriving therefrom signal carrier energy of said signal frequency, said last means being constructed to amplify the derived energy to a relatively high amplitude with respect to the amplitude of the signal energy at said detection network, and means for applying the amplified derived energy to said detector network whereby detection of desired modulated carrier energy occurs with high efficiency and detection of undesired interfering signal energy is of relatively low efficiency.

2,243,142
MANUFACTURE OF SHOES
Herbert J. Willmott, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application February 15, 1940, Serial No. 318,999
6 Claims. (Cl. 12—142)

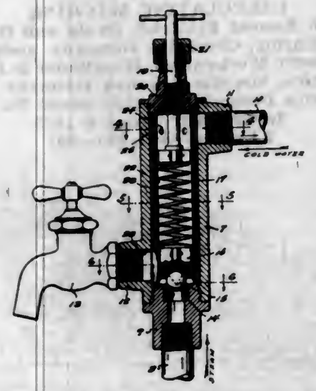


1. That improvement in methods of making shoes which consists in providing a premolded back part having an inturned bottom flange, assembling the back part with an insole on a last with the front ends of the bottom flange positioned in alinement with each other, pressing the rear portion of the back part against the last and driving a fastening through the rear portion of said bottom flange and into the insole, thereafter engaging each side of the back part at a plurality of localities above the bottom flange and spaced apart in directions lengthwise of the latter and pressing the back part toward the edge of the insole and against the last at each of said localities, and while the pressure is being maintained in each locality driving a fastening through the bottom flange and into the insole at a point adjacent to the point of application of the pressure.

2,243,143
PREPARATION OF HOP EXTRACT
Lyndon D. Wood, Chicago, Ill., assignor to National Hops Laboratories, Inc., Chicago, Ill., a corporation
No Drawing. Application February 2, 1939, Serial No. 254,313
5 Claims. (Cl. 99—50.5)

4. The process for extracting the essential principles of hops, consisting in pulverizing the mass of hops in a closed space and under non-elevated temperature conditions to prevent dispersion of the volatile contents of the hops, adding a solution of aqua-ammonia sufficient to saturate the mass and allowing same to stand for from six to twelve hours, adding isopropanol and allowing the mixture to stand for a period of twelve hours, thereafter separating the liquid from the solid material, concentrating the liquid extract for a sufficient length of time to remove substantially all of the isopropanol and as much of the liquid extract as desired, extracting the activated carbon therein, and permitting the product to stand for a considerable period to remove rancidity from old hops.

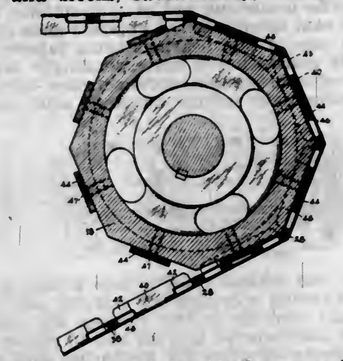
2,243,144
WATER HEATING SYSTEM
William Auckland, Seattle, Wash.
Application July 1, 1939, Serial No. 282,391
6 Claims. (Cl. 261—64)



1. In a water heating system operating by the injection of a fluid heating agent into the water to be heated, the combination of a mixing chamber of relatively small volumetric capacity having a pair of admission ports leading to and a delivery port leading from the same, a pipe connecting one of the admission ports with a pressure source of cold water supply, a pipe connecting the other admission port with a pressure supply of a fluid heating agent, a check valve for the last-named admission port arranged to close against the pressure of the heating agent, and a manually regulated valve operating to govern the flow capacity of the delivery port in relation to that of the cold water admission port and acting by the degree to which the former exceeds the latter to obtain a progressive reduction in the pressure of the water within the mixing chamber below the pressure of the heating agent, thereby to control the relative opening of the check valve and proportionate admission of the fluid heating agent into the stream of cold water flowing through the mixing chamber.

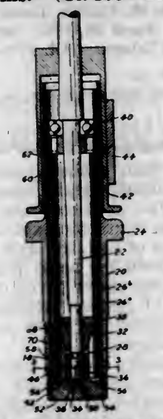
2,243,145
PANELED LEHR BELT
George W. Batchell, Toledo, Ohio
Application February 16, 1940, Serial No. 319,326
2 Claims. (Cl. 198—189)

2. In a paneled belt for lehrs, a plurality of panels, each having side flanges and looped end parts; the end parts having inwardly extending portions and end flanges welded to the underside of the panel; the end flanges having side ears welded to the side flanges; the inwardly extending portions forming sprocket-engaging shoulders for driving the belt; the looped end parts having slots forming dovetailing, hollow lugs; rods extending through the lugs for connecting the panels; a driving cylinder and an idler having octagonal faces and face lengths, substantially, the same as the distances between the rods; and blocks, substantially, fitting between



the said portions and the side flanges and located on the faces.

2,243,146
BOLSTER
Herbert G. Beede, Pawtucket, R. I.
Application May 23, 1938, Serial No. 209,470
12 Claims. (Cl. 308—169)

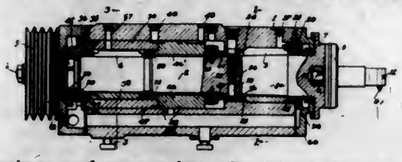


1. Means for non-rotatably securing the lower end of bolster means to the lower end of a bolster case in a spindle having a rotatable spindle blade, a bolster case adapted to be rigidly secured to a machine frame having a base plug contained within the lower end thereof, a floating outer bolster within the bolster case, and a floating inner bolster within said outer bolster, comprising a plurality of circumferentially extending radially spaced fingers projecting axially upwardly from the outer portion of said base plug, and a plurality of complementary circumferentially extending radially spaced slots in the lower end of isa douter bolster of greater width than said fingers for loosely receiving said fingers therein.

2,243,147
OFFSETTING ARRANGEMENT FOR BORING TOOLS AND THE LIKE
Harold L. Blood, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application June 26, 1939, Serial No. 281,195
7 Claims. (Cl. 77—3)

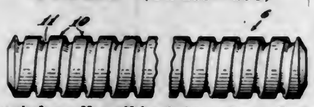
7. In apparatus of the class described, a hous-

ing, a rotary spindle journalled in said housing and projetcing from one end thereof, a boring tool on the projecting end of said spindle, bearings for said spindle at the opposite ends of said housing, one of said bearings being tapered and normally contacting a correspondingly tapered portion of said spindle, spring means thrusting laterally on said spindle adjacent said tapered



bearing, and means brought into action at the end of a boring operation for shifting said spindle axially, thereby to free it from the holding action of said tapered bearing and to render said spring means effective for displacing said spindle laterally to offset its tool from the bored surface, the other bearing for said spindle comprising a plurality of rockable shoes adapted to yield in response to said lateral spindle displacement.

2,243,148
TEMPLE ROLL
Roger W. Cutler, Boston, Mass.
Application April 16, 1937, Serial No. 137,245
4 Claims. (Cl. 139—296)



1. A peripherally ribbed temple roll having a hollow, substantially rigid core and a resilient covering therefor, said covering having substantially four cloth contacting spiral turns of rib for each linear inch of roll, the axial width of the rib being greater than the axial width of the groove lying between successive turns of rib, said covering consisting of resilient Koroseal which is not injuriously affected by cloth contained oily or aciduous substances.

4. A peripherally ribbed temple roll covering having only from substantially three to substantially four helical cloth-contacting turns of rib per linear inch of roll, and in which the consecutive turns of the rib are separated by a helical groove whose axial width is less than the axial width of the cloth-engaging face of the rib, characterized in that the rib turns are of Koroseal which is not injuriously affected by oil or acetic anhydride and which has a normal working hardness, as measured by a Shore durometer, of the order of from 45 to 65.

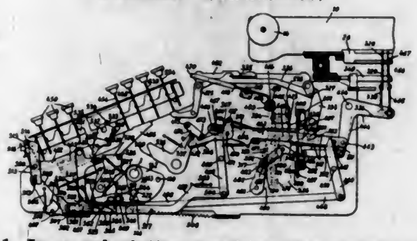
2,243,149
METHOD AND APPARATUS FOR THE MANUFACTURE OF HARDENED GLASS
Georges Paul Despret, Paris, France, assignor to The American Securit Company, Wilmington, Del.
Application February 10, 1936, Serial No. 63,241
In France February 11, 1935
4 Claims. (Cl. 49—3)

1. In apparatus for the manufacture of hardened glass sheets, the combination of a melting tank, means for withdrawing and forming from said melting tank a continuous ribbon of glass in sheet form, means for case-hardening or tempering said ribbon of glass, so constructed and arranged to rapidly chill the glass before its temperature is reduced to a point substantially be-



low its softening point, and means for cutting said case-hardened or tempered ribbons into case-hardened or tempered sheets.

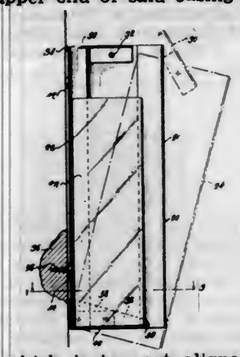
2,243,150
CALCULATING MACHINE
Heinrich Konrad Friedrich Ewald and Hermann Karl Ehring, Chemnitz, Germany, assignors to Wanderer-Werke vorm. Winklhofer & Jaenicke Akt.-Ges., Siegmar-Schonau, Germany
Application December 23, 1937, Serial No. 181,440
In Germany March 6, 1935
2 Claims. (Cl. 235—60)



1. In a calculating machine the combination of a machine drive, a differential mechanism, an adding and subtracting totalizer, a change-over means for shifting the totalizer from its addition position to its subtraction position or vice versa, transmission members for actuating the change-over means from the machine drive, control means between the transmission members and the change-over means controlling the shifting of the totalizer, a shiftable member for engaging the totalizer with the differential mechanism, controllable members for connecting the shiftable member with the machine drive for a total-taking operation, intermediate members for shifting one of the controllable members into operative position, settable members for operating the intermediate members, yielding means between the settable members and the intermediate members, first means connected to the settable members for initiating the machine drive, second means connected to the intermediate members for initiating the machine drive, and locking means for locking the intermediate members, said locking means being controlled in dependence upon the position of the totalizer and upon the positive or negative sign of the contents of the totalizer and being operative in positions of the totalizer not corresponding to the sign of its contents.

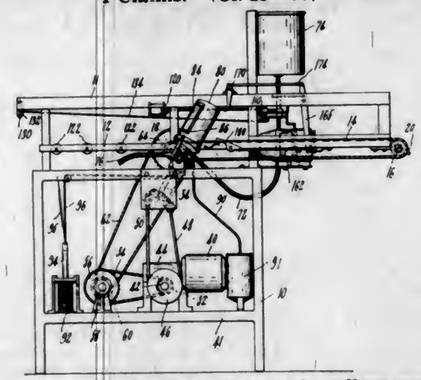
2,243,151
DIFFUSER
Melvin Fuld, Baltimore, Md., and Alfonso M. Leoni, Beachwood, N. J.; said Leoni assignor to said Fuld
Application July 20, 1939, Serial No. 285,612
8 Claims. (Cl. 299—24)

1. A diffuser for a volatile deodorant comprising a separable casing having substantially closed and continuous vertical walls, a tray attached near the lower end of said casing for supporting a volatile deodorant, said tray being shallow relative to the body of deodorant supported thereby, said tray being partially spaced from said casing to define an opening in the lower end of said casing, the upper end of said casing containing



an opening which is in part aligned with the opening at said lower end, said casing containing a substantially straight passage between said openings and adjacent said body of deodorant.

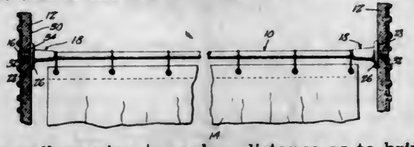
2,243,152
MECHANISM FOR CLEANSING TYPE IN GALLEYS
Joseph F. Hall, Walpole, and Charles P. Dunn, Norwood, Mass., assignors to Plimpton Press, Norwood, Mass., a corporation of Massachusetts
Application April 8, 1938, Serial No. 200,914
4 Claims. (Cl. 15—77)



1. Apparatus for cleansing type in galleys, comprising a rotatable brush, means for advancing loaded galleys past said brush so that the inked type faces are engaged thereby, means for supplying a liquid detergent to said brush, and automatic control means for said liquid supply including a trigger engageable by type in an advancing galley to cause said supplying means to operate.

2,243,153
HANGER
Emmett N. Hanger, Washington, D. C.
Application March 4, 1939, Serial No. 259,917
1 Claim. (Cl. 156—22)

A hanger comprising a bar for connection with spaced walls each having an opening, the bar having a length greater than the spacing between the walls, to have its ends inserted in the openings, said bar having threads extending inwardly of each end, flange elements each having a threaded bore for threaded connection with the threads on one end of the bar and fashioned to have engagement with the face of one of said walls, said flange elements engaging the wall to restrain the bar from relative endwise movement, at least one of said flange elements being threadable inwardly of the bar sufficiently far to permit that end of the bar to be inserted in its respec-



tive wall opening to such a distance as to bring the other end of the bar in the clear of its respective wall and into alignment with the opening therein for insertion in the opening, a tubular member fashioned integrally with each flange element and having an inside diameter fitting loosely about the bar and of such length as to mask the threads on that end of the bar.

2,243,154
POULTRY FEEDER
Clarence Elliott Hedrick, Newton, Kans.
Application October 12, 1939, Serial No. 299,127
3 Claims. (Cl. 119—61)

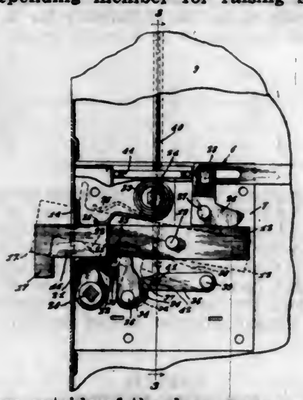


1. In a poultry feeder formed from a single sheet of material comprising a bottom, sides, end walls, two top portions and a ridge, the end walls having interlapping members and tying means to secure said members as closures for the ends of the feeder while the top portions each have extensions bent at right angles toward each other to interlap and being positioned inward of the end walls to retain the said extensions in position to close the ends of the top portions, one of said top portions having slits spaced apart therealong, and barbed tongues carried by the other top portion in registry with the slits, an intermediate portion of the slits being in parallelism with the ridge longitudinally, while a portion at each end of the slits extends divergently into its respective top portion a short distance providing a rockable lip to permit the barbs of the tongues to pass through at the lower extremity of the slits' divergence and the said barbed tongues being forced upward and toward the ridge by the lips to prevent the barbs' removal from the slits whereby the members of the ridge are tied together in parallelism.

2,243,155
DOOR LOCK
Frank Hizdos, Bethlehem, Pa.
Application November 8, 1939, Serial No. 303,461
3 Claims. (Cl. 292—124)

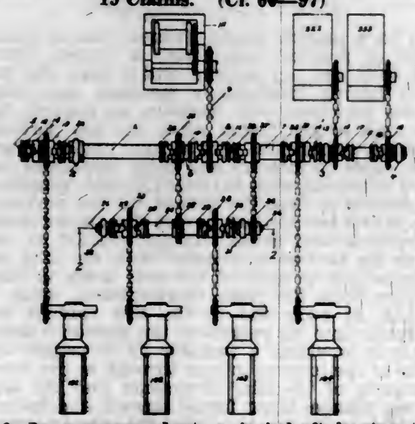
2. In a door latch, a case plate having an extending flange with an aperture therein, an elongated substantially rectangular-shaped latch bolt pivotally connected intermediate its ends to said case plate, one end of said latch bolt projecting

through said aperture and formed with a depending portion adapted for engagement with a keeper, a member depending from said latch bolt having one edge diagonally extending therefrom, means in engagement with the diagonal edge of said depending member for raising said latch



bolt from outside of the door, means comprising a swingable member adapted for engagement with said depending member for dogging said latch bolt, means for locking said swingable member in engagement with said depending member, and means for actuating said locking means.

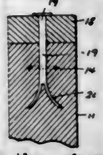
2,243,156
POWER PLANT
Frank D. Howe, Cuyahoga Falls, and John Riise, Doylestown, Ohio
Application August 31, 1939, Serial No. 292,884
15 Claims. (Cl. 60—97)



1. In a power plant, a jackshaft having two independent sections, a prime mover having clutch controlled driving means connecting the prime mover to one of said sections, a second prime mover having clutch controlled driving means connecting said second prime mover with the other section and an additional prime mover having clutch controlled driving connections, one with each of the two sections of the jackshaft.

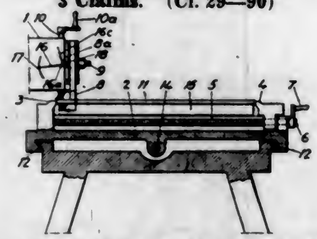
3. In a power plant, a jackshaft having two sections, a countershaft comprising a shaft and a sleeve mounted so as to revolve freely upon said shaft, and clutch controlled driving means connecting said shaft to one jackshaft section and the sleeve to the other jackshaft section.

2,243,157
COLLAPSIBLE CRATE HINGE
Bemis Huggins, Humboldt, Tenn., assignor of one-half to B. C. Jarrell & Company, Humboldt, Tenn., a corporation of Tennessee
Application January 30, 1940, Serial No. 316,420
1 Claim. (Cl. 217—43)



In a device of the character described, a collapsible crate hinge including a side member having a vertical bore therein, an end member having a vertical aperture therein in registration with said bore in said side member, a headed pintle having a bifurcated portion extending through said aperture and engaged in said bore with said bifurcated portion expanded and anchored in said side member below said bore, and a staple extending laterally through said side member and having its free ends bent towards one another to completely encircle said bore and reinforce said side member intermediate the ends of said bore.

2,243,158
APPARATUS FOR TREATING SCREEN PLATES
Johan Rikard Johansson, Stockholm, Sweden
Application October 26, 1937, Serial No. 171,174
In Sweden August 31, 1936
3 Claims. (Cl. 29—90)

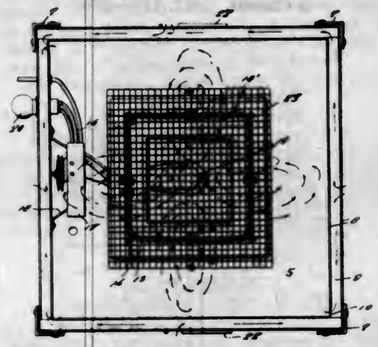


1. A method of increasing the resistance to wear and tear of a screening plate of a pulp strainer by the action on the surface thereof of a relatively movable non-cutting pressure-applying tool, which comprises producing rectilinear reciprocatory sliding relative movement between the tool and plate, and simultaneously regulably and non-yieldingly depressing the tool into the surface of the plate during said relative movement.

2,243,159
CHICK BROODER
Glenn M. Keppler, North Manchester, Ind.
Application January 2, 1940, Serial No. 312,127
2 Claims. (Cl. 119—33)

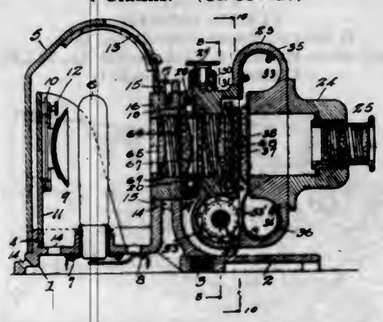
1. In a brooder of the character described, a rectangular shaped frame including a ceiling of solid construction and depending connected walls, adjustable legs for the support of said frame, adjustable ventilators in the frame, inner and outer pairs of curtains detachably secured on and depending from said depending walls and providing therebetween an air passage of rectangular shape, certain of said inner curtains having ports at one end thereof to admit air from the passage into the frame at diagonally

located corners thereof, a deflector plate secured on and spaced from the ceiling and having an opening, an electric heating means supported by said deflector plate in a plane therebelow so that heat thrown off thereby will rise and strike said deflector and extend laterally therefrom and also



pass through the opening of the deflector plate and strike the ceiling and follow the ceiling toward the depending walls, said heated air descending within the frame when arriving near the depending walls and passing toward the center of the frame and rising toward the heat thrown off by the said electric heating means.

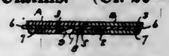
2,243,160
PROJECTION APPARATUS
Konrad Koehl, Dresden, Germany, assignor to Ihagee Kamerawerk Steenbergen & Company, Dresden, Germany
Application March 31, 1938, Serial No. 199,296
7 Claims. (Cl. 88—17)



1. The combination in a projector with a stationary guide-plate, a complementary resiliently supported presser plate, and mechanism for feeding a film-strip between said plates, of an exterior slide plate having slots therein arranged diagonally of the presser plate, hooks on the slide plate engaging said presser plate, said mechanism including a rotary head, and a flange at one end of the slide plate adjacent the rotary head, whereby the presser plate is retracted by pressure on said flange.

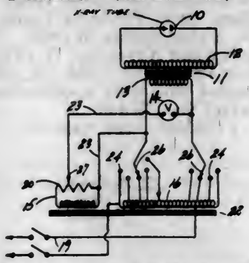
7. The combination in a projector having a sectional head including a lens mount, a rear condenser housing having a front face with a recess about its exposure-projection aperture and an intermediate casing, of a removable presser plate mounted in the recess adapted for alternative use with a picture slide, and resilient means urging said presser-plate in the direction of the front of the projector.

2,243,161
PLYWOOD PANEL JOINT
Anard A. Lahti, Tacoma, Wash., assignor to Lahti Incorporated, Tacoma, Wash., a corporation of Washington
Application August 1, 1938, Serial No. 222,415
2 Claims. (Cl. 20—92)



1. A joint for plywood panels each panel having an outer layer of its original side edge cut back to form a substantially straight edge of a depth approximately equal to the thickness of said outer layer, the outer layers of the panels meeting in a butt joint, additional layers of said panels extending beyond said straight edges to form tenons, each of said tenons being stub-ended and including throughout its length at least a substantial part of a layer of wood having its grain running perpendicularly to the associated face edge of the panel, and a plurality of mortises complementary to said tenons extending inwardly beneath each face edge.

2,243,162
TRANSFORMER COMPENSATED FOR PRECISE MEASUREMENTS
William M. Lee, Covington, Ky., assignor to The Kelley-Koett Manufacturing Company, Incorporated, Covington, Ky., a corporation of Ohio
Application April 12, 1938, Serial No. 201,592
4 Claims. (Cl. 171—95)

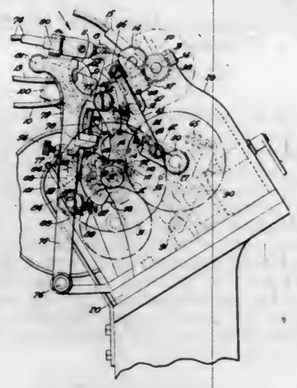


1. In a device of the character described, an auto-transformer having a plurality of taps, a high tension transformer, the primary of which is connected to the taps of said auto-transformer, a core for said auto-transformer, an auxiliary winding upon said core adapted to oppose the voltage generated by said auto-transformer at substantially 180°, a variable resistance connected across said auxiliary coil, the resistance and auxiliary winding being connected across the connections between the auto-transformer and the high tension transformer, and a voltmeter in series with the resistance and auxiliary winding.

2,243,163
EDGE SETTING AND INKING MACHINE
George W. Liberty and Gustaf Bratt, Lynn, Mass., assignors to National Development Company, Lynn, Mass., a corporation of Massachusetts
Application November 9, 1939, Serial No. 303,630
4 Claims. (Cl. 12—42)

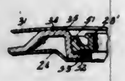
1. In a machine for finishing the edge of a portion of a shoe tread, such as the edge of a toplift attached to a heel, means for holding said tread, an edge setting iron, means for applying ink to said edge, means for moving said applying means from an operative position engaging said tread to an inoperative position while moving said iron from an inoperative posi-

tion to an operative position engaging said tread, and means operative when said iron and said applying means are in their operative positions for



causing relative movement between the same and said holding means whereby to ink and set the edge portion of said tread.

2,243,164
INSULATED METAL BARREL
Robert H. Maddock, Cleveland, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Original application November 27, 1933, Serial No. 699,821, now Patent No. 2,080,326, dated May 11, 1937. Divided and this application February 6, 1937, Serial No. 124,433
7 Claims. (Cl. 285—49)

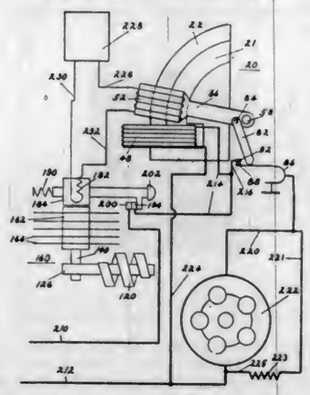


1. A double walled barrel comprising spaced inner and outer walls, having concentric tap openings, a tap bush plate having a depressed portion with an opening registering with the opening in the inner wall and bridging the space between the walls, said plate being welded to the inner wall around the opening therein, and said plate having its margins sloping from the outer wall to the inner one and welded to the latter at points remote from the weld around the opening to relieve the same of stress.

2,243,165
RECOVERY OF TIN
Martin Mandl, Baltimore, Md., assignor to The Standard Metal Refining Co., Baltimore, Md., a corporation of Maryland
No Drawing. Application March 8, 1940, Serial No. 323,034
11 Claims. (Cl. 204—121)

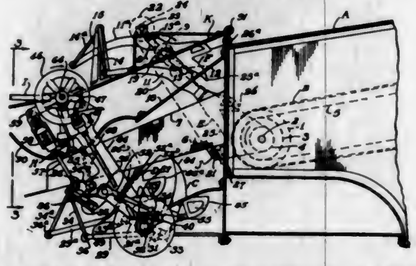
1. In the process of electrolytic detinning decorated or undecorated tin, tin scrap, or tin alloys with copper, antimony and lead without any initial washing treatment, the step of treating said tin product as anode in an aqueous electrolytic bath containing free caustic alkali and a small quantity of cobalt oxide under current conditions depositing a cathode mud containing tin and tin oxide.

2,243,166
CONTROL APPARATUS
Estel C. Raney, Columbus, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application May 19, 1937, Serial No. 143,558
5 Claims. (Cl. 175—320)



1. In combination with a transformer having two coils movable relative to one another when said coils are energized, a switching means, electrically operated thermal means for operating said switching means, said thermal means being connected in circuit with one of said coils; and thermal responsive means for controlling the relative movement of said coils for regulating the flow of current through said first mentioned thermal means.

2,243,167
STRAW BINDER
Wilbur A. Rasor, Brookville, Ohio
Application August 9, 1938, Serial No. 223,917
5 Claims. (Cl. 56—471)

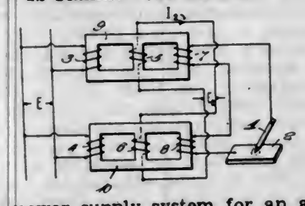


1. In a straw binder, in combination, a receiving deck upon which straw in disarranged condition is to be received, said deck being provided with openings therein equidistantly spaced transversely from opposite sides of said deck, alternately movable upper packer arms supported above said deck and equidistantly spaced transversely from opposite sides thereof, means for alternately moving said upper arms toward and substantially adjacent to, and away from, as well as longitudinally of, said deck, alternately movable lower packer arms supported below said deck, each of said lower arms being operable through one of the aforesaid openings in said deck, and means for alternately moving said lower arms vertically through their respective openings and longitudinally of said deck, whereby said packers will act upon disarranged straw received upon said deck to straighten and progressively move said straw along said deck into condition for binding.

2,243,168
MOTOR FUEL PRODUCT
Thomas H. Rogers and Vanderveer Voorhees, Hammond, Ind., assignors, by mesne assignments, to Gasoline Antioxidant Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 8, 1937, Serial No. 135,723
3 Claims. (Cl. 44—9)

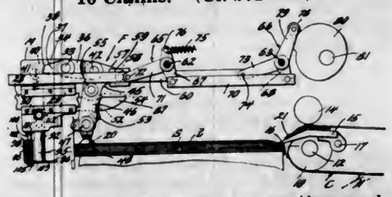
1. A motor fuel product comprising cracked hydrocarbon distillates of the character of gasoline which normally tend to deteriorate and develop gum, said product containing a small proportion of a naphthalene diamine in quantity sufficient to retard such gum formation.

2,243,169
ARC DISCHARGE SYSTEM
Carl A. Schwenden, Alhambra, Calif., assignor of forty-nine per cent to Harry M. Lindgren, Hollywood, Calif.
Application April 13, 1939, Serial No. 267,702
12 Claims. (Cl. 219—8)



2. In a power supply system for an arc discharge, parallel feeder circuits each including a transformer having primary and secondary windings, and tertiary windings in each transformer interconnected with the voltages thereacross in phase opposition and forming a link circuit for conducting stabilizing current between the transformers in said parallel feeder circuits.

2,243,170
SHEET FEEDER
Frederick W. Seybold and David P. Sanford, Elizabeth, N. J., assignors to American Type Founders, Incorporated, Elizabeth, N. J., a corporation of New Jersey
Application March 16, 1939, Serial No. 262,260
16 Claims. (Cl. 271—27)



1. In a sheet feeder for separating and forwarding sheets from a pile, in combination, the sole hold-down means for said sheets being at the forward edge of the pile, the rear portions of the pile being free from vertical pressure, means for separating the top sheet from the underlying sheets, withdrawing it from said hold-down means, and forwarding the sheet toward the device to which the sheets are being fed, vertically movable means for delivering a continuous blast of air against the upper rear edge portion of the pile, and means for moving said last named means in synchronism with the separating and forwarding means.

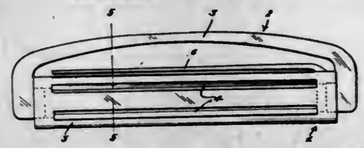
2,243,171
VULCANIZATION ACCELERATOR
Robert L. Sibley, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 23, 1937, Serial No. 181,368
10 Claims. (Cl. 260—793)

1. The process of vulcanizing rubber or a rubber containing material which comprises heating rubber, or a rubber containing material, and sulfur in the presence of a product obtained by reacting a mono N-alkyl cyclohexylamine containing one hydrogen atom on the amino nitrogen atom with an aldehyde in the ratio of substantially two molecular proportions of amine and one of aldehyde, and further reacting the product so obtained with carbon bisulfide.

2,243,172
VULCANIZATION ACCELERATOR
Robert L. Sibley, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Original application December 23, 1937, Serial No. 181,368. Divided and this application July 28, 1939, Serial No. 287,136
16 Claims. (Cl. 260—132)

1. The new chemical product comprising a reaction product of a cyclohexylamine containing at least one hydrogen atom on the amino nitrogen atom with an aldehyde combined in the ratio of two molecular proportions of amine and one molecular proportion of aldehyde, further reacted with carbon bisulfide.

2,243,173
HAIR CURLER
Theodore S. Smalley, Gladstone, N. J.
Application September 11, 1940, Serial No. 356,384
3 Claims. (Cl. 132—41)

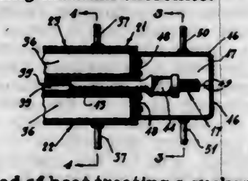


1. A hair curler comprising a tubular former for winding up hair thereon to curl the same, and a bar-like holder for clamping the wound hair to the former adapted to straddle the former lengthwise thereof and having ends fitting into the ends of the former, said holder being resilient for flexing to remove the ends thereof from said ends of the former and for fitting of said ends thereof into the ends of the former with a snap action, said former being flexible for bending to conform to the shape of the head, and said former and holder being of transparent material to render the same substantially invisible when on the hair.

2,243,174
METHOD AND APPARATUS FOR HEATING AND QUENCHING SUCKER RODS
Edward E. Stevenson, Los Angeles, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application May 10, 1938, Serial No. 207,027
3 Claims. (Cl. 148—21)

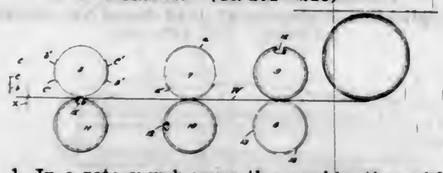
1. In an apparatus for quenching sucker rods

which have been heated to at least the transformation point, the combination of: a plurality of quenching dies cooperating to form a chamber to receive the sucker rod with the ends thereof exposed; means for bringing the walls of said die members forming said chamber into pressural contact with the sucker rod; walls, supported by at least one of said quenching dies, forming a receptacle at each end of the quenching dies defining spaces surrounding the exposed ends of the sucker rod; and means for introducing a quenching medium thereinto.



3. A method of heat treating a sucker rod which has a rod portion and a threaded end portion at each end of said rod portion, comprising: heating the sucker rod to at least the temperature of transformation; and quenching the sucker rod so as to obtain different degrees of hardness in said rod portion and said end portions thereof, by simultaneously subjecting the rod portion and the end portions to different conditions of quenching wherein metal quenching dies are brought into engagement with said rod portion and a quenching of fluid is brought into engagement with said end portions, so that heat will be extracted from said rod portion at a slower rate than the heat is extracted from said end portions.

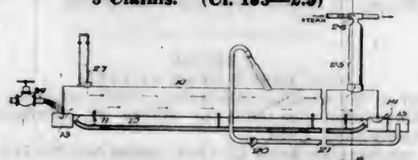
2,243,175
METHOD OF PRINTING BLEEDER SHEETS
Eugene K. Stewart, Washington, D. C.
Application December 1, 1939, Serial No. 307,171
5 Claims. (Cl. 101—216)



1. In a rotary web press the combination with separate printing units each including a blanket cylinder having a gap and an impression cylinder, of a printing plate secured to one of the impression cylinders and proportioned to print on a traveling web the middle section only of each of a series of duplicate pages, said plate being positioned to leave on the web between the printed portions and across the ends of the connected pages an unprinted space which bridges the gap in the blanket cylinder of the unit, and a printing plate secured to the other impression cylinder and positioned to print in each of the unprinted spaces on the web the top and bottom portions of the respective pages bordering the gap.

3. The method of printing bleeder sheets on a continuously moving paper web, which includes the step of moving the web past a continuously rotating pair of circumferentially spaced main plates to produce main printed impressions on one surface of the web with gaps therebetween, moving the printed portion of the web past a rotating pair of circumferentially spaced filler plates positioned to produce printed impressions in said gaps on the webs extending to and registering with the ends of the previously produced main impressions, and then severing the web transversely to bisect the impressions in the gaps thereby to produce bleeder sheets each having one end portion of its printed matter impressed by one end of one of the filler plates, the other end portion of its printed matter impressed by the other end portion of the other filler plate, and the intermediate portion of its printed matter impressed by one of the main plates.

2,243,176
DEGASSING MACHINE
Jan Vander Henst, Houston, Tex., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 14, 1940, Serial No. 361,159
3 Claims. (Cl. 183—2.5)

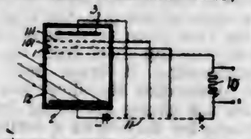


1. In a machine of the class described, an elongated substantially horizontal enclosed chamber adapted to contain a flowing body of liquid filling it to a level below the top, liquid inlet means adjacent one end thereof and outlet means adjacent the other end, a foraminous transverse baffle within the chamber inclined away from vertical in the direction of the outlet means, nozzle means opposed to the upwardly presented baffle face, for squirting a jet of liquid into the flow of liquid adjacent the baffle, in the direction of movement of the liquid, whereby to move the liquid toward the outlet means and to break up and agitate the liquid in the chamber and means for putting the interior of the chamber under subatmospheric pressure.

2,243,177
COLORED GOLD ALLOY
Ludwig Weiss, Frankfort-on-the-Main, Germany, assignor to Chemical Marketing Company Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 1, 1940, Serial No. 332,841. In Germany April 13, 1939
5 Claims. (Cl. 75—165)

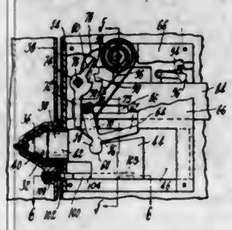
5. A workable gold alloy having a purple colored shade consisting of from about 68.5% to about 78.5% gold, from about 0.5% to about 10% thorium, and the remainder substantially all aluminum, the aluminum constituting not over 24.25% of the alloy.

2,243,178
ELECTRON MULTIPLIER
Georg Weiss, Berlin, Germany
Original application January 4, 1936, Serial No. 57,584. Divided and this application June 4, 1938, Serial No. 211,730. In Germany January 8, 1935
9 Claims. (Cl. 250—41.5)



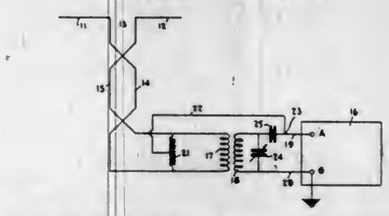
4. An electron multiplying system having a device including a cathode source of a primary electron stream of controllable intensity, a collecting anode maintained at a predetermined potential with respect thereto, and a plurality of secondary emission anodes each having a surface portion capable of releasing secondary electrons upon electron impacting in a ratio greater than unity adjacent said collecting anode and remote from said cathode and maintained at potentials decreasing with increasing distance from said cathode.

2,243,179
LATCH MECHANISM
Sidney B. Whittier, Barnstable, Mass.
Application November 26, 1938, Serial No. 242,452
5 Claims. (Cl. 292—153)



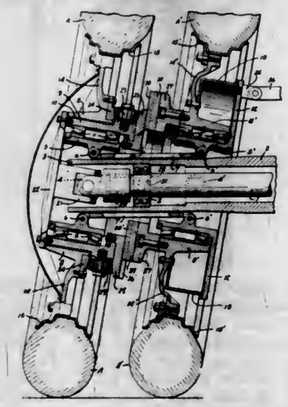
1. In a latching mechanism, a slidable bolt having a shank portion in the form of a flat plate with a circular notch in an edge thereof forming a socket, a tumbler slidable with said bolt, said tumbler having a flat circular portion fitted into said socket and rockable therein about its center, a fixed element having a shoulder engageable by a portion of said tumbler when said bolt is projected to lock said bolt in projected position, and a spring pressing against said tumbler and tending to rock said tumbler to its shoulder-engaging position and push said bolt to its projected position.

2,243,180
ALL-WAVE RADIO RECEIVING SYSTEM
Julius G. Aceves, New York, N. Y., assignor to Amy, Aceves & King, Incorporated, New York, N. Y., a corporation of New York
Application January 19, 1940, Serial No. 314,592
11 Claims. (Cl. 250—20)



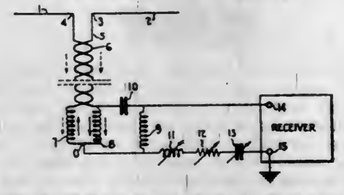
1. In a radio receiving system, in combination, an antenna having at least a pair of spaced arms, a connection between said arms comprising a pair of down-lead conductors directly joined to said arms respectively, a pair of coils between said conductors, a radio receiver having an input circuit, means coupling the receiver input to said coils whereby signaling voltages developed between the arms of said antenna in response to signals in one portion of the broadcast spectrum are impressed on said receiver, a connection from said coils to ground, said connection containing an impedance element, and means coupling the same receiver input circuit to said element for impressing on said receiver signaling voltages developed between said antenna with its down-leads and ground in response to signals in another portion of the broadcast spectrum.

2,243,181
TILTABLE AND INDEPENDENTLY ROTATABLE DUAL WHEELS FOR TRUCKS, ETC.
James Dobson Altemus, Roslyn, N. Y.
Application October 4, 1939, Serial No. 297,853
8 Claims. (Cl. 180—22)



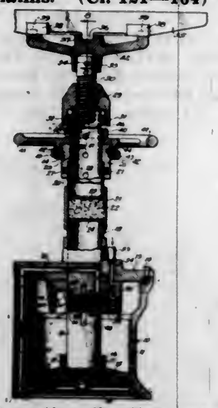
1. A dual wheel assemblage, comprising a tubular axle housing, two pairs of opposing trunnions carried thereby, two hollow journals tiltable in a vertical plane which are interconnected so as to tilt in parallelism with each other and each of which is supported on a different pair of trunnions, a wheel mounted on each journal, coupling means between said wheels, a universal joint for connecting one of said wheels to a drive axle and means for connecting one of said journals to wheel tilting mechanism.

2,243,182
ALL WAVE RADIO RECEIVING SYSTEM
Ernest V. Amy and Julius G. Aceves, New York, N. Y., assignors to Amy, Aceves & King, Incorporated, New York, N. Y., a corporation of New York
Application December 19, 1934, Serial No. 758,234
22 Claims. (Cl. 250—20)



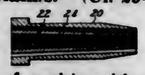
15. In a radio receiving system, in combination, a doublet antenna, a pair of conductors having their upper ends connected to said doublet, a step-up transformer comprising a primary having a pair of coils connected to said conductors and a secondary connected to the primary and to the antenna post of a radio receiver, and a connection from said coils to the ground-post of said radio receiver, said connection including a condenser.

2,243,183
COMBINED VEHICLE LIFTING AND ROCKING DEVICE
Edmund Aron, Chicago, Ill., assignor to Moto-Sway Corporation of America, Chicago, Ill., a corporation of Illinois
Application April 27, 1939, Serial No. 270,382
6 Claims. (Cl. 121—164)



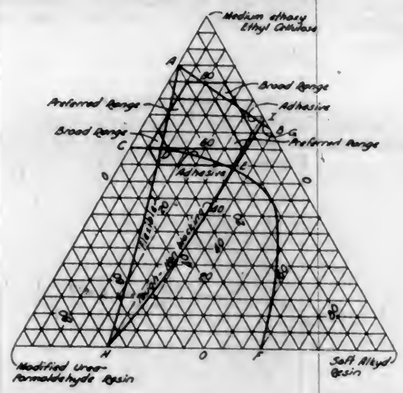
1. In an automatic vibrating mechanism, a vertically arranged cylinder, a piston reciprocable within said cylinder, a piston rod extending through the upper head of the cylinder, said cylinder having a valve chamber and a single passageway in the walls thereof in constant communication at one end with the cylinder space beneath the piston and at its other end with said valve chamber, a reciprocatory distributing valve in said valve chamber, said valve operating to alternately admit motive fluid through said passageway to the cylinder space beneath the piston and discharge the same thence through said passageway into the cylinder space above the piston, a spring urging said valve in one direction, means operative to shift the valve in the other direction against the urge of said spring, and means operative by virtue of piston reciprocation controlling the operation of said last named means.

2,243,184
METHOD OF MAKING BLOWPIPE NOZZLES
Peter R. Aronson, Millburn, and William E. Self, South Orange, N. J., assignors to Oxweld Acetylene Company, a corporation of West Virginia
Application August 19, 1937, Serial No. 159,826
18 Claims. (Cl. 29—157)



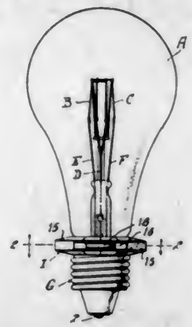
1. A method of making blowpipe nozzles and the like which comprises positioning a plurality of tubular members of ductile metal relative to each other so as to form an assembly having one or more oversize passages extending therethrough; inserting at least one mandrel in each of said passages; and gradually elongating and reducing the cross-section of said members and said passages by subjecting the assembly to a series of separate and successive swaging operations, with such mandrels in such passages, using successively smaller mandrels in said passages during certain of said separate swaging operations, thereby forming a unitary substantially homogeneous nozzle; and annealing the swaged assembly between certain of said swaging operations.

2,243,185
COATING FOR RUBBER
Kenneth D. Bacon and Toivo A. Kauppi, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application January 31, 1940, Serial No. 316,606
4 Claims. (Cl. 260—15)



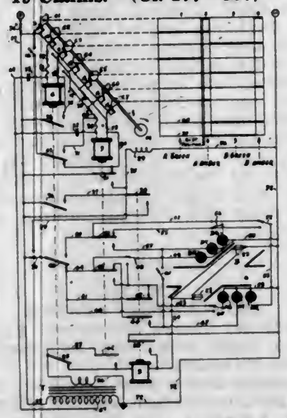
1. A coating composition, particularly adapted for the coating of rubber surfaces, consisting essentially of the following enumerated solids: from about 55 to about 80 per cent by weight of medium ethoxy ethyl cellulose, from 5 to about 35 per cent by weight of an alcohol-soluble, alcohol-modified, heat-convertible urea-formaldehyde condensation product and from 5 to about 30 per cent of a soft alkyd resin compatible therewith.

2,243,186
INCANDESCENT LAMP AND SWITCH
Alfred F. Bahlke, New Providence, N. J., assignor to Utility Electric Corp., Newark, N. J, a corporation of New Jersey
Application January 6, 1940, Serial No. 312,638
4 Claims. (Cl. 176—27)



1. An incandescent lamp comprising a base having a central terminal, a bulb and a filament therein having one terminal electrically connected to said central terminal, wherein said base includes a moulded body shell of electrical insulating material having a longitudinal exterior groove, a conducting strip in said groove, a screw-threaded conducting shell fitted on said body shell in electrical contact with said strip, and means for electrically connecting said strip to the other terminal of said filament.

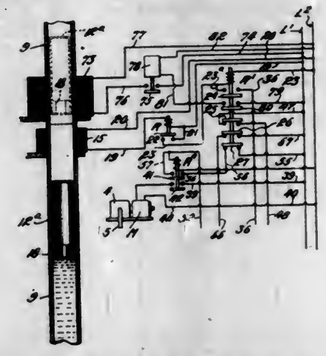
2,243,187
TRAFFIC CONTROL APPARATUS
John L. Barker, Norwalk, Conn., assignor to Automatic Signal Corporation, East Norwalk, Conn., a corporation of Delaware
Application May 31, 1939, Serial No. 276,499
19 Claims. (Cl. 177—337)



1. In a traffic control system for intersecting roads having a cyclic switching controller providing a plurality of switches and driving motor means therefor and having a plurality of switch positions through which it is operable by said motor means to provide a time cycle including in sequence a right of way signal period for the main road, a signal change period, a right of way signal period for the cross road, and a second signal change period, means to render said controller operable through said signal cycle in response only to traffic on the cross road, said means comprising means for detecting traffic in the cross road, a relay connected to said traffic detector means to be operated by actuation of the latter by traffic, relay means connected to certain of said switches to be operated thereby in said sequence of periods and having output relay contacts to interrupt said motor in the first said change period and to operate said motor in the other three periods, and contacts operated by the first mentioned relay when actuated to operate said motor, a lock-in circuit for said first relay to maintain this relay operated after detector actuation and including contacts operated by said relay means to interrupt the lock-in circuit in the cross road right of way period and to maintain the lock-in circuit throughout the other three periods after detector actuation.

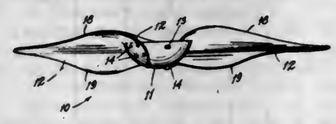
2,243,188
LIQUID LEVEL CONTROL
John L. Biach, Roselle, N. J., assignor to The Watson-Stillman Co., Roselle, N. J,, a corporation of New Jersey
Application July 5, 1940, Serial No 344,023
4 Claims. (Cl. 137—68)

4. A vertical tube of non-magnetic material to contain a column of liquid and contain compressed air on the surface of the liquid, a hollow float within the tube to rise and fall with the level of the liquid of said column and having magnetic material in its structure, said float being open at its lower end to trap air therein, for the purpose set forth, electrical circuit means, means operable by arrival of the float at a position along the tube to control current in said circuit means, and electrical means outside of the tube to create a magnetic field within the tube at a point along the latter to lift the float from the



liquid when the magnetic material of the float enters said field, for admission of air to the interior of the float.

2,243,189
FAN BLADE
Paul M. Brannan, St. Louis, Mo., assignor to The Emerson Electric Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application June 4, 1937, Serial No. 146,391
6 Claims. (Cl. 170—159)



1. A fan blade, said blade comprising a leading portion and a trailing portion, said trailing portion being of maximum pitch at a point substantially 35% to 45% of a radial blade length from the inner end, said trailing portion decreasing in pitch from said point of maximum pitch towards the outer end of the blade, said trailing portion being of substantially zero pitch at and towards the outer end, said leading portion being of negative pitch adjacent said leading edge from a point substantially mid-way between the termini of the leading edge to just short of the outward terminus of the leading edge.

2,243,190
UMBRELLA
Louis A. Capaldo, New York, N. Y.
Original application April 20, 1937, Serial No. 137,906. Divided and this application June 28, 1939, Serial No. 281,569
6 Claims. (Cl. 135—46)

1. In a collapsible stick having telescopic stick sections, said sections having slots which are aligned when the stick is in extended position and having a latch member located within the inner section of the stick, said latch member being in connection with spring means operative to urge said latch member into operative position, cam means formed by the edges in the wall of the slot of the outer section and the edges of said latch member being adapted to force said latch member inwardly when said stick sections are collapsed, and a transverse pin connected to the inner section of said stick, a blade spring having two shanks gripping said pin and a latch member

at the end of one shank of said blade spring, the other end thereof being backed by the inner wall

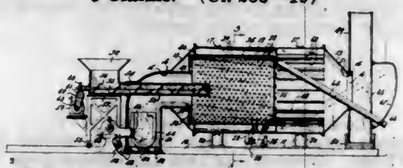


portion of the inner section which is opposite to the slot.

2,243,191
PRODUCTION OF OLEFINS AND DIOLEFINS
Adolf Cantzler and Hans Krekeler, Mannheim, Germany, assignors to Jasco Incorporated, a corporation of Louisiana
No Drawing. Application December 9, 1939, Serial No. 308,432. In Germany October 4, 1938
3 Claims. (Cl. 260—677)

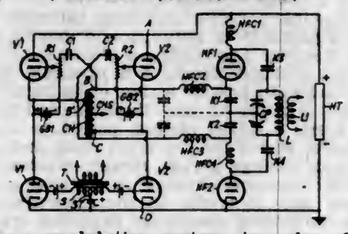
1. In the production of unsaturated compounds by splitting off hydrogen chloride from chlorinated hydrocarbons in the gas phase at elevated temperatures the step which comprises passing a chlorinated hydrocarbon, wherein chlorine is attached to saturated carbon atoms in the vapor state through heated vessels constructed of a steel containing from 30 to 40 per cent of chromium and from 1 to 5 per cent of molybdenum.

2,243,192
MANURE DEHYDRATOR
James G. Clark, Newark, N. J.
Application June 28, 1939, Serial No. 281,507
3 Claims. (Cl. 263—19)



1. Dehydrator apparatus comprising, a kiln body mounted to rotate about its longitudinal axis, means to drive said body, a perforate tumbling drum of less length than said kiln body fixed within the rearward interior portion thereof in concentric spaced relation to the side walls thereof; a fuel combustion means including a housing having an elbow extension to enter through the rearward end of said kiln body and through the rear end wall of said tumbling drum for communication with the interior of the latter, an upwardly open combustion chamber of refractory material mounted within said housing in spaced relation to the walls of the latter to provide a surrounding ingoing air passage, an oil burner adapted to discharge burning fuel into said combustion chamber, and said housing having air intake means below said combustion chamber for supplying air through said air passage for admixture with the hot products of combustion discharged from said combustion chamber to thereby form a large volume of hot gaseous mixture for delivery to said tumbling drum interior; a draft creating stack with which the forward discharge end of said kiln body communicates and through which said hot gaseous mixture is discharged; means to deliver material to be treated into said tumbling drum; circumferentially spaced longitudinally oblique radial flights fixed between the kiln body side walls and said tumbling drum whereby material emitted from the latter is shifted beyond the tumbling drum into the forward interior portion of said kiln body, and means for discharging the treated material from said forward interior portion of said kiln body.

2,243,193
MODULATION SYSTEM
Newsome Henry Clough, Brentwood, England, assignor to Radio Corporation of America, a corporation of Delaware
Application May 6, 1939, Serial No. 272,076
In Great Britain April 22, 1938
7 Claims. (Cl. 179—171.5)

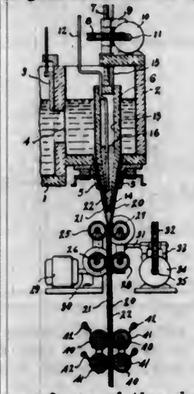


1. In a modulation system, two class C high frequency amplifiers, a source of direct current potential, a modulation potential choke coil, a circuit connecting said high frequency amplifiers and said choke coil in series with the choke coil between said high frequency amplifiers, means connecting said series circuit in shunt to said direct current source, two pairs of electron discharge modulator systems each having electrodes between which impedance exists, means connecting the impedances of a pair of said electron discharge systems in series, means connecting the junction point between said last named series-connected impedances to a point on said choke coil, means connecting the said impedances of the other pair of said electron discharge systems in series, means connecting a point between the said last named series impedances to another point on said choke coil and means for modulating substantially in phase opposition the impedances of pairs of said systems at modulation potential frequency to modulate said high frequency stages on positive and negative half cycles of the modulation frequency.

2,243,194
MAKING GLASS SHEET OR PLATE
Everett J. Cook, Toledo, Ohio
Application February 21, 1938, Serial No. 191,595
11 Claims. (Cl. 49—17)

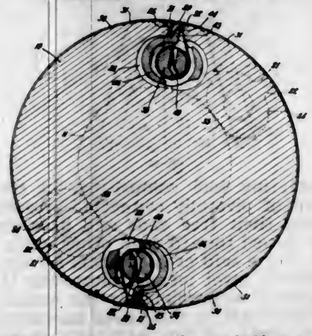
1. In the art of producing glass in sheet or plate form, the steps of causing glass in sheet or plate form to issue downwardly through a forming opening from a supply of molten glass with movement substantially in the plane of the sheet

or plate, passing the sheet or plate with substantially straight line movement past and in close proximity to a wetted substance so that the heat from the glass generates steam to set up a steam



film between surfaces of the sheet or plate and said substance prior to solidification of the glass, to prevent actual contact between the sheet and said substance and to give the surfaces of the glass a polished finish.

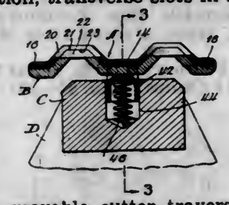
2,243,195
BLANKET CYLINDER
Curtis S. Crafts, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application June 10, 1938, Serial No. 212,860
7 Claims. (Cl. 101—415.1)



1. A blanket cylinder for printing presses including in combination a rotatable cylinder body having a narrow slot therein opening into an enlarged cavity in the cylinder body, said cavity containing means for holding two sheet ends, an angularly movable jaw for clamping a third sheet end and moving it relatively to the first two ends and a slotted reel rod for independently drawing a fourth sheet end, said jaw being concentric with reference to the slotted reel rod.

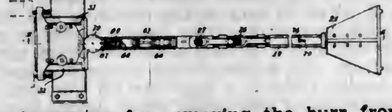
2,243,196
SHAVING DEVICE
Godfrey Dalkowitz, Brooklyn, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application June 22, 1937, Serial No. 149,568
2 Claims. (Cl. 30—43)

1. In a dry shaver head, a stationary cutter comprising a flat horizontal face engaging surface portion of substantially uniform thickness, an outwardly and downwardly inclined flange on each side of said portion, a movable cutter having a flat portion of substantially uniform thickness in contacting relation with said flat portion of said stationary cutter and also having an outwardly and downwardly inclined flange on each side thereof respectively in contacting relation with said flanges of said stationary portion, transverse slots in said flat por-



tion of the movable cutter traversing said flat portion and said flanges and extending to a depth just sufficient to form openings through said flat portion, and transverse slots extending through said flat portion and said flanges of the stationary cutter to a depth coextensive with the slots of the movable cutter when said cutters are in assembled relation, and horizontal reinforcing ribs extending outwardly from the flanges of said stationary cutter and the flanges of said movable cutter.

2,243,197
BURR REMOVER
Leopold De Flore, Youngstown, Ohio, assignor to The Youngstown Sheet & Tube Company, a corporation of Ohio
Application May 7, 1938, Serial No. 206,593
14 Claims. (Cl. 90—24)



1. Apparatus for removing the burr from a longitudinal weld in a length of pipe comprising a mandrel adapted to be enclosed by a pipe length moving axially, said mandrel having spaced side walls along at least a portion of its length, a burr-removing tool carried on said mandrel, means for supporting the tool adjacent said portion, a burr receiving pan movably mounted between said walls, and a cross wall extending between side walls and defining therewith and with said pan a box adapted to hold accumulations of burr as removed from a pipe length.

2,243,198
FUEL OIL
Melvin A. Dietrich, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 28, 1939, Serial No. 253,448
18 Claims. (Cl. 44—8)

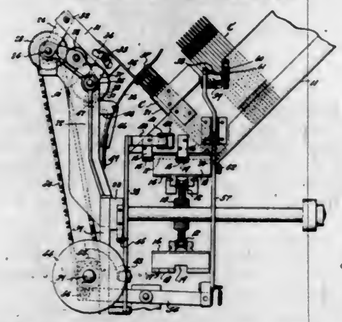
1. A non-viscous normally liquid hydrocarbon fuel oil having incorporated therein a small amount of a hydrogenated castor oil derivative having a softening point between about 70° F. and about 160° F., said hydrogenated castor oil derivative being the product of the reaction of hydrogenated castor oil with an organic compound selected from the class consisting of alcohols, aldehydes, isocyanates and isothiocyanates,

the amount of the hydrogenated castor oil derivative being in the range of from 0.1% to about 2% and sufficient to materially decrease the pour point of the oil and impart lubricating characteristics to the oil.

2,243,199
CARTON FEEDING MECHANISM FOR PACKAGING MACHINERY

Harry L. Evans, Newport, R. I., assignor to United States Automatic Box Machinery Co., Inc., Roslindale, Mass., a corporation of Massachusetts

Application February 9, 1939, Serial No. 255,542
14 Claims. (Cl. 93—53)



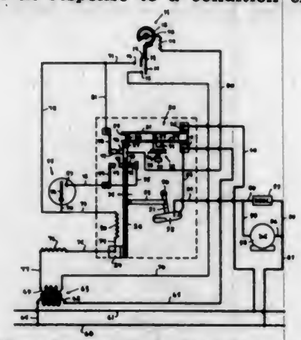
1. In a mechanism for the purpose described, the combination with a traveling conveyer having carton receiving and holding pockets of means to feed cartons for expansion by entrance into said pockets, said feeding means comprising a magazine to hold a supply of cartons in flat collapsed upstanding condition subject to gravitation toward the mouth thereof, said magazine being disposed with its mouth angularly opposed to the line of travel of said carton receiving and holding pockets, said magazine having means to normally retain the cartons against outward escape therefrom with the lowermost carton sustained at the mouth thereof, a non-rotative thin flat extractor blade of substantial width, means to move said blade bodily, in timed relation to the traveling movement of said pockets, through a circuital path in line with the longitudinal axis of the blade and perpendicular to its face plane and to that of a carton exposed at the magazine mouth, whereby, in its cyclic movement, said blade is first caused to enter endwise into said carton with a flat face thereof bearing upon the outer face wall of said carton, then, while maintaining such carton engaging relation, operating to swing said carton so as to disengage the same from the retaining means and move it out of the magazine and to thence carry it to a position to be engaged by a receiving and holding pocket, and thereafter to outwardly withdraw from said carton.

2,243,200
CONTROL SYSTEM

George H. Fisher, St. Louis Park, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application August 21, 1939, Serial No. 291,171
3 Claims. (Cl. 236—68)

1. In a fuel control device, in combination, an electrically operable fuel supply controlling device, a circuit therefor, an electric timing device, connections by which said timing device, when energized, first closes said circuit and thereafter opens it again, means responsive to combustion conditions cooperating with said timing device to prevent the reopening of said circuit if combustion is established first, a main switch to energize said timing device, an element moving in one direction in response to a condition change to

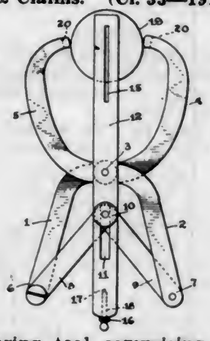


close said main switch, and timing means rendered operative to deenergize said timer a predetermined time after a reversal in movement of said element.

2,243,201
CENTERING TOOL

Henry A. G. Fornelius, Clifton, N. J.

Application January 18, 1940, Serial No. 314,373
2 Claims. (Cl. 33—191)



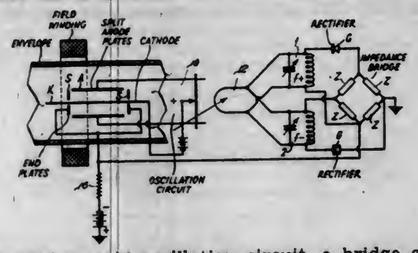
1. A centering tool comprising, in combination, a pair of pivotally connected crossed arms each having their free ends and base ends respectively turned toward each other, seats at the free ends of the said crossed arms for an object to be centered, pivot means connecting the said crossed arms at approximately the medial point between their ends, a third arm mounted intermediate its ends on the said pivot means and having its ends positioned equi-distant from the free ends and the base ends respectively of the said crossed arms and having a guide slot for a scriber on its free end, and spacing links between the base ends of the said cross arms and of the said third arm whereby the said third arm is held in equal spaced relation to the said free ends of said crossed arms when the crossed arms are rotated on their said pivot.

2,243,202
CIRCUIT FOR AUTOMATIC FREQUENCY CONTROL

Karl Fritz, Berlin, Neubabelsberg, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application September 14, 1938, Serial No. 229,903
In Germany August 10, 1937
3 Claims. (Cl. 250—36)

1. In a frequency control system for controlling the frequency of oscillation of a generator comprising a tube having an anode, a cathode and end plates located in a magnetic field with an oscillation circuit coupled to said anode and cathode, circuits tuned to frequencies above and below the frequency of the oscillations generated

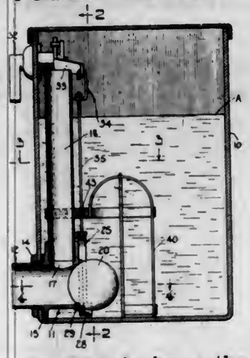


coupled to said oscillation circuit, a bridge circuit, rectifiers coupling said off tune circuits to said bridge circuit and means for applying potential from said bridge circuit to said end-plates of said tube to control its operating frequency in accordance with the nature of the applied potential.

2,243,203
FLUSH TANK VALVE

William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application May 2, 1939, Serial No. 271,315
6 Claims. (Cl. 4—57)



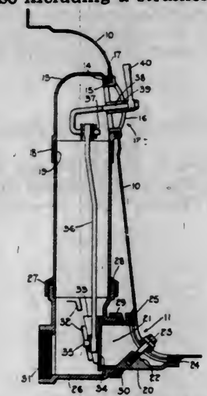
1. A valve for flush tanks or the like, comprising, in combination, a valve body having a valve seat formed in a wall thereof, spherical valve closure means operatively associated with said valve seat, valve operator means associated with said valve body wholly externally thereof for slidable movement along an external face thereof and having means for engaging said spherical valve closure means, and means for displacing said valve operator means in a plane at right angles to the axis of said valve seat to move said spherical valve closure means out of valve closing position.

2,243,204
WASTE AND OVERFLOW OUTLET AND FITTING THEREFOR

William C. Groeniger, Columbus, Ohio, assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York

Application November 28, 1939, Serial No. 306,455
1 Claim. (Cl. 4—199)

An improved waste and overflow outlet for receptacles for liquid and the like and in which there is provided a recess surrounding the overflow outlet, comprising in combination, a hollow waste and overflow outlet fitting, means for attaching one end of said outlet fitting to the overflow outlet of the receptacle, a bearing centrally located in the attaching means, a combined bottom outlet and attaching means for securing said outlet fitting to the bottom outlet of the receptacle, said latter attaching fitting including a shear gate valve seat located interiorly of the outlet fitting and also including a strainer contoured to

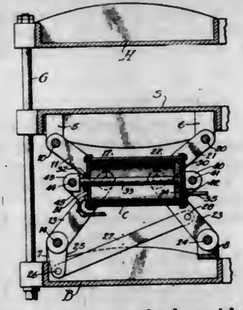


fit within the recess in the receptacle and with the outer surface of such strainer lying flush with the interior surface of the receptacle, means passing through the strainer for clamping the outlet fitting onto the receptacle, a shear gate valve associated with the valve seat, a shaft provided with a crank arm rotatably mounted in the aforesaid bearing, connecting means extending between the crank arm and the said shear gate valve, and a lever attached to the outer end of the shaft, and within the confines of the receptacle, for operating said valve.

2,243,205
PNEUMATIC PRESS

Edward H. Hall, Chicago, Ill.

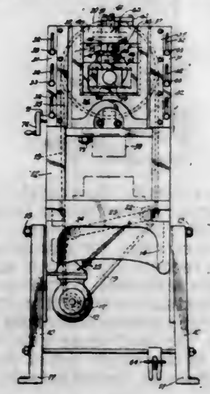
Application October 1, 1938, Serial No. 232,706
2 Claims. (Cl. 100—70)



1. In a press having a bed, guides extending vertically from the bed, a slide above the bed vertically movable along the guides, and a head above the slide in fixed relation to the bed, the combination of a pair of transversely spaced toggle mechanisms for moving said slide each comprising two laterally spaced hingedly connected pairs of links joined respectively to the bed and slide, one of each of said pair of said hingedly

connected links having an out turned extension, a transversely expansible pneumatic motor extending between the opposed sides of said laterally spaced pairs of links and pivotally connected at its opposite ends to the outturned extensions thereof, and said pivotal connections always lying in a plane intersecting the axis of the pneumatic motor, whereby during any operation of the slide the hinge connections of said pairs of links will be in alignment with the pivotal connections of the motor at the lowermost position of the slide only and be entirely within the space between its pivotal connections with the opposite ends of said pneumatic motor and on opposite sides of said motor for carrying the motor therebetween.

2,243,206
CLUTCH CONTROLLED DIE PRESS OR THE LIKE
Edward H. Hall, Chicago, Ill.
Application May 9, 1940, Serial No. 334,115
19 Claims. (Cl. 74—50)



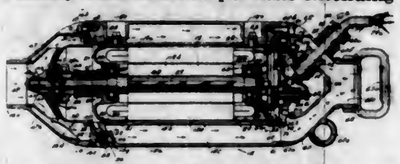
1. In clutch mechanism of the class described, the combination of a clutch plate and a clutch head having relative movement longitudinally of the clutch head and configured to freely interengage with one another to permit such relative movement, the parts being so configured as to permit relative rotary movement between the clutch head and the clutch plate at a predetermined point in said first mentioned movement and adapted when so turned to prevent relative longitudinal movement and cause the parts to move in unison.

2,243,207
INSECTICIDAL COMPOSITION
Edward Harvill, Yonkers, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc., a corporation of New York
No Drawing. Application April 18,1940, Serial No. 330,317
6 Claims. (Cl. 167—24)

1. An insecticidal composition containing pyrethrum and ortho-cyclohexyl phenol.

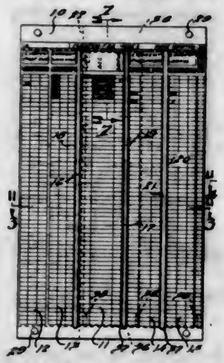
2,243,208
SUBMERSIBLE PUMP SEALING MEANS
John B. Hawley, Jr., Minneapolis, Minn.
Application July 23, 1938, Serial No. 220,933
4 Claims. (Cl. 286—11)

1. A sealing structure having in combination, a shaft, spaced members through which said shaft passes having flat adjacent faces, spaced disks of hard material surrounding said shaft and having their remote faces engaging said first mentioned faces respectively, a member having a central bore in which said shaft fits, said member being secured to said shaft between said disks and having driving engagement with said disks, resilient members secured to said shaft adjacent each disk and having portions extending radially with terminal portions extending to-



ward and engaging said disks at points spaced from said shaft, annular members engaging said resilient members opposite said terminal portions, cup-shaped members in which said annular members are connected and a plurality of circumferentially spaced compression coiled springs held on and engaging the adjacent sides of said cup-shaped members to press said disks outwardly against said first mentioned faces respectively.

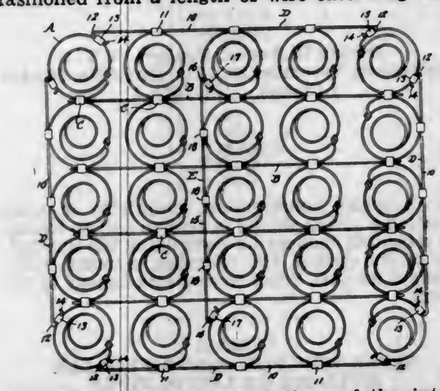
2,243,209
STATISTICAL CHART
Wallace I. Hutchison, Detroit, Mich.
Application June 21, 1939, Serial No. 280,249
5 Claims. (Cl. 35—24)



1. A statistical chart comprising a main sheet having statistical data thereon including a centrally located column, said main sheet being provided with a longitudinal slit on each side of said column, a pair of slide cards having appropriately designated space for statistical data thereon, said slide cards being of such size and shape as to be transversely slidable in opposite directions through said slits into and out of a position substantially in back of said sheet, and a dividing sheet situated in back of said main sheet serving to separate said slide cards from each other.

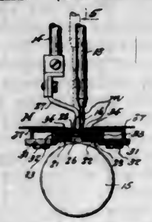
2,243,210
CUSHION SPRING STRUCTURE
Jacob Kerstein, Brooklyn, N. Y., assignor to Spring Products Corporation, New York, N. Y., a corporation of New York
Application June 5, 1940, Serial No. 338,863
3 Claims. (Cl. 5—260)

1. In a cushion spring structure of the type which includes a plurality of rows of coiled expansion spring units arranged in side by side relation with the opposite end convolutions thereof respectively disposed in planes parallel to each other, independent edging sections for each of the upper and lower marginal edges of the spring structure, each of said edging sections being fashioned from a length of wire extending tan-



gentially of the end convolutions of the intermediate spring units and secured thereto, and a rebent terminal at the opposite end of each section disposed at an acute angle to the intermediate or body portion thereof, said terminals being secured tangentially to the portions of the end convolutions of adjacent corner spring units and located adjacent the intermediate spring units.

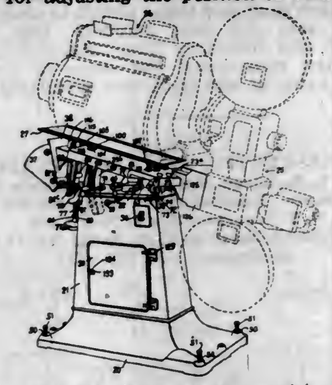
2,243,211
TACKING STITCH SEWING MACHINE
Anton Kierner, Elizabeth, N. J., assignor to Emil Prazak, Elizabeth, N. J.
Application May 15, 1940, Serial No. 335,294
7 Claims. (Cl. 112—145)



1. In combination with a sewing machine having stitch forming mechanism including an oscillatorily reciprocable needle and a cooperating presser foot, a bed-plate having a throat channel to receive said presser foot, pleat fold forming means movable laterally into and out of said throat channel above the position of said presser foot when the latter is lowered into said throat channel, and operator controllable means effective to move said presser foot and pleat fold forming means into and out of said throat channel.

2,243,212
SUPPORT FOR MOTION PICTURE PROJECTION MACHINES OR THE LIKE
Albert Kindelmann, Floral Park, and Claude A. Soehl, Hensonville, N. Y., assignors to International Projector Corporation, New York, N. Y., a corporation of Delaware
Application April 29, 1937, Serial No. 139,672
13 Claims. (Cl. 248—11)

8. A support comprising in combination, a pedestal, a pedestal arm support mounted for lateral adjustment on said pedestal, a pedestal arm supported for vertical tilting movement about a horizontal axis on said pedestal arm support, and means for adjusting the position of said pedes-

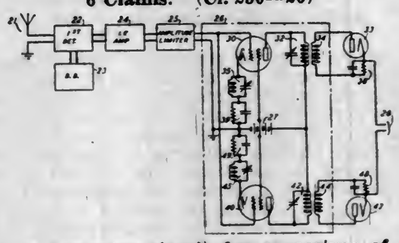


tal arm, said adjusting means comprising a screw of limited length, and anchorage means for connecting said screw at a plurality of positions whereby the adjustment of the pedestal arm may be accomplished in several distinct and separate stages.

2,243,213
PROCESS OF PRODUCING FAST DYEINGS ON CELLULOSE ESTERS AND ETHERS AND THE DYED FIBER OBTAINED THEREBY
Georg Kränzlein and Carl Josef Müller, Frankfort-on-the-Main, and Werner Kirst, Konigstein in Taunus, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 9, 1939, Serial No. 303,538. In Germany December 1, 1938
10 Claims. (Cl. 8—48)

1. The process which comprises applying to fibrous material of the group consisting of cellulose esters and ethers a mono-azo-dyestuff which does not contain a sulfonic acid group, but contains in the molecule an amino-group capable of being diazotized and a free position capable of coupling with diazo-compounds, then diazotizing the compound on the fiber and causing the diazo-compound obtained to combine with itself by an alkaline treatment.

2,243,214
FREQUENCY MODULATION RECEIVER
Edwin A. Krauth, Bronx, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 13, 1940, Serial No. 329,473
6 Claims. (Cl. 250—20)



1. A converter circuit for a receiver of fre-

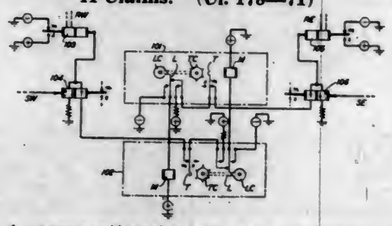
quency modulated waves comprising an amplifier having input and output circuits, a tuned circuit in one of said circuits, and a feedback path for said amplifier having such an impedance characteristic as to cooperate with the impedance characteristic of said tuned circuit to produce an overall gain for said amplifier that varies linearly with frequency from substantially zero to a high gain across the range of the frequency swing of said frequency modulated wave.

2,243,215

REGENERATIVE IMPULSE REPEATER

Wayne V. K. Large, Hollis, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 16, 1936, Serial No. 74,640
41 Claims. (Cl. 178—71)



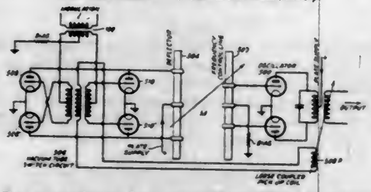
1. A regenerative signal repeating system comprising start-stop regenerative repeating means responsive to spacing and marking conditions imposed by a line circuit to impress corresponding conditions upon another line circuit and having off-normal operating means, first signal receiving means for receiving said conditions from said first line circuit and impressing them upon said repeating means for transmission in one direction over said circuits, second signal receiving means for transmission in the opposite direction over said circuits, and auxiliary responsive means operative in response to said operating means upon starting of said repeating means whereby operation is prevented of said second receiving means until the return to normal of said repeating means.

2,243,216

FREQUENCY MODULATION

Nils E. Lindenblad, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application December 21, 1940, Serial No. 371,116
35 Claims. (Cl. 179—171.5)



1. In a system for generating high frequency oscillatory energy and modulating the frequency thereof, an oscillator comprising, an electron discharge device having input and output electrodes coupled in oscillation generating and frequency controlling circuits including a frequency controlling line, an additional line coupled to said first named line to control the reactance of said first named line, means for feeding wave energy from one of said oscillation circuits to said additional line, and means for varying the phase of the energy so fed to said additional line at signal frequency to thereby vary the phase of the coupling between said lines to vary the reactance of said first line and the frequency of the oscillations generated.

2,243,217

SPRING

Osmun W. Lorini, Yonkers, N. Y.

Application November 28, 1939, Serial No. 306,456
3 Claims. (Cl. 267—1)



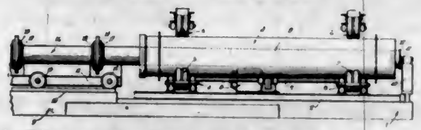
1. A spring construction comprising in combination a spring wound in torsion and an inelastic retarding element for controlling the unwinding of the spring, the retarding element intermediate its ends being free of attachment to the spring.

2,243,218

APPARATUS FOR CENTRIFUGALLY MOLDING OR LINING PIPES

Daniel A. Lyons, Los Angeles, and Lloyd R. Earl, Alhambra, Calif., assignors to Consolidated Steel Corp., Ltd., Los Angeles, Calif., a corporation of California

Application June 17, 1938, Serial No. 214,226
6 Claims. (Cl. 25—30)



1. The combination with a machine for manufacturing or lining pipes by centrifugal action, in which molds or pipes are rotated about their horizontally disposed longitudinal axes, of an elongated trough structure for conveying a supply of substantially liquid pipe material or lining material, means for supporting said trough from one of its ends to permit the projection of said trough into said pipe or mold by movement of the same in the direction of its longitudinal axis, said trough including an elongated material-holding pan having a shallow U-shaped cross section substantially uniform throughout its length, a beam member extending longitudinally and below said pan and having a deeper U-shaped cross section to nest with said pan, and means rigidly securing the adjacent edges of the nested U-shapes throughout the length of said pan, whereby said pan and beam members mutually coact to hold the pan at a uniform level throughout its length.

2,243,219

POROUS REFRACTORY AND PROCESS OF MANUFACTURE

John D. Morgan, South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

No Drawing. Application June 25, 1938, Serial No. 215,946
3 Claims. (Cl. 106—9)

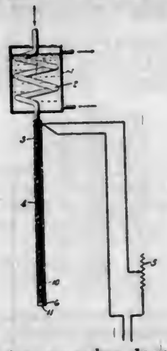
3. A refractory composition comprising finely ground zircon bonded by the reaction products resulting from the reaction thereon of about 6% by weight of the zircon of phosphoric acid and about 2% by weight of chromic acid.

2,243,220

APPARATUS FOR THE APPLICATION OF COATING COMPOSITIONS

Earle C. Pitman, Lincroft, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application June 29, 1938, Serial No. 216,452
2 Claims. (Cl. 219—39)



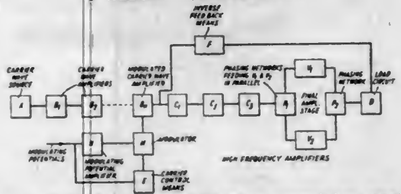
1. Apparatus for spraying lacquers at a high temperature which comprises means for heating a large mass of nitrocellulose lacquer in a closed container, an atomizing spray gun, and a hose between and connecting the container containing the nitrocellulose and the spray gun, said hose having an inner layer of a plastic polymer of 2-chloro-butadiene 1,3, an intermediate layer of cotton threads embedded in rubber, and an electrical resistance wire wound next to the rubber layer, and means for supplying electrical energy to the said wire in amount just sufficient to maintain the temperature of a liquid passing through the hose and spray gun at between 160° F. and 200° F., and a heavy outside layer of rubber over the resistance wire.

2,243,221

MODULATED CARRIER WAVE TRANSMITTER

William Alfred Edward Quilter, Stanmore, England, assignor to Radio Corporation of America, a corporation of Delaware

Application August 5, 1938, Serial No. 223,189
In Great Britain August 7, 1937
1 Claim. (Cl. 250—17)



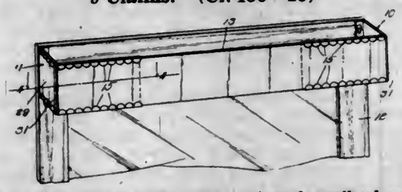
A modulated carrier wave transmitter system comprising in combination, a source of carrier wave oscillations, a source of modulating voltages, means for modulating said oscillations in accordance with said modulating voltages and for controlling the carrier level in accordance with the mean modulation voltage, a common load, a plurality of amplifier systems supplying voltages to said common load, means for impressing modulated oscillations from said first named means in parallel on the inputs of said amplifier systems, said amplifier systems being biased and excited in such a manner that one system supplies carrier power to said common load at a high efficiency and is modulated substantially to zero while the other amplifier system is supplying little or no power, said other of said amplifying systems adding power to the common load under the influence of modulation, whereby said other amplifier system automatically comes into operation to add the necessary side band power to the common load as the modulation is increased.

2,243,222

CORNICE

Elmer F. Rebholz, Chicago, Ill., assignor of one-third to James F. Barnes and one-third to Jean O. Reinecke

Application September 30, 1940, Serial No. 358,985
9 Claims. (Cl. 156—13)



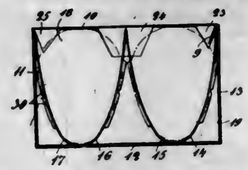
1. A cornice of the character described comprising a cornice board, and a pair of brackets for slidably supporting said board, said brackets being bendable transversely at spaced longitudinal portions thereof to provide a cornice of variable depth.

2,243,223

COLLAPSIBLE EGG CARTON

Rudolf Sandell, Stockholm, Sweden

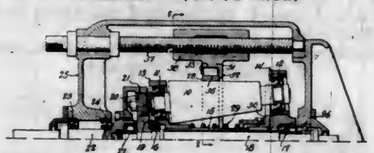
Application December 15, 1938, Serial No. 245,979
In Sweden May 12, 1938
4 Claims. (Cl. 229—29)



1. A collapsible carton for eggs, comprising in combination; a sheet of foldable material having substantially parallel fold lines defining top, rear, bottom and front panels for said carton; and a collapsible compartment assembly of like material secured to said rear panel and including opposed end wall members for said carton and a front wall member for said assembly, said assembly including a plurality of transverse substantially parallel partition members each pivotally connected to the front wall of said compartment assembly and to the rear panel of said carton to form a series of elongated cells in said assembly in its erected position, said sheet having an extension integral with said front panel and longitudinal of said sheet in its collapsed position, fold lines in said extension substantially parallel with said first mentioned fold lines, said last mentioned fold lines being spaced to define a plurality of foldable and bowable sections, each of said sections containing a series of longitudinal closed slots transversely spaced to register with said partition members in their erected position, said sections being adapted to be folded and bowed into said assembly so that said slots will engage said partitions in a manner whereby the entire effective volume of said carton will be divided into a plurality of egg-supporting connected cradles having sides of approximately

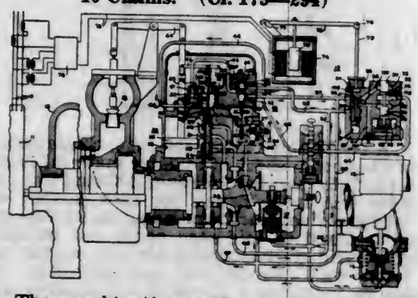
equal length and having their upper portions lying in substantially the same plane, all of said cradles extending to an approximately equal depth into said cells.

2,243,224
VARIABLE SPEED TRANSMISSION
Walter P. Schmitter and Alfred G. Bade, Milwaukee, Wis., assignors to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application September 11, 1936, Serial No. 100,270
9 Claims. (Cl. 74—281)



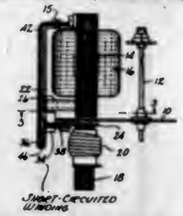
1. A variable speed transmission comprising a non-contractable traction ring, a plurality of tapered inclined planet rollers engaged with and within said ring, rotary carrier means for said rollers, a carrier ring with which said traction ring is connected for movement along one of its diameters, and a control rod about which said carrier ring is swingable in a direction transverse to said diameter, said rings being shiftable along said rollers in response to actuation of said rod to thereby regulate the planetary action of said rollers.

2,243,225
ANTICIPATOR APPARATUS
Anthony F. Schwendner, Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 8, 1939, Serial No. 293,883
10 Claims. (Cl. 175—294)



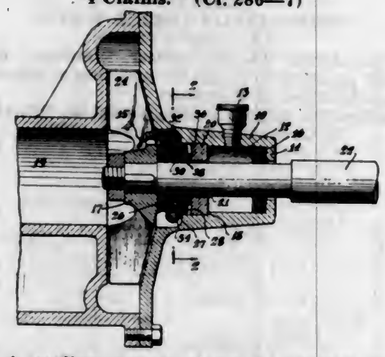
1. The combination with an electric generator driven by a prime mover and the prime mover having an admission valve, of pressure-responsive means for operating the admission valve; a governor providing a regulating pressure varying as a function of speed of the prime mover; means responsive to sudden generator load drop to provide an anticipating impulse; means responsive to the anticipating impulse to provide an anticipating fluid pressure; means effective, when fluid under regulating pressure is developed and there is absence of fluid under anticipating pressure, to supply fluid under regulating pressure to the pressure-responsive means to control the admission valve in accordance with the load and effective, when fluid under anticipating pressure is developed, to supply the latter to the pressure-responsive means to effect movement of the admission valve in a closing direction; and means responsive to initiation of supply of fluid under anticipating pressure for terminating the latter a predetermined time interval after it becomes effective.

2,243,226
ELECTRICITY METER
Emil Spahn, Zug, Switzerland, assignor to Landis & Gyr, A-G., Zug, Switzerland, a corporation of Switzerland
Application July 11, 1938, Serial No. 218,568
In Switzerland July 20, 1937
5 Claims. (Cl. 171—264)



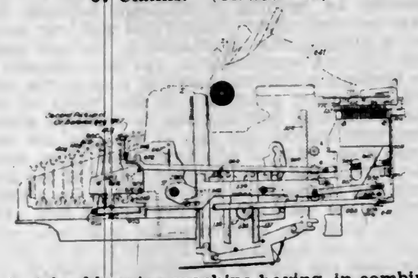
1. A temperature compensated Ferraris meter including voltage and current magnets, a meter disc, a counter-pole, a short-circuited ring encircling the counter-pole through which the voltage driving flux passes, a bimetal strip for altering the stray flux of the ring in accordance with changes in temperature, said counterpole being bent adjacent the disc and the short-circuited ring being located near the bend and the air gap between the bimetal strip and counterpole, and said ring having a high inductance relative to its ohmic resistance.

2,243,227
SHAFT SEALING MEANS
Albert C. Stratton, Ridgewood, N. J., assignor to Alfred S. Marlow, Ridgewood, N. J.
Application August 6, 1938, Serial No. 223,391
In Great Britain July 19, 1938
4 Claims. (Cl. 286—7)



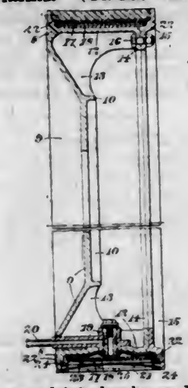
1. A sealing means about a rotating pump shaft, as herein described, comprising in combination a closed casing having a sub-atmospheric interior pressure, a chamber closing wall about said shaft, a fixed annular sealing ring positioned in said chamber closing wall, and having a clearance space about said shaft, a mating metallic sealing ring having a raised sealing surface of smaller diameter than the diameter of said ring, held in sealing contact with said fixed ring and caused to rotate with said shaft by a flexible resilient collar tightly fitting said shaft, and having a V shaped groove formed adjacent one end of said resilient collar, said V groove fitted with a garter spring to urge an annular portion of said resilient collar laterally for holding said sealing surfaces closely together, a second chamber containing a sealing and lubricating fluid located about said shaft on the atmospheric side of said sealing surfaces whereby atmospheric pressure forces said sealing and lubricating fluid through said clearance to the inner periphery of said sealing surface, said sealing and lubricating fluid thereupon being distributed by centrifugal force across the face of said sealing surfaces to effect a substantially perfect seal against the admission of atmospheric pressure into said casing.

2,243,228
BOOKKEEPING MACHINE
Oscar J. Sundstrand, Rockford, Ill., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application May 31, 1933, Serial No. 673,698
37 Claims. (Cl. 235—60)



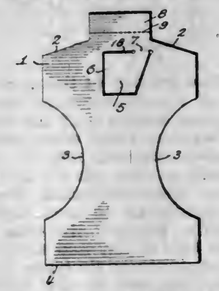
1. A bookkeeping machine having, in combination, a cross tabulating carriage, three totalizers, one of which is adapted for addition and subtraction, and means operating under control of said carriage and sensitive to the character of the total in the last-mentioned totalizer for automatically selecting one of the other totalizers for operation.

2,243,229
VEHICLE BRAKE
Frederick John Tarris, Silvertown, London, England, assignor to The India Rubber, Gutta Percha and Telegraph Works Company Limited, London, England, a British company
Application July 1, 1937, Serial No. 151,489
In Great Britain July 3, 1936
7 Claims. (Cl. 188—152)



1. For use in a vehicle brake or like frictionally engageable structure comprising a friction surface, the combination of an annular supporting trough, an expansible tube located therein, a plurality of relatively thin friction blocks located in the trough end to end circumferentially thereof between said expansible tube and the friction surface, the said blocks having lateral recesses at their ends, retracting leaf springs each extending transversely of the trough and situated between adjacent friction blocks, and projections which extend inwardly from and at spaced intervals along the side wall of the trough and engage within said lateral recesses in the blocks.

2,243,230
PINLESS MAN'S SHIRT FOLD
John Vandermade, Hawthorne, N. J., assignor to The Manhattan Shirt Company, New York, N. Y., a corporation of New York
Application January 13, 1940, Serial No. 313,704
2 Claims. (Cl. 223—71)

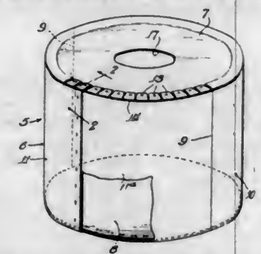


1. In combination, a man's shirt or the like and a support therefor, said support comprising a sheet of flexible material having shoulder portions and a bottom portion provided with a straight bottom edge, cut-outs extending inwardly from opposite sides of said support forming a narrow neck portion connecting the shoulder portions and the bottom portion, an interlocking tab between the outer edges of the shoulder portions, said tab normally lying in the plane of the support and being bounded by a series of incisions formed through the support, separating said tab from said support excepting at a narrow portion in the area of the shoulder portions, the sleeves of the shirt or the like being folded with the open end of the sleeves extending upwardly and freely lying between the body of the shirt or the like and the support, other portions of the sleeves, shoulders and sides of the bosom and the lower portion of the shirt or the like being freely folded over the support to form a substantially rectangular configuration both at the front and at the back of the shirt or the like, a portion of the front of the shirt or the like passing into the uppermost incision of said interlocking tab, whereby the shirt and the support are secured together by the interlocking tab and said straight bottom edge of the support.

2,243,231
CONTAINER
Raymond H. Van Saun, Chicago, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application February 23, 1940, Serial No. 320,313
3 Claims. (Cl. 229—23)

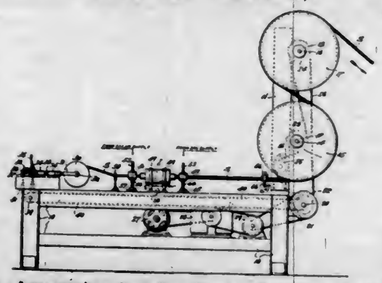
1. A drum construction comprising a tubular body member of flexible sheet material formed with inner and outer overlapping end portions, a

disc-like closure member, tabs extending from the body member adapted to be folded over and secured to the outer surface of the closure member, the tab on the end of the outer portion of the body member being adapted to overlap the tab on the inner portion, the body member being formed adjacent the bases of the tabs with a score line having a concave portion directed inwardly of the body member and a convex portion directed outwardly thereof, the convex score line portion of the inner body portion being fitted so as to extend at least partially into the



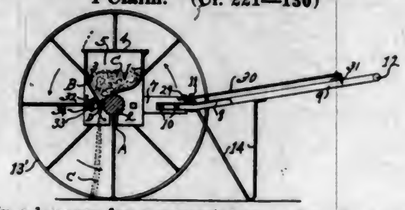
concave score line portion of the outer body portion, the edge of the closure disc being adapted to fit into the concave part of the score line in the body member, the outer edge portion of the inner overlapping tab adjacent its base being disposed centrally of the tab on the outer portion, said outer edge extending thence downwardly at an inclination to cross the score line at an acute angle, whereby the edge portion at the base of the tab is disposed across the edge of the disc at an acute angle when the disc has been fitted into the end of the body member.

2,243,232
APPARATUS FOR SHAPING TUBULAR SLEEVING
Peter Van Norde and Lowell Bellingham, Maplewood, N. J., assignors to Irvington Varnish & Insulator Co., Irvington, N. J., a corporation of New Jersey
Application June 25, 1940, Serial No. 342,216
13 Claims. (Cl. 38—2)



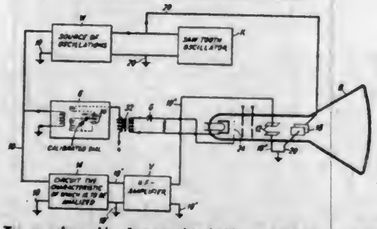
2. Apparatus for shaping and setting sized textile sleeving into symmetrical tubular form comprising, an ironing means body having a bore through which the sleeving is continuously advanced, said bore terminating at its receiving end in an annular ironing shoulder, means for heating said ironing means body, means for drawing the sleeving through said ironing means body, and a freely movable presser body for disposition within the sleeving interior so as to be urged forward by the advancing movement of the sleeving toward the ironing means body whereby to uniformly press the walls of the sleeving into operative contact with said ironing shoulder.

2,243,233
MATERIAL SPREADER
Charles E. Volk, El Dorado, Kans.
Application June 13, 1938, Serial No. 213,547
1 Claim. (Cl. 221—130)



In a hopper for a material spreader, the hopper comprised of front, rear and end walls, and a hingedly connected lid to close the upper portion of the hopper, the rear wall curved downward and inward with respect to cross section, the front wall having a bend intermediate of its upper and lower edges, the portion below the bend extending inward and adapted to flex whereby an opening is provided between the lower terminal edges of said front and rear walls, and a toothed axle journalled in the end walls and disposed lengthwise to partially engage in the opening so that the terminal edge of the rear wall is in close proximity to the points of the axle teeth and substantially in vertical alignment with the turning axis of the axle, the terminal lower edge of the front wall being movable toward and from the said points of the axle teeth and terminating approximately on a horizontal plane with the turning axis of said axle, and an angle bar secured to the front wall outward thereof and in close proximity to its lower edge, said bar having a plate to close each end with respect to the legs of the angle, and each of said plates being drilled and having a bolt extending outward therefrom and each end wall of the hopper having an aperture to register with its respective bolt axially, the apertures being greater in diameter than that of the bolts whereby the lower edge of the front wall is moved inward or outward to space said edge portion at a selected distance from the points of the axle teeth and secured by the bolts, clamping said angle bar plates to snug engagement with the respective end walls, substantially as shown and described.

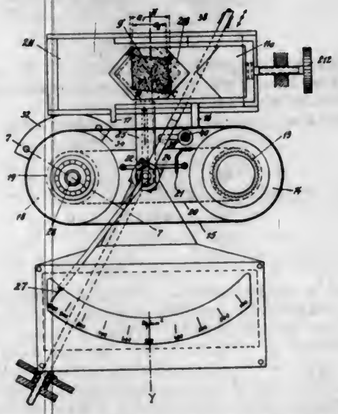
2,243,234
WAVE INDICATION
Johann Hermann von Duhn, Potsdam-Babelsberg, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 18, 1940, Serial No. 314,532
In Germany November 24, 1938
4 Claims. (Cl. 175—183)



2. In a circuit characteristic analyzing system, a cathode ray tube having, a target electrode, a plurality of pairs of deflecting electrodes and a cathode ray intensity control electrode, a source

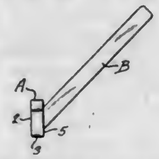
of wave energy the frequency of which is wobbled over a frequency spectrum at least equal to the frequency spectrum of the circuit to be analyzed, means for impressing said wave energy on said circuit and from said circuit on a pair of said deflecting electrodes, means for applying an alternating potential of a frequency related to the frequency at which said wave energy is wobbled to another pair of said deflecting electrodes, rectifying means coupled to said control electrode, and a selective circuit coupling said source of wave energy to said rectifying means.

2,243,235
HARDNESS INDICATING DEVICE
Herbert von Weingraber, Berlin-Siemensstadt, and Walter Knedel, Falkenhain, near Finkenkrug, Germany
Application March 22, 1939, Serial No. 263,434
In Germany March 29, 1938
15 Claims. (Cl. 265—12)



1. A device for indicating the hardness of a test-piece by measuring an impression made therein by a known load, comprising in combination means for producing an enlarged image of a hardness test impression formed in the test-piece, a plurality of mutually adjustable members for gauging two dimensions of the said image of which the mean is a measure of the hardness of the test-piece, a scale graduated in degrees of hardness, an index pointer coacting with the said scale and transmission gearing interposed between said gauging member and the said pointer for displacing said pointer in accordance with the mean of the two dimensions gauged by said gauging members.

2,243,236
TABLEWARE
Robert S. Walsh, St. Louis, Mo.
Application June 12, 1939, Serial No. 278,637
2 Claims. (Cl. 294—1)

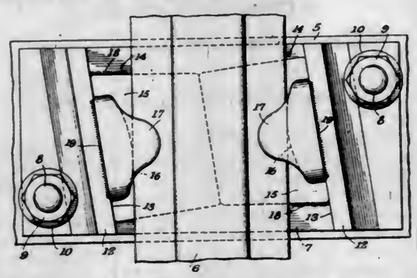


1. As a new article of manufacture, an implement of tableware comprising a handle and a head mounted on an end, and extending symmetrically on either side, of the handle, the head being disposed in a plane oblique to the longitudinal axis of the handle and having a forwardly presented flat pusher face and transversely extending scraper face disposed at right angles to the pusher face.

2,243,237
PROCESS OF PRODUCING METAL EMBOSSING FOILS
Cecil Whiley, St. Mawes, England
No Drawing. Application September 26, 1938, Serial No. 231,751. In Great Britain October 14, 1937
4 Claims. (Cl. 91—70.1)

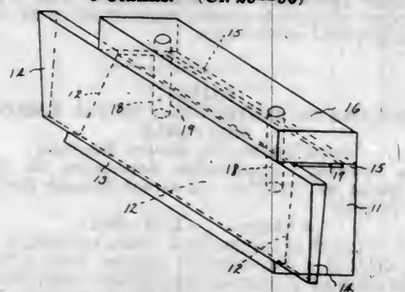
1. Process of producing a metal embossing foil, by coating a non-metallic support with a material adapted to release the support when heated, enclosing the coated support together with a supply of one of the group of metals consisting of gold, platinum, palladium, gold alloy, platinum alloy, palladium alloy, in a vacuum chamber, heating the metal to a temperature above its vaporization point at the pressure in the chamber so as to deposit a film of the metal on the coated support, then enclosing the support with metal film together with a supply of a base metal adapted to form a consistent film in a vacuum chamber, heating the base metal to a temperature above its vaporization point at the pressure in the chamber so as to deposit a film of base metal on the precious metal and coating the base metal, after removal from the chamber, with an adhesive material.

2,243,238
RAIL ANCHOR
Robert F. Wood, Glenside, and Robert Seeman, Willow Grove, Pa.
Application April 27, 1940, Serial No. 331,951
3 Claims. (Cl. 238—347)



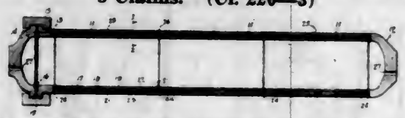
1. A rail anchor comprising a saddle having a supporting surface extending continuously from side to side thereof adapted to receive a rail transversely thereof, approximately parallel cams secured to the saddle on opposite sides of said supporting surface and arranged at acute angles to the normal direction of the rail, and wedge members abutting against said cams and adapted to wedge between the same and the rail, said wedge members having laterally arranged supporting plates secured thereto extending in opposed directions, said supporting plates being seated upon the supporting surface between the cams and extending a substantial distance therealong in position for receiving and supporting the rail base spaced above said supporting surface.

2,243,239
TOOLHOLDER
Joseph Zasada, Detroit, Mich., assignor of one-half to Felix Skowron, Detroit, Mich.
Application May 24, 1939, Serial No. 275,389
6 Claims. (Cl. 29—96)



1. A tool holder comprised of an angularly recessed shank having an inclined lateral surface, a longitudinally disposed elevated grip support forming a part of said shank, being at the upper edge thereof furthest from said recess, a cutting tool longitudinally disposed on this recessed portion and resting against said inclined surface, the upper edge of said tool longitudinally extending parallel to said grip support, and at the same height, to define an intermediate recess, a rectangular grip evenly supported upon said tool and upon said elevated grip support, whereby pressure exerted upon the top of said grip is evenly distributed between the tool and grip support.

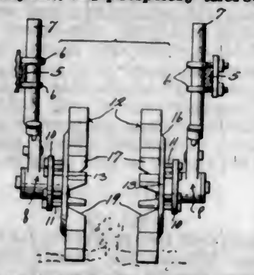
2,243,240
PRESSURE VESSEL FOR HYDROGENATING HYDROCARBONS
Frederick K. Zerbe, Granville, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application March 18, 1938, Serial No. 196,768
3 Claims. (Cl. 220—3)



1. A pressure vessel comprising a shell formed from a plurality of layers of metal welded together, the inner section of said shell being formed of a plurality of layers of material resistant to gas absorption, and the outer section of said shell being formed of layers of material protected by the inner section from injury by gas absorption, said outer section being additionally protected from gas absorption by a series of interconnected passages between two adjacent layers of said vessel and communicating with the outside of the vessel for withdrawing gas passing through the inner layer, at least one of said two adjacent layers being a layer of said inner section.

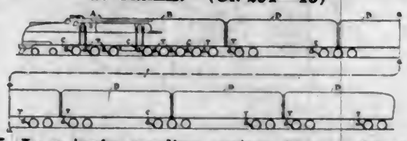
2,243,241
ROTARY CULTIVATOR
Edward M. Burns, Porterville, Calif., assignor of one-half to Frederick E. Stone, Porterville, Calif.
Application May 7, 1940, Serial No. 333,851
4 Claims. (Cl. 97—179)

1. A cultivator unit comprising a disk mounted on a rotatably supported carrier so as to rotate concentrically with the carrier, and a plurality of elongated blades secured to a face of the disk and extending beyond the periphery thereof and each



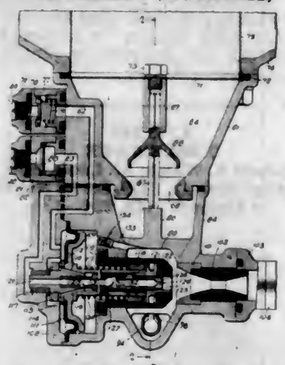
disposed at an angle to the radius of the disk, the blades being in spaced convergent relation at their inner ends, providing wide passageways for the escape of earth between said ends.

2,243,242
SANDER
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application January 16, 1940, Serial No. 314,172
10 Claims. (Cl. 291—15)



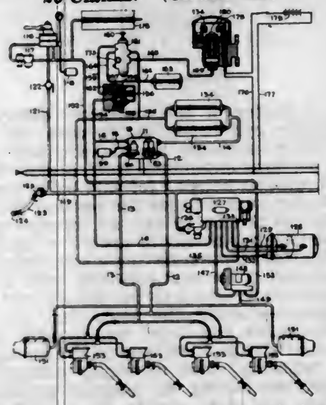
5. In a train sanding system the combination of a plurality of sanding mechanisms located at intervals throughout the train; a single controller serving to condition said system alternatively to operate or suspend operation; and timing means associated with certain only of said sanders and rendered effective by initiation of sanding to terminate operation of such sanders after a definite time interval.

2,243,243
SANDER
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application January 16, 1940, Serial No. 314,173
31 Claims. (Cl. 291—11)



1. In a sand trap, the combination of a chamber for retaining sand; means for supplying sand thereto; a pneumatic ejector serving when in operation to withdraw sand from said chamber; a sanding nozzle to which said ejector delivers sand entrained in a current of air; and a stirring nozzle having an air supply connection and arranged to discharge a stirring jet beneath the lowest level of sand in said chamber, said nozzle having a compensating port arranged to be exposed above the sand more or less accordingly as the level of sand in the chamber is low or high, whereby the activity of the stirring jet is modified.

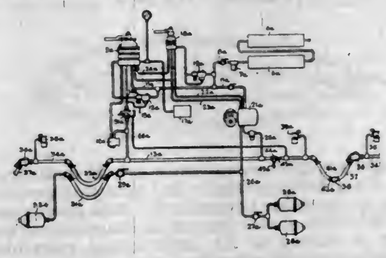
2,243,244
SANDER
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application June 7, 1940, Serial No. 339,387
25 Claims. (Cl. 291—15)



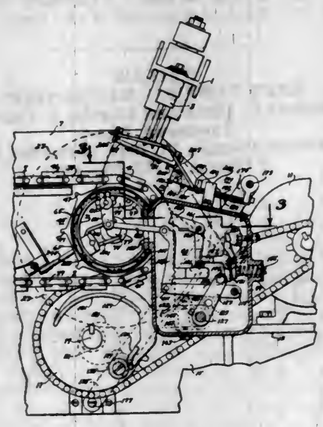
1. The combination of a pneumatic train braking system comprising braking units at intervals throughout a train, a brake pipe connected therewith, and means associated with the brake pipe at different points in the length thereof for causing brake applications; a train sanding system comprising sanding units, each associated with a corresponding braking unit throughout the train; and two independent means by which operation of the sanding system is caused to occur as an incident to brake application, the first comprising local connections from each braking unit to corresponding sanding units serving to start and for a short interval to maintain sanding by such sanding unit as an incident to braking response of the braking unit, and the second comprising a master controller and connections therefrom to the various sanding units, and means for actuating the master controller as an incident to a brake applying function of the braking system at the head of the train.

2,243,245
AIR BRAKE
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application May 13, 1940, Serial No. 334,940
5 Claims. (Cl. 303—14)

1. In an automatic air brake system, locomotive brake equipment comprising in combination a brake pipe extending from end to end of the locomotive and provided at its ends with means for connection with other brake pipe units; a stop cock near but spaced from the extreme forward end of said brake pipe; an engineer's brake valve connected by a branch with said brake pipe at a point to the rear of the stop cock; a double heading cock controlling said branch; fluid pressure operated protective means associated with said double heading cock and conditioned to operate by movement of the double heading cock to open position; manually operable means affording the sole means for setting said double heading cock in open position; and a connection leading from the brake pipe at a point forward of the stop cock to said protective means.



2,243,246
PITTING MACHINE
Ellsworth W. Carroll, San Francisco, Calif., assignor to S & W Fine Foods, Inc., San Francisco, Calif., a corporation of California
Application October 19, 1938, Serial No. 235,810
21 Claims. (Cl. 146—19)



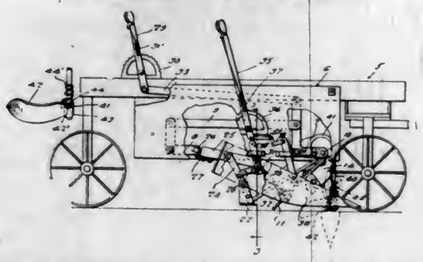
1. Fruit pitting machine comprising a fruit conveyor including a rotatable hollow sprocket having sprocket teeth and an opening through said sprocket between each pair of teeth, a conveyor chain encircling said sprocket and having individual resilient perforated bottom fruit carrying devices capable of meshing with said sprocket in alinement with said openings in the passage of said fruit carrying devices around said sprocket; pitting means mounted above said sprocket and adapted during pitting strokes to eject into said openings in said sprocket the pits from fruit carried thereto by said fruit carrying devices; a pair of alternative discharge routes for such fruit, and means controlled by the presence or absence of a pit in said openings for exposing one or the other of said discharge routes to such fruit as it is discharged from said machine.

2,243,247
FOLDING AND NONFOLDING MARINE CRAFT
Charles Haskell Clark, San Francisco, Calif., assignor of one-half to Ray H. Kistler, San Francisco, Calif.
Application September 23, 1939, Serial No. 296,263
1 Claim. (Cl. 9—2)



A marine craft comprising a hull including a pair of bendable normally flat bottom sheets and a pair of bendable normally flat side sheets, each of said bottom sheets having an inner lateral edge which is curved at its longitudinal extremities and substantially straight between these curved portions, and having an outer lateral edge curved throughout with a curvature reverse to the curvatures of said inner edge, and each of said side sheets having curved inner and straight outer lateral edges, hinge means joining inner lateral edges of said bottom sheets along a longitudinal medial line of the craft, hinge means joining each side sheet to a bottom sheet at their inner and outer lateral edges respectively, and removable means positioned in said hull bearing against opposite sheets on each side of the medial line, said removable means being of an extent to twist said bottom sheets and force said opposite sheets apart such a distance that a longitudinal extremity of each bottom sheet lies in substantially the same plane as the adjacent extremity of a connected side sheet at that end of the craft.

2,243,248
BEET TOPPING MECHANISM
Robert C. Clark and Charles J. Clark, Townsend, Mont.
Application January 17, 1940, Serial No. 314,348
7 Claims. (Cl. 55—107)



1. In a device of the character described, a supporting structure mountable upon a conveyance, knives mounted on said supporting structure for upward and downward movement, ground engaging elements connected with said knives and pivotally mounted on the supporting structure for governing the distance of operation of said knives with respect to the ground and the upper ends of beets, and a manually operated control means connected to said knives and ground engaging elements for the elevation and lowering thereof with respect to the ground, deflectors mounted for pivotal movement on the supporting structure and operating in advance of the ground engaging elements and knives for raising and deflecting laterally leaves of the beets.

2,243,249
AUTOMATIC WATER HEATER UNIT
Harvey A. Craig, New York, N. Y., assignor to Rheem Manufacturing Company, Richmond, Calif., a corporation of California
Application May 23, 1934, Serial No. 727,080
Renewed December 1, 1937
2 Claims. (Cl. 220—9)



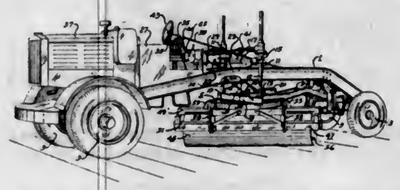
1. In a heater of the character described, a substantially cylindrical boiler with its length substantially exceeding its diameter and having control portions extending from a side thereof, a heat insulating housing for said boiler comprising a section with an exterior portion providing a cabinet for the boiler and an interior portion arranged to substantially fit around a segment of said boiler, said section having a supporting platform for said boiler and provided with an open side substantially equal to the length and width of the boiler whereby the boiler may be moved therethrough to and from within said section while in upright position, and said opening having its opposing sides diverging outwardly, a second section having its exterior arranged to coact with said first section in providing said cabinet and having its interior coact with said first section to completely surround said boiler, said second section being designed for detachable connection with the first section and having side portions corresponding to and arranged to engage said sides of the said opening, and said second section having an opening for accommodating said control portions, a releasable closure for said last opening and a removable cap over said sections.

2,243,250
ELECTRICAL DISCHARGE DEVICE AND ANODE THEREFOR
Fred E. Dietz, Cleveland, Ohio, assignor to Argus Manufacturing Corporation, a corporation of Ohio
Application November 22, 1940, Serial No. 366,635
5 Claims. (Cl. 250—27.5)



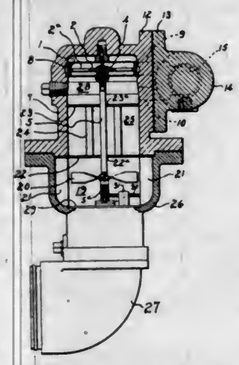
2. An anode for gas filled rectifier tubes having opposite end portions and being free from concave cavities which are exposed to ionic bombardment, said anode being formed partially of a carbonaceous material and partially of an electrically conductive metal with the carbonaceous material constituting one end portion of said anode and having an opening therein for a conductor and the metal forming at least a substantial part of the opposite end portion of said anode with its inner surface in contact with the carbonaceous material but spaced from said opening and its outer surface constituting a portion of the surface of said anode.

2,243,251
ROAD MACHINE
Carl A. Gustafson, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application January 17, 1938, Serial No. 185,346
4 Claims. (Cl. 94—50)



1. A road machine comprising a main frame having rear wheels and front steerable wheels and an operator's station, an auxiliary drawbar frame movably connected to said main frame, spaced lift means on said main frame for adjusting said auxiliary frame vertically, a circle frame supported on said auxiliary frame for angular adjustment about an upright axis at a location between said front and said rear wheels, means controllable by an operator at said operator's station for effecting such adjustments, and a roller element supported on said circle frame enabling steering of the machine within a shorter radius than possible through the front steerable wheels when said lift means are so adjusted as to lift said front steerable wheels off of the ground.

2,243,252
FLUID FLOW METER
George T. Huxford, North Kingstown, and Edgar R. Loud, Cranston, R. I., assignors to Builders Iron Foundry, Providence, R. I., a corporation of Rhode Island
Application January 16, 1939, Serial No. 251,262
In Great Britain February 4, 1938
5 Claims. (Cl. 73—230)



1. A meter for measuring the flow of fluid in a pipe line comprising a casing having inlet and outlet openings for connection with said line and having separated chambers connected with said openings respectively; a second casing attached to the first said casing having a chamber with a cylindrical wall portion; a rotor in the last said chamber having a cylindrical operating surface adjacent said wall portion; a circumferential groove in said wall portion opposite said operating surface; an inlet passage from the inlet chamber of the first said casing opening into said groove and arranged to direct the flow of fluid therein in tangential relation to said operating surface, there being provision between the edges of said operating surface and said groove for escape of the fluid into said rotor chamber as the fluid generally traverses the groove and effects rotation of said rotor; an outlet passage from said rotor chamber to the outlet chamber of the first said casing; and means actuated by said rotor for indicating the quantity flow of said fluid.

2,243,253
CHAIR
Harry W. Kranz, Cleveland, Ohio, assignor to The Cleveland Welding Company, Cleveland, Ohio, a corporation of Ohio
Application November 18, 1938, Serial No. 241,241
1 Claim. (Cl. 155—194)



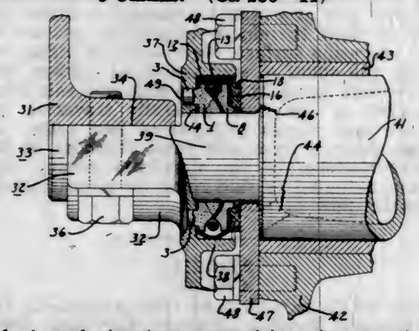
In a chair, a sheet metal seat member with turned down side flanges and a sheet metal back member with turned back side and bottom flanges, a flat metal reenforcing strip attached to the inner side of each of said side flanges of said back member, the lower end of said strip being rectangularly bent in position to be secured to said bottom flange, said bottom flange and said seat member adjacent its rear edge being slightly longitudinally deformed, and fastening means passing through said reenforcing strip, said bottom flange and said seat member adjacent its horizontal rear edge portion.

2,243,254
HORTICULTURAL EMULSION SPRAY COMPOUND
Frank F. Lindstaedt, Oakland, Calif.
No Drawing. Application November 14, 1934, Serial No. 752,990
6 Claims. (Cl. 167—28)

1. An emulsifier agent for use with a hydrocarbon spray oil and water to provide a quick breaking spray emulsion comprising, a sulphonated naphthenic acid and a preponderance of a free naphthenic acid.

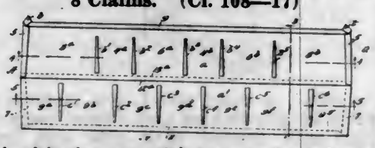
2. An emulsible oil for use with water to provide a quick breaking spray emulsion comprising in combination, petroleum oil, a sulphonated naphthenic acid, and a preponderance of a free naphthenic acid.

2,243,255
SEAL
Harry T. McDonald, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application February 11, 1939, Serial No. 255,889
8 Claims. (Cl. 286—11)



1. A seal structure comprising ring members having interlocking tongues and recesses precluding relative rotation therebetween but allowing relative axial movement, the adjacent surfaces of said tongues being inclined with respect to the axis of said members, a garter spring slidable over said inclined surfaces of said tongues between said members serving to thrust them apart, and a flexible sleeve secured to said members against relative rotation with respect thereto.

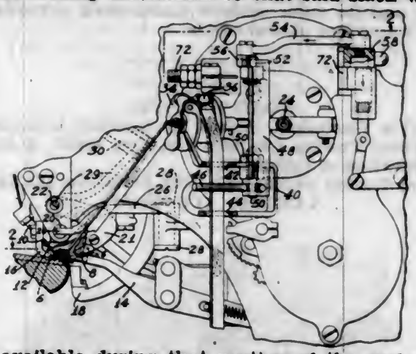
2,243,256
METAL ROOF COVERING
Thomas D. Miller, Clarksville, Md.
Application April 25, 1938, Serial No. 204,167
8 Claims. (Cl. 108—17)



1. A shingle comprising a rectangular metal sheet having in its central portion a double fold dividing it into upper and lower halves, each half having a plurality of spaced transverse ridges on its upper side dividing it into panels, the adjacent panels on one half being of different widths and the ridges on the other half intersecting the panels on the opposing half of the shingle.

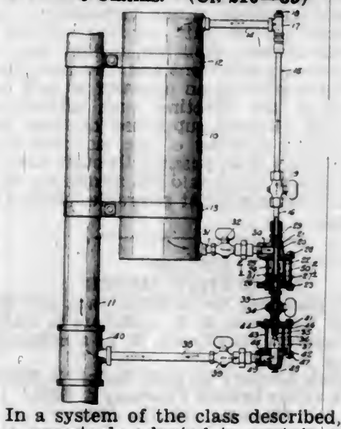
2,243,257
SEWING MACHINE
Alfred R. Morrill, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 23, 1939, Serial No. 280,757
6 Claims. (Cl. 112—46)

1. A welt sewing machine having, in combination, stitch forming and shoe feeding mechanism arranged for continuously feeding the work including a work piercing needle and a work piercing awl movable in the line of work feed, and an additional work engaging element movable in the line of work feed to assist in feeding the work, a welt guide, and an intermittently acting welt pull-off for supplying comparatively slack welt between the welt supply and the sewing point, the action of the welt pull-off being timed with relation to the stitch forming and shoe feeding mechanism so that said slack welt



is available during that portion of the cycle in which the awl leaves and the needle enters the work.

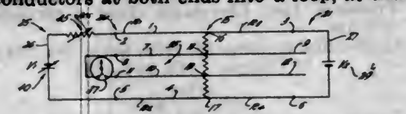
2,243,258
SOLUTION FEEDING DEVICE
Alfred N. Munn, Huntington Park, Calif.
Application February 14, 1939, Serial No. 256,393
6 Claims. (Cl. 210—39)



1. In a system of the class described, a liquid line, a receptacle adapted to contain a solution the specific gravity of which is greater than that of the liquid with which it is to be mixed; means connected to the liquid line through which solution in the receptacle flows from the bottom portion thereof by gravity to mix with liquid in said line; means co-actable with the first means to enable liquid from the line to enter the top portion of the receptacle by displacing solution flowing therefrom; means by which the first means is utilized to effect the flow of displacement liquid therethrough to the top portion of the receptacle in a direction counter to the direction of solution flow through the first means from the bottom portion of the container; and means co-actable with the last means to prevent counterflowing liquid from entering the receptacle from the bottom portion thereof.

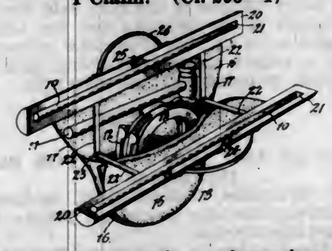
2,243,259
METHOD OF ELECTRICALLY TESTING CONDUCTORS TO LOCATE POINT OF A FAULT
Charles E. Pierce, North Hollywood, Calif.
Application May 20, 1940, Serial No. 336,213
12 Claims. (Cl. 175—183)

1. The method of ascertaining the location of a fault in a multi-conductor electric circuit having a short circuit fault across at least four of the conductors, consisting in connecting two of the conductors at both ends into a loop, at these



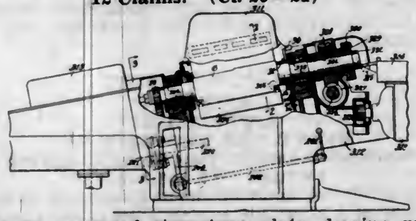
end connections employing voltages poled in the same direction and obtaining a condition of no potential difference between the conductors through the fault.

2,243,260
SATCHEL FOR CARRYING HORSESHOE PITCHING OUTFITS
Joseph Rindos, Gardenville, N. Y.
Application June 20, 1940, Serial No. 341,520
1 Claim. (Cl. 206—1)



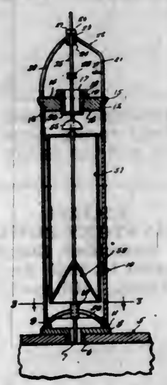
A satchel for carrying a horseshoe pitching outfit comprising a flat bag which is adapted to receive the horseshoes of the outfit and which has a comparatively wide longitudinal upper end provided with an opening and gussets at opposite ends of said opening and a narrow lower closed end, two horizontal bars having their central parts secured lengthwise to the upper end of the bag on opposite sides of its opening and having their extremities projecting horizontally beyond the wide end of said bag and the opposing faces of said bars being provided with grooves adapted to receive the stakes of said outfit, and hinges arranged in said bag and pivotally connecting said bars, said hinges being spaced from the adjacent parts of said bag and also free from the bag gussets and spaced inwardly thereof to permit of inserting the hammer of said outfit behind a leaf of one of said hinges.

2,243,261
PLATE FINISHING MACHINE
Oscar C. Roesen, Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application December 17, 1938, Serial No. 246,325
12 Claims. (Cl. 29—21)



4. In a curved stereotype plate shaving machine, the combination with an arch for receiving the plate, a bar extending centrally therethrough, two knives carried by said bar for the more accurate finishing of the inside of the plate, an automatic device for holding the plate clamped in the arch while the knife bar makes two revolutions, and means for rotating the knife bar continuously twice in immediate succession, whereby two shaving cuts are made on the curved surface of the plate.

2,243,262
AUTOMATIC TRAPPED AIR RELEASE
Ivan O. Smith, Porthill, Idaho
Application June 15, 1938, Serial No. 213,911
5 Claims. (Cl. 137—69)

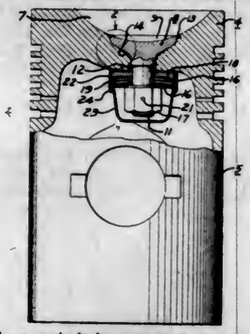


1. A venting valve for a liquid container formed with an opening in an upper part thereof, said venting valve comprising a tubular coupling for mounting in said opening, a vertical casing mounted on said coupling and rising thereabove, a top closing the upper end of the casing and having a tubular valve seat therein, a float rod, means on upper and lower parts of the casing for slidably supporting the float rod, a float fixed to said rod below said top, a valve fixed on said float rod between the upper end of the float and said valve seat, said float rod extending through said tubular valve seat and above said top, the said means on the upper part of the casing comprising an arched member on said top, said arched member having a tubular part slidably receiving the upper part of the float rod, spring operated overcentering means mounted on a side of said arched member and having operative connection with the float rod for seating and unseating said valve on said valve seat.

2,243,263
ENGINE PISTON
Oscar L. Starr, Mission San Jose, Calif., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application May 19, 1939, Serial No. 274,502
2 Claims. (Cl. 309—9)

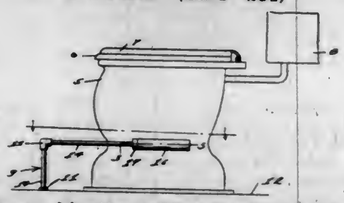
1. A piston comprising a head having an aperture therein and an insert in said aperture in sealing engagement intermediate its ends with the remainder of said head along a limited area inclined with reference to the axis of said piston and constructed of heat resistant material having a heat conductivity relatively low compared to that of the remainder of said head, and a shank portion on said insert extending through said aperture; and means resiliently holding said insert in position to allow relative thermal movements between said remainder and said insert

while maintaining said sealing engagement comprising a flanged washer about said shank portion and abutting against the under side of said



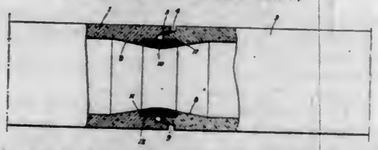
piston head, a retaining member on said shank portion, and a leaf spring bowed between said retaining member and the flange of said washer.

2,243,264
LAVATORY BOWL
Perry F. Stromblad, Clairton, Pa.
Application August 14, 1940, Serial No. 352,624
2 Claims. (Cl. 4—254)



1. In combination with a lavatory bowl, a pair of horizontally disposed guides, one at each side of the bowl, a pair of horizontally extending members each having one end disposed into a corresponding guide, a foot supporting member bridging the horizontally disposed members, and leg members for the forward ends of the horizontally disposed members, said guides each consisting of a barrel mounted on a corresponding side of the bowl.

2,243,265
PIPE COUPLING
John Thomson, Chico, Calif., assignor to Valley Concrete Pipe & Products Company, Yuba City, Calif., a corporation of California
Application October 21, 1939, Serial No. 300,615
2 Claims. (Cl. 285—197)



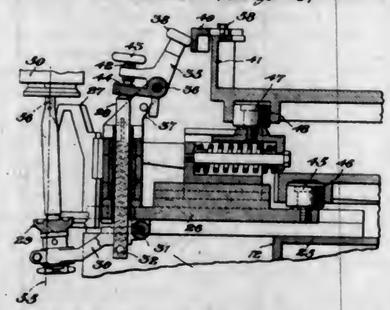
1. A coupling structure for the adjacent ends of a pair of pipe sections disposed in end to end alinement, said structure comprising overlapping male and female portions on the sections at said ends separated both axially and radially thereof and a band of resilient compressible material mounted in both sections radially inward of the overlapping portions and bridging the axial gap therebetween.

2,243,266
CONNECTION FOR KNOBS AND THE LIKE
George A. Tinnerman, Rocky River, Ohio, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 31, 1938, Serial No. 238,045
7 Claims. (Cl. 287—53)



1. In a connection, a part comprising a connecting hub having an outer shaft bearing surface including an axial recess, a cooperating part comprising a shaft adapted to seat against said outer surface of the hub in said axial recess, and a fastener comprising a shaft engaging section and securing sections securing the fastener to said hub with said shaft engaging section opposite said outer surface of the hub, said shaft engaging section of the fastener and the axial recess on said outer surface of the hub cooperating to define a socket opening receiving said shaft in frictional, gripping relation therewith.

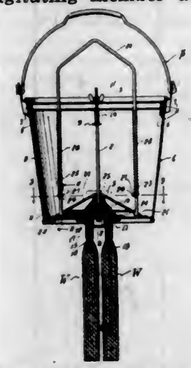
2,243,267
METHOD OF AND APPARATUS FOR BLOWING GLASS
Albert F. Tremblay, Toledo, Ohio, assignor to Kent-Owens Machine Company, Toledo, Ohio, a corporation of Ohio
Application October 13, 1937, Serial No. 168,773
11 Claims. (Cl. 49—5)



1. Apparatus for gathering and blowing glass comprising a neck mold adapted to suspend a gathering blank, a blow mold bottom, means for moving the bottom laterally and longitudinally of a blank suspended from the blow mold, said means being related so that a portion of the lateral movement occurs alone and a portion of the lateral and longitudinal motion are taking place simultaneously, and means for adjusting the timing of said lateral and longitudinal movements relatively to each other to vary the path of the mold bottom.

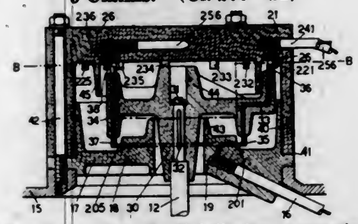
2,243,268
APPLICATOR
David C. Vick, Nashville, N. C.
Application April 20, 1940, Serial No. 330,783
1 Claim. (Cl. 299—101)

A device for applying fluent insecticide to the foliage of a plant comprising a container having a discharge opening in its bottom, a cross member intersecting the top portion of the container, a housing secured to the outer face of said bottom and with which the discharge opening communicates, said housing having a wall provided therealong with a plurality of openings, a valve for regulating the flow through the discharge opening into the housing and out through the openings of the housing, wiping elements, means for securing said wiping elements to the bottom of the container at opposite sides of the housing and in a position to permit the material passing through the openings of the housing to drop upon the wiping elements, an agitating member within the container, yieldable means for maintaining said agitating member at the limit of



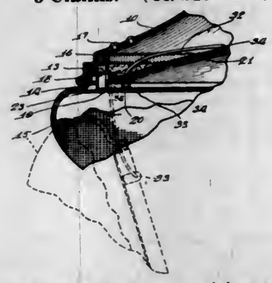
its movement toward the bottom wall of the container, arms secured to the agitating member at substantially diametrically opposed points, said arms being of a length to freely extend through the cross member, expansible means for constantly urging the agitating member toward the bottom wall of the container, a cross member connecting the end portions of the arms above the cross member of the container, and a carrying bail for the container, the cross member for the arms being in a position to be readily engaged by a digit of the hand grasping the bail of the container for moving the agitating member away from the bottom of the container.

2,243,269
ELECTRIC CURRENT DISTRIBUTOR
Hesper von Tavel, Soleure, Switzerland, assignor to Scintilla Ltd., Soleure, Switzerland, a corporation of Switzerland
Application July 22, 1939, Serial No. 286,045
In Switzerland July 22, 1938
9 Claims. (Cl. 200—21)



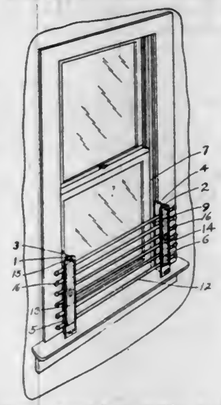
1. Electric current distributor comprising in combination a plurality of spaced supply electrodes; insulated connections between the said supply electrodes; a plurality of leading-out electrodes insulated from each other; a rotary member; a plurality of distributing conductors carried by the said rotary member and each adapted to occupy distinctive positions in the course of the rotation of the said rotary member, which distinctive positions are characterized by the distributing conductor facing simultaneously one of the said supply electrodes and one of the said leading-out electrodes; and the several distributing conductors being insulated from each other and arranged in relation to the said rotary member so that in the course of the rotation of the latter they alternate in occupying their said distinctive positions.

2,243,270
LIGHTING FIXTURE
Marshall S. Wideroe, Northbrook, Ill., assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill., a corporation of Illinois
Application June 27, 1938, Serial No. 215,966
5 Claims. (Cl. 240—147)



1. A lighting fixture comprising a metal canopy, an inverted dished reflector in said canopy, a light-transmitting bowl, and means for mounting said light-transmitting bowl underneath said reflector comprising a metal ring secured to the upper edge of said light-transmitting bowl and having an inwardly-extending flange having a plurality of circumferentially-spaced notches therein, a plurality of circumferentially-spaced brackets secured to said canopy and extending downwardly therefrom the reflector being suspended from said brackets and maintained in fixed spaced relationship to said canopy, said brackets each having an outturned terminal portion for disengageable cooperation with the circumferentially spaced notches in the bowl supporting flange, said bowl having a reduced neck portion and said metal ring lying mainly inside said reduced neck portion.

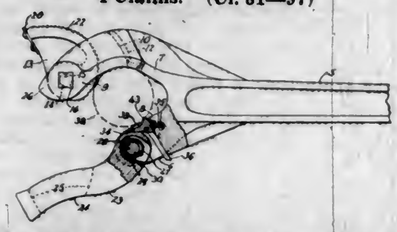
2,243,271
CURTAIN GUARD FOR WINDOWS
Margaret L. Anderson, Springfield, Ill.
Application October 11, 1939, Serial No. 298,901
1 Claim. (Cl. 20—71)



In a window provided with a frame having

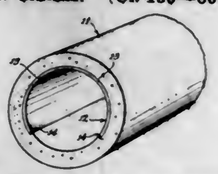
a sash therein, the combination of a vertically extending bracket member at each side of the lower portion of the window frame, each bracket member having an anchor flange in flat contact with said frame and extending transversely to the plane of said sash and frame and secured to said frame and extending inwardly beyond the plane of the frame, the inner portions of said bracket members having lateral extensions provided on their inner faces with a plurality of substantially parallel elongated channels extending transversely to the planes of said anchor flanges, guide rods removably seated in said channels, said rods extending across said frame on the inner side thereof and spaced therefrom, said rods being longer than the width of said frame and having knobs on the ends thereof for preventing endwise removal of said rods from said channels, and an ornamental retaining plate detachably secured to each bracket member and extending over said channels for holding said rods therein, whereby said rods may be removed by first removing said plates.

2,243,272
PIPE WRENCH
Delbert Cole, Hollydale, Calif.
Application June 22, 1939, Serial No. 280,506
4 Claims. (Cl. 81—97)



1. A pipe wrench having relatively fixed jaws, movable gripping means on at least one of the jaws for gripping a pipe section in the mouth provided by the jaws, a pivoted latch adapted to connect the fixed jaws, spring means tending to close the latch, and spring actuated pawl means on the wrench disposed to engage a portion of the latch to hold the latch in an open position against the action of the spring, for lateral movement of the wrench relative to the pipe section said pawl means having a portion which, when the pawl is engaged with the latch, is presented within the pipe receiving mouth for engagement by a pipe section to release the pawl and free the latch.

2,243,273
LINED CONCRETE PIPE
Robert V. Edwards, San Marino, Calif., assignor to American Concrete and Steel Pipe Company, a corporation of Delaware
Application January 26, 1940, Serial No. 315,708
2 Claims. (Cl. 138—86)



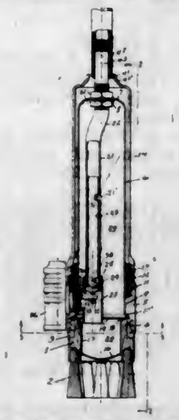
1. A pipe comprising a substantially cylindrical concrete body having a wide recess extending from end to end of its inner surface, and a protective liner plate of inert, alkali and acid resistant material mounted in said recess to provide an inner surface flush with the surface of the unrecessed inner surface of said concrete body, the normal curvature of said plate being on an arc of greater radius than the radius of the arc formed by the surface of the recessed portion of said concrete body whereby said plate is held in said recess by its tendency to assume its normal shape.

2,243,274
CHAIN CONVEYER
Robert J. Ernst, Ann Arbor, Mich., assignor, by mesne assignments, to Cherry-Burrell Corporation, Chicago, Ill., a corporation of Delaware
Application March 8, 1940, Serial No. 322,878
10 Claims. (Cl. 198—189)



1. In a conveyer, a chain comprising a plurality of links, each having a substantially deep hollow rectangular body terminating at one end in a hook and at the other end in a ring, there being one or more arcs formed on the link body at the ring end thereof, said arcs being in alignment with the opening in said ring, and said arcs being arranged to engage corresponding arcs on the outer periphery of the hook of an adjacent link to provide substantial surface contacts when the hook and ring of adjacent links are rocked vertically.

2,243,275
FOUNTAIN SOAP BRUSH
Charles V. Ewan, Los Gatos, Calif.
Application March 14, 1939, Serial No. 261,746
3 Claims. (Cl. 299—83)

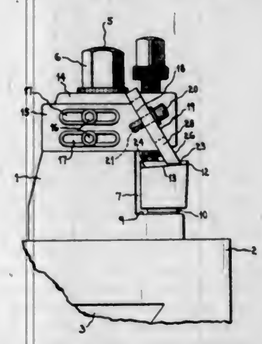


1. A washing device of the character described, comprising a hollow, elongated, tubular outer shell, providing a handle for holding by a hand of the operator during manipulation of the device when in use; an elongated, tubular inner shell extending longitudinally within said outer shell having its walls spaced from the walls of said outer shell, said inner shell being a soap compartment for soap; said inner and said outer shell each being provided with a head at one of their corresponding ends and their opposite corresponding ends terminating in open ends relatively close to each other; means on the said opposite end of said outer shell for removably securing an apertured washing element thereto and an apertured disk extending across said opposite end of said inner shell; a conduit for water extending through the heads of said outer and said inner shells and through said inner shell longitudinally thereof and through said apertured disk to a point adjacent the washing element to be attached to said last mentioned means; said conduit being formed with a first opening in a side thereof at a point within said soap compartment for discharge of water into said inner shell and said conduit also being provided with a discharge opening outwardly of said inner shell adjacent said washing element; single, movable valve means associated with said conduit simultaneously movable from a position in which said first opening is closed and said second opening is open to a position in which said second opening is closed and said first opening is open, and means mounting said valve means for said movement.

2,243,276
COPPER ALLOY
Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application March 9, 1939, Serial No. 260,746
2 Claims. (Cl. 219—4)

1. An alloy containing about .5% magnesium, about 1% cadmium, about .5% chromium and the balance substantially all copper.

2,243,277
CHIP CONTROL MEANS
Richard J. Honekamp, Cincinnati, Ohio, assignor to The R. K. LeBlond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application January 5, 1940, Serial No. 312,524
5 Claims. (Cl. 82—36)

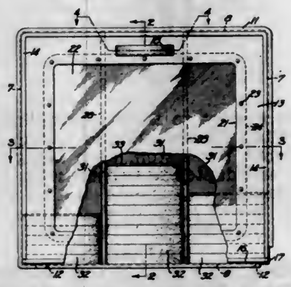


1. In a chip control device for lathe, a tool holder, a tool in said tool holder, a chip breaker on said tool holder comprising a support adjustably mounted on said tool holder for movement parallel with the axis of rotation of the work in a plane substantially tangent to the surface of said work being machined by said tool, and a chip deflecting member adjustably mounted on said support for movement in a plane angularly related to said axis for engagement with said tool.

2,243,278
ALLOY FOR SOLDERING ALUMINUM
John Johnson, New York, N. Y.
No Drawing. Application November 9, 1940, Serial No. 365,013
2 Claims. (Cl. 75—175)

1. An alloy of the character and for the purposes described which consists of tin from about 56 to 60%, cadmium from about 20 to 24%, zinc from about 14 to 16%, copper from about 1 to 5% and silver from about 2½ to 3%.

2,243,279
CABINET
Herman B. Kinney, Oakland, Calif.
Application March 16, 1940, Serial No. 324,262
1 Claim. (Cl. 45—71)



A cabinet for storing bread comprising a sheet metal body having a vertical back and integral top and bottom and side walls extending from the respective edges of said back to define a depository recess within the body having an open end, said side walls in a lower portion thereof and adjacent the open end of said recess being each provided with a pivot aperture, and said top and bottom near an edge thereof adjacent the open end of said recess being each provided with a pair of spaced apertures, a door having secured to one edge thereof a pivot rod whose opposite ends are extended to enter said side wall pivot apertures so as to pivotally mount the door on the body for movement to close said open end of the depository recess, a piece of sheet metal, bent to U-shaped cross-sectional form to provide a pair of spaced partitions and insertible into said recess to divide the recess into a plurality of compartments in which stacks of sliced bread may be placed, said spaced partitions each having, secured to a vertical edge thereof, a rod which may be engaged in the spaced apertures of said top and bottom so as to secure the said piece of sheet metal to said body, and metal plates in said compartments adapted to rest on the tops of said stacks of sliced bread therein for vertically compressing said stacks.

2,243,280
HYDRAULIC SHOCK ABSORBER
Lyman H. Kyle, Alhambra, Calif.
Application April 9, 1940, Serial No. 328,716
6 Claims. (Cl. 188—88)

1. In a hydraulic shock absorber, a cylinder having therein a hollow tube secured at one end within the cylinder and extending freely towards the opposite end, and a piston reciprocally mounted in the cylinder and provided with a hollow connecting rod slidably mounted around the tube and extending with one end beyond the free end of the tube and beyond the coincident end of the cylinder, the tube having a pair of longi-

tudinally arranged passage means circumferentially spaced from each other, each extending in opposite directions from the median portion of the tube, said passage means overlapping each



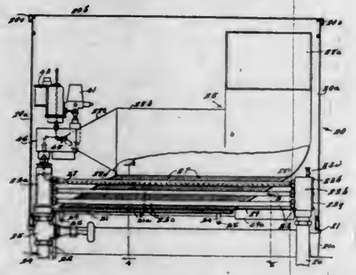
other, with respect to their longitudinal extent, at said median portion, the rod having a pair of ports adjacent the piston, each being in alignment with an adapted to register with one of the passage means.

2,243,281

HUMIDIFIER, HEATER, AND DEHUMIDIFIER

Gottlieb R. Magney, Minneapolis, Minn.

Application October 27, 1930, Serial No. 491,466
Renewed March 22, 1940
25 Claims. (Cl. 257—3)



20. A humidifier structure comprising a radiator, a casing enclosing said radiator having an inlet opening for air adjacent its bottom and an outlet opening for air adjacent its top, a series of similarly inclined and spaced plates extending along and over said radiator and means for projecting a finely divided spray into said casing above said plates and transversely thereof.

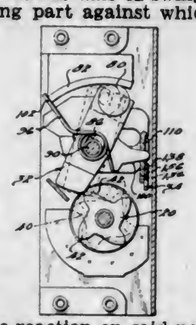
2,243,282

LATCHING DEVICE

Rollo Marple, Jackson, Mich., assignor to Hancock Manufacturing Company, Jackson, Mich., a corporation of Michigan

Application December 5, 1939, Serial No. 307,645
13 Claims. (Cl. 292—214)

1. In a latch, means including a movable holding member for cooperating with a second member to hold associated closure members in predetermined position, means including a swingable holding part disposed to bear against said means and wedge said means into engagement with said second member, and retaining means mounted in fixed relation to the axis of swinging movement of said holding part against which said part is



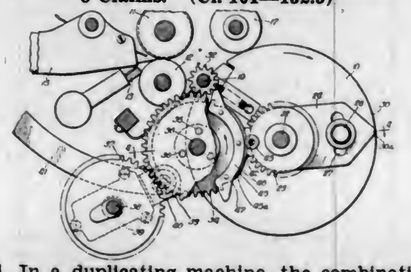
wedged by the reaction on said part of said first mentioned means.

2,243,283

DUPLICATING MACHINE

Robert F. Morrison, Oak Park, and Glen E. Wimmer, Chicago, Ill., assignors to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

Application April 7, 1939, Serial No. 266,471
8 Claims. (Cl. 101—132.5)



1. In a duplicating machine, the combination with a rotatable drum having means thereon for securing a master sheet thereto, of means adjacent to said drum adapted to forward a copy sheet into impression relationship to said master sheet, a drive shaft, and means to intermittently rotate said drum by continuous rotation of said drive shaft, said last named means comprising a drive gear having a mutilated section, a driven gear operatively connected to said drum and adapted to mesh with said drive gear, cams on the driven gear and said mutilated section having faces adapted to engage and when engaged to hold the driven gear stationary, and means on the two gears cooperating to accelerate rotation of the driven gear as said cams separate and the gears come into meshing relationship, said last-named means comprising a cam member on the drive gear extending circumferentially thereof at the mutilated portion, and a lug on the driven gear in position for operative engagement with said cam member for bringing the driven gear gradually up to approximately its normal speed of rotation before said gears engage.

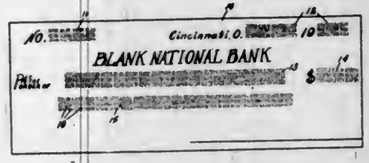
2,243,284

ALTERPROOF CHECK OR PAPER

William E. Niece, Cincinnati, Ohio, assignor of seventy per cent to William J. Dammarell, Cincinnati, Ohio

Application March 7, 1940, Serial No. 322,800
3 Claims. (Cl. 283—9)

3. A blank paper check or the like formed with a continuous area provided with numerous adjacently-disposed breaks or ruptures projecting from both the front and rear of the check, upon which ruptured area desired words or figures are to be imprinted in subsequently filling out the



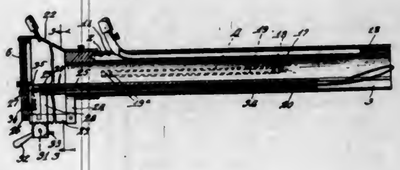
check for use, whereby the check is rendered destructible upon attempted alteration of the filled-in data, and said ruptured area absorbs the imprinted matter into and substantially through the check for further precluding alteration of the latter.

2,243,285

OPERATING SCOPE

Charles E. Pope, Evanston, Ill.

Application January 6, 1936, Serial No. 57,714
8 Claims. (Cl. 128—6)



3. A device of the character described comprising a barrel and a longitudinally extending canal in said barrel wall, an aspirator tube for connection at one end to a suction line slidably positioned in said canal and having an aperture at the other end thereof, said aspirator tube having a slot adjacent the apertured end thereof, the walls of said canal being provided with a slot for registering with the slot in said aspirator tube when the latter is in certain positions, and a cleaning member connected to the wall of said canal and extending into said aspirator tube, said member being so positioned that when the aspirator tube is moved toward the apertured end of said tube the cleaning member may extend through the aperture therein and when the aspirator tube is moved in the opposite direction the apertured end thereof will be spaced from said cleaning member, said slot being in registration when said cleaning member is adjacent said aperture.

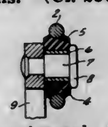
6. An operating scope comprising a barrel member open at one end and having a transparent closure at the other end, means for supplying gas under pressure to said barrel, said device being provided with means for permitting the manipulation of an instrument adjacent the open end thereof with substantially no escape of gas from the closed end of said barrel, an aspirating tube and means for causing a continuous suction therein, the end of said aspirating tube being positioned adjacent the open end of said barrel for permiting the continuous withdrawal of fluid from adjacent the open end of said barrel while pressure is maintained therein.

2,243,286

FLEXIBLE LINK

Karl K. Probst, Detroit, Mich., assignor to Karl K. Probst and J. H. Shoemaker as joint trustees for Probst Shoemaker-Merrill Company, a joint venture company, Detroit, Mich.

Application January 20, 1939, Serial No. 251,941
2 Claims. (Cl. 287—85)



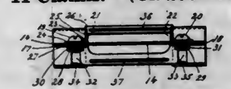
1. A link and universal joint combination comprising an elongate body, a rigid bushing, an elastic bushing encircling said rigid bushing in firm contact therewith, and a loop on the end of said body tightly encircling said elastic bushing, said elastic bushing having a preformed groove for the reception of said loop, and said elastic bushing having the region adjacent the groove and for a substantial distance inwardly thereof unconfined to enable substantial lateral bending deflection thereof.

2,243,287

RENEWABLE FUSE

Hyman Scheinbeim, New York, N. Y.

Application October 25, 1938, Serial No. 236,842
11 Claims. (Cl. 200—131)



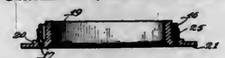
2. A renewable fuse having a fuse link; a body section provided with a fuse chamber; two cylindrical and tubular end ferrules having indented sections on their cylindrical surfaces for engaging the ends of the fuse link; and bolts for electrically connecting the ends of the fuse links to the ferrules.

2,243,288

METHOD OF FORMING BUSHING STRUCTURES

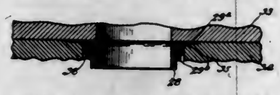
Morris Schwartz, Chicago, Ill., assignor to Barrel Fitting & Seal Corporation, Chicago, Ill., a corporation of Illinois

Application March 16, 1939, Serial No. 262,102
9 Claims. (Cl. 29—148.2)



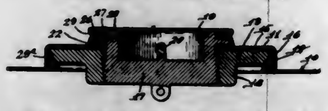
1. The method of forming a bushing structure for a sheet metal container which consists in forming an outwardly extending flange member on a cylindrical collar member, in reducing the thickness of a marginal portion of the flange member to form a shoulder having a non-circular periphery at the juncture of the reduced and enlarged portions thereof, in cutting a channel in one of said members and an undercut in the other of said members, in fixedly securing one end of a clamping ring in said channel and undercut, the side walls of said ring and said collar lying in substantially parallel planes, in inserting said ring and said collar through a non-circular aperture in a wall of the sheet metal container to a position such that the reduced marginal portion of the flange rests on one side of the container wall and the non-circular peripheries of the shoulder and the aperture engage, and in clamping the extending portion of the ring against the other side of the wall.

2,243,289
METHOD OF FORMING BUSHING STRUCTURES
Morris Schwartz, Chicago, Ill., assignor to Barrel Fitting & Seal Corporation, Chicago, Ill., a corporation of Illinois
Application July 20, 1938, Serial No. 220,299
15 Claims. (Cl. 29—148.2)



1. The method of forming a bushing structure for a sheet metal container which consists in splitting a flange extending angularly from a cylindrical collar, in spreading the split portions of the flange to receive therebetween a wall of the sheet metal container, in forming polygonal edges on one of said split portions to engage corresponding polygonal edges of said wall, and in clamping the split portions against opposed sides of said wall.

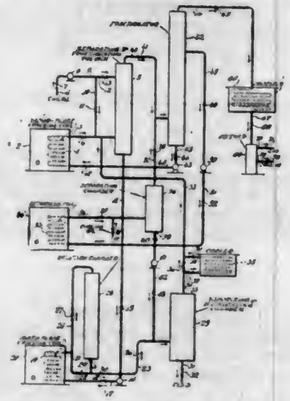
2,243,290
CLOSURE PLUG AND SEALING MEANS THEREFOR
Sol Schwartz, Chicago, Ill., assignor to Barrel Fitting & Seal Corporation, Chicago, Ill., a corporation of Illinois
Application August 20, 1938, Serial No. 225,847
5 Claims. (Cl. 220—39)



1. A closure plug for sealing a hole through the wall of a container, comprising a main body portion having detachable engagement with the material bounding said hole and an extending portion having a tool-engaging formation, a ring comprising a collar having an extension disposed in a groove on said plug and carried thereby to prevent axial displacement therefrom in either direction and being freely rotatable about the axis thereof, said collar having a flange extending radially outwardly from said plug to at least the outer confines of the extending portion of said plug to prevent undetectable tool-engaging access thereto, and an inverted cup-shaped cap enclosing said tool-engaging formation and overlying said flange, the skirt of said cap being crimped below said flange to be carried by said ring and depending to envelop completely the extending portion of said plug.

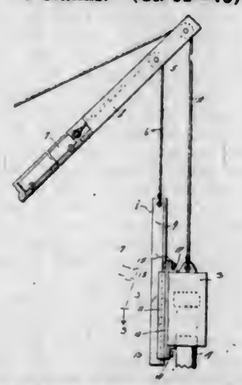
2,243,291
CONVERSION OF HYDROCARBON OILS
Jean Delattre Seguy, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 31, 1939, Serial No. 292,880
3 Claims. (Cl. 196—49)

1. A hydrocarbon oil conversion process which comprises introducing cracked vapors and charging oil for the process to a separating and fractionating zone, therein separating a vaporous product having an end-boiling point of from about 600 to 650° F. and a heavier liquid product, further fractionating said vaporous product in a second fractionating zone to form a light gasoline fraction of high anti-knock value, a heavy gasoline fraction of relatively low anti-knock value, and a reflux condensate heavier than gasoline having an end-boiling point of from about 600 to 650° F., subjecting said reflux condensate to relatively mild vapor phase cracking such as to effect not substantially in excess of 10% decomposition thereof per pass through the cracking zone, introducing the resultant products to said separating and fractionating zone, subjecting said heavier liquid product to mixed phase cracking under conditions adequate to produce



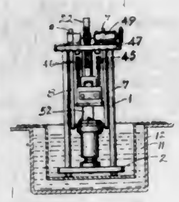
therefrom a greater quantity of gasoline than is formed by said vapor phase cracking, introducing vaporous products of the mixed phase cracking step to said separating and fractionating zone, independently subjecting said heavy gasoline fraction to cracking conditions adequate to enhance the anti-knock value thereof, and supplying resultant vaporous products to said second fractionating zone.

2,243,292
PILE DRIVER HAMMER COUNTERBALANCE
Thomas H. Settle, Upland, Calif.
Application September 14, 1939, Serial No. 294,945
7 Claims. (Cl. 61—73)



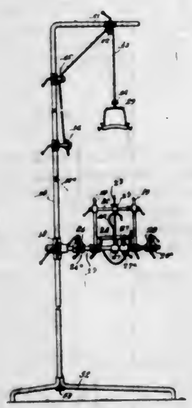
1. In pile driving apparatus, including a boom and a power driven hammer suspended therefrom, a bar suspended by one end from said boom, a plate slidably connected with said bar, means coupling said hammer with said plate, means limiting the sliding movement of said plate downwardly on said bar, and means supported by the boom and connected with the bar for effecting the raising of the bar and the plate with the hammer.

2,243,293
DIE CASTING MACHINE
Carl Stahl, Galesburg, Ill.
Application March 31, 1939, Serial No. 265,285
8 Claims. (Cl. 22—68)



1. In a die casting machine having an upright frame for its operative support and adapted to be partially submerged in a vat of hot casting metal, the combination comprising a double acting hot metal sleeve type pump and shaped to define a top outlet nozzle, a hot metal well about the nozzle to keep the same hot and an intermediate chamber for hot casting metal, a split-type adjustable casting die, and an adjustable support bracket therefor, and means for the selective operative vertical control movement of said die, said pump, and for the release of castings made thereby.

2,243,294
FRACTURE REDUCING DEVICE
Alexander L. Stearns, Chicago, Ill.
Application October 24, 1938, Serial No. 236,641
8 Claims. (Cl. 128—84)



3. In a hand-grasping device for applying traction to a forearm of a patient whereby the degree of flexion and extension of the hand may be controlled, a substantially rectangular hand-enclosing frame having means for clamping the fingers therein, a traction applying bail substantially in the plane of the hand and having its ends loosely hooked into slots in the transverse end walls of said frame, each of said slots having a series of notches therein to enable either or both ends of said bail to be adjusted on said frame transversely of said plane.

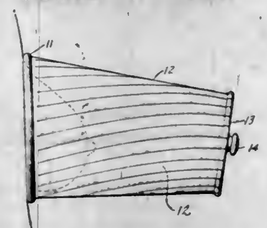
2,243,295
PROCESS FOR THE PRODUCTION OF N-SUBSTITUTED (ARYLALKYL) AMINES
Alfred G. Susie, Boston, Mass., and Henry B. Hass, West Lafayette, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application November 15, 1939, Serial No. 304,551
9 Claims. (Cl. 260—577)

1. In a process for the production of N-substituted(arylalkyl) amines, the steps which comprise condensing an aldehyde with an (arylhydroxyalkyl) amine, and subjecting the resulting condensation product to liquid phase catalytic hydrogenation.

2,243,296
FILTER ELEMENT AND METHOD OF MAKING THE SAME
Ernest J. Sweetland, Piedmont, Calif.
No Drawing. Application June 1, 1938, Serial No. 211,185
4 Claims. (Cl. 210—204)

1. A method of making a filter medium which comprises impregnating a fibrous material with an alkaline silicate, and then treating the filter medium thus impregnated with a chemical having a metallic base.

2,243,297
BUST EXERCISER
Avonne Taylor, New York, N. Y.
Application July 28, 1939, Serial No. 287,024
2 Claims. (Cl. 128—65)

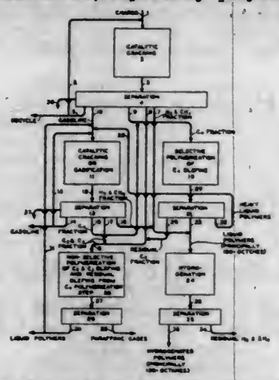


1. A device for personal use in treating one of the busts, comprising a collapsible container having a stiff ring at the top of a size to receive and fit about the bust, a water-tight substantially cylindrical diaphragm secured to the ring, a stiff closure member at the lower end of the diaphragm, the container when held pendently being adapted to receive and hold a substantial quantity of treating liquid and also to receive the bust when the user leans over and presses the ring against the periphery of the bust so that when the user assumes an upright position and continues to press the ring leakage is avoided and whereby upon pressing the closure member toward the bust the liquid contents may be agitated in the container against the bust received therein.

2,243,298
PROCESS FOR THE MANUFACTURE OF GASOLINE AND ISO-OCTANE
Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 24, 1939, Serial No. 258,255
Renewed May 31, 1940
8 Claims. (Cl. 196—10)

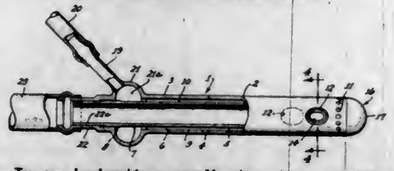
6. A conversion process which comprises crack-

ing hydrocarbon oil to produce lower boiling distillate, propene and butenes therefrom, separating the distillate, propene and butenes, subjecting the butenes to polymerization to produce isooctenes therefrom, separately polymerizing the



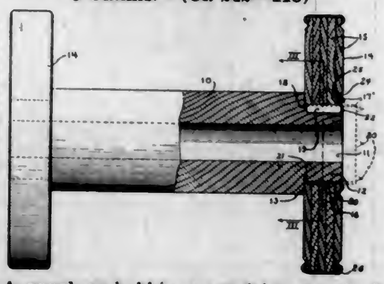
propene and combining resultant propene polymers with at least a portion of said distillate, gasifying the resultant mixture, at least in part, to produce additional butenes, and supplying the latter to the first-mentioned polymerizing step.

2,243,299
IRRIGATING APPLICATOR
Ellis Travers, West Los Angeles, Calif.
Application October 8, 1940, Serial No. 360,211
7 Claims. (Cl. 128—240)



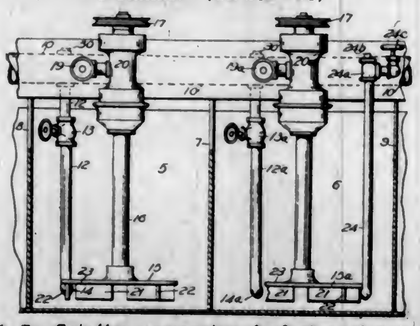
1. In an irrigating applicator, the combination which comprises: an outer barrel having a smooth outer surface for insertion in a body cavity, said barrel comprising forward and rearward abutting barrel members; an inner barrel extending within and longitudinally removable from said outer barrel and secured adjacent its rearward end to said rearward outer barrel member, the outer surface of said inner barrel being adapted to contact the inner surfaces of both of said outer barrel members at a plurality of points lying on a common cylindrical surface to maintain said abutting barrel members in alinement, the forward barrel member having a liquid discharge opening and a liquid return opening, the outer surface of said inner barrel and the inner surface of said outer barrel cooperating to form a liquid supply channel extending between said last-mentioned barrels and communicating with said liquid discharge opening, said inner barrel being provided with a liquid return opening adapted to aline with the first-mentioned liquid return opening to provide a liquid return passage communicating with the interior of the inner barrel, the outer surface of said inner barrel being in continuous contact with the inner surface of said forward outer barrel member around said liquid return passage; means associated with said rearward outer barrel member defining a liquid supply passage communicating with said liquid supply channel; means defining a liquid outlet passage communicating with the interior of said inner barrel member adjacent its rearward end; and a removable plug having a smooth exterior surface and engaging the forward ends of said barrels and closing the interior of said inner barrel and holding said outer barrel members in abutment.

2,243,300
SPOOL AND BOBBIN
George G. Tucker, Jr., Berwyn, Ill., assignor to Hubbard Spool Company, Chicago, Ill., a corporation of Illinois
Application December 2, 1939, Serial No. 307,224
3 Claims. (Cl. 242—118)



3. A spool or bobbin comprising a cylindrical barrel having a reduced end to form a neck and to leave a shoulder, a circumferentially extending recess in said neck adjacent to said shoulder, a sheet metal integral bushing in the form of a split ring receiving said neck and having a flange at its inner end engaging in said circumferentially extending recess whereby to be locked against axial displacement on said neck, the end of said bushing adjacent the split being deflected to form a longitudinally extending key and said neck having a keyway receiving said key whereby said bushing will be held against rotational displacement, and a head receiving said bushing and seating against said shoulder, the outer portion of said bushing being deflected against the outer side of said head whereby said head will be clamped to said shoulder.

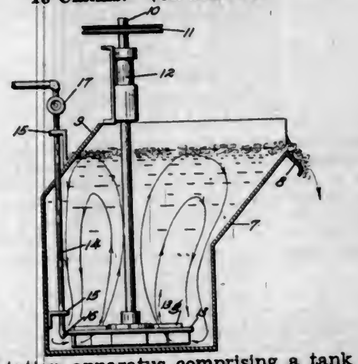
2,243,301
AERATION APPARATUS
Arthur J. Weinig, Golden, Colo., assignor to Morse Bros. Machinery Company, Denver, Colo., a corporation of Colorado
Application December 15, 1938, Serial No. 245,866
4 Claims. (Cl. 261—93)



1. In flotation apparatus, inclusive of a tank and in the lower portion thereof, a rotary impeller having vanes positioned to produce a combined pumping, slicing and striking action causing countercurrent movement of pulp across the

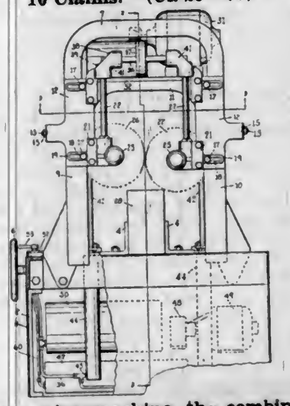
periphery of the impeller, the improvement which comprises a gas-delivery conduit having its discharge outlet at the periphery of the impeller.

2,243,302
MEANS OF TREATING LIQUIDS
Arthur J. Weinig, Golden, Colo., assignor to Morse Bros. Machinery Company, Denver, Colo., a corporation of Colorado
Application August 7, 1939, Serial No. 288,832
18 Claims. (Cl. 261—93)



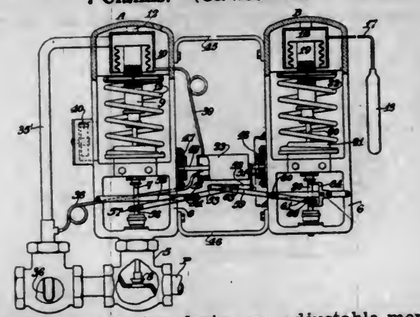
1. Flotation apparatus comprising a tank for fluent pulps, a rotary impeller in the tank for the treatment of matter therein, means for introducing gas into the body of material passing to the impeller for treatment, means on the impeller for drawing pulp and gas from beyond its periphery into the interior thereof, there being a discharge opening in the upper surface of the impeller and means disposed on the impeller cooperative with said first-named means to mix and force matter so drawn in upwardly through the discharge opening.

2,243,303
SAWING MACHINE
William F. Wells, Three Rivers, Mich.
Application December 6, 1937, Serial No. 178,254
10 Claims. (Cl. 29—70)



1. In a sawing machine, the combination of a bed provided with a work centering holder comprising opposed work clamps and a reversely threaded screw for simultaneously adjusting said clamps, upright ways, a carriage slidable on said ways and comprising way engaging slides and a cross piece at the upper ends thereof, saws provided with arbors, saw supporting brackets mounted on said carriage for adjustment to and from each other and provided with adjusting screws, the saws being disposed in the same plane and with one slightly in advance of the other and so that they coact to make a complete cut across the work, and means for driving said saws comprising a motor and a transmission mounted on said cross piece on said carriage, a countershaft having a gear thereon driven from said transmission, a pair of shafts driven from said countershaft and having beveled gear connections therewith and worm and pinion connections with said saw arbors, lower bearing brackets for said saw arbors and driven shafts mounted on said saw supporting brackets, and upper bearing brackets mounted on said saw supporting brackets and having bearings for the ends of said countershaft and the upper ends of said driven shafts.

2,243,304
SELF-ACTING REGULATOR
William M. Young, Athens, Ohio, assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application January 3, 1938, Serial No. 183,055
7 Claims. (Cl. 236—68)



1. In a regulating device, an adjustable member for governing the application of a regulating medium to maintain a predetermined condition, means including a closed fluid pressure system having therein a vaporizable liquid and its vapor for operating said member, said system including a boiler and a bodily movable reservoir discharging into said boiler, mechanism responsive to a deviation in said condition for moving said reservoir to discharge the liquid therefrom or to retain the liquid therein and thereby vary the relative amounts of said liquid and said vapor as a function of said deviation whereby said member is moved, and means controlled in response to each movement of said member for further varying the relative amounts of said liquid and said vapor whereby a further movement of said member in the opposite sense is effected.

2,243,305
POT-HOLDER
Karl F. Adler, Chicago, Ill.
Application August 30, 1939, Serial No. 292,577
2 Claims. (Cl. 294—34)

1. A device of the character described, having handle means provided with utensil holder means, comprising stationary knee holding means disposed in V formation co-acting with slidably operated clamping means mounted in said handle means, spring means mounted within said handle means, normally urging the said slidably operated clamping means to open posi-

tion with respect to the said knee holding means, spring adjusting means, comprising a slotted portion in said handle means, a plug member slidably mounted within said handle means and adjustably secured to said slidably operated clamping means, and trigger means securely at-

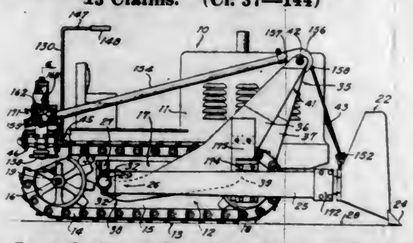


tached to one end of said slidably operated clamping means, the said slidably operated clamping means and the said knee holding means covered with resilient tubing adapted to increase their frictional grip upon the rim of a utensil.

2,243,306
POWER CONTROL FOR EARTH WORKING DEVICES

Albert Ashton, Los Angeles, Calif., assignor, by mesne assignments, to The Buckeye Traction Ditcher Company, Findlay, Ohio

Application January 17, 1938, Serial No. 185,270
13 Claims. (Cl. 37—144)



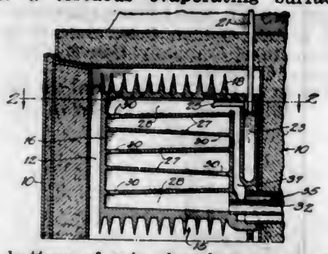
1. In a device of the character described, the combination of: a vehicle having a body structure and an undercarriage structure with ground engaging elements at the sides thereof vertically movable relative to said body structure; tool means supported at an end of said vehicle so as to be moved upwardly and downwardly relative to the ground; a sheave member mounted on one of said ground engaging elements near to said tool means and so as to move therewith as the same moves relative to said body structure; a cable connected to said tool means and running over said sheave member, a cable actuating member mounted on said vehicle; a second sheave member movably mounted on said body structure in operative position relative to said cable actuating member, said cable running from said first sheave member to said cable actuating member; and cable guide means guiding said cable from one of said sheaves to the other and connecting said sheave members together so that said second sheave member will move in response to movement of said first named sheave member.

2,243,307
EVAPORATOR

Jackson Lee Campbell, Wichita, Kans., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Original application September 20, 1929, Serial No. 394,011. Divided and this application June 6, 1939, Serial No. 277,616
5 Claims. (Cl. 62—126)

1. In combination in a refrigeration unit, a casing having a well formed integrally therewith, means for introducing liquid refrigerant into said well and overflow means discharging therefrom, an evaporating chamber in said casing having means positioned to receive refrigerant from said overflow means and formed to provide a tortuous evaporating surface from

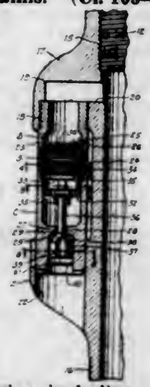


top to bottom of said chamber, means for conducting an inert gas to the top of said chamber, and a conduit for discharging mixed refrigerant and inert gas from said chamber and constituting the sole outlet therefrom, said gas conducting means and said discharge means being disposed in heat exchange relation.

2,243,308
FLOW VALVE

Charles S. Crickmer and Hans C. Glitsch, Dallas, Tex., assignors to Merla Tool Company, Dallas, Tex., a firm of Texas

Application November 8, 1937, Serial No. 173,305
3 Claims. (Cl. 103—233)



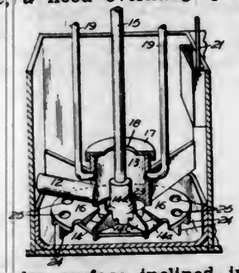
1. A flow device including, a tubular body adapted to be connected in a tubing string and having a passage for establishing communication between the interior and exterior of the tubing, means for controlling the admittance of a lifting fluid to the tubing and exposed to the lifting fluid pressure, and a pressure responsive means having connection with said control means and exposed to the pressure in the interior of the tubing, the connection between the pressure responsive means and the control means being such that a movement of the first means moves the second means in the opposite direction to admit the lifting fluid into the tubing.

2,243,309
FLOTATION APPARATUS

Arthur C. Daman and Leland H. Logue, Denver, Colo., assignors to Mining Process and Patent Company, Denver, Colo., a corporation of Delaware

Application November 25, 1938, Serial No. 242,334
15 Claims. (Cl. 261—93)

1. In flotation apparatus, a rotary shaft, an impeller disc on the shaft, radial blades on the upper surface of the disc having their top surfaces downwardly inclined toward the periphery of the disc, a hood overhanging the impeller

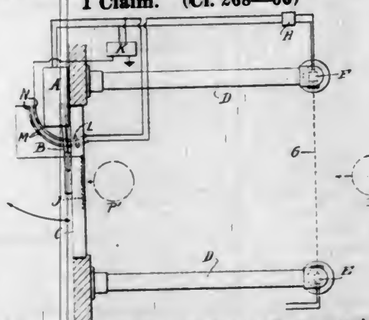


with its under surface inclined in converging relation to the periphery of the disc, and radially disposed vanes on the hood depending in the plane of the impeller.

2,243,310
ELECTRONIC CONTROL FOR DOORS AND OTHER MACHINES

George C. Devol, Jr., St. Albans, N. Y., assignor, by mesne assignments, to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York

Application October 5, 1937, Serial No. 167,397
1 Claim. (Cl. 268—66)



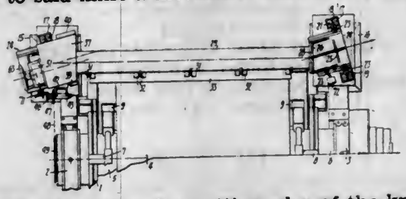
In combination with a door, a door opening and closing mechanism normally holding the door in closed position, electrically operated means for controlling said mechanism including a light beam and a photo-electric cell effective on interruption of the beam, and a body capacity electrical safety means preventing undesirable closure of the door including an electrode; together with switching connections controlled by the door for cutting out the photo-electric cell circuit and cutting in the electrode of the body capacity control circuit when the door is substantially open, and for cutting in the photo-electric cell circuit and cutting out the electrode of the body capacity control circuit as the door moves toward closed position.

2,243,311
FILTER

Edward C. Ditzen, San Leandro, Calif., assignor to Oliver United Filters Incorporated, San Francisco, Calif., a corporation of Nevada

Application April 23, 1938, Serial No. 203,854
8 Claims. (Cl. 210—201)

1. A filter comprising: a supporting member; a layer of comminuted filtering material carried on said supporting member; a knife supported adjacent said layer of filtering material with its cutting edge parallel thereto; and means for imparting to said knife a movement which has a com-

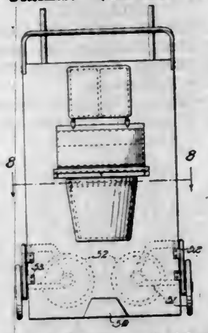


ponent parallel to the cutting edge of the knife and a component perpendicular to said cutting edge and toward said filtering material so as to bring said knife into cutting relation therewith.

2,243,312
RACK

Albert E. Fiala, Chicago, Ill.

Application February 5, 1940, Serial No. 317,336
2 Claims. (Cl. 280—53)

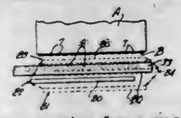


1. A utensil rack for household use, including a body, wheels on the lower part of said body for locomotion, and a counterbalancing weight secured to said body below the axis of said wheels to maintain said rack in substantially vertical position.

2,243,313
LOADING DEVICE

James L. Herold, St. Louis, and Frederick W. Wehmiller, Ladue, Mo., assignors to Barry-Wehmiller Machinery Company, St. Louis, Mo., a corporation of Missouri

Application June 28, 1938, Serial No. 216,316
5 Claims. (Cl. 198—31)



1. In a loading device for a machine having an entrance for a row of articles, a constantly moving conveyor for transmitting articles adjacent said entrance, a push bar movable in an oblique path across the conveyor to shift a row of articles toward said entrance, and means for guiding the push bar in said oblique path while advancing said push bar longitudinally of the conveyor at a speed conforming approximately to the speed of the conveyor, said means comprising a reciprocal carriage, a support for said push bar movable with said reciprocal carriage and slidably mounted thereon to provide for movement transversely of the path of the carriage, a guide

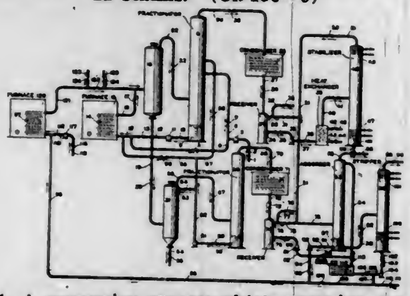
member secured to said support, and a cam for directing said guide member in an oblique path during a movement of the reciprocal carriage.

2,243,314
POURING RING FOR SEALING PIPES
Walter Kelley, Van Nuys, Calif.
Application January 22, 1940, Serial No. 314,935
4 Claims. (Cl. 25—127)



1. In a pouring ring for sealing pipes, a split ring including a plurality of joined sections of which one is inherently flexible to serve as a hinge permitting of separation of the ends of the ring, and the other sections are inherently non-flexible, portions of the opposed faces of said ends being circumferentially spaced apart to form a pouring opening and the remainder of said end faces being disposed to abut one another to form a wall for one side of said pouring opening.

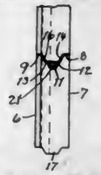
2,243,315
CONVERSION OF HYDROCARBON OILS
Bernard L. Kramer, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 30, 1937, Serial No. 182,432
11 Claims. (Cl. 196—9)



1. A conversion process which comprises cracking hydrocarbon oil under pressure and separating the resultant products under pressure into vapors and unvaporized oil, fractionating and condensing the vapors to form a light distillate and separating the latter from normally gaseous hydrocarbons, flash distilling said unvaporized oil by pressure reduction, fractionating the resultant flashed vapors independently of the first-mentioned vapors to condense heavier fractions thereof, finally condensing the fractionated flashed vapors to form a highly olefinic distillate containing a substantial proportion of gasoline boiling hydrocarbons, scrubbing normally gaseous hydrocarbons formed by the cracking and separated from said light distillate with an absorber oil consisting essentially of highly olefinic distillate resulting from the final condensation of said fractionated flashed vapors to absorb in the olefinic distillate polymerizable olefins present in said gaseous hydrocarbons, and separately removing the enriched absorber oil and the unabsorbed gases from the scrubbing step.

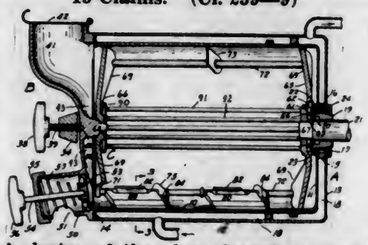
2,243,316
BUILDING BLOCK
Lawrence C. Larsen, San Francisco, Calif.
Application February 28, 1940, Serial No. 321,225
1 Claim. (Cl. 72—38)

A building block having a body of rectangular form, a pair of the opposite sides of the block being respectively longitudinally grooved and ribbed with the bottom wall of the groove and the outer face of the rib lying in the longitudinal median line of the block, the block having a reinforcing rod-receiving opening extending therethrough and extending through the grooved and ribbed sides and a semi-circular groove in each of the



other sides of the block parallel with said opening, said opening and semi-circular grooves being laterally of and contiguous with the aforesaid groove and rib whereby reinforcing rods positioned in said semi-circular grooves and opening, and laterally engaged with a reinforcing rod in the first-named groove, may be anchored to said last-named reinforcing rod.

2,243,317
COUNTER FREEZER
Louis A. M. Phelan, Rockton, Ill.
Application April 1, 1939, Serial No. 265,567
15 Claims. (Cl. 259—9)



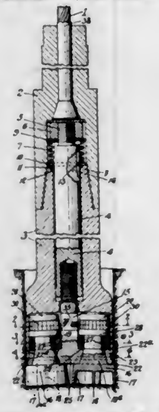
1. A device of the class described comprising in combination, an evaporator chamber, a rotatably mounted mixing rotor in said chamber, said mixing rotor comprising end members being secured together by means of spaced rods which are positioned near the periphery thereof, two or more scraper blades hingedly mounted on certain rods, two or more beaters rotatably mounted on said end members, said beaters comprising spaced discs being secured together by a number of rods, shafts upon which said discs are rotatably mounted and their ends being slidably supported in said end members with means whereby the turning of said rotor will cause said discs to yieldingly hug the wall of said chamber and be friction driven thereby.

2,243,318
LAMINATED MAGNETIC ELEMENT
George William Rawlings, Willow Meer, Kenilworth, England
Application October 27, 1938, Serial No. 237,290
In Great Britain November 1, 1937
11 Claims. (Cl. 171—252)



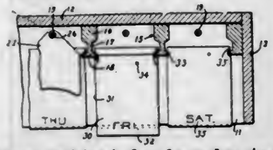
1. A laminated magnetic element for an impregnated magnetic core comprising a plurality of laminations nested one within another, the laminations having pole pieces which form poles each of which has a pole surface, said pole pieces being inclined to the pole surface and having their ends bevelled so as collectively to form such pole surface, each lamination being substantially of the form of a conical cup with castellated side.

2,243,319
DRILLING DEVICE
Warren A. Ross, Haverhill, Mass., assignor to Donald M. Carter, Chicago, Ill.
Application April 5, 1938, Serial No. 200,211
8 Claims. (Cl. 255—71)



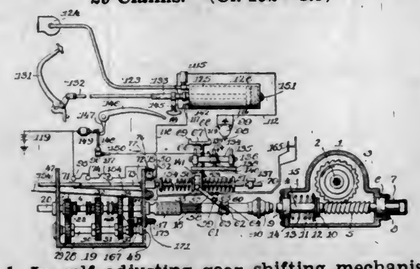
1. A drilling device comprising a cutter head, a cutter holder connected with the cutter head, a cutter separate from the cutter holder, a connection between the cutter and the cutter holder, and a cushion member interposed between the cutter and that portion of the cutter holder with which the cutter is connected.

2,243,320
TAG CABINET
Hartley M. Sears, Pasadena, and Sam Rothenberg, Los Angeles, Calif.; said Rothenberg assignor to Harry S. Lipton, Los Angeles, Calif.
Original application December 2, 1936, Serial No. 113,778. Divided and this application October 25, 1937, Serial No. 170,842
3 Claims. (Cl. 211—50)



1. A holding cabinet for laundry tags having opposed notches adjacent one end, including a bottom, a pair of ends, a back and a plurality of vertically extending partition members forming compartments, said partition members extending forwardly from the rear of the cabinet towards the front and having their outer ends spaced from the plane of the front, said partition members being notched on both sides near their outer ends to provide grooves to receive the ends of the tags, said grooves defining tongues at the outer ends of the partition members to engage the notches of the tags to be thereby retained.

2,243,321
SELF-ADJUSTING GEAR SHIFTING MECHANISM
Elwood E. Smith, Chicago, Ill.
Application November 22, 1937, Serial No. 175,899
29 Claims. (Cl. 192—3.5)



1. In self-adjusting gear shifting mechanism, a clutch, a driven element, a driving shaft for driving said driven element and bodily movable by the load resistance between said element and shaft, a movable element caused to move by the bodily movement of said shaft, gear shifting mechanism, means for causing operation of said gear shifting mechanism from said movable element, and an electrical system of controls coordinating the operations and regulating the sequences of the gear shifting mechanism, said electrical system being controlled by the movement of said shaft, and including means for throwing out the clutch when the gears are shifted.

2,243,322
RESILIENT SECURING DEVICE FOR BEAD TRIM
John H. Van Uum, Lakewood, Ohio
Application July 16, 1936, Serial No. 90,901
2 Claims. (Cl. 24—73)

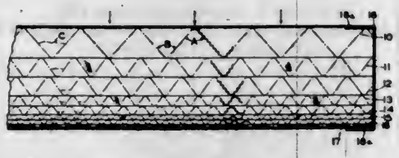


2. A snap fastener device of the class described formed entirely from a single piece of spring metal for securing two apertured members together, one portion of said device having a pair of bowed legs connected at one end and converging into close proximity at the other end, and another portion comprising two parts each formed as a continuation from one of said closely proximated ends upwardly and outwardly from the respective leg, then downwardly toward the leg, the legs being adapted to engage in the aperture of one of the apertured members and the downwardly extending parts being adapted to engage in the aperture of the other apertured member and the closely proximated ends acting as fastener tension controlling means as and for the purposes described.

2,243,323
UNIT FILTER
George M. Walton, Cleveland Heights, and Clarence J. Glanzer, Lakewood, Ohio, assignors to Air-Maze Corporation, Cleveland, Ohio, a corporation of Delaware
Application June 7, 1939, Serial No. 277,836
5 Claims. (Cl. 183—69)

1. A unit filter for placement in a dirt-bearing fluid stream, said filter having a plurality of layers of corrugated screens, each screen extending generally in a plane transverse to the direc-

tion of stream travel, and the corrugations being progressively shallower in screens from the up-



stream side to the downstream side of said unit in such proportion that the screens become clogged with dirt at approximately equal rates.

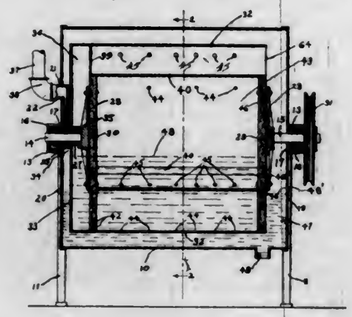
2,243,324
SUBSTITUTED PYRAZOLONES
James Horace Williams, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 15, 1940, Serial No. 319,081
8 Claims. (Cl. 260—310)

1. The compounds represented by the following general formula:

$$R—Ar—SO_2—Pz$$

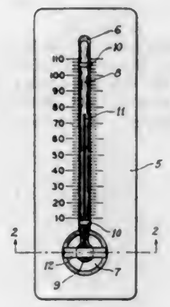
in which R represents a member of the group consisting of nitro, amino, alkylamino, acylamino, mono-aldose-amino and sodium formaldehyde sulfoxylate amino groups, Ar represents a member of the group consisting of p-phenylene and p-phenylene sulfonamido p-phenylene and Pz represents a pyrazolone group which contains no primary or secondary extra-cyclic nitrogen atoms and which is directly linked to the sulfonyl group through a cyclic nitrogen atom.

2,243,325
WASHING MACHINE
George A. Windell, Kansas City, Mo.
Application June 20, 1938, Serial No. 214,668
6 Claims. (Cl. 68—58)



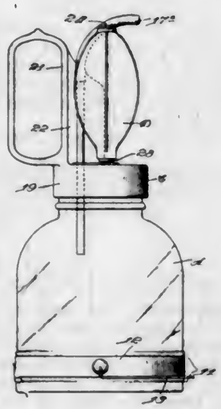
3. In a washing machine, an outer casing, a cylinder mounted for rotation within said casing providing a washing chamber, means for introducing cleaning fluid into said chamber only at one end thereof and only from externally of said casing, means for discharging cleaning fluid from said cylinder into said casing, comprising hollow ribs open only at one end to said casing and having openings therein leading from said chamber, and means for withdrawing the cleaning fluid discharged into said casing therefrom.

2,243,326
THERMOMETER
Harry D. Bolton, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application May 10, 1940, Serial No. 334,420
2 Claims. (Cl. 73—376)



2. In a thermometer, a thermometer support having an aperture therethrough defined by a tapered side wall, a thermometer stem and bulb mounted adjacent the front surface of said support with said bulb registering with said aperture, and a bulb guard extending across said aperture adjacent the front surface of said support, said guard having legs conforming to the taper of the side wall of the aperture and frictionally engaging said side wall, said legs having free ends provided with lugs engaging the rear surface of said support.

2,243,327
BLOOD TRANSFUSION APPARATUS
Warren B. Cooksey, Detroit, Mich.
Application July 22, 1937, Serial No. 155,133
5 Claims. (Cl. 128—214)



1. In blood transfusion apparatus, a container having an opening, a closure for the opening, said closure having two passages therethrough, a tube extending through one passage and having a portion extending above the closure and adapted to engage an inlet tube, and a limited-suction man-

ually-operated device connected to the other of said passages, said container being adapted to be supported in inverted position and in which position said first-mentioned tube is adapted to be pressed into the interior of said container whereby it can serve as an air inlet tube.

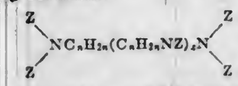
2,243,328
NAIL FILE
Patrick J. Cummings, Attleboro, Mass.
Application September 8, 1938, Serial No. 228,939
1 Claim. (Cl. 132—75.6)



In a device of the character described, a pair of spaced casing members, a back member positioned between said members, and fixedly riveted with relation thereto adjacent one end thereof, said back member having the extreme end portion thereof adjacent its fixed end reduced in thickness an amount to provide a space between the casing and said extreme end portion, said extreme end portion being substantially the width of the adjacent portions of the casing members, a file member having an extreme end portion located in said space and of a thickness to substantially fill said space and of a width to be substantially flush with the adjacent outer edge surfaces of said back and casing members, and rivets extending through said file member, back, and casing members to hold these parts in fixed relation, and shell cover members enveloping the outer and edge surfaces of said casing members.

2,243,329
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Charles M. Blair, Jr., Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application June 27, 1940, Serial No. 342,727
11 Claims. (Cl. 252—341)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier consisting of a basic type acylated polyamine of the following formula:



in which n represents a small whole number varying from 2 to 10; x is a small whole number varying from 1 to 10; Z is a member of the class consisting of H, RCO, R'CO, and D, in which RCO represents an acyl radical derived from a higher molecular weight carboxy acid; R'CO is an acyl radical derived from a lower molecular weight carboxy acid having 6 carbon atoms or less; and D is a member of the class consisting of alkyl, hydroxyalkyl, aminoalkyl, and acyloxyalkylene, in which instance the acyl group is a member of the class consisting of RCO and R'CO; and the acylated polyamine is further characterized by the fact that there must be present a member of the class consisting of (*a*) acyloxyalkylene radical in which the acyl group is RCO; and (*b*) joint occurrence of an amido radical in which the acyl group is RCO and a hydroxyalkyl radical.

2,243,330
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application June 27, 1940, Serial No. 342,733
12 Claims. (Cl. 252—331)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifying agent comprising a water-soluble, surface-active, polyglycol ether derived by reacting an alkylene oxide with an alkylated monocyclic, monohydric, water-insoluble phenol, characterized by the fact that the nuclear carbon atom-alkyl radical linkage involves a tertiary carbon atom of the alkyl group, and additionally characterized by the fact that the longest alkyl radical carbon atom chain beginning with the linkage tertiary carbon atom as unity, contains at least three carbon atoms and not more than five carbon atoms.

2,243,331
SULPHONATE
Martin de Simo, Piedmont, and John J. O'Connor, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 29, 1939, Serial No. 292,444
10 Claims. (Cl. 260—513)

1. A sodium salt of a primary aliphatic monosulphonic acid containing less than 20 carbon atoms per molecule in which at least ten carbon atoms are in a straight chain having the sulphur atom of the sulphonate group directly attached to a saturated carbon atom which is joined directly to an olefinic carbon atom.

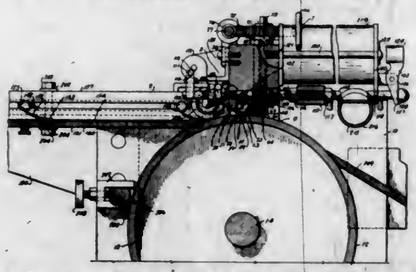
8. A process for producing an allyl type sulphonate containing at least five carbon atoms per molecule which comprises oxidizing a mercaptan having at least five carbon atoms per molecule and a thiol group attached to a saturated tertiary carbon atom which is joined directly to an olefinic carbon atom under conditions at which oxidation of the thiol group to a sulphonic acid group takes place without substantial rupture of the mercaptan.

2,243,332
SULPHONIC COMPOUND
Martin de Simo, Piedmont, John J. O'Connor, Oakland, and George S. Parsons, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 29, 1939, Serial No. 292,445
17 Claims. (Cl. 260—513)

1. A sodium salt of a secondary aliphatic monosulphonic acid containing at least eight and less than 21 carbon atoms in a straight hydrocarbon chain having the sulphur atom of the sulphonate group directly attached to a carbon atom to which a double bond at least once removed from the terminal carbon atom is also attached.

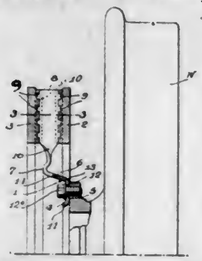
16. A process for producing a sulphonate which comprises reacting a vicinal dihalide having at least four carbon atoms in an aliphatic chain with an alkali sulphite at a temperature between about 100° C. and the decomposition temperature of said halide.

2,243,333
APPARATUS FOR FORMING OR COATING SHEETS AND THE LIKE
Alfred J. Diescher, Winfield, Kans.
Application July 26, 1937, Serial No. 155,669
15 Claims. (Cl. 91-1-30)



8. In a coating machine, coating and platen members, means supportingly spacing said members to pass an article to be coated therebetween while supported on the platen member and to leave a predetermined film space between the coating member and the surface to be coated, said coating member having the entry side shaped to substantially close the entry side of said space, and means for feeding a coating material into said film space to form a coating film on the surface of said article.

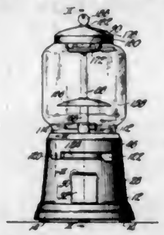
2,243,334
BRAKE DISK
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 31, 1939, Serial No. 276,577
10 Claims. (Cl. 188—218)



1. A composite brake disk comprising a central web of wrought metal having vanes integral therewith and extending at an angle to the general direction of the said web, and a cast metal ring having a generally radially extending braking face, said ring being cast around the adjacent lateral margins of said vanes to form a unitary structure therewith.

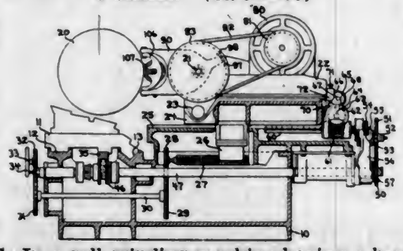
2,243,335
VENDING MACHINE
Clarence E. Elliott, Kansas City, Mo., assignor to Hamilton Enterprises, Inc., Kansas City, Mo., a corporation of Missouri
Application June 26, 1939, Serial No. 281,181
17 Claims. (Cl. 221—108)

1. In a vending machine of the character described, a pedestal having a delivery chute formed thereby; a feeder having an outlet port therein rotatably mounted on the pedestal for movement to and from a position where the outlet port is in communication with the said delivery chute; a magazine for articles being vended; a stationary plate between the feeder and said magazine, said plate having holes therethrough for the passage of said articles; and an inclined floor in the



feeder positioned to travel beneath the hole in said plate as the feeder is rotated, said floor having its highest portion in register with the hole when the outlet port of said feeder is in communication with the said delivery chute.

2,243,336
ROLL GRINDING MACHINE
Carl G. Flygare, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application July 12, 1940, Serial No. 345,187
6 Claims. (Cl. 51—95)

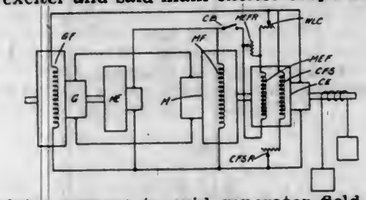


1. In a roll grinding machine having a base, a longitudinally reciprocable work table, a rotatable work support on said table, a transversely movable slide, a lapping attachment adjustably supported on said slide, a pivotally mounted frame on said attachment which is pivoted on an axis at substantially right angles to the axis of the work support, a normally stationary lapping element adjustably mounted on said frame, means to traverse said table longitudinally, and a crowning mechanism which is actuated by and in timed relation with the longitudinal traversing movement of the table to rock said wheel head so as to maintain said lapping element in uniform engagement with the crowned surface of the roll being lapped.

2,243,337
MOTOR CONTROL SYSTEM FOR ELECTRIC WINDING GEAR
Henry Freeman, Mysore State, Southern India, assignor of one-half to The Kolar Mines Power Station, Limited, London, England
Application September 30, 1937, Serial No. 166,703
In Great Britain December 5, 1936
10 Claims. (Cl. 172—239)

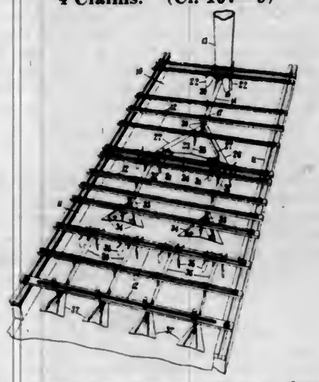
1. Electric winding gear comprising a motor, a generator supplying current to said motor and having a field winding, a main exciter, control means including a variable resistance, said main exciter supplying field excitation current to said motor and through said control means to said field winding, and a control exciter coupled to

said motor and adapted to run at a speed proportional thereto, said control exciter being connected electrically to said field winding, said control exciter and said main exciter cooperating in



supplying current to said generator field winding, said control exciter having two field windings, one of which is connected with the output thereof and the other of which is connected with the output of said main exciter.

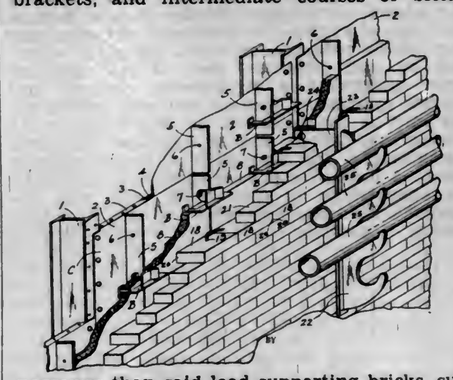
2,243,338
DIVIDING DOUGH AND THE LIKE
Laurence Seymour Harber, Peterborough, England, assignor to Baker Perkins Incorporated, Saginaw, Mich.
Application November 16, 1940, Serial No. 365,904
In Great Britain March 17, 1939
4 Claims. (Cl. 107—9)



1. In apparatus for severing a dough piece into a plurality of dough pieces comprising a traveling conveyor and stationary severing means positioned lengthwise of said conveyor, in combination, neck control means provided at the delivery end of said severing means consisting of stationary divergent inclined surfaces closely adjacent the conveyor surface at their lower margins and at their forward extremities extending substantially to the lateral planes of the severing means for engagement by the severed dough portions, said surfaces co-operating with the conveyor to turn the dough pieces delivered from the severing means so that their severed necks are downward upon the conveyor.

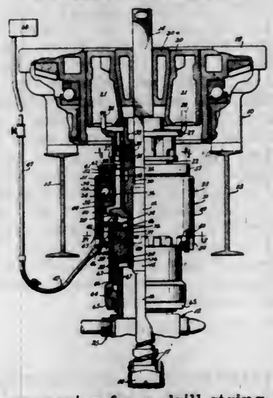
2,243,339
REFRACTORY WALL CONSTRUCTION
John H. Henzel and Edmund T. Heinrich, Cleveland, Ohio
Application June 10, 1939, Serial No. 278,511
13 Claims. (Cl. 72—101)

1. In a wall structure of the type described, the combination of a casing having a plurality of spaced vertical ribs extending inwardly therefrom, a plurality of brick supporting brackets secured to said ribs and arranged in vertically spaced horizontal rows, courses of load supporting bricks supported by each of said rows of brackets, and intermediate courses of bricks,



narrower than said load supporting bricks, substantially filling the spaces between said load supporting courses.

2,243,340
ROTARY BLOWOUT PREVENTER
Frederic W. Hild, Los Angeles, Calif.
Application May 23, 1938, Serial No. 209,540
5 Claims. (Cl. 255—1)

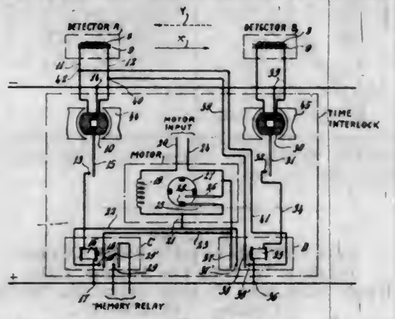


1. In a preventer for a drill string, adapted to be associated with a rotary drilling machine, a rotatable bushing having packing adapted to seal on said string, a stationary packer for sealing on the rotative bushing and having anti-friction bearing means arranged to allow substantial displacement of the rotative bushing in any direction, said rotative bushing having engaging means adapted to engage a rotative member of the rotary machine in a manner to permit said displacement.

2,243,341
DIRECTIONAL TRAFFIC CONTROL SYSTEM
Paul P. Horni, Newark, N. J.
Application August 26, 1938, Serial No. 226,863
2 Claims. (Cl. 177—337)

1. In a traffic signaling system of the vehicle actuatable type for the directional discrimination of traffic control, a first vehicle responsive electric detector adapted to produce an electrical impulse when a vehicle acts thereon, a second vehicle responsive electric detector, said detec-

tors being positioned in a highway traffic lane in spaced relation with said second detector positioned subsequent to said first detector in the normal direction of traffic in said lane, a first and a second electrodynamic actuator unit respectively connected to and adapted for actuation by said detectors, each of said actuator units comprising a displaceable element and further comprising contact sets and means actuatable by displacement of said element for closing said contact sets, a rotatable vane unit comprising a hub and a set of vanes radially mounted thereon, said vane unit being positioned for engagement of said vanes with said displaceable elements respectively as said vane unit rotates, a variable speed electric motor driving



said vane unit, a traffic signal control circuit connected to one contact set of said first actuator unit, connections to one contact set of said second actuator unit for short-circuiting the connection of said first detector to said first actuator unit, the second contact sets of said actuator units being connected for closing the supply circuit of said motor, said vane unit comprising means for retaining closed for a short predetermined interval the supply circuit of said motor after a starting impulse has been applied thereto by a said second contact set, whereby a vehicle travelling in the normal direction of traffic actuates said control circuit, but a vehicle travelling against the normal direction of traffic above a minimum predetermined speed has no effect on said control circuit.

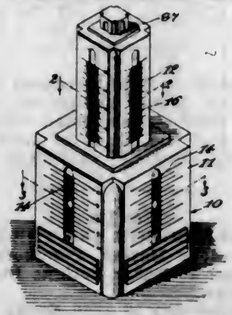
2,243,342
PEN AND METHOD OF MANUFACTURING THE SAME
Raymond S. Huss, Bala-Cynwyd, and Roy E. Stroh, Philadelphia, Pa., and Joseph M. Ashmore, Palmyra, N. J., assignors to The Turner & Harrison Steel Pen Manufacturing Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application February 15, 1939, Serial No. 256,484
6 Claims. (Cl. 113—32)



1. A pen having a folded over point, and oppositely disposed bosses formed on said folded over portions, said bosses being of different sizes.

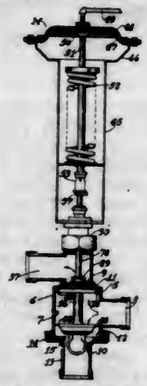
2. A method of manufacturing a pen point which includes the forming of a concavo-convex boss in the tip portion, and bending the tip at a point intermediate the ends of said boss so that the tip portion is bent back into engagement with itself whereby convex writing surfaces are formed on the upper and lower surfaces of the tip of said pen point.

2,243,343
CLOCK
Howard Johnson, Brooklyn, N. Y.
Application May 10, 1939, Serial No. 272,824
14 Claims. (Cl. 58—125)



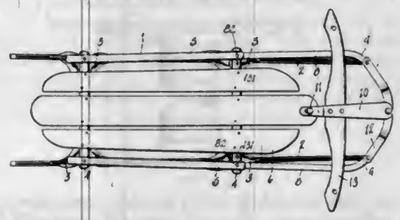
1. A clock of the type described, comprising two pairs of moving elements, the elements of each pair having cooperating formations providing a locus moving steadily vertically upwardly as the elements are moved, the moving locus of one set of elements indicating the passage of hours, and the moving locus of the other set indicating the passage of minutes.

2,243,344
FLOW DIVERSION VALVE SYSTEM
George Karst, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application April 22, 1939, Serial No. 269,437
2 Claims. (Cl. 277—42)



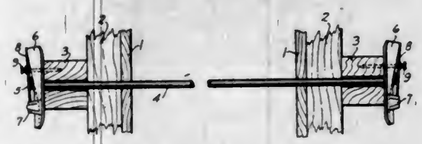
1. In a device of the character described, a valve body including a valve chamber provided with an inlet opening and an outlet opening, a conical valve seat formed in said body at one of said openings, said seat having an aperture therein communicating with the exterior of said body and located intermediate the edges of said seat, means for normally closing said aperture, a valve member movable into engagement with and out of engagement with said seat, said valve member having spaced conical surface portions complementary to said conical seat and engageable with said seat at opposite sides of said aperture to provide a double seal, the portion of the surface of said valve member between said conical surface portions being recessed to provide an annular space communicating with said aperture when said valve member is in engagement with said seat, said means being movable by said recessed portion of said valve member to open said aperture on engagement of said valve member with said seat.

2,243,345
SLED
William E. Kidder, Kalamazoo, Mich., assignor to Kalamazoo Sled Company, Kalamazoo, Mich.
Application August 12, 1940, Serial No. 352,267
6 Claims. (Cl. 280—22)



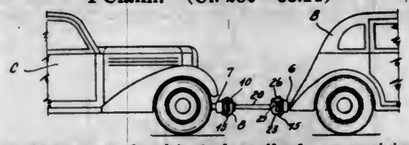
4. In a sled having the top boards and raves rearwardly and downwardly inclined relative to the runners thereof, said boards and raves being supported by benches extending transversely of and secured to knees on the sled runners, a pair of metal links pivotally and slidably connected on opposite sides of the sled to the raves and front benches, and being disposed substantially horizontal and parallel to the runners, a cross bar extending between the forward upturned ends of the runners and connected to the runners and forward ends of the links, said cross bar being upwardly arched at an intermediate portion thereof, and a steering lever pivoted on one of said top boards and the cross bar at said intermediate arched portion, the upward curvature of said cross bar bracing the same vertically and enabling the gradual upward and forward line of inclination of the raves, top boards, and steering lever to be maintained.

2,243,346
WALL TIE FOR CONCRETE FORMS
Carl A. Kinninger, Dayton, Ohio
Application July 17, 1939, Serial No. 284,849
14 Claims. (Cl. 254—104)



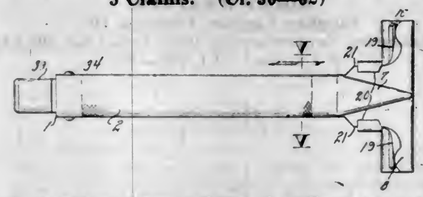
1. For use with a concrete form tie rod, a longitudinally slotted wedge for straddle engagement with a tie rod intermediate a form structure and a protuberance on the rod for subjecting the rod to tension strain by adjustment relative to the rod, and which wedge in its adjusted position is secured to the form wall, a seat on said wedge for an abutment lever, an abutment lever engaged with said seat against which a portion of the rod abuts and which resists compression strains upon the rod, and means for securing the abutment lever in its rod resisting relation.

2,243,347
TOW BAR FOR AUTOMOBILES
Cletus A. Klein and Boyd H. Russell, Caro, Mich.
Application June 14, 1939, Serial No. 279,025
1 Claim. (Cl. 280—33.14)



A device of the kind described, comprising a pair of clamps, each having opposed jaws, a single tow bar connecting said clamps the rear end being provided with a ball for universal connection to the rear clamp, the front end having pivotal connection with the front clamp for pivotal movement in a vertical direction only, the ends of the bar being connected at a point intermediate of the jaws, for effecting draft strain from the bar centrally of said clamps in a horizontal direction and at angularity of the latter, each clamp including a substantially L-shaped double arm member and an adjustably pivoted member carried by one arm thereof, the other arm of said L-shaped member being formed with a clearance intermediate with respect to the jaws of the clamp for receiving the end adjacent thereto of the bar, and means connecting the bar and clamps together at the interfitting points thereof.

2,243,348
RAZOR
Ed Laxo, Toledo, Ohio
Application May 31, 1940, Serial No. 337,961
5 Claims. (Cl. 30—62)

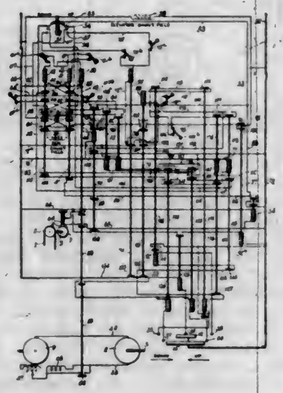


1. A safety razor tubular handle convex and converging on one side toward a diametrical extension terminus intersecting an axis and there forming a seat limit with said seat inclined therefrom toward the handle, said seat adapted to receive a blade having its back at said axis diameter limit and its edge approximate tangency to said handle as clearing the inclined seat, said tubular handle providing a guide, and a slide in said guide adapted to thrust toward the seat to hold the blade in the seat.

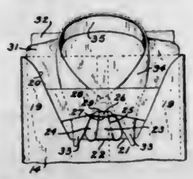
2,243,349
SYSTEM OF ELEVATOR CONTROL
Arthur J. Liebenberg, Cincinnati, Ohio, assignor to The Warner Elevator Mfg. Company, Cincinnati, Ohio, a corporation of Ohio
Application May 15, 1939, Serial No. 273,639
14 Claims. (Cl. 187—29)

1. A control system for elevators and the like, comprising, a car, electric driving means for said car, reversing switches for controlling said driving means, resistances in a circuit with said driving means for controlling the acceleration and deceleration of said driving means, electromagnetically operated control switches for controlling said resistances, a manually operated car switch for controlling said reversing and control

switches to start and accelerate the car, electro-magnetically operated control switches for controlling said reversing and resistance control switches after the car has started, and a car operated switch for sequentially controlling the circuits to said second electro-magnetically operated control switches to control said resistances in steps at determined distances of car travel from a floor stop to decelerate the car and finally to control said reversing and resistance control switches to bring the car to a stop at the floor level.



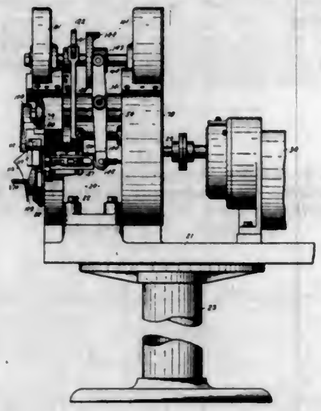
2,243,350
SHIRT WRAPPER
Stephen Lighter, Chicago, Ill.
Application September 22, 1939, Serial No. 296,016
2 Claims. (Cl. 229—87)



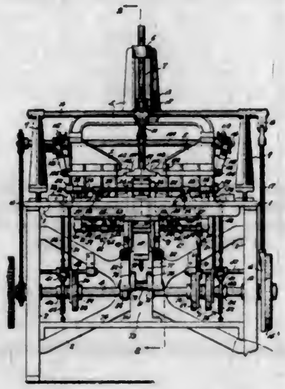
1. A shirt wrapper comprising, a retaining band formed to snugly embrace a folded shirt transversely below the collar and having its opposite ends formed for inter-connection at the rear of the shirt, a relatively narrow panel projecting upwardly from the center of the front section of the band and having guide tabs at its opposite sides engaging and supporting the front portions of the collar adjacent to the lapels so as to maintain said collar portions away from the collar band, and an elongated flexible transverse plate connected at its lower central part to the upper end of said panel, said plate being foldable within the collar band.

2,243,351
RING FORMING MACHINE
Edward N. Lowry, Syracuse, N. Y.
Application August 23, 1939, Serial No. 291,595
10 Claims. (Cl. 153—2)

1. A machine for continuously forming ring members of a desired cross section from a flat strip comprising means operable to continuously advance said strip and to form said strip into a circular portion and of the desired cross section, cutter means operable to sever the circular portion from the strip during such continuous advancement thereof and to interlock the ends of said circular portion.

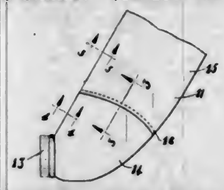


2,243,352
PAPER CONTAINER FORMING MECHANISM
Kenneth W. Macdonald, Watertown, and Oskar W. Wikstrom, West Newton, Mass., assignors to United States Automatic Box Machinery Co., Inc., Roslindale, Mass., a corporation of Massachusetts
Application October 8, 1940, Serial No. 360,212
20 Claims. (Cl. 93—51)



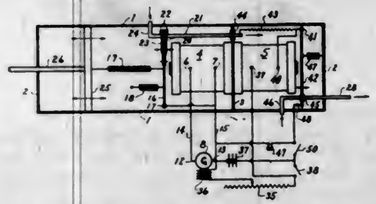
1. In mechanism for forming a paper container from an individual blank having applications of adhesive thereon to secure and seal together portions thereof which are interfolded and lapped during the forming operations, an endwise open forming throat means, a reciprocable forming plunger to carry the blank into said forming throat means with container shaping effect, means adjacent to the lower end of said forming throat means to fold bottom underlap portions of the blank over the bottom of the shaped container, and means to apply bottom sealing pressure to said thus folded bottom underlap portions.

2,243,353
DUST BAG FOR SUCTION CLEANERS
Eugene F. Martinet, Cleveland, and Harold Van Schoor, Shaker Heights, Ohio, assignors to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio
Application September 9, 1938, Serial No. 229,150
3 Claims. (Cl. 183—51)



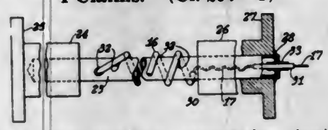
1. In a suction cleaner dust bag, fabric walls provided with an inlet opening, said fabric walls including a laminated air impervious abrasion-resistant portion at and adjacent to said opening, and said laminated portion consisting of fabric thermo-bonded with rubber cement.

2,243,354
SPEED MAINTAINING CONTROL
Clarence Walton Musser, Lancaster, Pa.
Application December 29, 1938, Serial No. 248,267
16 Claims. (Cl. 192—3)



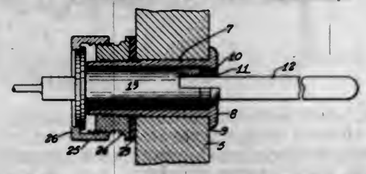
1. In combination with a motor driven vehicle having a throttle valve for the fuel feed control, a pedal capable of being operated by the driver of the vehicle to control the throttle-valve, an automatic throttle-valve control responsive to the speed of the vehicle, and an electrical switch operative upon the attainment of a selected speed, whereby the automatic throttle-valve control retains the selected speed.

2,243,355
THERMOSENSITIVE INSTRUMENT
Raymond E. Olson, Pittsford, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application May 17, 1939, Serial No. 274,239
4 Claims. (Cl. 297—3)



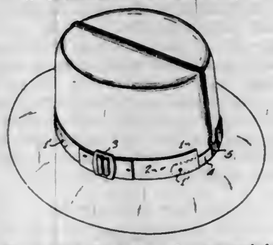
1. In a temperature responsive instrument including a bulb portion, a pressure responsive element and a capillary tube communicating with said bulb portion and said element, a hollow rigid support adapted to have its ends respectively secured to the opposing walls of a receptacle with which the instrument is to be used, said support having an opening near one end thereof, said bulb portion being of a smaller diameter than that of the support and embracing the exterior of said support throughout substantially its entire length, means rigidly securing said bulb portion to the exterior surface of said support, said bulb portion having a part extending through said opening into the interior of said support, said capillary tube extending into one end of the support and communicating with said bulb within said support.

2,243,356
SANITARY FITTING
Raymond E. Olson, Pittsford, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application August 14, 1939, Serial No. 290,031
8 Claims. (Cl. 285—166)



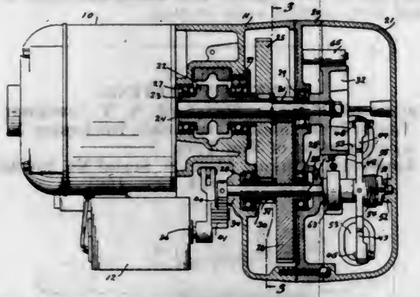
1. A fitting for a thermometer bulb or the like, comprising an annular member, the aperture therethrough being adapted to receive the bulb, the diameter of said aperture being slightly larger than the diameter of said bulb, the wall of said annular member at said aperture forming a conical seat sloping toward said bulb, a bushing of resilient material through which said bulb passes, said bushing having a conical end portion terminating in a relatively sharp edge, said end portion mating with said conical seat, and means for forcing said bushing toward said annular member whereby said edge of the bushing is extruded through the space between the bulb and the annular member.

2,243,357
ADJUSTABLE HAT
Frank Ostolaza and Glenn E. Holmes, St. Louis, Mo., assignors to Mexican American Hat Company, St. Louis, Mo., a corporation of Missouri
Application February 16, 1940, Serial No. 319,325
2 Claims. (Cl. 2—175)



1. An adjustable hat band comprising a flexible band proper outwardly encircling the base of hat at the brim, means to tighten and loosen said band proper, a secondary strip of horizontally bendable and vertically rigid material hidden by and secured to the band proper at multiple points to stiffen it vertically, and multiple hooked devices carried by the hat and concealed by the band proper and slidably engaging said secondary strip to allow relative lengthwise movement of portions of the band and hat under varying contractive pull in varying the hat size, and to prevent upward creeping movement of the hat band upon the hat.

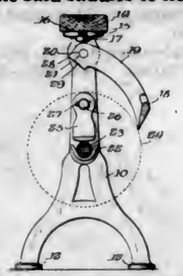
2,243,358
HOISTING DEVICE
Erford E. Robins, Tonawanda, N. Y., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application April 25, 1939, Serial No. 269,948
4 Claims. (Cl. 254—168)



3. A hoist including a housing consisting of a main housing part, a separate intermediate housing part, and a separate cover, said intermediate housing part having a lateral wall, a load-lift shaft mounted in suitable bearings carried only by the main housing part, said load-lift shaft being formed with an axial opening therethrough, a motor carried by the main housing part and having a driving shaft, said driving shaft having an extension projecting beyond said motor through said axial opening, said extension being of less diameter than the opening through said load-lift shaft and being supported independently of said load-lift shaft in a bearing carried only by the lateral wall of said intermediate housing part, an intermediate shaft in spaced relation with said driving shaft, said intermediate shaft having an axial opening therethrough, suitable reduction gearing connecting said driving shaft to said load-lift shaft, said intermediate shaft being mounted in bearings carried by the main housing part and the intermediate housing part, a control shaft passing through said intermediate shaft and having a diameter less than the diameter of the opening in said intermediate shaft, said control shaft being supported by said last mentioned housing parts in bearings arranged adjacent the bearings of the intermediate shaft and independent thereof, brake means carried by said intermediate housing part and the protruding end of said driving shaft, said brake means being mounted within said intermediate housing part and said cover, brake actuating means carried by said control shaft and mounted within said cover, a control lever mounted within said cover and carried by said control shaft, a control switch, and means for connecting said control shaft with said control switch.

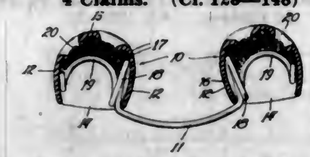
2,243,359
PAPER CUTTER
Orville O. Sheline, Chicago, Ill.
Application January 30, 1939, Serial No. 253,586
9 Claims. (Cl. 242—55.5)

9. A paper cutter comprising, in combination, a pair of standards having roll stick saddles thereon and having studs projecting from the sides thereof in an inward direction, means whereby the said standards are held in spaced relation with each other, a paper knife pivotally mounted on the said standards having seat portions formed at the base thereof, the said studs being spaced at the half way point on the said standards between the open side of the said saddles and the mounting point of the said knife, and locking members mounted on the said studs having their free ends normally positioned over the open sides of the said saddles to hold the roll stick



therein and capable of being turned in the opposite direction whereby to engage the seat portions of the knife, thereby holding the said knife out of the path of a roll of paper being placed in the said cutter.

2,243,360
FILTER OR MEDICAMENT CASING
Abraham Slatis and Harry H. Asher, Chicago, Ill.
Application December 30, 1938, Serial No. 248,375
4 Claims. (Cl. 128—148)



3. A casing of the class described comprising a side wall, an apertured end wall, and an inturned flange about the edge of the aperture or apertures in said end wall.

2,243,361
PULLER
Frank E. Stahl, Tonawanda, N. Y.; Lillie M. Stahl, administratrix of said Frank E. Stahl, deceased, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application May 26, 1936, Serial No. 81,893
Renewed December 23, 1939
9 Claims. (Cl. 254—167)



9. A puller, comprising a housing, consisting of a ratchet casing, a wheel casing, and a gear casing, a one-piece load-lift wheel and load

shaft, said shaft being rotatably supported by the ratchet casing and the wheel casing, said load wheel being mounted within said last mentioned casing parts, a hoist hook universally mounted at the joint between the ratchet casing and the wheel casing and disposed in recesses formed in the adjacent faces of said last mentioned casing parts, an operating shaft rotatably supported by said ratchet casing and said wheel casing, a gear carried by said load-lift shaft, an intermeshing gear integral with said operating shaft, said gears being mounted within said gear casing, brake mechanism carried by the operating shaft and the ratchet casing, suitable ratchet means carried by the brake mechanism, a brake nut carried by said operating shaft, an operating lever rotatably mounted upon said brake nut, means carried by said lever and engageable with said brake nut for operating said nut in either direction, and a hub formed on said lever for cooperation with the ratchet casing and substantially enclosing said brake mechanism.

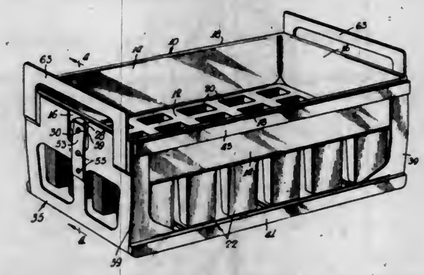
2,243,362
ELECTRON MICROSCOPE SYSTEM
Thomas W. Sukumlyn, Los Angeles, Calif.
Application August 20, 1938, Serial No. 225,958
5 Claims. (Cl. 250—49.5)



4. In a system for producing an image of any chosen object incapable of effectively operating as a source of electrons, a pair of separated conductors, means for creating an electric field between the conductors, in which field said object may be placed to cause thereby the development of a stationary non-optical charge pattern corresponding to the pattern of the object, onto a surface of one of the conducting members, means for subjecting said surface to general radiation capable of releasing electrons from said surface, means for directing the released electrons in a direction away from said object, and a fluorescent screen for receiving said electrons.

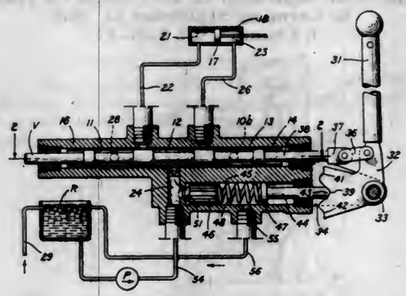
2,243,363
COMBINATION FROZEN CONFECTION MOLD AND PROTECTIVE BASKET THEREFOR
Norman M. Thomas, Pelham, N. Y., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application December 14, 1939, Serial No. 309,146
1 Claim. (Cl. 107—19)

Apparatus of the character described for forming and refrigerating frozen confections which comprises, in combination, a suspended mold structure consisting of an open-top mold pan having horizontal supporting means extending perimetrically adjacent its upper edges and a plurality of depending molds, said mold pan having latch engaging means mounted outwardly on opposite ends thereof, and an open-top protective basket of open frame construction having handles mounted on opposite ends thereof for carrying the same, said basket having horizontal means extending perimetrically for receiving the supporting means of the mold structure for holding the latter in a suspended position within said basket, said basket having latching means mounted on its opposite ends adjacent said handles for receiving the latch engaging means on said mold structure, whereby said latching means



may be manually operated by the operator while holding the basket by its handles.

2,243,364
LIQUID PRESSURE REMOTE CONTROL SYSTEM
Walter C. Trautman, Los Angeles, Calif., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 19, 1939, Serial No. 300,258
2 Claims. (Cl. 60—52)

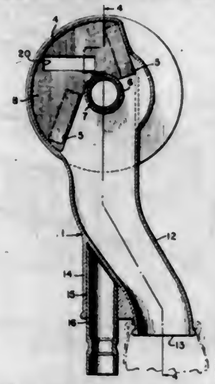


1. In a fluid pressure system, a work performing unit, a reversing valve in the path of flow of fluid to said work performing unit, said reversing valve having a neutral position and two operating positions, one on each side of said neutral position, a spring-loaded valve operable, when open, as a by-pass with respect to said reversing valve and also with respect to said work performing unit, and manually operable means to actuate said reversing valve and to releasably lock said reversing valve in any one of its positions, and serving also to increase the spring loading to a maximum pressure setting for said by-pass valve, whenever the manually operable means is operated to move said reversing valve to either operating (flow establishing) position.

2,243,365
MOUNTING DEVICE FOR MACHINE GUNS
John C. Trotter, Buffalo, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application November 24, 1939, Serial No. 305,979
8 Claims. (Cl. 89—37)

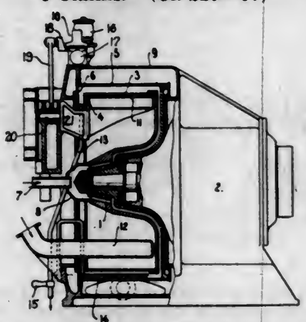
1. In a twin machine gun assembly for use in aircraft or the like, a support adapted to be swiveled in the aircraft, cradles for carrying the

machine guns, the cradles being attached to the support on opposite sides thereof, said support



having means for admitting cartridge links ejected from the machine guns into the support.

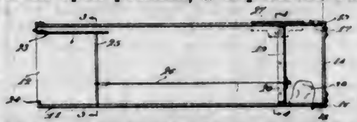
2,243,366
CENTRIFUGAL MACHINE
Pieter van Riel, Delft, Netherlands, assignor to N. V. Machinefabriek "Reineveld," Delft, Netherlands, a company of the Netherlands
Application September 21, 1937, Serial No. 164,934
In Germany September 25, 1936
6 Claims. (Cl. 210—67)



1. In a centrifugal machine, a motor, a shaft therefor, an imperforate cylinder, a perforated basket having a hub portion mounted on the hub of the cylinder, the wall of the cylinder and basket being spaced to provide an inlet passage, an inlet pipe substantially in line with the shaft, a hood communicating with the delivery end of the pipe and open to said space to deliver material within the cylinder and exteriorly of the basket, and a drain pipe movable to and from the space between the cylinder and basket, said drain pipe when within the space forming an operative drain from said space through the pipe, said pipe when beyond the space preventing such drain.

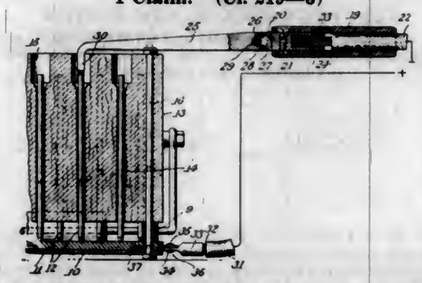
2,243,367
BOX TRAP
Narciso Z. Abriol, Daet, P. I.
Application July 10, 1940, Serial No. 344,801
2 Claims. (Cl. 43—61)

1. A trap for animals comprising, an elongated receptacle open at its ends and having an opening in its top wall, a detachably connected end wall closing the rear end of the receptacle and forming the rear wall of a bait compartment, a hinged door hung at the open end of the body adapted to swing inwardly and upwardly toward the top wall of the receptacle, a prop retaining the door in open position, a trip screen remote



from the prop forming the front wall of the bait compartment and connected to the prop for dislodging the prop, and a detachably connected inspection plate overlying the screen and affording access to the screen and bait compartment.

2,243,368
ELECTRODE HANDLE FOR WELDING
Thomas W. Aiken, Glassport, Pa., assignor of twenty per cent to William E. Trover, Elizabeth, Pa.
Application January 15, 1940, Serial No. 314,005
1 Claim. (Cl. 219—8)



An electrode handle for welding comprising, an elongated tubular grip formed of insulating material, a metal shank in the grip projecting from one end of the grip, a circuit wire in the grip secured to the other end of the shank, said shank having a rounded recess formed in the exposed end, an arm extending forwardly from the shank rounded at the rear end and received in said rounded recess, said rounded rear end of the arm having a slot formed therein providing a fork at the rounded rear end of the arm, and a pivot bolt passed through the slot and the projecting end of the shank and adapted to be tightened to hold the arm in various adjusted positions in an angular direction above and below an alined position with the tubular grip.

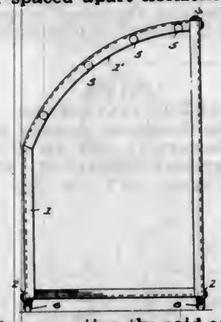
2,243,369
MANUFACTURE OF ARTIFICIAL STONES WITH HIGH POROSITY
János Albert, Budapest, Hungary
No Drawing. Application August 26, 1939, Serial No. 292,157. In Hungary August 10, 1939
8 Claims. (Cl. 18—48)

1. The method consisting in preparing a mortar containing substantially kieselgur, lime and water, adding aluminium salt dissolved in sufficient water to raise the water content of the mortar above 70%, pouring the mortar in moulds and hardening in steam.

2,243,370
UTILITY RACK
Alvin Turner Bell, Gadsden, Ala.
Application September 17, 1940, Serial No. 357,167
3 Claims. (Cl. 211—182)

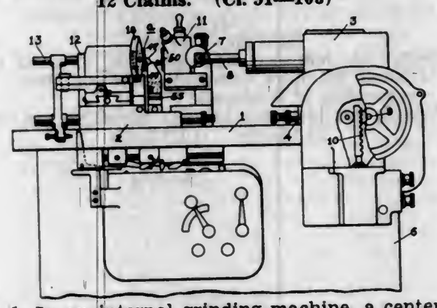
1. A utility rack comprising spaced vertical

parallel frames having depending arcuate top sections, tie irons secured to the lower corners and top corner of the arcuate sections, and a plurality of spaced apart horizontal article sup-



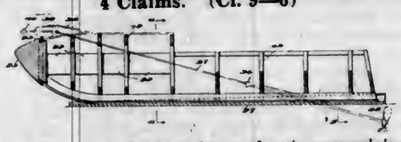
porting rods connecting the said arcuate top sections, said rods consisting of pipes having threaded ends extending through opening in the said arcuate frame sections, and threaded covers on said pipe ends engaging the arcuate sections.

2,243,371
INTERNAL GRINDING MACHINE
Harold L. Blood, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application April 5, 1939, Serial No. 266,163
12 Claims. (Cl. 51—103)



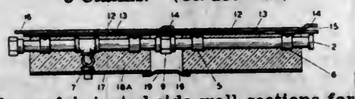
1. In an internal grinding machine, a centerless or chuckless means for the support and rotation of the work, comprising a plurality of circumferentially-spaced elements engageable with the periphery of a workpiece and a yieldable backing member engageable with an end surface of the workpiece, said backing member including spaced work-engaging elements adjustable toward or away from each other to accommodate various sizes of workpieces.

2,243,372
MODEL BOAT
Joseph Chlopicki, Berwyn Heights, Md.
Application December 2, 1939, Serial No. 307,327
4 Claims. (Cl. 9—6)



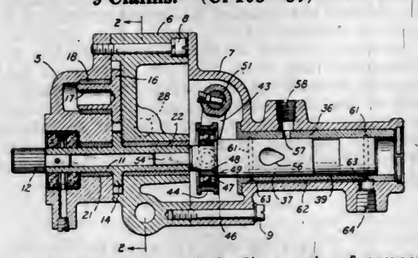
1. A laminated keel for a boat comprising a center layer and side layers united therewith on each side, said center layer including an aft section and a forward section having adjacent ends thereof in spaced relation whereby to form an opening extending from top to bottom of the keel for the reception of a shaft log.

2,243,373
PREFABRICATED PORTABLE HOUSE STRUCTURE
Wilbur J. Crites, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 10, 1938, Serial No 213,050
3 Claims. (Cl. 189—34)



1. In prefabricated side wall sections for portable dwelling structures, the combination comprising an outer wall including a pair of substantially coplanar members, a tongue on one member and a groove on the other member, said tongue and groove cooperating to form an adequate joint; an inner wall spaced from the outer wall and including a pair of substantially coplanar members spaced to form an opening therebetween and removable means for connecting the inner wall members; utility conduits between each outer wall member and the corresponding inner wall member; and coupling means for connecting corresponding utility conduits into a continuous pipe, said coupling means being accessible through the opening between the inner wall members.

2,243,374
PUMPING MECHANISM
Desire J. Deschamps, Rutherford, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 31, 1940, Serial No. 348,924
9 Claims. (Cl 103—37)



1. In a pump, a drive shaft, a pair of concentric cylinders in alignment with said drive shaft, means responsive to rotation of said drive shaft to deliver fluid to the interior of the inner cylinder, means including a passage through the outer cylinder for discharging said fluid from said inner cylinder, means for controlling the rate of discharge through said passages, said means comprising surfaces on said inner cylinder to interrupt the delivery of fluid to said discharge passage at regular intervals in each cycle of rotation of said drive shaft, and means for regulating the duration of each such interruption.

2,243,375
WRAPPED CONFECTION
Gerhard A. Ellestad, Rochester, N. Y., assignor to Saf-T-Pop Corporation, Dubuque, Iowa, a corporation of Delaware
Application July 19, 1939, Serial No. 285,358
3 Claims. (Cl. 99—180)

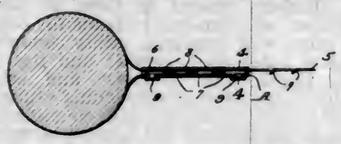
1. A confection comprising a relatively solid

edible body and a single sheet material member, said member having a portion embedded in said body, the inner portion extending away from



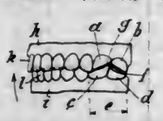
said body so as to provide a handle therefor and the outer portion of sufficient size to form an enclosing wrapper for the body.

2,243,376
CAR SEAL
Horace E. Gibson and Lou Q. Moore, Pueblo, Colo.
Application December 5, 1939, Serial No. 307,680
1 Claim. (Cl. 292—322)



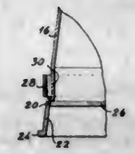
In a car seal, a flexible metallic strap, one end of the strap being substantially wide and providing lateral flanges, said strap adapted to be bent over the wide end portion, said wide end portion having openings, portions of the strap being punched through said openings and headed, securing the strap and wide portion in overlapped relation with respect to each other, said lateral flanges adapted to be bent over the strap, the ends of the flanges being bent together providing a housing at one end of the strap, a set of tongues formed in that portion of the strap overlapping the wide portion thereof, a set of tongues formed on the strap intermediate the ends of the strap, the sets of tongues extending in opposite directions, and adapted to interlock when the free end of the strap is inserted within the housing, securing the strap within the housing.

2,243,377
SET OF FALSE TEETH
Ludwig Haller, Stuttgart, Germany
Application July 11, 1939, Serial No. 283,848
In Germany September 5, 1938
1 Claim. (Cl. 32—8)



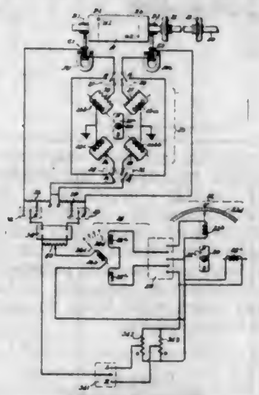
A set of artificial teeth comprising at least two rear upper molars and two complementary rear lower molars, each of said molars having a flat smooth slanting occlusal face extending in a single plane from front to rear of said tooth, the slope of the occlusal faces of the two upper molars being slanting or oppositely directed mesiodistally to define a V-shaped configuration from the buccal aspect and the slope of the occlusal faces of the two lower molars being oppositely directed to define a complementary V-shaped configuration from the buccal aspect; the apices of the so defined V's being at the interdental spaces of the pairs of molars in each case, whereby the interdental spaces of the two pairs of molars are brought into vertical alinement when the set of artificial teeth is brought into occluding relation.

2,243,378
CARTON CONTAINER
Carl Wilhelm Hartmann, Lyngby, Denmark
Application January 17, 1938, Serial No. 185,454
In Denmark January 22, 1937
3 Claims. (Cl. 229—5.5)



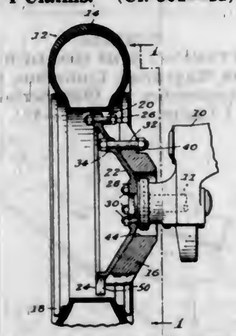
1. A container comprising a seamless body part produced from pressed molded fibrous material, the cross-section of which is increasing uniformly from one end to the other end and having at the first-named end an integral end wall with an aperture closed by a removable cover and at the other end an extended skirt forming a shoulder, and a disc adapted to abut against the shoulder in closing the container.

2,243,379
MACHINE TOOL
George H. Johnson, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a corporation of Wisconsin
Application November 24, 1937, Serial No. 176,177
27 Claims. (Cl. 77—5)



1. In a machine for reducing unbalance about the intended axis of each of a plurality of work pieces, the combination of a device for individually determining some of the characteristics of unbalance about the said axis in each of said work pieces, a device for individually altering the unbalance about said axis in each of said work pieces, and an operative interconnection between said determining device and said altering device for effecting some of the characteristics of the alteration in each of said work pieces in automatic accordance with the characteristic of unbalance determined for the same work piece by said determining device.

2,243,380
WHEEL CONSTRUCTION
Grayson T. Kinney, Cleveland, Ohio, assignor to The Cleveland Tractor Company, Cleveland, Ohio
Application June 23, 1939, Serial No. 280,862
4 Claims. (Cl. 301—41)

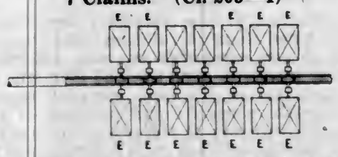


1. A traction wheel which includes a dished wheel disc, a weight member having a surface complemental to the convex face of the disc and in continuous engagement therewith, and means extending through the weight member at spaced points for detachably connecting the weight member to the disc.

2,243,381
PROCESS FOR MANUFACTURING SUGAR
Volkmar Klopfer, Dresden, Germany
No Drawing. Application July 11, 1938, Serial No. 218,672. In Germany October 8, 1937
4 Claims. (Cl. 99—140)

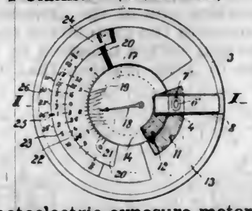
1. In the process of preparing sugar, the steps of adding to sugar containing previously added dry organic minerals, a solution of potassium phosphate in amount sufficient to moisten it yet insufficient to dissolve it, then adding as a fine powder form to said moistened sugar an organic mineral comprising the minerals normally present in sugar beets in the proportions in which they naturally occur in sugar beets with an excess proportion of calcium having a compounding ratio approximating that of the salts of sugar beet and the metallic elements thereof associated with acids which are consumable in the human organism.

2,243,382
PUSH BENCH APPARATUS
Károly Korbuly, Csepel, Hungary, assignor to Tube Industrial Participation Limited, Breganzona-Lugano, a corporation of Switzerland
Application February 17, 1940, Serial No. 319,537
In Hungary and Germany March 8, 1939
7 Claims. (Cl. 205—4)



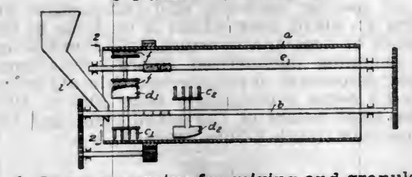
1. In a tube drawing push bench a plurality of drawing dies, a reciprocating mandrel shaft of circular cross section, racks formed within the circular cross section of said mandrel shaft, a plurality of pinions engaging said racks, and driving means to push said mandrel shaft through said drawing dies.

2,243,383
PHOTOELECTRIC EXPOSURE METER
Alois Leber, Vienna, Germany
Application February 10, 1939, Serial No. 255,668
In Germany January 10, 1939
4 Claims. (Cl. 88—23)



1. In a photoelectric exposure meter, the combination of a casing having an opening in the front thereof, a disk of light-diffusing material in said casing and exposed to the light entering the casing from said opening, a photoelectric cell exposed to the same light radiation, said casing having a light passage therein constituting a view passage for observing the object points, said casing having a second light passage wherein said disk is mounted, means for equalizing the intensity of the light passage through said passages, means for measuring the current produced by the photoelectric cell and comparison scales each connected to a respective one of said means for indicating the relative intensity of the light passage through said passages.

2,243,384
APPARATUS FOR MIXING AND GRANULATING SUBSTANTIALLY PLASTIC MATERIALS
Hans Lehrecke, Landskrona, Sweden, assignor to Aktiebolaget Kemiska Patenter, Landskrona, Sweden
Application October 3, 1939, Serial No. 297,775
In Germany October 19, 1938
5 Claims. (Cl. 259—3)

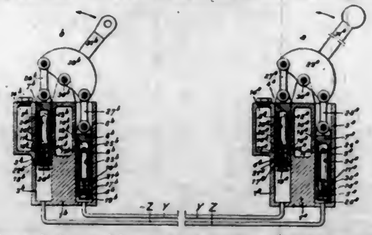


1. In an apparatus for mixing and granulating substantially plastic materials, and including a horizontal drum mounted for rotation about its longitudinal axis, a shaft mounted within said drum offset from said axis and rotatable in a direction opposite that of said drum, and tools for working said materials mounted upon said shaft, said tools comprising means for raking said plastic materials, and means for turning over said plastic materials said means being respectively alternately disposed longitudinally of said shaft, whereby said materials are simultaneously mixed and granulated within said drum.

2,243,385
HYDRAULIC REMOTE CONTROL DEVICE
René Lucien Lévy, Montrouge, France, assignor to Société d'Inventions Aéronautiques et Mécaniques S. I. A. M., Fribourg, Switzerland
Application September 12, 1938, Serial No. 229,637
In France September 29, 1937
2 Claims. (Cl. 60—54.5)

1. A positive hydraulic remote control device

comprising a transmitting station, a receiving station, each formed by two cylinders in each of which a piston is displaceably mounted, a liquid reservoir for each pair of cylinders, a control member at the transmitting station, a controlled member at the receiving station, two pipes connecting one of the cylinders of one of the pairs to one of the cylinders of the other pair, spring actuated valves mounted in the head of the pistons in such manner that the pressure

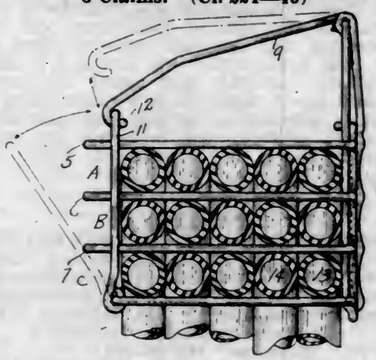


produced in said pipes by the displacement of said pistons tends to cause the closure of said valves, a stop member encountered by said valves at the end of the stroke of the corresponding piston towards the outside of the station, a chamber inside each piston and communicating with the orifices controlled by the corresponding valve, and orifices provided in the body of said pistons and placing said chambers in communication with the liquid reservoir of the station.

2,243,386
COMPOSITION OF MATTER
Robert R. Lewis, Baldwin, and Albert J. Weiss, Mineola, N. Y., assignors to Vulcan Proofing Company, New York, N. Y., a corporation of New York
No Drawing. Application August 12, 1940, Serial No. 352,308
9 Claims. (Cl. 260—42)

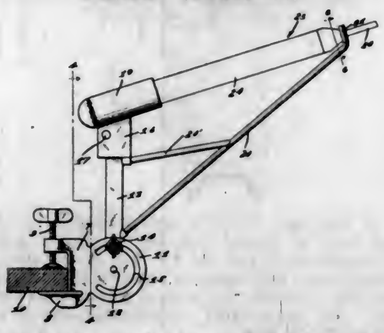
9. A heat-cured composition of matter which is more resistant than rubber to the solvent action of coal-tar solvents, said composition including an alkyd resin which is unstable in the presence of heat and moisture, said composition also including polymerized chloro-2-butadiene-1,3, the percentage of polymerized chloro-2-butadiene-1,3 being substantially from 10% to 60% of the total weight of the alkyd resin and the polymerized chloro-2-butadiene-1,3.

2,243,387
HOSE HOLDER
Robert E. Livingston, Hayward, Calif.
Application March 13, 1939, Serial No. 261,654
3 Claims. (Cl. 224—45)



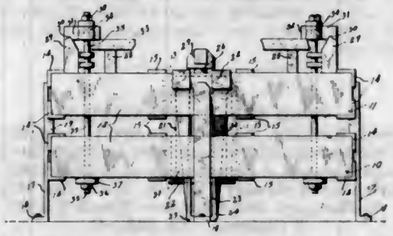
1. A hose holder, comprising a wire bent upon itself to form a plurality of spaced horizontal loops in vertical alinement, a hasp pivoted to the outer end of the lower loop and straddling the loops above, and a handle pivoted to the wire at the rear of the upper loop and removably connected to the upper end of the hasp.

2,243,388
FISHING ROD HOLDER
Joseph Magyarosi, Columbus, Ohio
Application September 11, 1940, Serial No. 356,379
1 Claim. (Cl. 248—42)



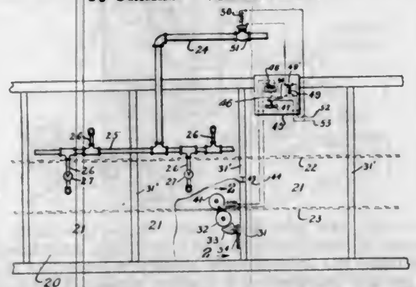
In a holder for fishing rods, a clamp, a post pivoted to the clamp, interengaging means on the post and clamp for securing the post at the desired position of angular adjustment relative to the clamp, a handle receiving socket pivotally mounted on the post, a rest-rod extending angularly from said post and terminating in a supporting prong disposed substantially in alignment with said socket and for receiving the shank of a fishing rod with the handle of said rod seating in said socket.

2,243,389
CLAMP FOR CRUSHER JAWS
Joe McNeill, Marion, N. C., assignor to Marion Machine Company, Marion, N. C.
Application July 31, 1939, Serial No. 287,651
4 Claims. (Cl. 113—99)



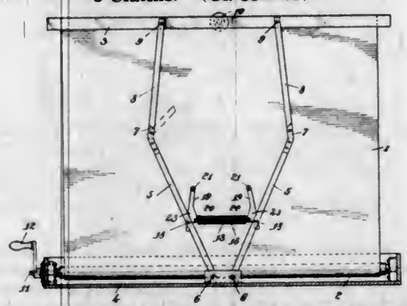
3. A machine of the character described consisting of a bed element, fulcrum blocks on the bed element, a jaw supported by each fulcrum and projecting inwardly over the bed element, transverse supports on the bed element positioned to lie beneath respective end portions of a plate and spaced inwardly of the projecting portion of the jaws, means between each fulcrum and transverse supports for forcibly drawing and holding the projecting portion of the jaws into engagement with a plate positioned on the transverse supports, and a pushing device constructed to engage the central portion of a plate held by the jaws and transverse supports to bend the same for the purposes described.

2,243,390
SAFETY DEVICE FOR BAND OVENS
Harvey O. Mercier, East Orange, N. J., assignor to National Biscuit Company, New York, N. Y., a corporation of New Jersey
Application August 16, 1939, Serial No. 290,523
10 Claims. (Cl. 107—57)



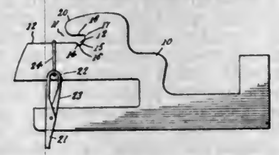
1. In an oven of the type having an endless band driven by drums at the ends of the oven, the combination of the endless band, a fuel line for supplying fuel to the oven to heat the band, a valve in said fuel line, a solenoid adapted when energized to open the fuel valve, an electric circuit in which said solenoid is normally connected, a switch closing said circuit during normal operation of said oven, a generator driven from said band, a relay connected as a shunt on said solenoid circuit and adapted when energized to hold said switch closed, a switch in said shunt circuit, and means energized by current from said generator to close said shunt circuit switch when the generator is driven above a predetermined minimum speed and to open said switch when the generator drops below said minimum speed.

2,243,391
APPARATUS FOR RAISING AND LOWERING PROJECTION SCREENS
Clemens Mikus, Bad Lippspringe, Germany, assignor to Mechanische Weberei G. m. b. H., Bad Lippspringe, Germany, a limited-liability company
Application April 25, 1939, Serial No. 269,875
In Germany December 24, 1938
3 Claims. (Cl. 88—24)



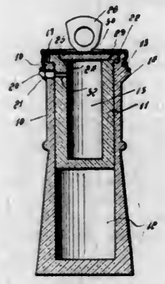
1. Raising and lowering means for projection screens comprising in combination, a box, a spring roller journaled in the box, a projection screen wound on said roller, a bar attached to the free edge of the screen, two pairs of jointed levers comprising upper and lower arms and having corresponding ends adjacently pivoted to the box substantially midway the ends of the box, the other corresponding ends of said levers being pivotally connected to the bar at the free edge of the screen, the lever arms of each pair overlying each other and the joints between the lever arms moved outwardly of each other when the screen is wound on said spring roller, an auxiliary lever pivoted adjacent one end to the lower lever arm of each pair of jointed levers and having its free end overlying the lower lever arm and engaged with the adjacent overlying upper lever arm when the jointed levers are folded and the projection screen is retracted, and a spring connecting the auxiliary levers for normally urging the free ends of the auxiliary levers into raising engagement with the upper lever arms of the jointed levers.

2,243,392
SINKER
Charles L. Page, Philadelphia, Pa.
Application April 4, 1939, Serial No. 266,006
3 Claims. (Cl. 66—107)



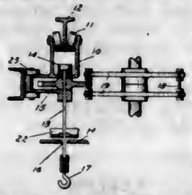
3. An improved sinker comprising a substantially horizontal drawing platform having at its rear portion a substantially V-shaped depression with a crotch for receiving and holding the stitch drawn upon said drawing platform, a neb overlying said depression and the rear portion of said platform and forming with the platform a throat, and a push-over wall in said throat at the inner end of said depression and spaced rearwardly back of said crotch.

2,243,393
CONDIMENT HOLDER
Frank O. Reinhardt, Pawtucket, R. I.
Application May 3, 1940, Serial No. 333,218
4 Claims. (Cl. 65—45)



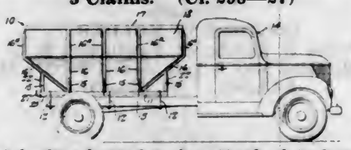
1. In a combined condiment holder, an outer receptacle, an inner receptacle rotatably supported in the upper end of the outer receptacle providing a chamber at the lower end of the outer receptacle, the upper end of the outer receptacle having a lateral discharge opening therein, the upper end of the inner receptacle having a lateral discharge opening adapted to be moved into registry with the aforesaid opening and the outer side of the inner receptacle having a longitudinally extending groove therein adapted to form communication between the lower chamber and the discharge opening in the outer receptacle.

2,243,394
APPARATUS FOR ABRADING WORK
William A. Rosenberger, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application August 6, 1935, Serial No. 34,990
10 Claims. (Cl. 51—9)



2. In an abrading apparatus, a work support, means supporting said work support for translation through a predetermined path, a work carrying spindle mounted on said support for rotation about a substantially vertical axis, a sprocket mounted on said spindle to rotate therewith, a plurality of sprockets mounted for rotation at fixed points adjacent the path of movement of said spindle, said sprockets lying in approximately the same horizontal plane and having an endless sprocket chain passing thereover, said chain engaging the sprocket of said spindle to rotate the latter, means for driving at least one of said fixed rotatable sprockets, and a cam member stationarily supported adjacent the path of movement of said work support on the side of said path opposite said driving sprockets for engaging said support and positively maintaining said driven sprocket in meshing engagement with said chain.

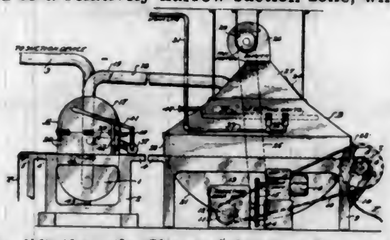
2,243,395
GRAIN TANK FOR TRUCKS
Anton Scholtz, Kennewick, Wash.
Application May 13, 1940, Serial No. 334,957
3 Claims. (Cl. 298—27)



1. A body adapted to be attached to longitudinal chassis frame elements of a vehicle comprising a rectangular angle iron frame having side portions spaced to be received upon and attached to said elements by appropriate means such as U-bolts and the like; spaced, radiating, upwardly and outwardly extending angle bars rigidly mounted on said rectangular frame; plates on said bars providing an inverted frusto-pyramidoidal hopper, open at top and bottom; a plate for closing the hopper bottom opening; and a rod rigidly connected at one end to said plate, slidably mounted in parts of the rectangular frame, terminating at its free end in a handle for facilitating opening and closing of the hopper opening by sliding the plate to either of two extreme positions.

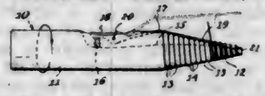
2,243,396
METHOD OF AND APPARATUS FOR REMOVING MOISTURE FROM FLOOR COVERINGS AND THE LIKE
Gustav E. Schulz, Auburn, N. Y., assignor to Nye-Wait Company, Inc., Auburn, N. Y., a corporation of New York
Application February 28, 1939, Serial No. 259,067
3 Claims. (Cl. 34—12)

1. The method of treating wet rugs, carpets and similar textile fabrics having pile surfaces, which comprises removing the free moisture therefrom by the application of vacuum to the back side of the fabric, thereafter subjecting the pile side of the fabric to a suction action confined to a relatively narrow suction zone, where-



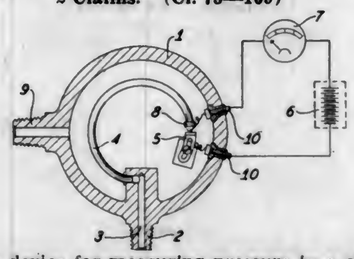
by to lift the pile fibers and cause the same to assume a substantially erect position, and finally removing the hydroscopic moisture from the fabric by the passage of a heated moisture absorptive medium through the fabric responsive to a further vacuum application.

2,243,397
NOVEL TOOL AND METHOD FOR CURLING HAIR
Albert Schwab, Bloomfield, N. J.
Application October 3, 1940, Serial No. 359,499
5 Claims. (Cl. 132—33)



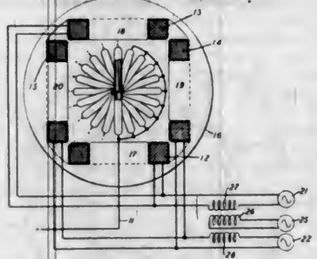
5. A tool for curling hair comprising a handle member, a conical member and a retainer, said conical member having a number of platforms being parts of a conical spiral, said handle and conical member having a longitudinal groove therethrough, a portion of said retainer located in said groove.

2,243,398
PRESSURE MEASURING DEVICE
Benjamin W. Sewell, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application April 21, 1939, Serial No. 269,169
2 Claims. (Cl. 73—109)



2. A device for measuring pressure in a closed chamber which comprises an auxiliary chamber adapted to be attached in communication with said closed chamber, a Bourdon tube arranged in said auxiliary chamber having its open end in communication with said closed chamber, a source of electrical power having one of its terminals connected to the free end of said Bourdon tube and its other terminal arranged adjacent the free end of said tube in a position to contact the free end of said tube when the latter is in its normal position, and means for applying fluid pressure to the interior of said auxiliary chamber.

2,243,399
CONTACT OPERATING DEVICE
Albert M. Skellett, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 4, 1939, Serial No. 297,817
15 Claims. (Cl. 175—320)



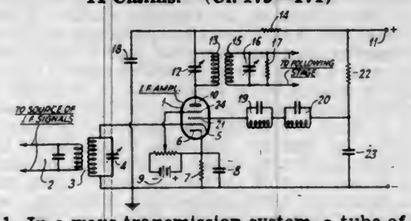
1. A mechanism for operating contacts in succession comprising a plurality of vessels containing contacts of magnetic materials, said vessels being arranged spirally across a common axis, and means for producing a rotating magnetic field across said axis to actuate the contacts in succeeding vessels.

2,243,400
WAXER
Emmet G. Stack, Marshfield, Oreg.
Application February 16, 1939, Serial No. 256,648
6 Claims. (Cl. 219—21)



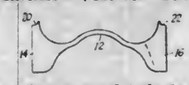
1. A waxer having a heating element, a casing enclosing said element of a relatively low heat-conducting material, a groove in the outer peripheral surface of the casing, and a relatively high heat-conducting material positioned in said groove so that the outer peripheral surface of said material is below the outer peripheral surface of said casing whereby heat conducted to said high heat-conducting material may be radiated to the atmosphere without said material coming into contact with the hands of one handling the casing.

2,243,401
SELECTIVITY CONTROL CIRCUITS
Kenneth Reginald Sturley, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application February 15, 1939, Serial No. 256,447
In Great Britain April 14, 1938
11 Claims. (Cl. 179—171)



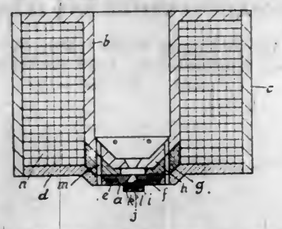
1. In a wave transmission system, a tube of the screen grid type having wave input and output circuits tuned to a common wave frequency, degenerative feedback means operatively associated with the screen grid of said tube and comprising at least two resonant circuits coupled to said screen grid, said two resonant circuits being oppositely mistuned by equal frequency values with respect to said common wave frequency.

2,243,402
TUBULAR FURNACE STRUCTURE AND METHOD OF FORMING SAME
James E. Trainer, Fairlawn, Ohio, Isaac Harter, New York, N. Y., and John P. Roger, Barberton, Ohio, assignors to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application February 9, 1938, Serial No. 189,518
14 Claims. (Cl. 29—157.4)



1. In the manufacture of tubular furnace wall elements, rolling a billet to produce a structural shape of the general nature of an I-beam but having heavier and unsymmetrical flanges connected by a thin web, said flanges having wide outer surfaces, bending the web only of said shape to form a substantially tubular body with said outer surfaces presented substantially tangentially to said body at the same side thereof, and welding said flanges to complete the tubular body.

2,243,403
MAGNETIC OBJECTIVE FOR ELECTRON MICROSCOPES
Manfred von Ardenne, Berlin-Lichterfelde, Germany
Application April 3, 1939, Serial No. 265,707
In Germany April 4, 1938
11 Claims. (Cl. 250—161)

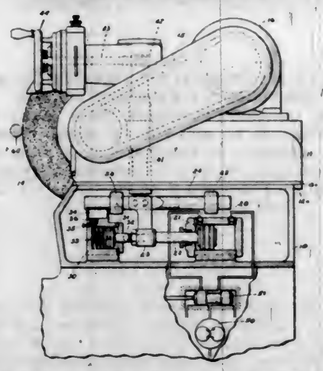


11. In an electron microscope, in combination, a magnetic lens structure including a magnetic body surrounding the electron-optical axis, an object support having a central aperture in the electron-optical axis, said object support consisting of ferromagnetic material and being magnetically connected with said body to form a pole of said lens structure.

2,243,404
CATALYST PREPARATION
Alexis Voorhies, Jr., Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 17, 1939, Serial No. 279,681
2 Claims. (Cl. 252—259)

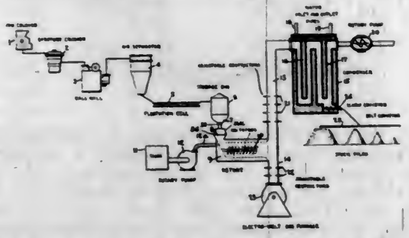
1. A method of improving the mechanical strength of formed catalyst units which comprises impregnating the same with a solution of a silicic acid ester and thereafter decomposing the ester.

2,243,405
FEEDING MECHANISM
Edgar P. Wine, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa.
Application November 17, 1938, Serial No. 241,072
4 Claims. (Cl. 51—165)



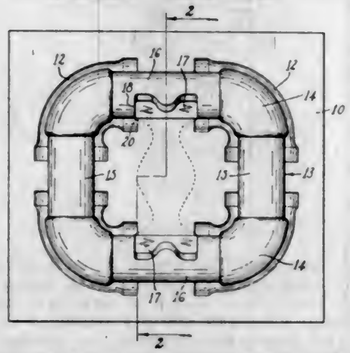
2. A feeding mechanism for a grinding wheel including a base, a wheel support slidably mounted thereon, a grinding wheel rotatably mounted on said support, means for effecting movement of said support toward and from a work piece including a rack, means on said base for supporting and guiding said rack, a manually operated feed mechanism including a pinion for engaging said rack and for moving said support relative to said rack, and a power operated mechanism directly connected to said rack for moving said rack and said wheel support bodily.

2,243,406
APPARATUS FOR UNLOCKING ORE BODIES TO EXTRACT SULPHUR AND IRON THEREFROM
Harry Comer Wolf, Irvine, Ky.
Application September 14, 1938, Serial No. 229,806
1 Claim. (Cl. 266—19)



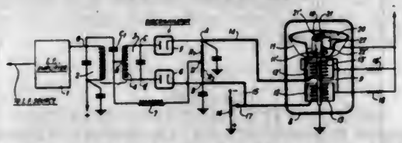
In an apparatus for unlocking ore bodies to extract sulphur and iron therefrom, a retort normally closed to atmosphere, means for introducing ore and inert gas into said retort near one end thereof, means for agitating ore in said retort, said retort having a delivery end connected to a take-off, said take-off having an upwardly directed substantially vertical branch for conducting sulphur vapor to a condenser and a downwardly directed substantially vertical branch for discharging desulphurized ore, and adjustable restricting means imposed in both of said branches constituting baffles arranged one above the other serving to restrict the effective area of said branches, the restricting means in said upwardly directed branch also serving to separate any solids from said vapors by impact.

2,243,407
CASTING MOLD FOR HOLLOW ARTICLES AND CORE THEREFOR
George A. Agnew, East Haven, Conn., assignor to Malleable Iron Fittings Company, Branford, Conn., a corporation of Connecticut
Application February 20, 1939, Serial No. 257,289
2 Claims. (Cl. 22—131)



2. A mold for a multiple casting, said mold comprising a plurality of mold cavities connected by a core seat, a core comprising core members each adapted to be disposed within one of the cavities, and a core-supporting portion connected to said core members and seated on the core seat, said portion having a surface recess therein extending from one cavity to the other at each end of the core seat to communicate with both thereof at the inner edge portion of the cavities, and said mold being provided with a gate communicating with said recess between its ends whereby the metal from the gate flows in both directions through said recess to the mold cavities at the opposite ends of the seat.

2,243,408
VISUAL TUNING INDICATOR
Earl I. Anderson, Bayside, Long Island, N. Y., and Charles N. Kimball, East Orange, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application May 12, 1938, Serial No. 207,440
1 Claim. (Cl. 171—95)



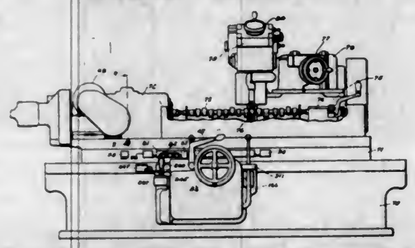
In combination with a resistive impedance whose terminals are normally of like direct current voltage polarity and magnitude and adapted to vary in opposite polarity and magnitude senses, an indicating device for said variation comprising a tube envelope, an electron emitter within said envelope, a positively biased target electrode surrounding said emitter, said target being provided with a visible area of predetermined extent which is caused to be fluorescent in response to electrons projected from said emitter upon said area, at least two deflection electrodes positioned between the emitter and said target area, the deflection electrodes being arranged on opposite sides of the electron stream projected upon said area, means for establishing each deflection electrode at a positive potential which is sufficiently less than the target potential to cause said stream

to be concentrated upon a relatively narrow central section of said area thereby to provide on the target a narrow fluorescent indication which is representative of said normal voltage state of said impedance terminals, a first direct current voltage amplifier having an input electrode connected to one of said terminals and an output electrode connected to one of said deflection electrodes, a second direct current voltage amplifier having an input electrode connected to the opposite terminal and an output electrode connected to the second deflection electrode, means in circuit with said impedance for normally applying a negative biasing potential to said input electrodes, variation of said terminal potentials from said normal state causing a corresponding variation in the relative potentials of said deflection electrodes thereby to shift the fluorescent indication in a predetermined direction and to a predetermined extent relative to said central section.

2,243,409
BITUMINOUS COMPOSITION
Emile L. Baldeschwieler, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 4, 1937, Serial No. 162,453
3 Claims. (Cl. 106—31)

1. Method of improving the adhesivity of a bituminous composition which comprises adding approximately 1 to 2½% of an asphalt soluble lead soap to an asphalt and maintaining at a temperature of 210° F. to 350° F. for at least 5 days.

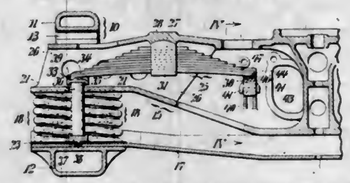
2,243,410
CAM GRINDER
Harold E. Balsiger and Ralph E. Price, Waynesboro, Pa., assignors to Landis Tool Company, Waynesboro, Pa.
Application July 22, 1938, Serial No. 220,777
27 Claims. (Cl. 51—101)



14. A cam grinding machine having a work support, a wheel support, means for effecting relative longitudinal movement between said supports including a motor, means for effecting said movement intermittently including a spacing bar, a plunger for successively engaging selected portions of said bar, and a switch operable by movement of said plunger just prior to engaging one of said portions for controlling said motor to reduce the speed thereof and thus reduce the rate of said longitudinal movement just before stopping said movement completely.

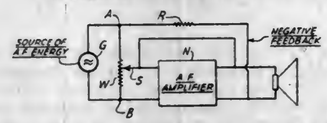
18. In a grinding machine, a work support, a cradle oscillatably mounted on said support, mechanism for rotating a work piece including a motor, a pair of switches in parallel for controlling rotation of said motor, one of said switches being operable by movement of said work support, a cam rotatable with the work for actuating said second switch for stopping said work in a predetermined angular position, said cam operated switch being operable only when said cradle is in a predetermined position.

2,243,411
SPRINGING FOR RAILWAY TRUCKS
Charles D. Barrett and Charles R. Whitehead, Altoona, Pa.
Application October 26, 1940, Serial No. 362,916
2 Claims. (Cl. 105—197.1)



1. The combination of a hollow truck bolster, a separate spring-supporting bridge bar spanned across the interior of said bolster, having its ends fixed to the bolster side walls against turning in the bolster, and provided with an upstanding middle lug, and also having its upper side longitudinally grooved, and a bearing bar extending to either side of said lug, in the grooved upper side of said bridge bar.

2,243,412
VOLUME CONTROL
Lothar Brück, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 27, 1939, Serial No. 253,122
In Germany March 8, 1938
9 Claims. (Cl. 179—171)

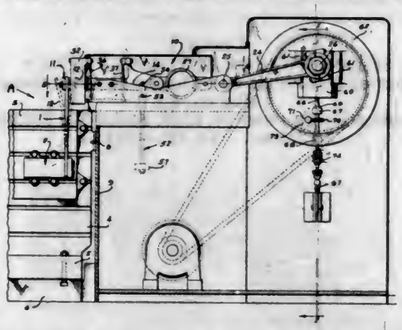


1. In combination with a source of audio voltage, a resistor shunted thereacross, an audio utilization network having input terminals and output terminals, one of the input terminals being at the same potential as one end of said resistor, the other input terminal including a slidable tap connection to said resistor functioning as a manual volume control device, and a negative feedback circuit connected between the network output terminals and terminals comprising the opposite end of the resistor and said tap.

2,243,413
FATIGUE TESTING MACHINE
Francis Buckingham, Franklinville, N. J., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application April 11, 1938, Serial No. 201,428
21 Claims. (Cl. 73—51)

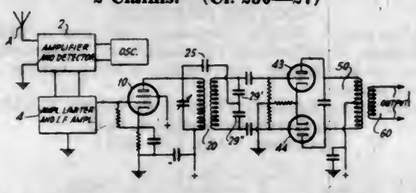
1. A fatigue testing machine comprising, in combination, means for supporting a specimen, a reciprocable element connectable to the specimen, mechanical actuating means for continuously reciprocating said element to effect repeated stress applications to the specimen, deformable load weighing means connected to and between said element and said actuating means so as to be bodily reciprocable with said element whereby actual load forces are transmitted at

each instant through said deformable weighing means to the specimen, and means connected to and directly actuated by the deformation of said



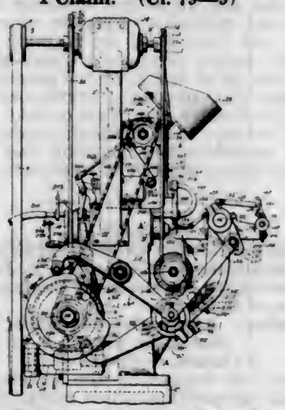
load weighing means thereby to determine the actual load applied to the specimen independently of movements of the specimen.

2,243,414
FREQUENCY MODULATING RECEIVER
Wendell L. Carlson, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 1, 1939, Serial No. 253,962
2 Claims. (Cl. 250—27)



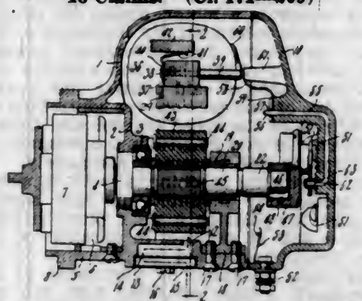
1. In a system for demodulating wave energy modulated in frequency at signal frequency, a pair of electron discharge detector tubes each having at least a control grid, a cathode, and an anode, an output transformer having a primary winding, an output circuit including said primary winding coupling said anodes in push-pull relation, a circuit including an inductance parallel tuned to the mean frequency of said wave energy, means for impressing said frequency modulated wave energy to be demodulated on said parallel tuned circuit, a second inductance inductively coupled to said first named inductance, capacitive means in shunt to said second named inductance for tuning said second named inductance to resonance at the mean frequency of said wave energy whereby voltages of the frequency of said wave energy are induced in said second named inductance which voltages at the terminals of said second named inductance are of opposed phases which vary when the mean frequency of the induced voltage changes, a path of negligible impedance at said signal frequency between said first inductance and a predetermined point on said capacitive means whereby voltages of the frequency of said wave energy and of substantially fixed like phase are impressed on the terminals of said second inductance irrespective of changes in the frequency of said wave energy, means connecting one of the terminals of said second inductance to the control grid of one of said tubes, means connecting the other terminal of said second inductance to the control grid of the other tube, and said predetermined point having an alternating potential substantially equivalent to the alternating potential at the mid-point of said second named inductance.

2,243,415
BUTTON MAKING MACHINE
Emanuel Clemens, East Orange, N. J., assignor to Peter C. Christensen, East Orange, N. J.
Application November 20, 1937, Serial No. 175,605
1 Claim. (Cl. 79—9)



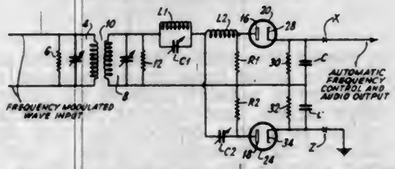
Feed mechanism for button-shaped work pieces comprising an open sided seat to which such work pieces are adapted to be fed; a gate mounted for movement to and from an operative position in front of and adjacent the open side of said seat to close said open side and to maintain a work piece in a certain position on the seat; means for so moving said gate; a device for gripping a work piece through said open side and transferring a work piece from said seat to a remote point, said device being mounted for movement to and from a gripping position relative to the open side of said seat; means for so moving said device; means for actuating the moving means for said gate and device; and means for so controlling the operation of said actuating means that movement of the gate from its said operative position will be effected upon each movement of said device to its gripping position through the open side of said seat.

2,243,416
MAGNETO
William D. Crocker, Springfield, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application May 15, 1940, Serial No. 335,243
13 Claims. (Cl. 171—209)



1. In a magneto; an integral frame having an opening at its rear end for substantially its full height and width and also having a circular opening at its opposite driving end formed by contracting the frame into a cylindrical extension; a magnetic stator detachably fastened in said frame; a magnetic rotor cooperative with said stator; said frame having in its interior an integral cross member which forms a bearing support for the drive end of said rotor and which defines a coupling pocket in the cylindrical extension; in said pocket a coupling connected to the drive end of said rotor; a bracket detachably connected to said frame for supporting the rear end of said rotor; and a detachable distributor plate covering said opening at the rear end of the frame; said frame having thickened portions for stiffening it and for fastening to it the detachable elements comprising the stator structure, distributor plate and bracket.

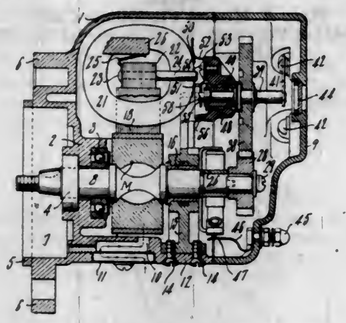
2,243,417
FREQUENCY MODULATION RECEIVER
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 1, 1939, Serial No. 276,771
4 Claims. (Cl. 250—20)



1. In a radio system in which a transmitter radiates energy which is frequency modulated in accordance with signals, a reactance on which said modulated wave energy is impressed, a pair of rectifier tubes of the diode type each having an anode and a cathode, impedances connecting the cathodes of said rectifier tubes in a differential output circuit, a connection between a first point on said reactance and the cathodes of said tubes, two loop circuits each comprising parallel inductance and capacity, a connection between one terminal of each loop circuit and a common second point on said reactance, said second point being at a substantially different alternating current potential than the first point, means connecting the other terminal of one of said loop circuits to the anode of one tube, means connecting the other terminal of the other loop circuit to the anode of the other tube, a reactance connected to one of said loop circuits to tune the same to series resonance at a frequency above the highest frequency of the modulated wave impressed on said first reactance, and a reactance connected with said other loop circuit to tune the same to series resonance below the lowest frequency of the modulated wave impressed on said first reactance.

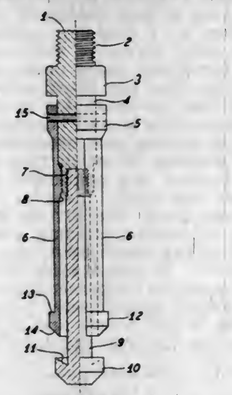
2,243,418
MAGNETO APPARATUS
William D. Crocker, Springfield, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York
Application May 15, 1940, Serial No. 335,244
21 Claims. (Cl. 171—209)

1. In a magneto; a unitary frame having an interior abutment; a magnetic stator including pole pieces and connecting arms and also including an ignition coil having a core bridging said arms; and a spring fastened to said core and reacting against said abutment to hold said core resiliently in magnetic contact with said arms; said



coil, core and spring being removable and replaceable as a unit.

2,243,419
FISHING TOOL
Benjamin J. Festervan and Nathan F. Henderson, Monroe City, Tex.
Application October 19, 1938, Serial No. 235,794
7 Claims. (Cl. 294—93)

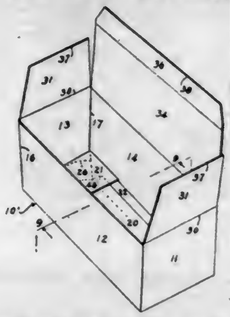


1. A fishing tool comprising a barrel, spring arms mounted upon the outside surface of said barrel, a shear pin attached to said barrel adapted to prevent longitudinal movement between said arms and said barrel, outwardly projecting shoulders arranged adjacent the free ends of said arms, said free ends being inwardly tapered, and means for holding said spring arms spaced radially outwardly from said barrel.

2,243,420
LUBRICATING COMPOSITION
Per K. Frolich, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 11, 1939, Serial No. 261,314
15 Claims. (Cl. 252—55)

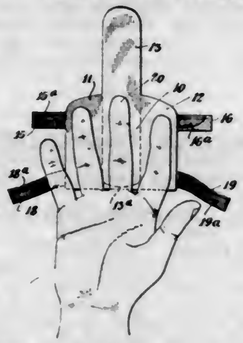
1. An improved lubricating oil comprising a viscous hydrocarbon oil containing a small amount of a synthetically prepared ester having a boiling point above 150° C. of a mixture of acids produced by the low temperature oxidation of paraffin wax.

2,243,421
PAPER BOX AND METHOD OF MAKING THE SAME
Ross A. Himes, Piedmont, Calif.
Application February 24, 1939, Serial No. 258,156
9 Claims. (Cl. 229—16)



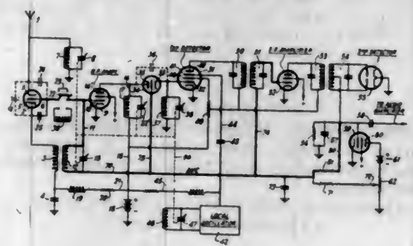
1. A method of making boxes from double blanks each cut and creased to form two box blanks having their box-bottom forming parts at opposite sides of the double blank; each box blank being cut and creased to form hingedly connected side and end walls connected in end-to-end series; bottom sections foldably joining the respective walls, two of the bottom sections each having a flap extension connected to an end thereof by a diagonal crease extending toward an inner corner of such section, the walls of each box blank being opposite corresponding walls of the other box blank of the double blank; each wall and its associated sections and extensions constituting a wall assembly; said method comprising folding said extensions on the lower faces of sections to which they are respectively joined; folding the respective bottom sections flat upon the upper faces of their connected walls respectively, thereby to upwardly expose the flap extensions; folding each assembly at the ends of the series upon the assembly adjacent thereto, to cause said flap extensions to engage respective cooperating areas of the adjacent assembly respectively; adhering said flap extensions to said areas; and adhesively hingedly connecting the free end edges of the series.

2,243,422
FINGER BANDAGING UNIT
Herbert E. Hollander and Edwin A. Lewis, New York, N. Y.
Application May 11, 1938, Serial No. 207,229
5 Claims. (Cl. 128—165)



3. A finger bandaging unit comprising a flat member of soft fabric having portions respectively defined for wrapping over the end and about the sides of a finger, and securing means carried by said member and including adhesive means to be attached by the user, for holding the member in wrapped relation on the finger.

2,243,423
AUTOMATIC VOLUME CONTROL CIRCUIT
R Lee Hollingsworth, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 9, 1939, Serial No. 272,549
7 Claims. (Cl. 250—20)



1. In combination with a signal amplifier having a tunable signal input circuit, a signal collector, a coupling network between the collector and input circuit, said network comprising a tube having at least a cathode, grid and plate, said tube having its cathode to plate capacity connected between the collector and input circuit to provide a first signal coupling path, and means for varying the potential of the grid thereby to adjust the magnitude of said capacity, said tube additionally having a cathode to grid capacity, and means connecting said last capacity between the collector and input circuit for providing a second coupling path between said collector and said input circuit.

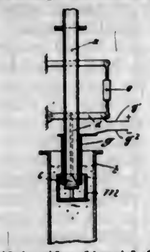
2,243,424
FLUX COMPOSITION FOR WELDING AND SOLDERING ALUMINUM
Oskar Horowitz, Brooklyn, N. Y., assignor to Albert I. Elias, New York, N. Y.
No Drawing. Application November 4, 1939
Serial No. 302,873
9 Claims. (Cl. 148—26)

1. A flux for welding or soldering aluminum comprising a halogenide of cadmium, a halogenide of copper and halogenides of alkali metals.

2,243,425
CASTING OF METALS AND/OR METAL ALLOYS AND MORE PARTICULARLY TO A METHOD OF MAINTAINING A UNIFORM RATE OF FLOW OF THE MOLTEN MASS INTO THE MOLD OR CHILL
Siegfried Junghans, Stuttgart, Wurttemberg, Germany, assignor to Irving Rossi, New York, N. Y.
Application May 6, 1938, Serial No. 206,365
In Germany May 8, 1937
9 Claims. (Cl. 22—57.2)

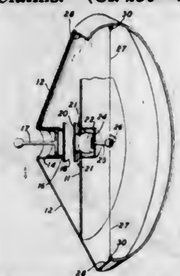
1. In a device for casting metals, a mold, a feed pipe for supplying molten metal to the said mold consisting of one of the following materials: steatite, sillimanite, magnesite, sinter corundum spinell, and a throttling member for regulating

the molten metal supplied by the said feed pipe, the said throttling member being constantly



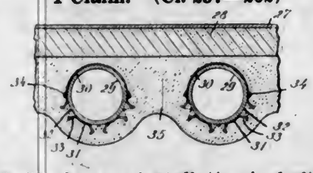
maintained within the liquid feeding head of the metal in the mold.

2,243,426
ULTRA HIGH FREQUENCY SYSTEM
Reymond J. Kircher, Neptune, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 2, 1939, Serial No. 276,997
2 Claims. (Cl. 250—11)



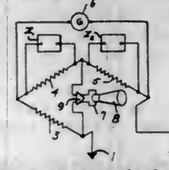
1. In combination, means for producing electrical oscillations, a tank circuit electrically connected to said means for controlling the frequency of said oscillations, said tank circuit including an enclosing member of conductive material having an external planar surface, a doublet antenna disposed in parallel relation with said planar surface and positioned adjacent thereto whereby said external planar surface of said tank circuit serves as a reflector for the antenna, and means for connecting said doublet antenna with said means for producing oscillations.

2,243,427
TUBE COVERING
Harrison E. Kieffel, Brooklyn, N. Y.
Application June 18, 1938, Serial No. 214,506
1 Claim. (Cl. 257—262)



In a boiler furnace installation including a tube containing a heat absorbing medium and enclosed in a layer of heat insulating material, a metallic sleeve enclosing the tube and lying beneath the layer, the inner surface of the sleeve tightly engaging the outer surface of the tube throughout the length of the sleeve, whereby the sleeve strengthens the tube against bursting and bending, the sleeve comprising a plurality of sheet metal sections of arcuate form having parallel longitudinal edges in opposition, lines of welding connecting said edges throughout their length, and integral tongues struck from at least one of the sections and extending outwardly and embedded in the layer of heat insulating material to hold the latter in place, the sleeve being of such dimensions that, at atmospheric temperature, the sections thereof and the lines of welding are under circumferential tension.

2,243,428
ELECTRICAL PROSPECTING
Paul W. Klipsch and Solomon Bilinsky, Houston, Tex., assignors to E. E. Rosaire, Houston, Tex.
Application October 8, 1937, Serial No. 167,925
6 Claims. (Cl. 175—182)



1. The method of electrical exploration which comprises connecting electrodes embedded in the earth so that the impedance between them forms an arm of a bridge network, applying time-varying potential to appropriate diagonal points in the bridge, detecting the magnitude and wave shape of the potential across another diagonal pair of points in the bridge and balancing the bridge with resistance and impedance until the detected wave form has negligible amplitude over at least an appreciable period of time, whereby the values of resistance and impedance used to produce the balance may be utilized for geological interpretation.

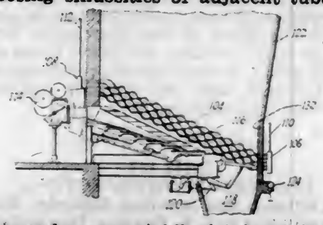
2,243,429
ELECTROPLATING OF NONCONDUCTIVE SURFACES
Rudolf Laux, Leipzig, Germany, assignor to Langbein - Pfanhauser - Werke Aktiengeselischaft, Leipzig, Germany
No Drawing. Application January 11, 1938, Serial No. 184,392. In Germany January 13, 1937
5 Claims. (Cl. 204—30)

1. Process for the production of a conductive coating on an object having a nonconductive surface, which comprises reducing a solution of a copper salt while in contact with said surface, thereby producing a thin copper deposit thereon, then electrolytically depositing further copper on said copper deposit from solution containing copper sulphate and some free sulphuric acid and having a pH value of from about 3.4 to about 1.8, and finally building up the copper coating by electrolytic deposition from a solution containing a higher concentration of copper sulphate and of free acid than said last mentioned solution.

2,243,430
FLUID HEAT EXCHANGE APPARATUS
Charles E. Lucke, New York, N. Y., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application January 11, 1938, Serial No. 184,363
12 Claims. (Cl. 122—235)

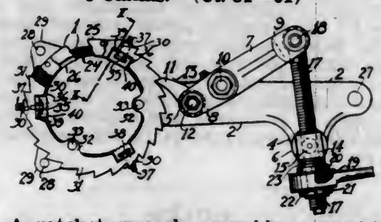
3. In a fluid heater, a furnace, a plurality of sinuous wall tubes superposed with reference to

each other and supported at their ends, means for connecting said tubes into a fluid circulation, the tubes being so arranged that the high points of opposing sinuosities of adjacent tubes are in



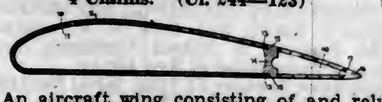
contact, and means rigidly joining said tubes at the contact positions only so that the group of tubes acts as a girder, thus allowing long tubes to be used without necessitating costly supporting structures intermediate the tube lengths.

2,243,431
COMBINATION SCREW AND RATCHET WRENCH FOR TANK CAR SAFETY VALVES
George J. Langmyhr, Sarnia, Ontario, Canada, assignor to Standard Oil Development Company, a corporation of Delaware
Application December 30, 1938, Serial No. 248,446
3 Claims. (Cl. 81—61)



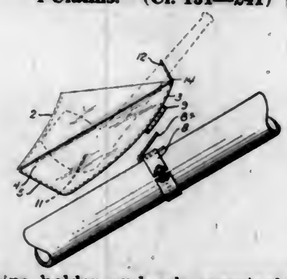
1. A ratchet wrench assembly, comprising a wrench base, having an elongated body portion, and an annular head portion, a means mounted on said head to engage the work, a lever and pawl assembly pivotally mounted eccentrically of the body portion in spaced relation to said head portion, a thrust block member pivotally mounted eccentrically of the body portion, laterally opposite said pawl and lever mounting, in spaced relation to the end of said body, screw rod means, supported in said block, for imparting arcuate movement to said lever and pawl assembly, a peripherally ratchet-toothed collar, separate from the base, provided for fixed engagement with the work, and means carried by each of the base and collar elements for adjusting respectively their relation to each other and to the work.

2,243,432
AIRCRAFT
Etienne Mautner, New York, N. Y., assignor to Skydyne Inc., New York, N. Y., a corporation of New York
Application August 13, 1938, Serial No. 224,699
4 Claims. (Cl. 244—123)



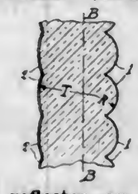
1. An aircraft wing consisting of and relying for its strength and rigidity entirely on the combination of, a unitary multi-layer sheet comprising a pair of exterior veneer laminae separated by and glued to an interior layer of cellular hydrocarbonaceous material substantially lighter than wood interposed between said pair, and of one train of solid wood members including members extending in a substantially spanwise direction disposed in rear relation to said sheet, said sheet having a pair of edges in rearward relation to the wing and in spaced relation to each other glued respectively to the upper and lower side of said train, said sheet and said train forming together a hollow forwardly well rounded wing structure closed in front, on top and on bottom by said sheet and closed rearwardly from tip to tip by said train, the wing including furthermore hinge means fastened to said train in rearward relation thereto adjacent the wing tips constructed and proportioned for the mounting of ailerons.

2,243,433
PIPE HOLDER
Otis L. McIntyre, San Carlos, Calif.
Application January 24, 1940, Serial No. 315,361
4 Claims. (Cl. 131—241)



1. A pipe holder and ash receptacle comprising a front, a back, a bottom, and a pair of side sections, all of said sections being united to form a receptacle which is closed except that it is open at the upper end to permit insertion of a pipe, said front section presenting a surface inclined with relation to the back section, and the sides presenting angular surfaces converging toward the back section and bottom, which, together with the inclined front, form three surfaces between which the bowl of a pipe is adapted to be wedged.

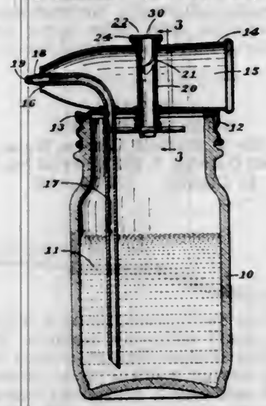
2,243,434
REFLECTOR
Edward W. Menke, Chicago, Ill.
Application April 25, 1938, Serial No. 203,983
10 Claims. (Cl. 88—82)



1. In a light reflector, an objective lens the surface of which is described by the rotation of a segment of a circle about an axis at a radius unequal to the radius of the circle and which is delimited by the intersection therewith of a plane parallel to said axis, a reflector spaced rearwardly from said lens the surface of which is described by the rotation of a segment of a circle of larger

diameter than said first circle about the same axis and at a distance therefrom such that the summation of the radii of rotation is substantially equal to the focal length of said lens with respect to incident light ray beams lying in a plane perpendicular to said axis.

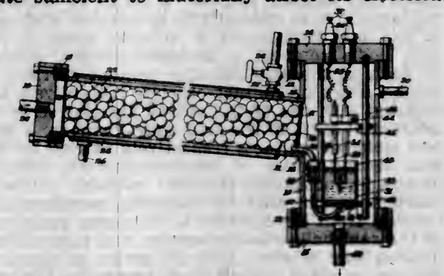
2,243,435
SPRAYER
Garret Mott, Jr., Scarsdale, N. Y., and Charles L. Brown, Jr., Stamford, Conn., assignors to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application August 31, 1938, Serial No. 227,612
3 Claims. (Cl. 299—89)



3. A sprayer including a liquid container; a cover for said container; an air tube secured to said cover having an inlet opening and a smaller outlet opening; an admission tube extending across said air tube having a first opening communicating with the interior of the air tube and a second opening communicating with the interior of the container; a liquid riser extending from the bottom of the container to the outlet opening of the air tube; and a valve adapted to cover or uncover the opening in the admission tube communicating with the interior of the air tube; said valve having an opening communicating with the atmosphere to relieve any pressure in the container due to leakage past the valve when the valve covers the opening in the admission tube communicating with the interior of the air tube.

2,243,436
METHOD AND APPARATUS FOR TESTING VAPORS AND CONDENSATES
Albert R. Mumford, Bogota, N. J., assignor to Consolidated Edison Company of New York, Inc., New York, N. Y., a corporation of New York
Application December 15, 1939, Serial No. 309,328
15 Claims. (Cl. 175—183)

1. In a method of determining the solids content in a supply of vapor under pressure and containing gas, the steps which comprise continuously introducing some of such vapor into a chamber without materially reducing its pressure, continuously discharging a predetermined percentage of said vapor from the chamber, continuously withdrawing sufficient heat from the chamber to condense the remainder while maintaining the resulting condensate in the chamber at the temperature of said vapor when saturated at said pressure, said temperature and the partial pressure of said gas in the chamber being such that the gas is discharged with the vapor and whereby no gas is dissolved in the condensate sufficient to materially affect its electrical

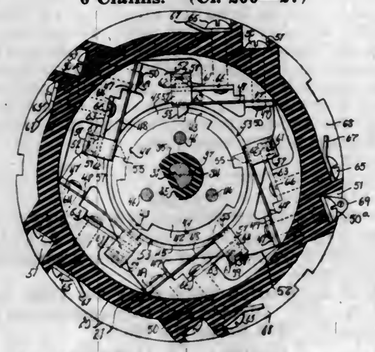


conductivity, conducting said condensate through a pool thereof in the chamber and discharging same at substantially the same rate as formed, and measuring the electrical conductivity of the condensate in said pool.

2,243,437
SULPHONIC ACID AMIDES AND A PROCESS OF PREPARING THEM
Ludwig Orthner and Gerhard Balle, Frankfort-on-the-Main, Karl Horst, Hofheim in Taunus, and Heinz Schild, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 29, 1939, Serial No. 287,246. In Germany August 8, 1938
4 Claims. (Cl. 260—513)

1. The process which comprises causing sulphonic acid amides containing an organic radical having at least 4 carbon atoms in a chain prepared by condensing ammonia with a product obtained by simultaneous action of chlorine and sulphur dioxide upon saturated aliphatic hydrocarbons to react with a member of the group of formaldehyde and compounds yielding formaldehyde and with a salt of the group consisting of amino-carboxylic and amino-sulphonic acid salts.

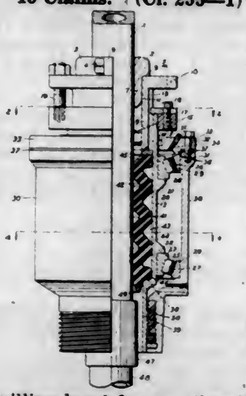
2,243,438
AUTOMATIC MULTICIRCUIT CONTROL SWITCH
Arthur B. Poole, Bristol, Conn., assignor to The E. Ingraham Company, Bristol, Conn., a corporation of Connecticut
Application July 3, 1939, Serial No. 282,591
6 Claims. (Cl. 200—27)



2. An automatic multicircuit control-switch,

including in combination: a hollow body-member having a first annular series of tangential seats therein and a second annular series of tangential seats also located therein; a series of movable contact-carriers respectively associated with one of the said first series of annular seats in the said body-member; a movable-contact carried by each of the said movable contact-carriers; a second series of contact-carriers respectively associated with one of the second annular series of tangential seats in the said body-member; a second series of contacts respectively carried by the said second series of contact-carriers; rotary-means for actuating the said movable contact-carriers; a plurality of fastening-members extending from the interior to the outer periphery of the said hollow body-member and respectively holding one of the aforesaid series of contact-carriers in place against their respective tangential seats in the said body-member, each of the said fastening-members being in electrical communication with the contact-carrier which it holds in place and providing an electrical path therefor independently of the other of said fastening-members; and a connecting-ring mounted within the said hollow body-member and having portions engaged with each of the other of the said series of contacts to electrically interconnect the same.

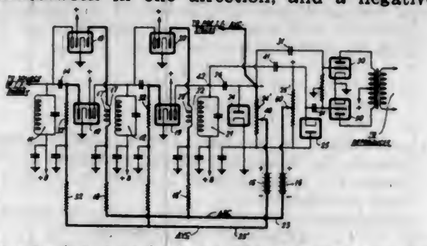
2,243,439
PRESSURE DRILLING HEAD
Albert Pranger and Samuel Allen Guiberson, III, Dallas, Tex., assignors to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware
Application January 18, 1938, Serial No. 185,482
15 Claims. (Cl. 255—1)



1. In a drilling head for an oil well, a resilient packing member provided with circumferential inner and outer valleys, with intervening ridges and adapted to receive either a square member or a round member, and manually controlled means to control the compression of said packing means and a rotatable housing in which said packing member is mounted.

2,243,440
WAVE TRANSMISSION CIRCUITS
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application September 30, 1936, Serial No. 103,230. Divided and this application September 29, 1937, Serial No. 166,248
2 Claims. (Cl. 178—44)

1. A wave filter composed of sections each of which consists of a pair of pure reactance networks having positive one-way transconductance therebetween in one direction, and a negative



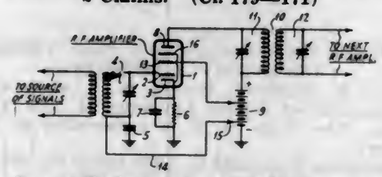
one-way transconductance therebetween in the opposite direction, said filter being terminated by substantially its iterative impedance.

2,243,441
SHAVING DEVICE
Clyde T. Russell, Glasco, Kans.
Application October 2, 1939, Serial No. 297,554
15 Claims. (Cl. 30—43)



1. A shaving device comprising a housing having a drive shaft rotatably mounted therein, a frustro-conical slotted shell extending from said housing and having a spiral blade therein joined axially with said shaft, said shaft having screw threads thereon, a nut on said shaft intermediate its length, a gasket or the like near the blade end of said shaft, a second nut on said shaft lying against said gasket between said first nut and said gasket, a coiled spring surrounding said shaft between said nuts and normally urging said nuts apart, an opening through said housing, said first nut having a plurality of peripheral holes therein and being positioned radially inward from said opening.

2,243,442
HIGH GAIN SIGNAL AMPLIFIER
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 1, 1938, Serial No. 211,155
2 Claims. (Cl. 179—171)



1. In a radio frequency amplifier circuit of the type employing a tube having at least a cathode, signal grid and plate, and which tube is constructed to have a relatively high mutual conductance, a signal input circuit connected between the signal grid and cathode, a resistor in the cathode circuit which has a high resistive magnitude which is much larger than the reciprocal of the said conductance thereby providing an abnormally high negative bias for the signal grid, a signal output circuit connected between the cathode and said plate, and means, connected solely between the low potential end of

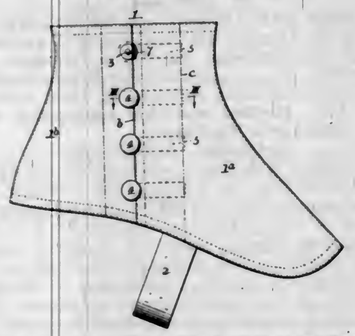
the input circuit and the low potential end of the said resistor, providing a positive potential difference between the signal grid and cathode in opposition to said abnormally high negative bias to reduce the effective grid bias to a small negative value with respect to the tube characteristic grid current point whereby the tube operates with maximum transconductance for weak signal amplification without drawing grid current.

2,243,443
MIXER
Frederick E. Sette, Oakland, Calif.
Application April 12, 1939, Serial No. 267,373
9 Claims. (Cl. 259—132)



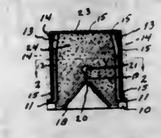
1. In a mixing device, the combination with a driving head comprising a casing, a driving gear therein and driven pinions provided with aligned mountings fixed in said casing and meshing with said gear, of a mixer assembly comprising tubular shafts at least one of which is in splined connection with a pinion, at least one mixer mounted on the shaft having such splined connection, and a supporting rod extending through said shafts and pinions and supported from opposite sides of the casing, said assembly being bodily removable from said head, together with impositive detent means on said head yieldably engageable with said rod for releasably maintaining the mixer assembly in operative connection with said head.

2,243,444
SPAT
Israel Sharp, Philadelphia, Pa.
Application February 18, 1939, Serial No. 257,239
15 Claims. (Cl. 36—2)



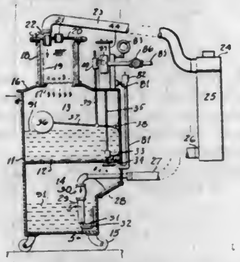
1. In a leg covering of the character described having a portion including a plurality of plies, fastening means including complementary engaging elements for securing said covering in place, an elastic tape to which one element of the fastening means is secured; said tape being mounted between said plies of material and one of the latter having a notched edge, and means for securing the plies together adjacent said notch; such securing means being omitted in one ply at the notch whereby an opening is provided between the plies for the passage of the elastic tape.

2,243,445
COMBINATION EXPANSIBLE ABSORBENT RECEPTACLE FOR INVESTMENTS
Charles E. Summy, Paullina, Iowa
Application July 8, 1939, Serial No. 283,467
4 Claims. (Cl. 22—97)



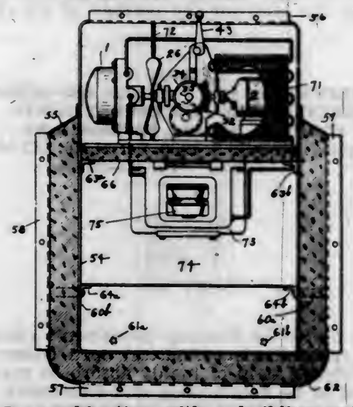
1. A device for forming investments comprising a substantially cylindrical open framework, a lengthened strip of highly absorbent material adapted to be wound upon said framework, said strip having a plurality of spaced perforations at one end thereof to provide a single ply perforated investment receiving member, the further portions of said strip adapted to provide further absorbing plies, when said strip is wound continuously about said framework.

2,243,446
FLUSHER FOR AUTOMOBILE RADIATORS
Max Terlesky and Louis W. Stremich, Portland, Oreg.
Application September 5, 1939, Serial No. 293,397
2 Claims. (Cl. 141—1)



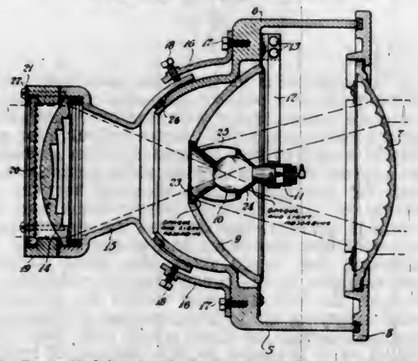
2. An apparatus of the class described having in combination a portable aerating compartment, a storage compartment mounted over said aerating compartment, a float controlled valve for permitting liquid to flow by gravity from said storage compartment to said aerating compartment, pipes for providing communication between the bottom of the aerating compartment and one end of a radiator, and between the storage compartment and the other end of the radiator for returning the liquid from the lower aerating compartment to the upper storage compartment through the radiator, and means for automatically supplying air to the aerating compartment during intervals of time when said float controlled valve is closed for the purpose of returning the liquid from the lower aerating compartment to the upper storage compartment.

2,243,447
REFRIGERATING APPARATUS
Harry R. Van Deventer, New York, and Samuel C. McKeown, Mount Vernon, N. Y., assignors to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Original application August 7, 1929, Serial No. 384,014. Divided and this application January 21, 1937, Serial No. 121,550
2 Claims. (Cl. 62—89)



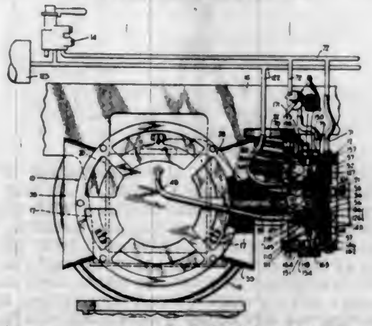
1. In combination with a building wall having an aperture therein, a refrigerator cabinet within said aperture comprising an inner box-shaped metal shell having its open side substantially in the face of the wall, an outer shell forming a pocket with said inner shell at the bottom, back and sides of the latter, insulating means between said inner and outer shells, said inner and outer shells being provided with flange means adjacent their front edges, and a cabinet front covering the aperture in said building wall and being fastened to said flanges, said cabinet front being provided with a door for access to the compartment enclosed by said inner shell.

2,243,448
LIGHT SIGNAL
Wesley B. Wells, Wilkinsburg, and William K. Lockhart, Penn Township, Allegheny County, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 27, 1939, Serial No. 270,348
4 Claims. (Cl. 177—329)



1. In a light signal, in combination, a housing having two opposed aligned openings, a first lens mounted in one opening of said housing, an electric lamp having its filament positioned on the axis of said openings at the focal point of said lens for projecting a beam of light for said signal through said first lens, a second lens mounted in the other opening of said housing, a reflector for projecting light from said lamp to said second lens and having a focal point coincident with said first mentioned focal point and an opening through which light from said lamp passes to said first lens, and two opaque screens mounted adjacent said source to intercept light rays entering the signal through either lens in any direction to pass through the opening in the reflector to illuminate the other lens, said screens being so proportioned and disposed as to be out of the path of light rays originating at said lamp and emitted therefrom in the direction to impinge upon said first lens or said reflector.

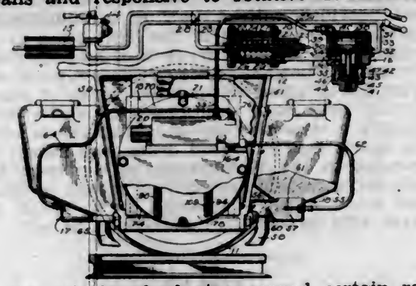
2,243,449
BRAKE CONTROL MEANS
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 31, 1940, Serial No. 316,560
14 Claims. (Cl. 303—21)



3. A torque controlled brake apparatus for a vehicle comprising braking means, a brake control device operative to determine the degree of application of the brakes and including movable abutment means subject to the opposing forces of a variable fluid pressure and of braking torque produced by said braking means, and changeover means operable to vary the amount of the area of said movable abutment subject to said fluid pressure, in accordance with the type of railway service in which the vehicle is operated.

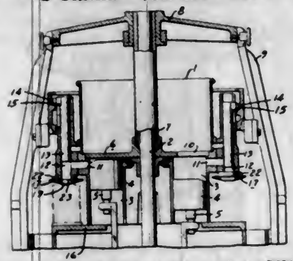
2,243,450
BRAKE AND SANDING CONTROL MEANS
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application January 12, 1940, Serial No. 313,513. Divided and this application March 30, 1940, Serial No. 326,927
8 Claims. (Cl. 291—2)

1. Vehicle brake and sanding control apparatus comprising, in combination, manually operated means for controlling the application and release of the brakes associated with a wheel of the vehicle, means operative to effect sanding, brake control means operative while the manually operative means is conditioned to cause application of the brakes to effect release of the brakes and subsequent reapplication thereof, and means responsive to the rotative deceleration of the vehicle wheel at a rate in excess of a certain rate for effecting operation of said sanding means and responsive to rotative deceleration



of the vehicle wheel at a second certain rate higher than the first certain rate for effecting operation of the brake control means.

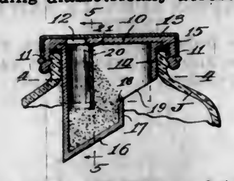
2,243,451
FILLING MACHINE
Edward G. Bauer, Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application July 15, 1938, Serial No. 219,413
1 Claim. (Cl. 226—129)



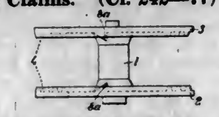
In a rotary filling machine for filling a continuous series of cans or the like with liquid or semi-liquid material, having a reservoir for the material, a series of nozzles to discharge the material from said reservoir into the cans, and means to support the cans beneath said nozzles in filling position: a guard on the discharge end of each nozzle, said guard having a frusto-conical surface on the under side thereof inclined upwardly and outwardly with respect to the axis of the can, said surface extending outwardly beyond the upper rim of the can and being spaced apart from said rim to provide an annular space through which air displaced from the can during the filling operation is vented, whereby drops of liquid and vapor rising from the interior of the can during the filling operation will impinge on said surface, the liquid collecting on said surface then flowing by gravity down the inclination thereof to be returned to the can.

2,243,452
MEASURING AND DISPENSING DEVICE
Clarke A. Bickel and Paul F. Danielson, Los Angeles, Calif.
Application October 16, 1939, Serial No. 299,688
2 Claims. (Cl. 221—98)

1. In a measuring and dispensing device, a cap adapted to be removably positioned upon the mouth of a container, said cap being provided with a discharge opening, a tube depending from said cap, an inclined bottom plate closing a portion of the lower end of said tube, the other portion of the lower end of said tube being inclined and occupying a plane above and parallel with said inclined plate, a vertically disposed wall formed integral with and projecting upwardly from the upper edge of said inclined plate, said wall extending diametrically across the intermediate portion of said tube and terminating at the lower end of the inclined opening into said tube and a partition removably positioned within said tube between the discharge opening in said cap and the upper edge of said diametrically disposed wall.

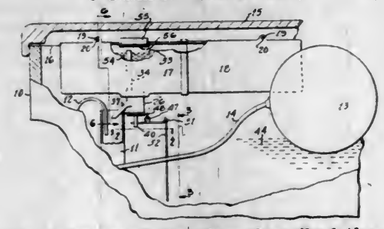


2,243,453
SUPPORTING SPOOL FOR SPIRALLY COILED FILM IN FILM DEVELOPING DEVICES
Ferdinand Busse, Munich, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application October 6, 1939, Serial No. 298,191
In Germany October 6, 1938
4 Claims. (Cl. 242—77)



1. A developing reel for daylight developing tanks comprising in combination a core, two flanges affixed to said core, each having spiral ribs on the inner side thereof, the distance between the ribs of one flange and the ribs of the other flange being smaller than the breadth of the film, raised end pieces being arranged at the innermost end of said ribs to render the distance between the endpiece of the rib of one flange and the endpiece of the ribs of the other flange smaller than the distance between said ribs.

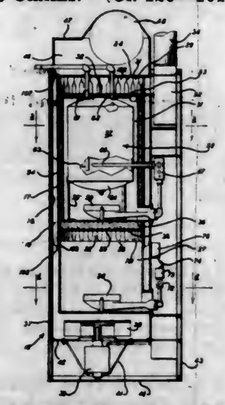
2,243,454
DISPENSER FOR DISINFECTANTS
Lee C. Collinge and John H. Layman, Portland, Oreg.
Application December 30, 1939, Serial No. 311,782
5 Claims. (Cl. 4—227)



1. In a device of the class described the combination of a water supply tank having an upright overflow pipe therein, together with a container for chemicals in fluid form, said container having an outlet in the bottom thereof discharging into said overflow pipe, a metering valve for controlling the flow of liquid from said container

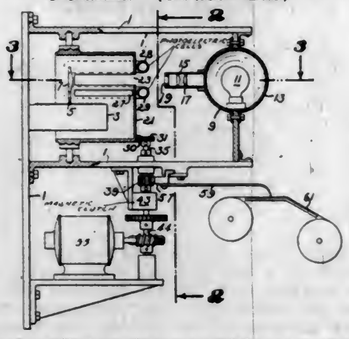
to said overflow pipe and means for actuating said valve from the float mechanism of the toilet tank.

2,243,455
COMBINATION FURNACE AND WATER HEATER
Arthur Doherty, Los Angeles, Calif.
Application June 17, 1940, Serial No. 340,865
10 Claims. (Cl. 126—101)



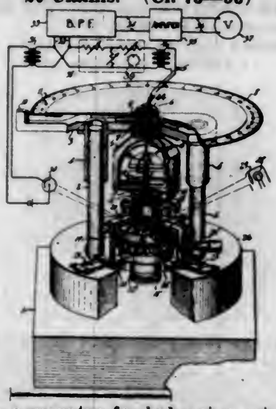
1. In a combination furnace and water heater, a unitary housing, coaxially disposed inner and outer casings mounted within said housing and spaced apart to define a passageway therebetween, a radiating shell disposed within said passageway and defining an inside and an outside duct separated only by said shell, a firebox disposed below said inner casing and communicating with said inside duct, means providing a flue communicating with the upper end of said inside duct, means providing an air inlet to said housing below said firebox, said outer casing extending downwards past said firebox to guide air moving upwards from said inlet into said outside duct, means adjacent the top of said housing providing a plenum into which said outside duct leads, a boiler mounted within said inner casing above said firebox, and supply and outlet pipes communicating with said boiler.

2,243,456
FOLLOW-UP MECHANISM
Donald D. Dutter, Big Creek, Calif.
Application August 14, 1939, Serial No. 290,139
8 Claims. (Cl. 250—41.5)



4. A recording meter comprising a responsive mechanism having a rotatable shaft, a mirror mounted on said shaft, means for directing light in beam form upon said mirror, a shutter drum mounted substantially coaxially with said shaft and provided with a pair of circumferential apertures in the path of the light beam as reflected from said mirror, each of said apertures occupying a portion of the circumference of said drum not occupied by the other, a pair of photoelectric cells each positioned to receive light through a respective one of said apertures, driving means geared to said drum, and means responsive to the illumination of the respective cells for actuating said driving means to rotate said drum in such direction as to occult the beam with respect to the illuminated cell.

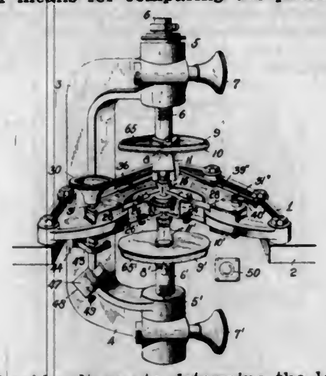
2,243,457
METHOD AND APPARATUS FOR BALANCING ROTORS
Orland E. Esval, Summit, and Carl A. Frische, Leonia, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application July 18, 1936, Serial No. 91,444
20 Claims. (Cl. 73—53)



2. In an apparatus for balancing rotors, means for receiving and supporting a rotor, means for rotating the rotor, means for supplying an alternating E. M. F. of a frequency corresponding to the speed of the rotor, said supply means comprising a photocell activated by a beam of light reflected from the rotor having a spot thereon, electromagnetic means for coupling to said rotor supporting means to produce an alternating E. M. F. responsive to the unbalance of the rotor, and indicating means arranged to be controlled in response to said E. M. F.'s.

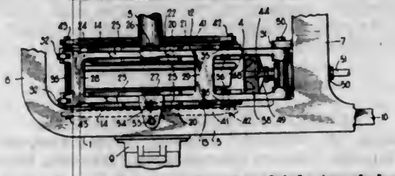
2,243,458
APPARATUS FOR BALANCING ROTORS
Orland E. Esval, Allendale, and Carl A. Frische, Leonia, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application June 12, 1937, Serial No. 147,816
Renewed January 17, 1940
19 Claims. (Cl. 73—53)

1. In an apparatus for balancing rotors, means for pivoting the rotor and its frame in one plane, means for measuring the vibration of said rotor in another plane without actually contacting said rotor or its frame, said measuring means being adjustable for producing a voltage variable as to phase, means for producing a reference voltage dependent on the speed of the rotor, and indicator means for comparing the phase posi-



tions of said voltages to determine the location of unbalance.

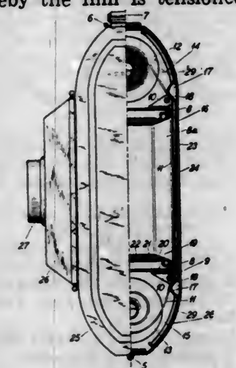
2,243,459
BRAKE MECHANISM
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 29, 1939, Serial No. 270,776
24 Claims. (Cl. 188—58)



1. A brake mechanism for a vehicle truck having a wheel and axle assembly, a journal bearing on said assembly, and a truck frame comprising a side piece secured to said bearing and being capable of movement vertically relative to said bearing, said mechanism comprising a member secured against rotation and having a brake release position and being movable therefrom relative to said side piece in the direction of said assembly for effecting braking thereof, actuating means for moving said member, a vertically arranged spring extending through said side piece and supported on said journal bearing, means connecting the upper end of said spring to said member, said spring being operative to support said member in said brake release position and to provide for movement of said member by said actuating means in the direction of said assembly for effecting an application of the brakes.

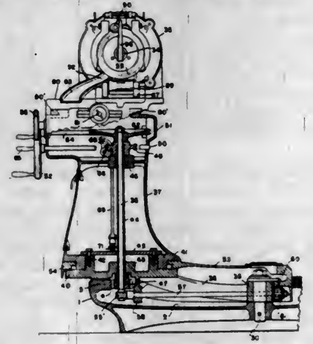
2,243,460
CAMERA CONSTRUCTION
Edwin L. Fischer, Endwell, N. Y., assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application April 22, 1939, Serial No. 269,511
2 Claims. (Cl. 95—31)

1. A roll film camera having film spool chambers, a focal plane supporting surface for the light sensitive film positioned between said chambers, and a closure member provided with two film viewing windows each said window being near the edge of said focal plane surface and one of said chambers, said closure member having two inwardly extending ribs adapted to engage the film directly adjacent the edges of said supporting surface and the respective spool chambers, whereby the film is tensioned evenly and



held against inadvertent slippage with respect to the supporting surface and light from the viewing windows is excluded from the film spool chambers.

2,243,461
TIRE TREAD SURFACING MACHINE
Curtiss X. Haskins, Spokane, Wash., assignor of one-half to Isaac G. Parsons, Spokane, Wash.
Application March 18, 1939, Serial No. 262,765
10 Claims. (Cl. 29—76)

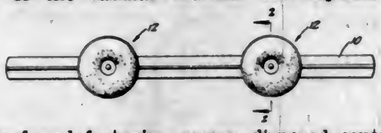


1. In a tire-tread surfacing machine, the combination with a rotary tire holder, means for adjusting and means for revolving the holder, of a mount having rotary tools at its opposite ends, a rotatable column supporting said tool mount and having lower notches, a machine base, pivoted means on the base for supporting said column, a rotatable adjusting plate and having spaced notches alignable with said lower notches on the tool column, between the column and the pivoted means, means for rotating said adjusting plate, and spring held means detachably engaged in said aligned notches to lock said column to said adjusting plate.

2,243,462
SHOCK ABSORBING ELEMENT
Rollie B. Fageol, Beverly Hills, Calif.
Application June 19, 1939, Serial No. 279,882
6 Claims. (Cl. 293—55)

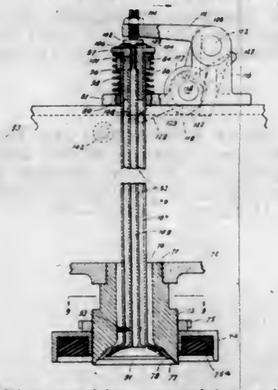
1. An article of manufacture made of rubber and comprising an annular tubular member within which air is sealed, said tubular portion being

formed integral with an intermediate web by which the structure is mounted for use, the web lying in a plane at right angles to the central axis of the tubular member and equatorially



thereof and fastening means disposed centrally of said web and by which the article may be secured across the front face of an automobile bumper.

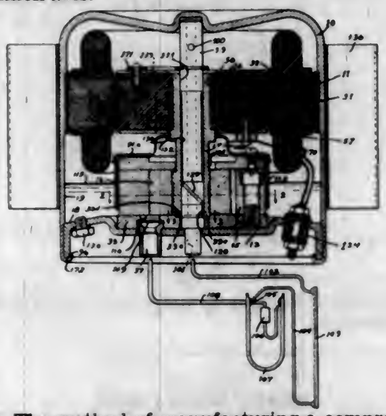
2,243,463
FILLING VALVE
Charles E. Kerr, Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application August 14, 1937, Serial No. 159,155
29 Claims. (Cl. 226—98)



6. A filling machine comprising a tank having an apertured bottom wall, valve body means mounted in an aperture of said wall, a pair of telescoped tubes extending upwardly through said valve body means, the outer tube having an end seated against said valve body means to close the annular filling passage provided between said outer tube and said valve body means, and the inner tube having an end seated against said outer tube end to close the annular vent passage provided between said tubes, the passage within said inner tube providing a can release passage, means associated with the upper ends of said tubes above the level of liquid in said tank to control relative movement therebetween, and valve means at the upper end of said inner tube for closing the upper end of said can release passage during filling of a can by the valve.

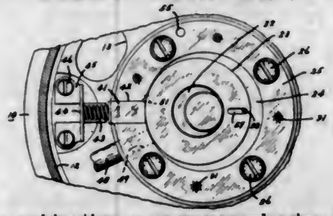
2,243,464
METHOD OF MAKING MOTOR-COMPRESSOR UNIT FOR REFRIGERATION
Andrew A. Kucher, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Original application September 30, 1932, Serial No. 635,556. Divided and this application April 30, 1937, Serial No. 139,989
9 Claims. (Cl. 29—156.4)

1. The method of manufacturing a compressor part which comprises producing a cup-shaped member by a drawing operation, securing said member to a face plate of a lathe, and while thus secured removing material from the inside of said cup-shaped member so as to form a plurality of cylindrical surfaces all coaxial about the common axis of said member and to form a plane abutting surface on said member at right angles to said common axis.



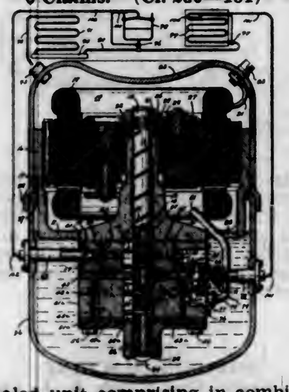
3. The method of manufacturing a compressor cylinder with a divider block slot which comprises forming a slot in a roughly formed annulus and finishing the slot to size, clamping a spacing block in the slot and finishing to size the internal cylindrical surface of the annulus, and machining the end surfaces parallel to one another and perpendicular to the internal cylindrical surface.

2,243,465
REFRIGERATING APPARATUS
Andrew A. Kucher, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 4, 1939, Serial No. 271,749
4 Claims. (Cl. 230—145)



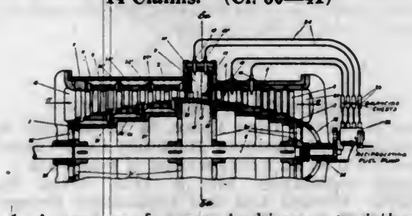
1. In combination, a compressor having a plurality of walls forming a chamber provided with an inlet and an outlet, a ring disposed within said chamber and having an outer surface of smaller diameter than said chamber, means disposed within said ring and located eccentrically with respect to the axis of said chamber, means for rotating said eccentrically located means about the axis of said chamber to gyrate said ring therein, a divider block separate from and independent of said ring located in a wall of said chamber intermediate said inlet and said outlet thereof on one side of said eccentric, means forcing said divider block into abutting engagement with the outer surface of said ring whereby the block is reciprocated by the gyratory movement of said ring, and means preventing rotation of said ring relative to said chamber during gyration thereof within the chamber, said last named means being offset relative to the axis of said chamber and disposed entirely on the side of said eccentric opposite said block.

2,243,466
REFRIGERATING APPARATUS
Andrew A. Kucher, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 25, 1940, Serial No. 325,737
6 Claims. (Cl. 230—181)



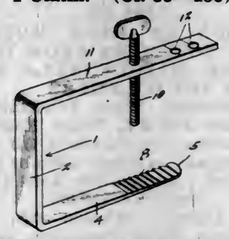
1. A sealed unit comprising in combination, a casing having a motor and a compressor disposed therein, said casing being under compressor discharge pressure, said motor having a shaft extending therefrom, said compressor including a plurality of fluid compressing means driven by said motor shaft, each of said plurality of fluid compressing means having an inlet and an outlet, a pipe sealed to and passing through a wall of said casing and communicating with one of said compressing means for conveying fluid thereto from exteriorly of the casing, a closed conduit communicating with the outlet of said one compressing means and with the inlet of another of said compressing means for conveying fluid compressed by said one compressing means to said another compressing means whereby fluid entering said compressor through said pipe is compressed in stages by both compressing means and thereafter discharged into said sealed unit, and a second pipe sealed to and passing through a wall of said casing and communicating with said closed conduit for conveying fluid directly to said another compressing means from exteriorly of said casing whereby fluid entering said compressor through said second pipe is compressed only by said another compressing means and thereafter discharged into said sealed unit.

2,243,467
PROCESS AND EQUIPMENT FOR GAS TURBINES
George Jendrassik, Budapest, Hungary
Application August 10, 1937, Serial No. 158,334
In Hungary February 13, 1937
14 Claims. (Cl. 60—41)



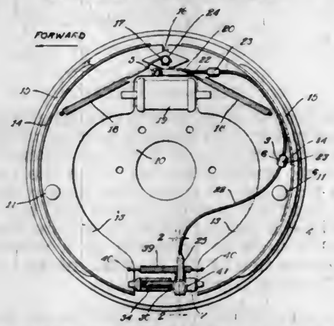
1. A process for gas turbines, consisting in effecting the introduction of heat by introducing fuel into the compressed working medium and burning a part thereof in a part of the working medium, i. e. so as to concentrate combustion to a portion of the working medium only, before the inlet into the turbine and by burning another part of the fuel during expansion, in the gas current formed by the totality of the working medium, in the turbine itself, advantageously at a practically constant temperature, and in following this latter fuel combustion by a further expansion approaching more the adiabatic than the isothermic, preferably without any heat introduction.

2,243,468
ROOF CLAMP
Henning E. Johnson, Everett, Wash.
Application May 10, 1940, Serial No. 334,434
1 Claim. (Cl. 33—188)



A roof clamp comprising a U-member including a lower leg and a comparatively long upper leg, said lower leg being engageable beneath a shingle of the roof and including teeth adapted to bite into said shingle, the U-member being adapted for the reception of a straight edge, and a set screw mounted in the upper leg and engageable with the straight edge for securing same in position, the free end portion of said upper leg having spaced sight openings therein to facilitate setting the straight edge in different positions.

2,243,469
SELF-ADJUSTING BRAKE SHOE
James Milus Moore, San Diego, Calif., assignor of forty-nine per cent to Paul Wood, San Diego, Calif.
Application September 23, 1940, Serial No. 358,000
2 Claims. (Cl. 188—79.5)



1. In brake mechanism having a stationary backing plate, primary and secondary brake shoes floating on the backing plate, means connected to the upper ends of the brake shoes for setting and releasing the brake shoes, an adjusting assembly between the lower ends of the brake shoes formed of telescopically assembled screw-threaded members, and a spring connected to

the brake shoes to hold the adjusting assembly in place, the combination of a ratchet wheel on one of the adjusting assembly members for moving the members relatively to each other in a rectilinear direction to increase the effective length of the adjusting assembly, a housing, a pawl slidably mounted in the housing engaging the ratchet wheel, a flexible control cable connected at one end to the pawl and connected at the other end to the primary brake shoe remote from the adjusting assembly, and a helical compression spring in the housing above the pawl, said cable being responsive to movement of the brake shoes when the brakes are applied to raise the pawl and compress the helical spring, said helical spring moving the pawl to turn the ratchet wheel when the cable is released by release of the brake to automatically adjust the brake shoes.

2,243,470

PRODUCTION OF HIGH MOLECULAR WEIGHT POLYMERS FROM ISO-OLEFINS AND HALOGENATED DERIVATIVES OF THE POLYMERS

Arnold J. Morway, Clark Township, Union County, and Floyd L. Miller, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application April 21, 1939, Serial No. 269,096

7 Claims. (Cl. 260—94)

1. The process which comprises polymerizing isobutylene in the presence of carbon tetrachloride with boron fluoride as catalyst, at a temperature below —10° C.

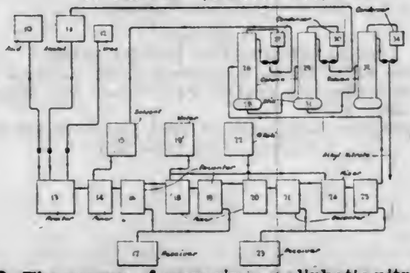
2,243,471

MANUFACTURE OF NITRIC ACID ESTERS

John F. Olin, Grosse Ile, Mich., assignor to The Sharples Solvents Corporation, Philadelphia, Pa.

Application November 15, 1938, Serial No. 240,513

20 Claims. (Cl. 260—467)



2. The process of preparing an aliphatic nitrate which comprises continuously passing nitric acid and an aliphatic alcohol together through a reaction zone, continuously removing the reaction mixture from said reaction zone during the feed of nitric acid and alcohol thereto, and thereafter separating the desired aliphatic nitrate from the reaction mixture so produced by a process involving extraction of the reaction mixture with a solvent for said aliphatic nitrate.

2,243,472

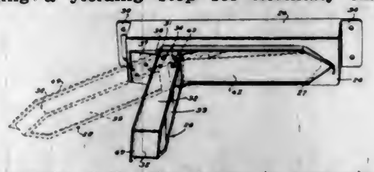
SIGNALING SYSTEM FOR VEHICLES

Carl M. Roan, Oliver E. Kaupang, and Arthur W. Rohlen, Minneapolis, Minn., assignors to Beacon Safety Signal Co.

Application January 20, 1939, Serial No. 251,930

7 Claims. (Cl. 177—329)

1. In a signaling mechanism for vehicles, a mounting member adapted for application to the side wall of a vehicle, a signal arm pivotally mounted on said mounting member for angular movements materially in excess to 90°, means for moving the signal arm pivotally from an operative to an inoperative position and means including a yielding stop for normally limiting



movements of the signal arm to approximately 90°, said yielding stop means being operative to determine the maximum movement of the signal arm in an operative direction under all normal conditions but operating to yield under abnormally excessive opening pressure less than would be required to break the mechanism.

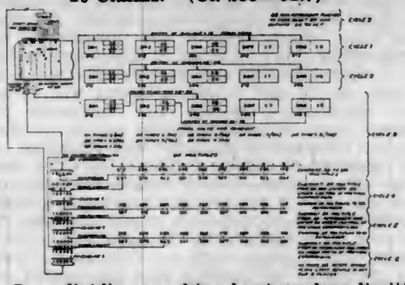
2,243,473

DIVIDING MACHINE

James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application July 8, 1936, Serial No. 89,570

10 Claims. (Cl. 235—61.7)



1. In a dividing machine having place limiting switching means for controlling the number of places to which a calculation is to be carried and including in combination, a quotient receiving device adapted to receive quotient entries in various orders, means to direct significant digit quotient entries therein in successive machine cycles, said entry directing means being ineffective in the event that a quotient amount in a particular order is zero, and control means controlled by said entry directing means and variably effected according to whether there is a significant digit entry in such order or with a zero standing in such order, and means controlled by said control means in the event such order stands at zero to control and modify the operation of the place limiting switching means to extend the control thereof for an additional place within the capacity limits of the machine.

2,243,474

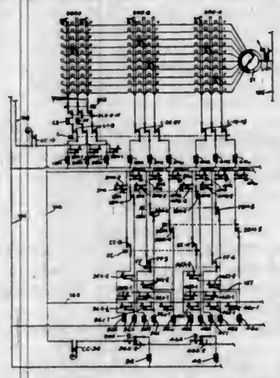
NUMBER COMPARING MEANS

James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Original application July 8, 1936, Serial No. 89,570. Divided and this application December 7, 1937, Serial No. 178,455

9 Claims. (Cl. 235—61.7)

1. A number comparing means for a calculating machine for determining which one of a plurality of multi-denominational numbers of different orders of magnitude is the greatest that is contained in a comparison amount of multi-denominational form, including in combination, a source of differentially timed electrical impulses, said impulses according to their differential time of emission representing the various digits, set up impulse transmitting readout means from which sets of differentially timed impulses representative of a plurality of different numbers of different magnitude and the comparison amount may be derived, comparing means for comparing the comparison amount with all of the different numbers concurrently, said comparing means including sets of elements brought into action at differential times depending upon the differential time



of receipt thereby of impulses representative of the comparison amount, other sets of elements brought into action at differential times depending upon the differential time of receipt thereby of impulses representing the other different numbers, and comparison result relays under the conjoint control of both of the foregoing sets of elements and disposed in sets each set related to each of the said respective different multi-denominational numbers, said comparison result relays indicating comparative magnitude of each of the numbers with respect to the comparison amount, and representing devices individual to said sets and controlled by certain of the comparison result relays for determining by their setup which one of the plurality of numbers is the greatest that is contained in the comparison amount.

2,243,475

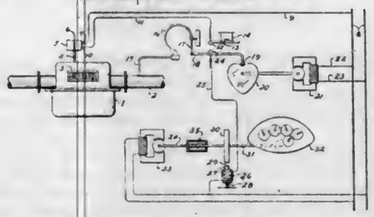
FLUID METER

Herbert Dallmann, Berlin-Karlshorst, and Hermann Ragnar Eggers, Berlin, Germany, assignors to General Electric Company, a corporation of New York

Application July 16, 1936, Serial No. 90,928

In Germany October 21, 1935

16 Claims. (Cl. 73—206)



1. In a fluid meter, in combination, means for producing electrical impulses of a frequency proportional to the rate of fluid flow, means for determining the magnitude of a condition of the flow fluid, a register, electromagnetic means under the control of said electric impulses for effecting an actuation of said register, and means controlled by said second named means for periodically preventing a number of said impulses from exercising a control of said electromagnetic means in accordance with the magnitude of said condition.

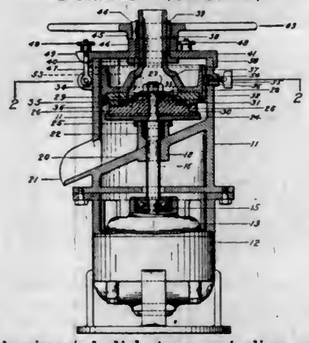
2,243,476

FOOD GRINDING MILL

Milford W. Hartmann, Hutchinson, Kans.

Application March 9, 1940, Serial No. 323,178

4 Claims. (Cl. 83—7)



1. A horizontal disk type grinding mill comprising a housing having its upper interior portion cylindrical in section and having a partition wall below the grinding members, a rotatable grinding disk having a horizontal grinding surface and an upstanding conical center portion at fixed elevation journaled in said wall, a removable cover for said housing, a holder carrying a stationary grinding disk supported by said cover adapted to fit within the cylindrical portion of said housing, means for feeding material to the center of and between said grinding disks, an apertured grinding disk in said holder, means associated with said feeding means for vertical adjustment of said stationary disk, non-adjustable bosses on the interior cylindrical portion of said housing for aligning the holder, and a movable key means opposite said bosses for holding said holder against said bosses.

2,243,477

INSECTICIDAL PROCESS

William F. Hester, Drexel Hill, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application July 19, 1938, Serial No. 220,003

2 Claims. (Cl. 167—30)

1. The process of controlling infestations of red spiders on plants which comprises applying to the infested plants a spray containing benzyl sulfide.

2,243,478

AIR CONDITIONING APPARATUS AND METHOD

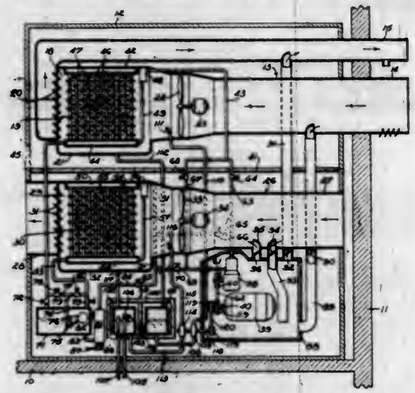
Marion F. Knoy, Long Beach, Calif.

Application December 6, 1937, Serial No. 178,435

4 Claims. (Cl. 183—120)

4. A method of operating an air conditioning apparatus of the character described including a first heat exchanger exposed to a stream of outdoor air and a second heat exchanger exposed to

a stream of indoor air and wherein one heat exchanger acts as a cooler and the other acts as a heater, said method comprising: providing a first body of an aqueous solution of non-volatile substance, the solution having substantially lower vapor tension than pure water; spraying liquid from said body on the exterior surfaces of said first heat exchanger; returning sprayed liquid drained from said first heat exchanger to said body; providing a second body of like aqueous



solution; spraying liquid from said second body on the exterior surfaces of said second heat exchanger for controlling the humidity of said indoor air stream; returning sprayed liquid drained from said second heat exchanger to said second body of liquid; and draining liquid from one of said bodies to the other of said bodies whereby water gained by condensation of moisture from the air at one of said heat exchangers will compensate at least in part for water lost by evaporation at the other heat exchanger.

2,243,479

INSECTICIDE

William F. Hester, Drexel Hill, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application February 25, 1939, Serial No. 258,468
3 Claims. (Cl. 167—30)

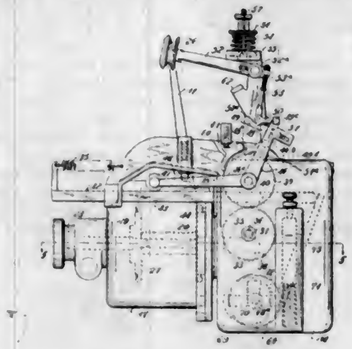
3. An agricultural insecticidal composition adapted for use on living plants comprising a compound from the group consisting of phenyl benzyl ether, phenyl benzyl ethers having an alkyl substituent on the phenyl group, and phenyl benzyl ethers having an aromatically bound nitro group, said compound having at least one halogen substituent of a relative weight above thirty attached to an aromatic ring.

2,243,480

REELING APPARATUS

Edwin J. McIlvried, Stow, and Norman H. Nye, Cuyahoga Falls, Ohio, assignors to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a corporation of Ohio
Application October 16, 1939, Serial No. 299,606
11 Claims. (Cl. 242—25)

1. In apparatus for winding material, a rotatable winding member for taking up the material, a drive for said member including means adapted to be shifted for varying the speed of said member, a reciprocable guide for guiding the material to different portions of said winding member, a positive drive for said guide, means connecting the guide driving means with said speed varying means for utilizing movement of the reciprocable guide for shifting the speed varying means, and



means engaging the material and adapted to be moved thereby for controlling the effectiveness of such movement utilizing means.

2,243,481

FURFURYL ALCOHOL RESIN

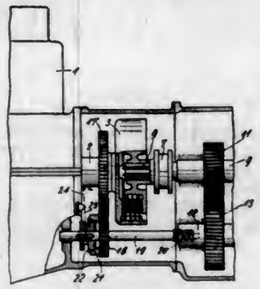
John G. Meller, Wausau, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
No Drawing. Application May 1, 1939, Serial No. 271,173
8 Claims. (Cl. 260—2)

1. A resin produced by reacting furfuryl alcohol and a substance selected from the group consisting of lignin-sulphonic acids and salts thereof.

2,243,482

POWER AND SPEED TRANSMISSION, ESPECIALLY IN MOTOR VEHICLES

Gustav Meyer, Friedrichshafen, Bodensee, Germany, assignor to Maybach-Motorenbau G. m. b. H., Friedrichshafen, Bodensee, Germany
Application February 10, 1940, Serial No. 318,345
In Germany February 10, 1939
10 Claims. (Cl. 74—339)

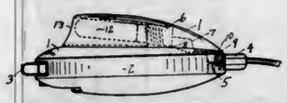


1. A power and speed transmission comprising: a motor shaft, a change speed gear for performing speed changes, including a main shaft and a lay shaft in constant driving connection with said main shaft, a disengageable main clutch between said motor shaft and said change speed gear, and means driven by the motor shaft and operative through the lay shaft to increase the speed of rotation of said main shaft when said main clutch is disengaged.

2,243,483

LIGHT ATTACHMENT FOR ELECTRIC RAZORS

Victor J. Molnar, Youngstown, Ohio
Application January 27, 1938, Serial No. 187,195
2 Claims. (Cl. 240—2)



1. A light attachment for electric razors adapted to illuminate the area being shaved and comprising a replacement lid section affixed to the said razor, the said replacement lid section having a light housing formed as a part thereof, an electric socket suitably positioned within said housing and adapted to receive a bulb, together with electrical connections comprising metal strips having clips formed on the extremities thereof and depending from the said replacement section and adapted to engage the electrical connection prongs of the said razor, flanges formed on the said replacement section adapted to engage portions of the said razor so as to definitely locate the said metal strips in relation to the electrical connection prongs of the razor.

2,243,484

PROCESS FOR THE PREPARATION OF MONOHALOGENATED KETONES

Glen H. Morey, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application April 28, 1939, Serial No. 270,662
8 Claims. (Cl. 260—593)

1. In a process for the production of halogenated aliphatic ketones, the step which comprises reacting, in the vapor phase, a mixture of an aliphatic ketone and a halogen chosen from the class consisting of chlorine and bromine, said mixture having a moisture content of less than 0.05%, based on the weight of the total mixture.

2,243,485

LUBRICANT

John M. Musselman, Cleveland, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application March 11, 1939, Serial No. 261,366
6 Claims. (Cl. 252—51)

1. As a lubricating composition, a mineral oil of lubricating viscosity and a small amount of an arylethyleneamine compound from the group consisting of phenyl and tolyl derivative with a carboxylic acid of the group consisting of fatty acids of at least ten carbon atoms and naphthenic acid.

2,243,486

METHOD OF COLOR PRINTING

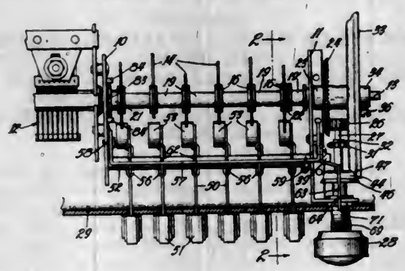
John J. Ormond, Boston, Mass., assignor of two-thirds to Joseph D. Ramsey, Boston, Mass.
No Drawing. Application October 2, 1940, Serial No. 359,393
12 Claims. (Cl. 101—211)

1. That improvement in methods of printing which consists in applying on an offset printing member a dense absorbent printing ink, selectively applying over the first ink while wet a second differently colored printing ink of a relatively thinner consistency adapted to penetrate into the first ink and form blended color parts throughout the thickness of the layer of the said first ink, then again selectively applying over the first and second inks while wet a third differently colored printing ink of a consistency different than that of either of the said first and second inks and adapted to be absorbed by each of the said first and second inks, thereby to effect further blending throughout the thickness of the layers of each of the said first and second inks, and then offsetting the blended inks in a wet state upon a surface to be printed, to provide a substantially dry printed, blended color image.

2,243,487

CONTROL APPARATUS FOR RADIO RECEIVERS

Alexander W. Plensler, Chicago, Ill., assignor to Belmont Radio Corporation, a corporation of Illinois
Application September 13, 1938, Serial No. 229,728
16 Claims. (Cl. 74—10)



1. Control apparatus for a radio receiver including in combination a rotary shaft, a frame for carrying said shaft, a plurality of control members supported on said shaft, means axially movable with said control members on said shaft for normally frictionally retaining the members against angular rotation on said rotary shaft, means for varying the friction on the control members on the rotary shaft and operatively connected therewith including a toothed wheel threadably secured on said rotary shaft, a second toothed wheel rotatably supported on said frame spaced from said rotary shaft and adapted for meshing with said first toothed wheel when the friction is varied and normally out of mesh at other times, finger engaging means for operative connection selectively with either said rotary shaft or said second toothed wheel for directly rotating either one or the other, and means for retaining the rotary shaft stationary while said first toothed wheel is rotated by the rotation of the second toothed wheel in mesh therewith.

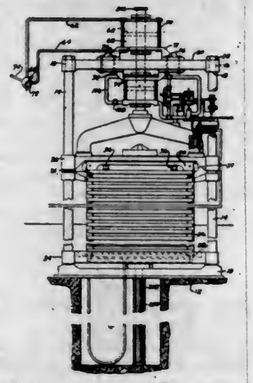
2,243,488

ELECTRIC WELDING APPARATUS

Frank H. Rehse, Dayton, Ohio, assignor of one-fifth to Max Isaacson, Dayton, Ohio
Application November 30, 1938, Serial No. 243,239
42 Claims. (Cl. 219—4)

1. An electric flash welding machine comprising devices arranged to hold the articles to be welded, means arranged to produce relative movement between said devices to bring the articles to be welded into engagement and to exert pressure thereupon, means arranged for supplying welding current to said articles during said

movement including variable means movable with one of said devices for controlling, at will,



the distribution of current flow through said articles.

2,243,489

PROCESS OF MAKING AN ALUMINUM BONDING METAL

Frank B. Smith, Storm Lake, Iowa, assignor to Stolac Laboratories, Storm Lake, Iowa

No Drawing. Application May 18, 1940, Serial No. 336,003
6 Claims. (Cl. 75—178)

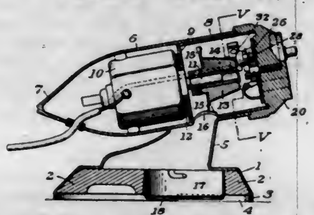
1. The process of making an aluminum bonding metal comprising, the taking of a copper base pot metal, comprising approximately 13.6% aluminum, 2.8% copper, 3.9% tin, 79.3% zinc, and .3% extraneous material the addition of approximately 1% of the weight of the mass of powdered aluminum to the base metals, the heating of the mass until the melting point is reached, the addition of a catalytic agent comprising acetylsalicylic acid and acetphenetidin in the approximate proportion of seven to five respectively to each other to the mass, and finally the drawing and cooling of the resultant combined metals into bars.

2,243,490

PENCIL SHARPENER

Raymond R. Walker, Follansbee, W. Va., assignor of one-half to George S. Hahne, Follansbee, W. Va.

Application October 10, 1939, Serial No. 298,807
5 Claims. (Cl. 120—96)



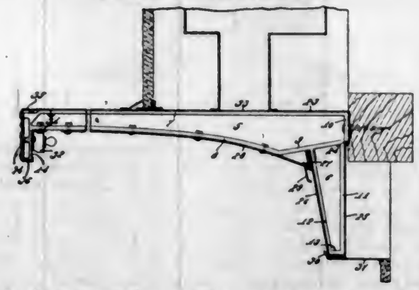
4. A pencil sharpener comprising an abrading drum and means for rotating it, an enclosure about the drum, means at one end of the enclosure for holding a pencil at an angle to the periphery of said drum for pointing the pencil, a passageway leading from said enclosure, and means driven with the drum for forcing air and solid particles from the enclosure through said passageway, and a dust-collector in which said passageway terminates.

2,243,491

SERVING COUNTER HOOD

Charles H. Whitenack, New York, N. Y., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware

Application June 7, 1939, Serial No. 277,813
3 Claims. (Cl. 98—115)



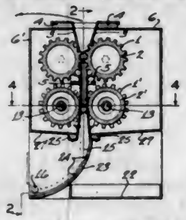
1. A canopy for service counters, comprising a plurality of brackets adapted to be secured against a wall, each comprising a vertical leg having an upwardly and forwardly inclined front portion and a substantially straight rear portion, and a horizontal leg extending from the vertical leg, a sheet metal facing secured to the front face of the vertical leg, retainer strips arranged at the top and bottom of said facing having a portion spaced apart from the facing and adapted to face one another, and a sheet metal facing secured to the under side of the horizontal legs having its surface formed for reflector purposes.

2,243,492

MEAT TENDERIZER

Albert S. Wilson, St. Louis, Mo., assignor of one-half to Harry T. Floyd, St. Louis, Mo.

Application July 20, 1939, Serial No. 285,509
8 Claims. (Cl. 17—26)



1. A meat tenderizer having in combination two pairs of rolls mounted in upper and lower pairs, the rolls of each pair mounted on opposite sides of a central plane and having flat-topped projections arranged in lengthwise rows adapted to be disposed successively opposite each other under rotation of the rolls toward said central plane to dispose the flat tops of said projections closely adjacent when rotatably passing, and said projections being arranged in circumferential rows that are staggered on one pair of rolls relative to the projections on the other pair of rolls.

2,243,493

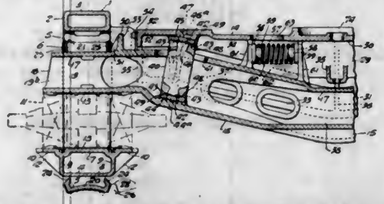
RAILWAY TRUCK

Donald S. Barrows, Rochester, N. Y., assignor to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland

Application December 10, 1937, Serial No. 179,185
28 Claims. (Cl. 105—179)

9. In a railway truck, in combination, a pair

of side frames each having a window opening defined by guide columns, a composite bolster movably connecting said side frames, said composite bolster comprising a transom bolster having end portions thereof extending into said window openings and resiliently supported by said



side frames, a pair of oppositely disposed pockets in said transom bolster adjacent each end thereof, spring means in each of said pockets, a rocker interposed between and normally engaging said spring means, and a lateral motion bolster relatively shorter than said transom bolster and supported by said rockers.

2,243,494

ROOF COVERING AND THE PROCESS OF COMPOUNDING SAME

Charlie A. Bartholomew, Van Nuys, Calif., assignor to the firm Woodworth & Turk, a copartnership between Oscar E. Woodworth and Frank J. Turk, both of Los Angeles, Calif.

No Drawing. Application March 10, 1939, Serial No. 261,042
2 Claims. (Cl. 106—36)

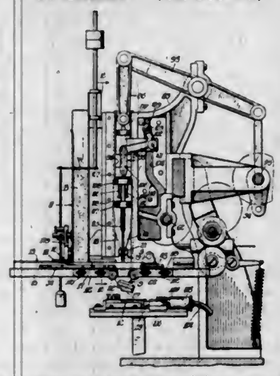
1. A light colored roofing compound composed of one hundred and sixty-five to one hundred and ninety-five pounds of lime; ten to fourteen pounds of tallow; ten to fourteen pounds of salt; one-fourth to three-fourths of a pound of glue, and water sufficient to slake the lime.

2,243,495

BRUSH MAKING MACHINE

John G. Baumgartner, Aurora, Ill., assignor to National Brush Company, Aurora, Ill., a corporation of Illinois

Application August 23, 1938, Serial No. 226,324
20 Claims. (Cl. 300—4)



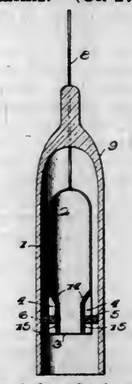
1. In a brush-making machine, a magazine for brush stock having an open end toward which the brush stock is biased in a direction perpendicular to the individual pieces thereof, and means for separating a tuft from said brush stock, including a picker bar having a slot therein and reciprocating adjacent the open end of the magazine, and having a retaining surface extending horizontally away from the slot on one side thereof and at times positioned to receive the stock thereon at the open end of the magazine, a separating claw extending from the other side of the slot overhanging the slot and dimensioned to extend to a height greater than the height of the horizontal retaining surface, and stationary packing means positioned at one side of the open end of the magazine and always entirely out of said open end for preventing movement of the stock with the retaining surface as the picker bar reciprocates whereby said claw scoops the stock resting on said horizontal surface into said slot thereby forcibly separating it from the remainder of the stock in the magazine, said packing means including a packing portion which extends downwardly beyond said retaining surface, and a separating portion substantially in engagement with said horizontal surface extending laterally away from the vertical direction of the magazine with an upwardly beveled face acting to minimize the tendency of the stock to catch between said packing means and the retaining surface.

2,243,496

ELECTRODE ASSEMBLY FOR NEON TYPE AND OTHER LUMINOUS TUBES

Burton A. Boore, Harrisburg, Pa.

Application October 21, 1939, Serial No. 300,630
4 Claims. (Cl. 176—126)



4. A luminous tube electrode assembly including a hollow cylindrical electrode having an outer rounded end wall and provided at its inner portion with an external longitudinal groove extending inwardly a relatively short distance from the inner end of the electrode, lead wires secured to the end wall of the electrode and adapted to be sealed into an end of a luminous tube, and an insulating ring arranged on the inner portion of the electrode and fitting the interior of the luminous tube and supporting the electrode coaxially within the same, said insulating ring having at its inner edge a projection slidably fitting said longitudinal groove, and said electrode having said groove flared at the inner end of the electrode to form a stop for confining the insulating ring on the electrode.

2,243,497

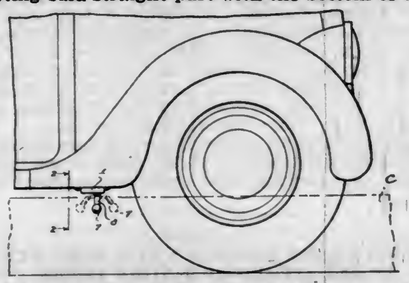
SWITCH

Joseph Alphonse Bougie, Berlin, N. H., assignor of one-fourth to Louis Paradis, Berlin, N. H.

Application October 3, 1939, Serial No. 297,749
1 Claim. (Cl. 200—52)

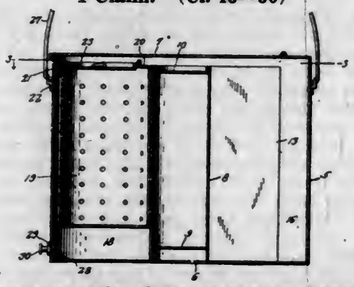
A curb alarm for a motor vehicle comprising

a casing attached to a part of the vehicle, a vertically arranged shaft journaled in the casing and having one end extending therefrom, an arm having one end connected with the extended end of the shaft with the arm extending outwardly from the motor vehicle for engagement with a curb or other obstruction if the vehicle should approach the curb too closely, a metallic plate connected to that part of the shaft within the casing, said plate having a recess in a part thereof with edge portions at each side of the recess forming cams, a spring having a coiled end terminating in a straight part located in the space formed by the coil, a locking member connecting said straight part with the bottom of the



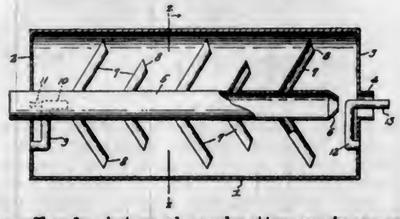
casing, the other end of the spring being bent into loop shape to provide a convex portion for fitting in the recess for holding the plate and the arm in a position extending at right angles from the vehicle and said convex portion engaging the cam parts, when the arm is moved to turn the plate, which causes the spring to move the plate back to its normal position, said plate having a hole therein, a plug of insulating material located in the hole, a contact arm located in the casing and having a bent end for engaging the plug when the parts are in inoperative position and means for connecting the arm last-mentioned to a part of the casing and to insulate the arm from the casing and means for connecting the contact arm to an alarm circuit.

2,243,498
BAIT PAIL
Frank Candioto, New Castle, Pa.
Application May 21, 1940, Serial No. 336,463
1 Claim. (Cl. 43—56)



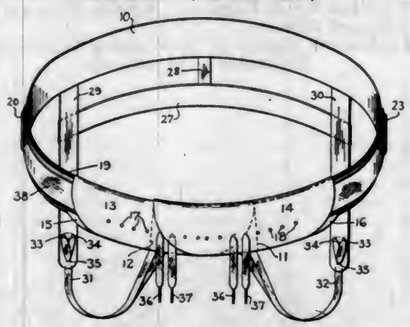
In a receptacle of the character described, a container provided with a central compartment and partitions radiating therefrom defining the container into a plurality of segmental compartments, a perforated segmental-shaped container for depending disposition in one of the segmental compartments, said one segmental compartment having a trough-like structure from one side partition to the opposed partition along the upper edge portion of its outermost wall, and a downwardly disposed flange on the segmental-shaped container adapted to rest in the trough-like structure and suspend the perforated segmental container in the said segmental compartment.

2,243,499
MUFFLER
Frank Carter, San Francisco, Calif.
Application April 30, 1940, Serial No. 332,586
1 Claim. (Cl. 181—43)



A muffler for internal combustion engines comprising a casing including front and rear end walls, said rear end wall having an outlet therein, a pipe, for receiving exhaust gases from an engine, extending longitudinally into the casing through the front end wall thereof and terminating in spaced relation to the outlet, a plurality of exhaust gas expansion branches projecting from said pipe in the casing, an air intake tube mounted in the forward portion of the casing and communicating, at its inlet end, with the atmosphere through the front end wall of said casing, said tube including a discharge end portion extending longitudinally in the pipe, and a Venturi tube extending longitudinally in the said discharge end portion of the first named tube, the forward end of said Venturi tube communicating with the pipe for receiving exhaust gases therefrom.

2,243,500
ABDOMINAL BELT
Joseph Ciarlelli, Waterbury, Conn.
Application January 3, 1940, Serial No. 312,209
1 Claim. (Cl. 128—167)

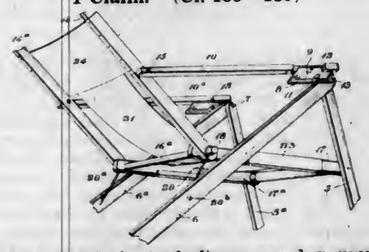


In an abdominal belt adapted to be opened at the front, a main strap adapted to encircle the waist of a wearer and having integral widened end flaps extending upwardly and downwardly from said main strap, a reinforcing strip narrower than said main strap and secured thereto outside thereof, a narrow loose belt slidably superimposed upon the outer surface of said reinforcing strip, a buckle secured to one end of said belt for attachment to the other end thereof, and means permanently connected to the mid portion of said main strap and adapted to be passed through the crotch of the wearer and to be detachably and adjustably connected to the front portions of the widened flaps of said main strap, when said flaps have been folded outwardly and downwardly to cover said buckle and the end of said loose belt.

2,243,501
CEMENT MASS
Karl Daimler and Heinz Thron, Frankfort-on-the-Main, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y.
No Drawing. Application June 7, 1935, Serial No. 25,506. In Germany June 16, 1934
7 Claims. (Cl. 106—24)

1. As a new composition of matter a mixture of cement and a water-soluble hydroxyethylated organic compound containing at least 8 carbon atoms and being free from sulfo groups.

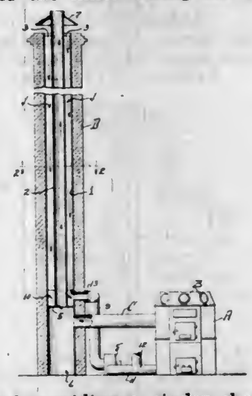
2,243,502
FOLDING CHAIR
Harry A. Freedman, New York, N. Y.
Application January 13, 1939, Serial No. 250,822
1 Claim. (Cl. 155—139)



A folding chair including rear leg members and a back frame of approximately equal length, front leg members pivotally assembled with a seatframe and arm rests to form with said back frame an approximate parallelogram movably supported on said rear legs on each side of the chair when it is set up whereby the chair when collapsed will provide a group of overlapping relatively short folding frames forming a relatively short compass or unit whose overall length approximately equals that of said rear leg member, means adjustably connecting the outer ends of said arm rests with the upper ends of said front legs whereby the angle of the back frame may be adjusted when in use, said means comprising a depending flat slotted ratchet plate rigidly embedded in and projecting below the front portion of each arm rest, pivot members connecting the upper end portion of each of said front legs and the upper end portion of each of said rear legs, each of said pivot members being slidably held in a notch of one of said ratchet plates, an integral fabric strip forming a seat and back of said chair, means swingably connecting the lower end of the back frame with the rear legs and positioned in a manner whereby the folding and unfolding of the chair assembly will become automatic as soon as the back rest frame has been swung past the vertical plane of the pivot connections of said swingable means with said rear legs.

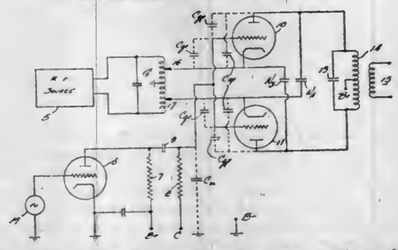
2,243,503
AIR HEATING APPARATUS
Henry J. Frenette, Boise, Idaho
Application June 10, 1940, Serial No. 339,781
2 Claims. (Cl. 237—55)

2. An air heating apparatus for use with a furnace and its chimney, comprising means to be arranged within the chimney and including an inner casing of heat conducting material, an outer casing of non-heat conducting material and surrounding the inner casing to provide a chamber opening through the top of the chimney, vanes of heat conducting material disposed radially within the chamber to provide longitudinal ducts for receiving air for passage of the latter therethrough to be heated by heat radiating from the inner casing and through the vanes, said inner casing having its lower end terminating above the bottom of the chimney, an annular flange extending outwardly from the lower end of the inner casing for closing the



chamber and providing a cinder chamber having the inner casing opening therein, said cinder chamber having the flue pipe of the furnace communicating therewith for the communication of the inner casing with the furnace, said inner casing being of a length to extend above the top of the chimney, a substantially conical shield cap secured to the upper end of the inner casing and overlying the ducts, means of communication between the ducts and the furnace for directing heated air to the latter, suction means within the said means of communication for drawing the air therethrough, and means between the ends of the said means of communication for directing air therefrom.

2,243,504
GRID MODULATED AMPLIFIER
Thomas M. Gluyas, Jr., Kansas City, Mo., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application March 15, 1939, Serial No. 262,040
13 Claims. (Cl. 179—171.5)



1. Apparatus for producing a carrier signal modulated with an intelligence signal, comprising a space discharge tube having a cathode, a grid, and an anode, a source of driving voltage of car-

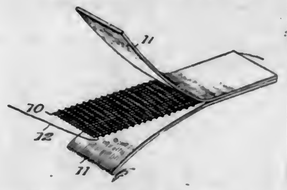
rier frequency, means for connecting said source between said cathode and a point of predetermined potential, an output load circuit associated with said anode, capacitive means external to said discharge tube for preventing the capacitive transfer of energy within said tube, a source of modulating intelligence signal, means for connecting said intelligence signal source between said grid and said point of predetermined potential, and a capacitive path having low impedance to currents of said carrier frequency connected between said grid and said point.

2,243,505
BARBER'S APRON
Zou Mercer, Wilmington, N. C.
Application August 26, 1939, Serial No. 292,151
4 Claims. (Cl. 2—50)



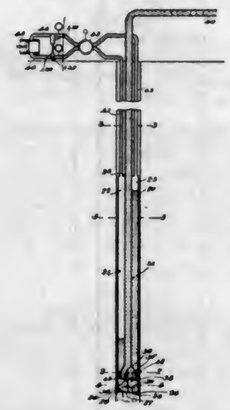
3. A barber's apron comprising a transversely split frame formed of inner and outer rings, radiating ribs connecting said rings and having their inner ends provided with vertical portions constituting braces, a covering fitted over the frame and secured to said rings and ribs respectively to form a concavo-convex apron, a neckband fitting over the inner ring and bearing against the adjacent vertical braces, said neckband having its upper end extending above the concave face of the apron and its lower end projecting below the convex face of the apron, said neckband being provided with a split portion disposed in alinement with the split portion of the supporting frame, and interengaging fastening devices carried by said split portions.

2,243,506
UNITARY VULCANIZING ELEMENT
Byron V. Mitchell, Jamaica, N. Y.
Application August 12, 1939, Serial No. 289,850
6 Claims. (Cl. 18—18)



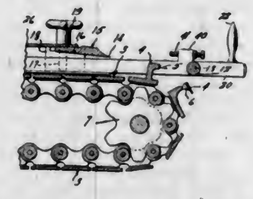
5. A unitary patch for repairing rubber articles at the surface of the article, said patch consisting of a length of rubberized fabric, uncured rubber on said fabric, and a filamentary electrical conductor spirally arranged in contact with the uncured rubber whereby passage of an electric current through said filament will subject the uncured rubber to a vulcanizing temperature, said fabric constituting means for localizing the flow of the uncured rubber on the surface of the article during vulcanization of said rubber.

2,243,507
DISPLACEMENT PUMP
Herman Frederik Marcus Neumann, Mexico, D. F., Mexico
Application December 6, 1938, Serial No. 244,267
3 Claims. (Cl. 103—235)



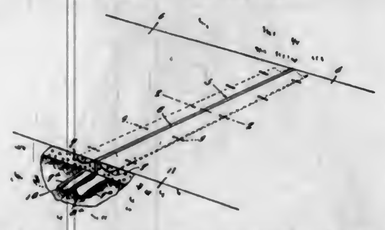
1. A displacement pump comprising a compressor, a casing divided into a pair of chambers, valves in the bottom of the chambers for controlling the flow of liquid to said chambers, a liquid outlet for said chambers, a pressure pipe and a suction pipe extending from the compressor, pipes extending from the respective chambers, a valve casing comprising the junction of all of said pipes, a single valve in the casing for connecting the pressure pipe and the suction pipe alternately with the pipes extending from the chambers, means for operating said valve and including cylinders, a piston in each cylinder, a lever attached to the valve, means connecting the pistons with the lever, pipes connecting one side of the pistons with a pipe leading to the chamber so that said pistons are affected by either suction or pressure depending upon the position of the valve.

2,243,508
MACHINE FOR REMOVING SKIN
William H. O'Connor, East Orange, N. J.
Application April 13, 1938, Serial No. 201,847
9 Claims. (Cl. 146—130)



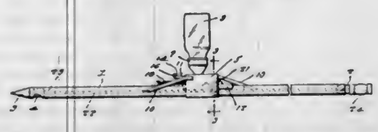
1. A conveyor mechanism for slabs of pork having skin thereon, comprising a slat conveyor upon whose upper surface the skin of the slab is adapted to rest, raised supports carried by adjacent slats projecting above the upper surface of the slat conveyor, grasping means carried by the raised supports adapted to grasp the edge of skin of the slab and hold its engaged edge above said upper surface, and a wheel over which the slat conveyor passes to open the grasping means adjacent a loading position.

2,243,509
EXPANSION JOINT
Joseph J. Prosa, Hibbing, Minn., assignor of one-half to Henry F. Bourbon, Hibbing, Minn.
Application April 28, 1938, Serial No. 204,860
1 Claim. (Cl. 94—18)



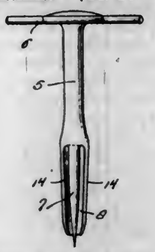
In a concrete structure including a pair of concrete slabs having horizontally arranged upper faces, vertically arranged ends and vertically arranged side edges, said side edges being normally spaced apart, a sheet metal member having a narrow center rib which is slightly bowed upwardly and downwardly bowed wings forming troughs at the sides of the rib, the inner side edge of each wing merging with a side edge of the rib and the outer side edge of each wing being located slightly below the plane of the rib, said wings being embedded in the slabs with the rib extending across the top of the space between the slabs, said rib being substantially flush with the horizontal faces of the slabs and forming the sole closure for the space between the slabs and the wings forming horizontal troughs slightly under the upper portions of the slabs, and a similarly shaped sheet metal member vertically arranged and embedded in said vertical ends of the slabs with the rib of the last-mentioned sheet metal member extending across the outer part of the space between the slabs, the upper end of the second sheet metal member being shaped to fit against the under faces of the wings and rib of the first-mentioned member.

2,243,510
POISON GUN
David A. Smith, Salem, Oreg.
Application June 8, 1940, Serial No. 339,576
3 Claims. (Cl. 111—96)



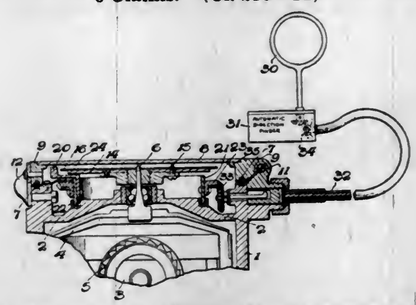
1. A poison gun comprising a barrel adapted to be driven into the ground, said barrel having poison inlet and outlet openings therein at spaced points, a guide on the barrel adjacent the inlet opening, a poison container mounted on the guide and communicating therewith, a measuring trap chamber slidable in the guide and adapted to communicate alternately with the container and with the inlet opening, shoes on said trap chamber for alternately opening and closing the container and the inlet opening, means for moving the trap chamber into communication with the container, a plunger operable in the barrel for moving the poison toward the outlet opening, and means operatively connecting the trap chamber to the plunger for actuation thereby for bringing said trap chamber into communication with the inlet opening.

2,243,511
CAN OPENING AND SPOUT FORMING DEVICE
Lee Sowers, Arcadia, Ind., assignor to F. and S. Manufacturing Corporation, Arcadia, Ind.
Application June 29, 1938, Serial No. 216,575
2 Claims. (Cl. 30—16)



1. A can opening and spout forming device comprising a straight elongated shank having a pair of rigid prongs projecting longitudinally from one end thereof in spaced side by side relation throughout their lengths, one of said prongs being slender and of round cross section and having its lower end projecting below the other prong and pointed for use in puncturing the can end, the other prong being imperforate and extending alongside the first-named prong in position to have its side edges engage the can body and force the same inwardly at spaced points upon turning of the tool about the longitudinal axis of said pointed prong to provide a spout, said other prong further tapering narrower toward its lower end, and a handle on the other end of said shank to facilitate such turning of the tool.

2,243,512
NAVIGATING INSTRUMENT
Horace Stark, Detroit, Mich.
Application March 13, 1939, Serial No. 261,670
6 Claims. (Cl. 250—11)



1. An instrument for use in navigating a mobile craft, comprising a chart representing a portion of the surface of the earth and having indicated thereon the location of a source of radiations which is located within the area represented on the chart, means for maintaining said chart in properly oriented position and relation with respect to the portion of the earth's surface represented thereon, a fixed scale surrounding said chart and extending for 180° in two directions from a zero indication which is in the longitudinal axis of the craft, an indicating means mounted between the outer periphery of said chart and the inner periphery of said scale and means for maintaining said indicator in alignment with the source of radiations and with the representation thereof on said chart.

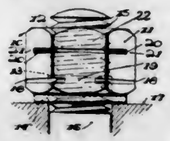
2,243,513
METHOD OF MAKING A SPARKLING SAKE-LIKE BEVERAGE
Katsuichiro Takakishi, Honolulu, Territory of Hawaii
No Drawing. Application July 25, 1938, Serial No. 221,234
1 Claim. (Cl. 99—35)

A method of making sparkling beverage consisting of polishing off between 40% and 50% of the outer surfaces of the rice grains used in the brewing of sake to remove fat proteins and inorganic substances, brewing said rice grains, aging said brew to produce a sake-like beverage, treating the aged sake-like beverage with activated carbon, adding to the sake-like beverage thus obtained sugar and white wine to form a mixture, and supersaturating the product with gaseous carbon dioxide.

2,243,514
DESULPHURIZATION OF CAST IRON
Kjell Magnus Tigerschiöld, Djursholm, Sweden
No Drawing. Application December 27, 1938, Serial No. 247,985. In Sweden January 24, 1938
1 Claim. (Cl. 75—12)

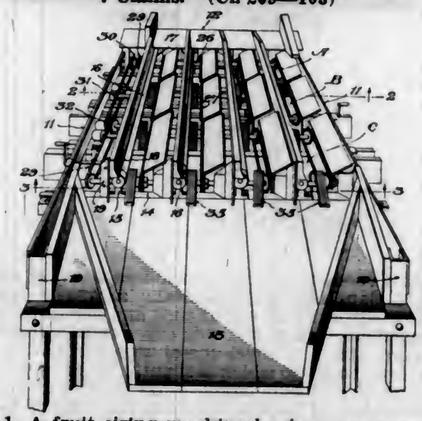
Process for removing sulphur from a pig iron containing the same, which comprises producing a fluid melt of sulphur-containing pig iron in a furnace, tapping said melt into a container provided with a refractory lining which is substantially free from silica and is neutral to basic, introducing into the iron melt a small but effective amount of a basic slag comprising lime and fluorspar as flux, and inductively producing turbulent motion in the resulting mixture by the action of low frequency alternating electric current for a period of a few minutes, whereby the iron is rapidly and thoroughly contacted with the slag, thereupon adding a small but effective amount of soda ash to the mixture while continuing the turbulent motion of the latter as before for a period of a few minutes, and thereafter separating the resulting sulphur-containing molten slag from the desulphurized iron.

2,243,515
BOLT AND NUT LOCK
Victor H. Van Sant, Westfield, N. J., assignor to Multigrip Safety Nut, Inc., Belleville, N. J., a corporation of New Jersey
Application January 16, 1941, Serial No. 374,752
4 Claims. (Cl. 151—21)



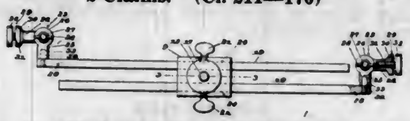
1. In a bolt and nut lock, a bolt having a screw-threaded portion, a nut having a screw-threaded bore for engaging the screw-threaded portion of the bolt and a plain bore free from screw-threaded engagement with such screw-threaded portion, said nut having inner circumferentially extending spaced elongated openings which cut through the plain bore and through the exterior of the nut, said nut also having outer circumferentially extending spaced slots which cut through the screw-threaded bore, the outer slots being spaced from the inner elongated openings and arranged in overlapping relation thereto.

2,243,516
FRUIT SIZING MACHINE
Edwin M. Wayland, Covesville, Va.
Application July 14, 1938, Serial No. 219,228
7 Claims. (Cl. 209—103)



1. A fruit sizing machine having one or more fruit sizing channels, one side of said channel comprising an upwardly moving surface of a continuous uniform diameter roll, and the opposite sides of said channel comprising a plurality of relatively short endless belts, means for adjusting said belts relative to said roll, and means for rotating said belts in unison at different speeds to progressively decrease the rate of travel of the fruit through the machine.

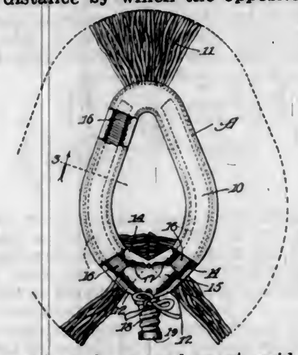
2,243,517
ATTACHMENT FOR T-STANDS
John S. Adamson, Houston, Tex.
Application August 8, 1939, Serial No. 289,051
2 Claims. (Cl. 211—176)



1. An attachment for a T-stand, said T-stand including a main upright rod, a pair of jaws having confronting notches disposed crosswise of the jaws, said jaws having cam backs, laterally extending rods to which articles of merchandise are adapted to be attached, a supporting block carried by said jaws and constituting the carrier of said laterally extending rods, said block including a horizontally disposed thimble in which said jaws are loosely situated, and means hingedly connecting the jaws and being operable to urge the cam backs across an edge of the thimble after the emplacement of said jaws upon said main rod, thereby to close the jaws.

2,243,518
MOP
Warren G. Bailey, Evanston, Ill., assignor to O-Cedar Corp'n., Chicago, Ill., a corporation of Illinois
Application May 20, 1938, Serial No. 209,110
2 Claims. (Cl. 15—147)

2. A mop of the character described comprising a cloth mop body equipped with yarn strands and with a continuous endless tubular channel having a portion of one side thereof cut away to permit the insertion of a mop frame therein, said channel being flexible and collapsible and having arcuate side walls when the channel is in expanded position, a mop frame including a clamping member, a pair of coil spring arms secured to said clamping member and extending therefrom in diverging relation, said spring arms being flexible, resilient and elastic and being normally spaced apart a greater distance than the greatest distance by which the opposite sides of



the channel may be spaced apart, said arms being adapted to be flexed inwardly during insertion into opposite sides of the channel in order to follow the contour thereof, the tension of the inwardly flexed arms when inserted in said channel providing a tight connection between the channel and the arms.

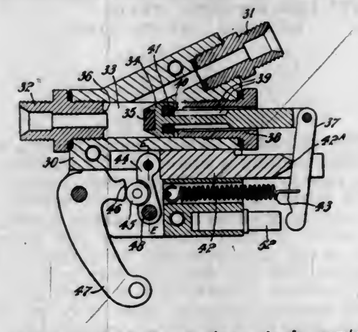
2,243,519
ASPHALT EMULSION AND METHOD OF PREPARING SAME
Edwin J. Barth, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 6, 1937, Serial No. 119,269
6 Claims. (Cl. 134—1)

2. In a process for producing stable asphalt emulsions miscible with water, the improvement comprising reacting a wax acids soap of a metal selected from the group consisting of aluminum, copper, iron and lead, with sodium hydroxide and admixing the resulting reaction products with the asphalt to be emulsified while maintaining the asphalt at an elevated temperature and subjecting the mixture to vigorous agitation.

6. A stable quick-breaking asphalt emulsion miscible with water, comprising asphalt dispersed in an aqueous medium, a sodium wax acids soap, and a minor proportion of finely divided aluminum hydroxide, the ratio of asphalt to soap not exceeding about 3:1 by weight, the soap and the precipitated aluminum hydroxide being formed in situ in the emulsion by the reaction between sodium hydroxide and an aluminum wax acids soap.

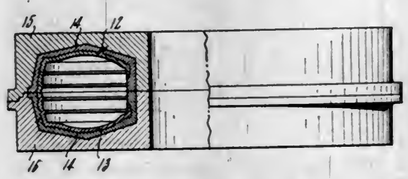
2,243,520
SAFETY VALVE FOR PREVENTING ACCIDENTAL OPERATION OF AUTOMATIC GUNS ON AIRCRAFT
George Edward Beharrell, Streetly, Joseph Wright, Birmingham, and Henry Trevaskis, Sutton Coldfield, England, assignors to Dunlop Rubber Company Limited, London, England, a British company
Application June 26, 1939, Serial No. 281,118
In Great Britain June 25, 1938
16 Claims. (Cl. 89—27)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

5. Means for preventing accidental operation of automatic guns on aircraft which comprises a firing control, hydraulic transmission means for transmitting pressure from said firing control to a gun to be operated, a safety device in said hydraulic transmission comprising a slidable valve to control the supply of fluid under pressure to the gun, a slidable plunger for operating



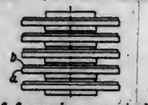
said valve and undercarriage jack control for raising or lowering a retractable undercarriage for said aircraft, means connected to said undercarriage jack control for moving said plunger axially and spring means for normally returning the valve to a position cutting off the supply of fluid to said gun.

2,243,521
ELECTROFORMING METHOD OF MAKING TIRE MOLDS
Joseph W. Bishop, Detroit, Mich., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 4, 1938, Serial No. 222,978
2 Claims. (Cl. 204—6)



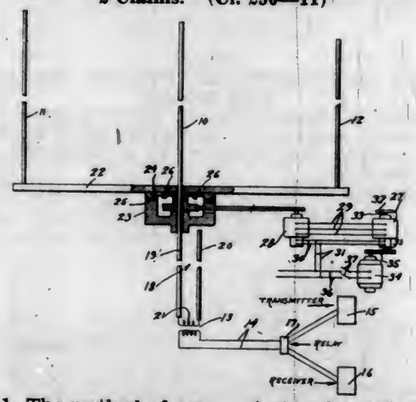
1. The method of forming a pair of complementary mold sections comprising the steps of applying a layer of rubber composition to a rigid core, placing the rubber composition and core between a pair of pre-formed mold sections having the same interior dimensions as those to be produced in the mold sections resulting from the process, placing a spacer of substantial thickness between the adjacent surfaces of the pre-formed pair of mold sections, said rubber composition and core being of such combined volume as to completely fill the cavity formed within the mold sections and spacer, vulcanizing the rubber composition to said core, removing the rubber composition and core from the mold sections, forming a layer of metal about the rubber composition by electro-deposition, and cutting and removing that portion of the electro-deposited metal layer occupying the space about the rubber composition formerly occupied by the spacer so as to form a pair of complementary mold sections.

2,243,522
METHOD OF CONSTRUCTING METAL BELLOWS
James W. Conklin, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application September 27, 1935, Serial No. 42,410. Divided and this application August 27, 1938, Serial No. 227,140
4 Claims. (Cl. 29—148.2)



1. The method of forming metal bellows which comprises forming a single unit by clamping together, face to face, two blank plates having open circular center portions, at points between the outer and inner edges of said plates, forcing the outer edges of said plates over the clamping means in one direction and the inner edges of said plates over the clamping means in the opposite direction, separating said plates and nesting the smaller diameter plate into the larger diameter plate at their corresponding edges.

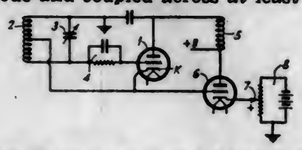
2,243,523
METHOD OF RADIO COMMUNICATION
Paul H. Davis, Chicago, Ill.
Application June 6, 1938, Serial No. 211,966
2 Claims. (Cl. 250—11)



1. The method of communicating by radio between a first station whose bearing is known and a second station whose bearing is unknown, said method including the step of rotating a highly directional beam of radio waves at a frequency of rotation sufficient to produce an after-image of sound in a receiving apparatus located at the second station to establish communication with said station, then transmitting signals from said second station to said first station, and then slowly rotating said beam while signals are being selectively received at said first station from said second station to determine the bearing of the second station.

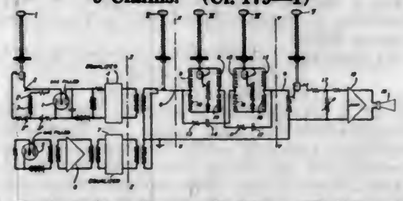
2,243,524
OSCILLATION GENERATOR
Harmon B. Deal, Glen Ridge, N. J., and Stuart W. Seeley, Bayside, Long Island, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application October 29, 1938, Serial No. 237,634
11 Claims. (Cl. 250—36)

1. The combination with an oscillating electron tube circuit including an electron tube containing a cathode, an anode, and an intermediate control grid, an oscillatory circuit coupled to said cathode, anode and grid, and a source of potential for maintaining said anode positive relative to said cathode, the frequency of said electron tube circuit tending to change with change in anode potential, of an electron space path located outside the space contained between said cathode and anode and coupled across at least a portion



of said oscillatory circuit, said electron space path including an anode and a grid, a connection from said last anode to the same terminal of said source of potential to which said first anode is connected, and means for applying to the grid in said last space path a constant potential of such value that the frequency change tendency in said electron tube caused by a variation of said anode potential is effectively opposed by a change in the apparent capacity of said space path caused solely by said same variation in anode potential.

2,243,525
PRODUCTION OF ARTIFICIAL SPEECH
Homer W. Dudley, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 16, 1940, Serial No. 324,286
9 Claims. (Cl. 179—1)

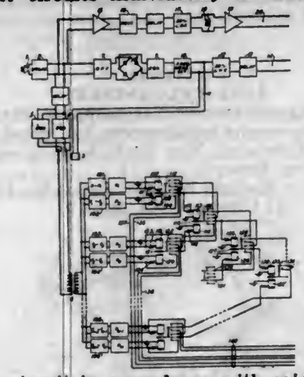


1. In a system for producing artificial speech, a source of electrical wave energy of frequency spectrum resembling vocal cord sounds, a source of electrical wave energy of continuous spectrum for simulating unvoiced sounds, means to select wave energy from either source, means to control variably the waves from the selected source comprising variable resonant circuits simulating the effect of the different resonant cavities of the human mouth.

2,243,526
PRODUCTION OF ARTIFICIAL SPEECH
Homer W. Dudley, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 16, 1940, Serial No. 324,287
7 Claims. (Cl. 179—1)

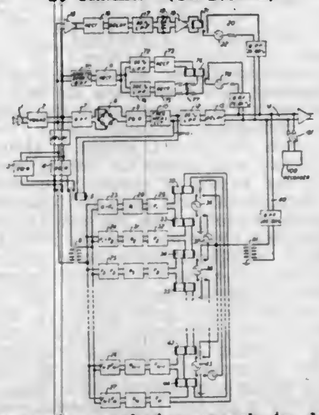
1. In a speech producing system a plurality of formant circuits corresponding to individual phonetic characters, a common output circuit adapted for connection to the output sides of said formant circuits, means to impress wave energy covering the frequency range of the sound effects to be produced connected to the input sides of said formant circuits, a speech analyzer for analyzing applied speech waves to determine their component sounds in consecutive time intervals, and means controlled by said analyzer

for selectively controlling connection of said formant circuits individually to said common



output circuit in accordance with said analyzed sounds.

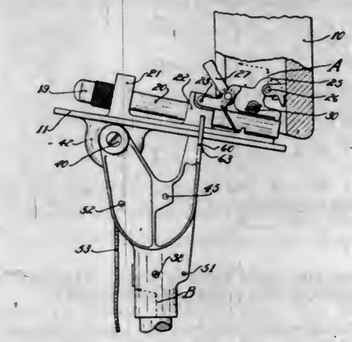
2,243,527
PRODUCTION OF ARTIFICIAL SPEECH
Homer W. Dudley, Garden City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 16, 1940, Serial No. 324,288
10 Claims. (Cl. 179—1)



1. Means for analyzing speech to determine the frequency region of greatest energy per individual sound, a source of waves having frequencies distributed over the essential speech range, a modulating circuit comprising controllable resonance means, the frequency resonance of which is continuously variable, connected to receive the waves from said source, and means to control the resonant frequency of said resonance means in accordance with the speech frequency region of greatest energy as determined by said analyzing means.

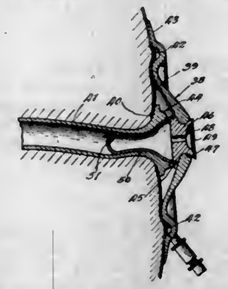
2,243,528
FUSE REMOVER
Harold D. Grinnell, Pittsfield, Mass., assignor to The G. C. A. Manufacturing Co., Pittsfield, Mass., a corporation of Massachusetts
Application April 26, 1940, Serial No. 331,803
7 Claims. (Cl. 294—19)

1. A pole-supported device for use with drop-out fuse cut-outs in which the fuse carrying member may be removed from the cut-out in drop-out position of the member by rotating the member slightly and then lifting it off its support on the cut-out, said device comprising means to pivotally engage the unsupported end of the fuse carrying member in drop-out position, means to removably lock said first named means to the fuse carrying member, and means to en-



gage and support said fuse carrying member intermediate its supported and unsupported ends while the unsupported end is locked to the pivotal means, whereby the fuse carrying member may be given bodily upward movement as the first named means is raised, to thereby lift the supported end of the fuse carrying member off its support.

2,243,529
COLOSTOMY APPLIANCE
Abraham Grossman and Louis Jerz, Chicago, Ill.
Application May 9, 1940, Serial No. 334,128
14 Claims. (Cl. 128—283)

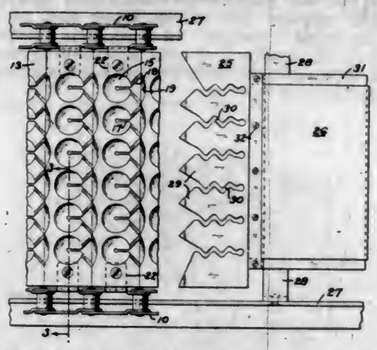


12. A colostomy appliance comprising a disc-shaped base member, a flexible, pliable and resilient stopper carried by and projecting from the central portion of the base member, said stopper being adapted to be inserted into the outlet of a colon on which there has been a colostomy operation so as to position the base member adjacent the patient's body, and means to hold the base member and stopper in position on the patient's body.

2,243,530
APPARATUS FOR PITTING CHERRIES
Albert Kok, San Jose, Calif.
Application June 8, 1938, Serial No. 212,488
16 Claims. (Cl. 146—19)

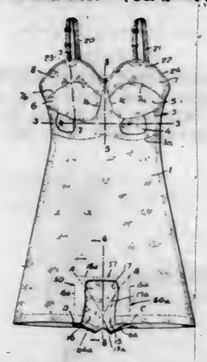
1. In an aligning device for cherry pitting and stemming machines, the combination with a conveyor having thereon a series of apertured cherry supporting cups; of a tortuous guide extending parallel to the path of movement of said conveyor

and engageable with the sides of cherry stems projecting through said apertures, for oscillating



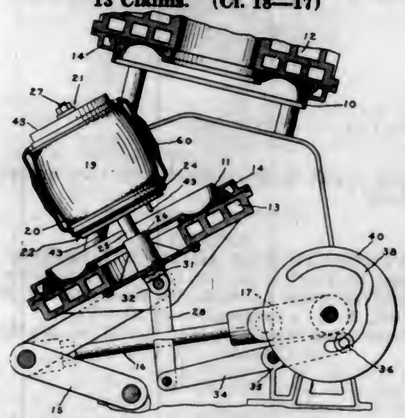
said stems and thus moving their attached fruit into alignment on predetermined axes.

2,243,531
GARMENT
Lucie J. Maclear, New York, N. Y., assignor to Van Raalte Company, New York, N. Y., a corporation of New York
Application December 27, 1938, Serial No. 247,855
3 Claims. (Cl. 2—78)



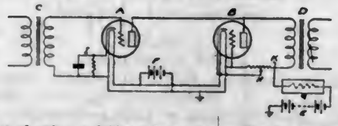
1. A garment having a skirt portion consisting of a front panel and a rear panel, a strip cut from a flat piece and having two identical triangular notches at opposite ends, a symmetrical substantially triangular insert, the two symmetric edges of which being secured to the side edges of one of said notches, a second similar insert, the symmetric edges of which being secured to the side edges of the other notch, the widths of said inserts being larger than the openings of said notches in flat condition, whereby said strip is bent around a seamless line running from one notch to the other and the two inserts and the strip are assembled to form a closed smoothly curved crotch member, said crotch member being secured to the inside of said skirt portion in a position where the base edge of one triangular insert is adjacent to the central part of said front panel, substantially parallel to the bottom of said panel and at a distance from said bottom, the base edge of the other insert being adjacent to the central part of said rear panel, substantially parallel to the bottom of said panel and at a distance from said bottom, said crotch member extending downwardly from said base edges about as far as said bottoms, whereby said strip extends from said front panel to said rear panel, its right and left edges being curved to fit the curvature of the wearer's legs.

2,243,532
TIRE VULCANIZER
Charles Edgar Maynard, Northampton, Mass., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 26, 1938, Serial No. 186,943
13 Claims. (Cl. 18—17)



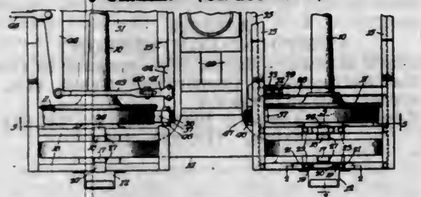
6. In a vulcanizer for pneumatic tire casings having opposed press members at least one of which is movable toward and from the other, said members including annular mold members adapted when the press is closed to form a tire molding cavity, and means for closing and opening the press, a pair of heads connected by a flexible, deformable, and radially expansible tubular member forming with the heads a substantially cylindrical chamber when the press is open, upon which a substantially band-shaped tire casing may be telescoped, a movable support for said chamber extending through the central opening of one of the mold members, means to admit fluid under pressure to and exhaust it from the chamber and means including said support, to decrease the distance between the heads at a predetermined rate in advance of the closure of the press and simultaneously with the admission of fluid under pressure to the chamber, whereby the tubular member is deformed and expanded against the casing telescoped thereon to shape the latter to tire form to be enclosed by the mold members upon closure of the press.

2,243,533
AMPLIFYING DEVICE
Maynard D. McFarlane, Hollywood, Calif.
Application September 16, 1936, Serial No. 101,115
6 Claims. (Cl. 179—171)



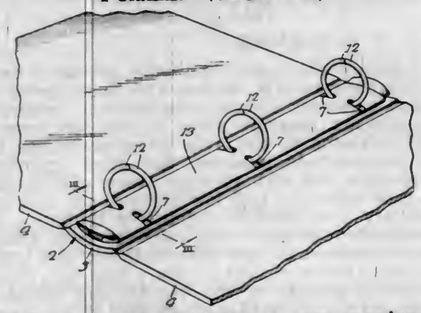
1. In a device of the class described, a plurality of electron devices having their anodes connected together, means for applying a signal voltage to the grid of at least one of said electron devices, means for causing a signal-controlled potential variation in the anode supply to the anodes, and means for causing a corresponding potential variation to be applied in an inverse sense to another of said electron devices.

2,243,534
LATERAL MOTION TRUCK
William H. Mussey, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application November 14, 1938, Serial No. 240,212
9 Claims. (Cl. 188—207)



1. In a car truck, a truck frame, a wheeled axle for said frame, journal boxes on the axle, a brake supporting frame resiliently mounted on the journal boxes, a brake beam, and brake hangers swinging the beam from the brake supporting frame.

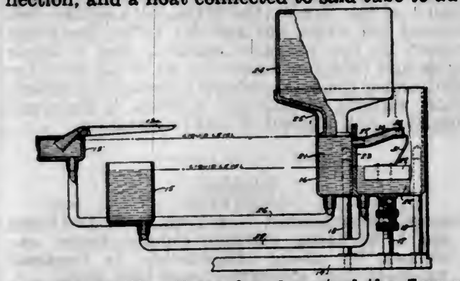
2,243,535
LOOSE-LEAF BINDER
George W. Newman, Chicago, Ill., assignor, by mesne assignments, to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application September 15, 1938, Serial No. 229,990
4 Claims. (Cl. 129—24)



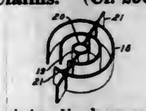
1. In a loose-leaf binder, a case member, a curved binding back secured to said case member, a spring back curved to conform to said binding back, and a plurality of gripping elements on said binding back engaging the outer edges of said spring back to secure said spring back to said case member.

2,243,536
LIQUID LEVEL CONTROL DEVICE
Francis J. Rouan and Frank C. Sova, Stamford, Conn., assignors to Pitney-Bowes Postage Meter Co., Stamford, Conn., a corporation of Delaware
Application June 9, 1938, Serial No. 212,648
1 Claim. (Cl. 137—68)

A liquid level control device comprising, a liquid supply chamber having a discharge outlet therein, means to maintain a constant liquid level within said supply chamber, a second liquid supply chamber, a discharge outlet between the first named liquid supply chamber and the second named chamber including a flexible tube connection, and a float connected to said tube to adjust the position thereof and control the flow of liquid from the first to the second named chamber.

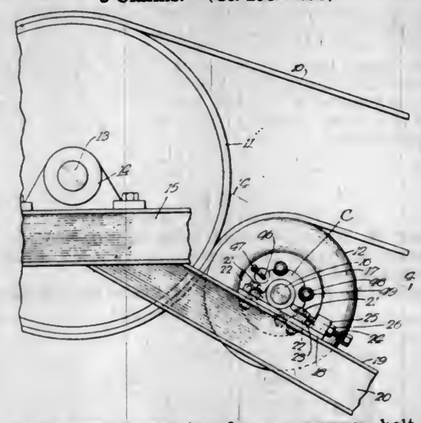


2,243,537
RESONATOR GRID STRUCTURE
Alden H. Ryan, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1940, Serial No. 348,731
6 Claims. (Cl. 250—27.5)



3. In an electric discharge device of the type incorporating hollow cavity resonators, a grid structure for said resonators in the openings thereof comprising metal ribbons concentrically spaced having their flat surfaces parallel with the longitudinal axis of said resonators.

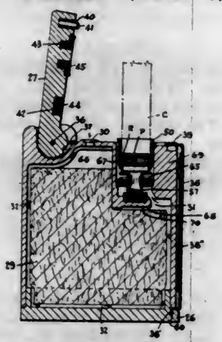
2,243,538
BELT CONVEYER
Robert H. Salfisberg, Aurora, Ill., assignor to Stephens-Adamson Manufacturing Company, a corporation of Illinois
Application November 9, 1939, Serial No. 303,635
3 Claims. (Cl. 198—203)



1. Driving apparatus for a conveyer belt including a drive roll and a snubber pulley device for clamping the belt against the drive roll including shaft means, a plurality of rims mounted thereon and keyed to rotate together, a pneumatic tire for each rim, means for adjusting the

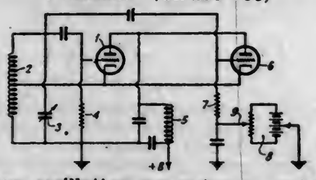
shaft means at will toward and from the drive roll to provide a predetermined amount of indentation of the tire by the drive roll and the belt around the drive roll and for fixing the shaft means in the adjusted position, and a single valve and inflation means for all of the tires for controlling the total clamping pressure substantially without varying the position of the shaft means or the amount of said indentation.

2,243,539
LIGHTER
George Philip Schmitt, New York, N. Y., and Donald A. Richards, Fairfield County, Conn., assignors, by mesne assignments, to Cardinal Products, Inc., a corporation of New York
Application October 26, 1937, Serial No. 170,998
4 Claims. (Cl. 67—7)



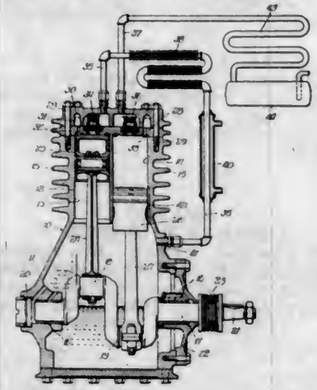
1. A catalytic lighter in which a catalyst becomes incandescent by contact with a vaporizable fuel in the presence of atmospheric air comprising a catalyst unit, a casing having a compartment containing absorbent material to be saturated with vaporizable fuel and a compartment for said catalyst unit, said casing having a top wall provided with openings adjacent each other, one of which openings being an air inlet, the other of which openings being an entrance to said catalyst unit compartment through which said catalyst unit may be inserted therein, said latter compartment having side and bottom walls projecting into said casing, and said bottom wall providing a seat for said catalyst unit, inner faces of walls of said compartment containing absorbent material being formed with ribs providing a passage between said air inlet and an inlet leading into said catalyst unit compartment.

2,243,540
OSCILLATION GENERATOR
Stuart W. Seeley, Bayside, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 3, 1938, Serial No. 238,500
7 Claims. (Cl. 250—36)



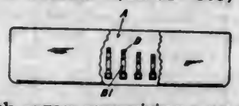
1. In an oscillation generator comprising two electrode structures each having a grid, a cathode, and an anode, said structures being connected in parallel for high frequency, a common source of anode potential for both structures, the method of minimizing changes in the frequency of oscillation arising from changes in input capacity due to changes in the potential applied to said anodes, which comprises varying the internal capacity of one of said structures oppositely relative to the other in response solely to said same changes in potential applied to said anodes, and adding together the alternating current output energy of said structures.

2,243,541
COMPOUND COMPRESSOR
Richard H. Swart, Beloit, Wis., assignor to General Refrigeration Corporation, Beloit, Wis., a corporation of Delaware
Application August 2, 1939, Serial No. 287,914
8 Claims. (Cl. 230—198)



1. In a multi-stage compressor, a pair of cylinders disposed side by side and each having a piston operating therein, one cylinder comprising the low pressure stage of the compressor and operating to compress low pressure gas to an intermediate pressure, the other cylinder comprising the high pressure stage and having an inlet valve for said low pressure gas and an auxiliary inlet port for admitting thereto said intermediate pressure gas, whereby both gases are compressed by said other cylinder to a high discharge pressure, said auxiliary inlet port comprising a passage in the wall of said cylinder communicating with the crank case at its lower end and having its upper end positioned so that the port is uncovered at the end of the suction stroke, and means for conducting said intermediate pressure gas to the crank case of the compressor.

2,243,542
HARMONICA
Frank F. Taylor and Otto K. Cazin, Philadelphia, Pa.
Application July 12, 1939, Serial No. 283,981
3 Claims. (Cl. 84—363)



1. A mouth organ comprising a reed block having a plurality of parallel slots therein, a plurality of reeds complementary to said slots, each reed being of a constant thickness and having a hard skin thereon, a plurality of openings in said reed block wherein each opening is above each slot, a fastener passing through said reed block and a reed to hold the reed to the reed block, said fastener having an enlarged head, and only the outer edge of the enlarged head of the fastener engaging said reed at a position between the opening wherein it is and its complementary slot.

2,243,543
PARASITICIDE
William P. ter Horst, Packanack Lake, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 14, 1938, Serial No. 234,953
9 Claims. (Cl. 167—30)

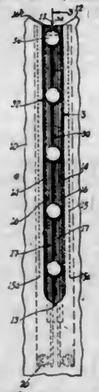
1. A parasiticidal preparation containing as an active constituent a composite oily to resinous distillable product resulting from condensing an aromatic compound selected from aromatic hydrocarbons and nuclear-halogen substitution products thereof with an alkylene halide.

2,243,544
COMPOSITION OF MATTER
William P. ter Horst, Packanack Lake, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 12, 1939, Serial No. 267,519
8 Claims. (Cl. 167—22)

1. Zinc soap of cocoanut oil fatty acids combined with an amine selected from the class consisting of morpholine, monobenzylamine, pyridine, ethylene diamine, piperidine, monocyclohexylamine, monoethanolamine, diethanolamine, triethanolamine, triamylamine.

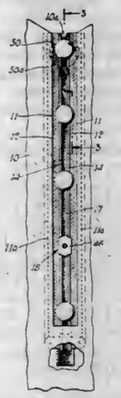
4. As an improved moth-proofing agent, a zinc soap of cocoanut oil combined with an amine selected from the class consisting of morpholine, monobenzylamine, pyridine, ethylene diamine, piperidine, monocyclohexylamine, monoethanolamine, diethanolamine, triethanolamine, triamylamine.

2,243,545
SLIDER FASTENER
Anthony W. Tripp and Jacob D. Stiriss, New York, N. Y., assignors to Slidette, Corp., New York, N. Y.
Application February 8, 1940, Serial No. 317,838
14 Claims. (Cl. 24—207)



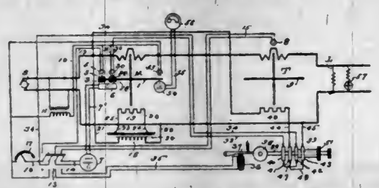
1. A garment having an opening, a plurality of flexible strips stitched to the edges at said opening, said strips having marginal adjacent beaded edges, a flexible tape, a plurality of slider members attached to said flexible tape and having means to slidably receive said beaded edges, said strips having adjacent free portions extending beyond the stitching which stitches said strips to said edges of said garment, and leaders attached to the outer ends of the free portions of said tapes.

2,243,546
TAPE CONNECTED SLIDER FASTENER
Anthony W. Tripp and Jacob D. Stiriss, New York, N. Y., assignors to Slidette, Corp., New York, N. Y.
Application February 8, 1940, Serial No. 317,840
17 Claims. (Cl. 24—207)



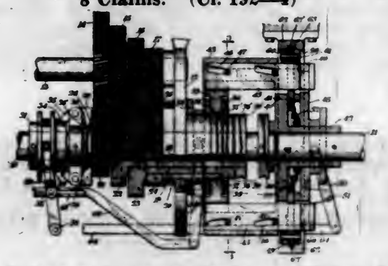
1. A two part slider fastener, means on said parts for inter-attachment, a flexible tape attached to one part, and an ornamental member separately attached to the other part.

2,243,547
STROBOSCOPIC METER TESTING APPARATUS
Frank W. E. Weisse, Corpus Christi, Tex., assignor to The States Company, Hartford, Conn., a corporation of Connecticut
Application May 14, 1940, Serial No. 335,152
11 Claims. (Cl. 175—183)



8. Apparatus for testing meters which includes a master meter and a meter to be tested, stroboscopic means for producing electric current and causing the rotating disk of the meter to be tested to be illuminated with a light which fluctuates relatively to the speed of the rotating disk of the master meter, means for producing an intermittent electric current and a relay operated switch actuated by said intermittent current for causing the disk of the meter under test to be started and stopped, and means for indicating the angular position of the disk of the master meter.

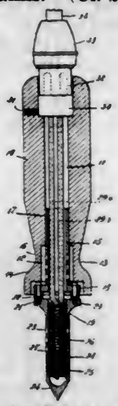
2,243,548
POWER TRANSMITTING DEVICE
John Wolkoff, Newark, N. J.
Application May 24, 1938, Serial No. 209,638
8 Claims. (Cl. 192—4)



2. In a speed change device, a driving shaft, a driven shaft, a plurality of coaxial disks driven by said driving shaft at different speeds, a plate fixed to said driven shaft and having projections, a collar movable axially of said disks and having slidable connection with said projections, radially movable clutch members carried by said collar, slides mounted in said projections for movement axially of said drive shaft and being connected to said projections to cause radial movement of said slides upon longitudinal movement thereof, said clutch members and said disks having inclined engaging surfaces and means for effecting longitudinal movement of said slides.

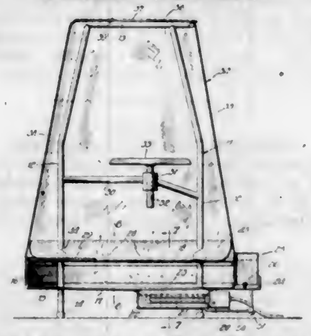
6. A speed change device according to claim 2 having a plurality of brake shoes carried by said plate for axial movement, a fixed brake drum, said brake shoes and drum having inclined engaging surfaces and said brake shoes being outwardly movable by said slides.

2,243,549
HEATING APPLIANCE
Harry E. Yocom, Reading, Pa., assignor to Rosedale Knitting Company, Reading, Pa., a corporation of Pennsylvania
Application May 9, 1940, Serial No. 334,200
5 Claims. (Cl. 219—21)



1. A heating appliance which comprises a handle having a longitudinal passage therethrough, the passage having a portion of increased diameter forming a chamber at one end of the handle, an inner tube within the chamber having an end entering the passage and fitting tightly against the passage wall, the remainder of the tube lying out of contact with the wall of said chamber, a second tube outside said chamber and lying in alignment with the first tube, means other than said tubes for connecting the tubes together, said connecting means having an operating portion lying within the portion of the passage of increased diameter, a part of said handle lying adjacent said operating portion of the connecting means and preventing operation thereof as long as said appliance is assembled, a tip closing the outer end of the second tube, a heating unit within the second tube, and conductors connected to the unit and leading through the inner tube and passage to the other end of the handle.

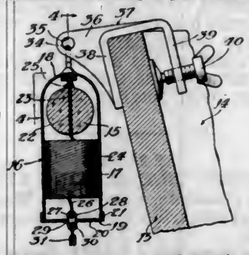
2,243,550
STEAM BATH CABINET
Alice J. Carl, Philadelphia, Pa.
Application April 11, 1940, Serial No. 329,038
4 Claims. (Cl. 4—164)



1. A portable steam bath unit comprising in combination, a hollow circular platform having an annular side wall, and spaced apart top and bottom walls, the top edge of the side wall rising above the plane of the top wall, the interior of the hollow platform constituting a steam collecting chamber, steam inlet means provided in said hollow platform, the top wall of the platform having steam outlet openings therein, a floor frame structure comprising spaced vertical leg rails fitting against and secured to the annular side wall of said platform, the upper portions of the leg rails being disposed in inwardly converging relation, a horizontally disposed yoke like neck rail connected to the top ends of the leg rails, a seat supporting frame connected to the leg rails above the platform, a seat supported by the seat supporting frame, a flexible cape-like moisture-proof cover supported by the neck rail and draped about the leg rails with its lower portion lapping the annular side wall of the platform, and means for releasably securing the lapping portion of the cover to the annular side wall of said platform.

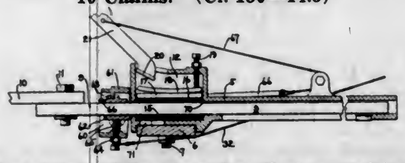
2,243,551
OUTBOARD MOTOR ATTACHMENT
Leroy A. Daly, Chicago, Ill.
Application July 21, 1939, Serial No. 285,671
9 Claims. (Cl. 9—8)

1. In a device of the character described, the combination of: a casing including a body having an opening formed therein, a closure member normally mounted upon the said casing body so as to close the said opening therein but said closure member being adapted to be withdrawn from the body of the said casing so as to uncover the said opening therein, a floatable member normally disposed in the said body of the said casing, but adapted to be withdrawn therefrom through the said opening therein, a flexible element having its major portion normally wound into a coil thereof and said coil being normally arranged in the said body of the said casing, said flexible element having a portion attached to



the said floatable member and having a portion thereof attached to the said closure member, a second flexible element having a portion thereof attached to the said closure member and having a portion provided with means for attaching it to an outboard motor, and means for attaching the body of the said casing to an outboard motor boat.

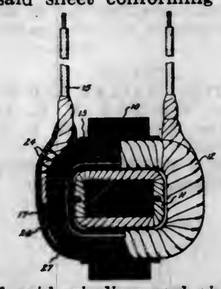
2,243,552
TRACTOR STOP HITCH
Gerrit Den Besten, Pella, Iowa, assignor of one-fourth to Liverance & Van Antwerp, Grand Rapids, Mich., a co-partnership composed of Frank E. Liverance, Jr., and Harold O. Van Antwerp
Application December 20, 1938, Serial No. 246,881
10 Claims. (Cl. 180—14.5)



8. A hitch of the class described comprising, a pulling member and a pulled member movable relative to each other and having a normal operating position, friction means to resist movement of said members relative to each other throughout the entire distance, a pair of toggle levers pivotally connected together, one of said levers being pivotally connected to one of said members and the other of said levers being in engagement with the other of said members, said toggle levers being in nearly straight line position when the device is in normal operating position and yieldable means resisting movement of said levers from said normal position.

2,243,553
ELECTRICAL WINDING
Franklin R. D'Entremont, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application February 24, 1940, Serial No. 320,596
3 Claims. (Cl. 175—21)

1. The combination of an electrical winding comprising a plurality of turns of relatively fine wire, a relatively heavy flexible lead for said winding, a relatively wide flat sheet of insulating material having one end tapered and deformed to define a ferrule cooperatively receiving the end of said lead, a relatively small flexible conductor connecting the end of said lead to said winding, insulation wrapping around said ferrule and the end of said lead including the connection with said conductor, insulation wrapping around said winding and binding the flat portion of said sheet against the side of said winding, said sheet conforming to the configuration of said winding and rigidly anchoring the end of said lead thereto, the end of said ferrule extending from the surface of said winding a distance at least equal to the thickness of the insulation surrounding the main body of said winding.

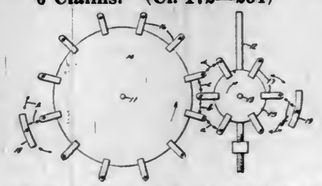


2,243,554
DEVICE FOR SUPPORTING TELEPHONE APPARATUS
Alvin N. Epstein, Chicago, Ill.
Application August 17, 1939, Serial No. 290,620
3 Claims. (Cl. 179—157)



1. The combination, with a receiver-transmitter telephone unit having a receiver, a transmitter, and a shank connecting said receiver and transmitter, of a device attached to extend along the shank of said unit and project radially from the axis thereof, said device having a continuous shoulder-engaging base-portion extending lengthwise of said shank with one end of said base-portion terminating adjacent the receiver of said unit, said device constituting a support for said unit to be positioned across and upon the shoulder of the user thereof, the angle at which said device projects radially from said shank and the position of said one end of said base-portion with respect to the receiver of said unit being such that said unit and said device may be held in such position solely by pressure of the ear of the user to the receiver of said unit.

2,243,555
MAGNET GEARING
Harold T. Faus, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application August 21, 1940, Serial No. 353,472
6 Claims. (Cl. 172—284)



2. A magnetic gear drive comprising a pair of

loosely intermeshed rotatively mounted gear wheels having teeth magnetized to produce magnetic fluxes of like polarity at the adjacent surfaces of the loosely intermeshed teeth whereby a driving relation is established between said gear wheels by magnetic repulsion forces which tends to maintain the teeth in the two gears separated.

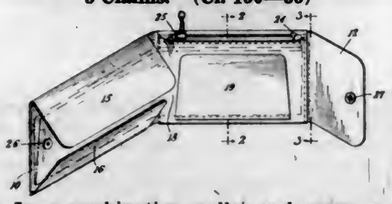
2,243,556

COMBINATION WALLET AND PURSE

Abraham Felder, New York, N. Y., assignor to Felder Bros. Inc., New York, N. Y., a corporation of New York

Application May 23, 1940, Serial No. 336,852

3 Claims. (Cl. 150—35)



3. In a combination wallet and purse, a substantially one-piece structure consisting of a longitudinal center area, divided into long and short end portions and a middle portion, and a plurality of integral and co-related extensions, a pair of folding-over flaps forming side extensions of the long end portion, a pocket-forming wall secured along three of its edges to the middle portion, the fourth edge being located along one long side thereof and defining therewith the opening of the pocket, a slide fastener for closing the pocket, one half of the slide fastener being secured to the long edge of the middle portion and the other half to the fourth edge of the wall, a relatively narrow flap carried by the middle portion, forming a bill-holding member, and being disposed to provide a substantial space along the folding area between the long end and center portions, the short end portion of the center area forming the closure for the wallet, when the long end portion is folded against the pocket, said slide fastener being operable while the wallet is either open or closed.

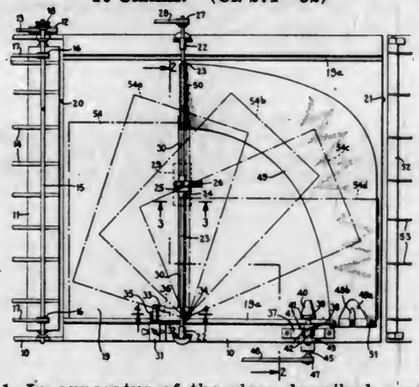
2,243,557

DEVICE FOR HANDLING SHEET MATERIAL

Robert F. Finster, Erie, Pa., assignor to Hammermill Paper Company, Erie, Pa., a corporation of Pennsylvania

Application December 11, 1939, Serial No. 308,566

10 Claims. (Cl. 271—52)



1. In apparatus of the class described means for rotating sheet material in its own plane which comprises a stationary support, means for advancing a sheet of material onto and along said support, means associated with said support arranged to engage and arrest an advancing corner of said sheet, means for engaging said sheet at a point removed from said corner and imparting a sudden, more rapid movement thereto at said point thereby causing the sheet to pivot about said corner, and means arranged to engage said sheet and advance the same along said support after it has been rotated through the desired angle.

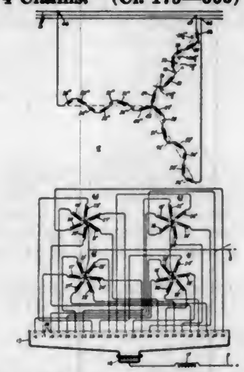
2,243,558

ELECTRIC TRANSLATING SYSTEM

William M. Goodhue, Cambridge, Mass., assignor to General Electric Company, a corporation of New York

Application September 1, 1939, Serial No. 293,072

4 Claims. (Cl. 175—363)



1. In an electric valve converting system, a direct current circuit, an alternating current circuit, electric translating apparatus interconnecting said circuits including a plurality of electric valves and transforming means comprising a primary winding including a plurality of long and short coils connected in series zigzag relation, a twenty-four phase secondary winding and four three-phase transformer cores each provided with a leg for zero phase sequence components of flux, the turns of the long and short coils of said primary windings being so proportioned and arranged on said cores as to produce a fifteen degree displacement between the phases of said secondary winding, and to cause current to be carried by each of said secondary phase windings during substantially 180 degrees of the cycle of the potential of said alternating current circuit.

2,243,559

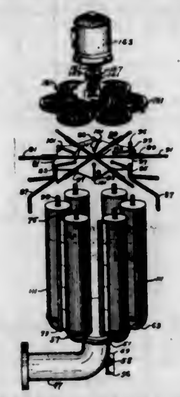
SELF-CLEANING FILTER

Clement P. Griffith, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana

Application June 20, 1938, Serial No. 214,645

10 Claims. (Cl. 210—184)

1. In a filter comprising a casing having an inlet and an outlet, the sub-combination of a manifold forming a fluid chamber, means forming fluid passages in said manifold, a head, a plurality of hollow filtering elements each provided with a fluid passage at one end, means mounting said elements for rotation between said head and manifold with the fluid passage of each element in communication with a passage in said manifold, and means mounted on said head for rotating said element, said manifold, head, elements and rotating means forming



a unitary structure removable as a whole from said casing.

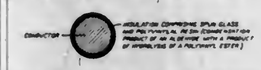
2,243,560

INSULATED ELECTRICAL CONDUCTOR

Ralph W. Hall and Henry A. Smith, Fort Wayne, Ind., assignors to General Electric Company, a corporation of New York

Application July 8, 1938, Serial No. 218,134

7 Claims. (Cl. 174—121)



1. An insulated electrical conductor in which the insulation comprises a combination of spun glass and polyvinylal resin.

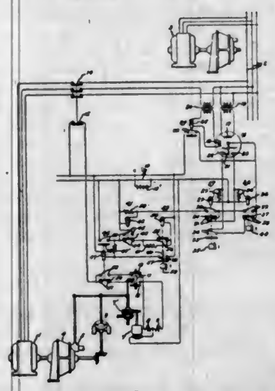
2,243,561

ELECTRIC POWER TRANSMISSION SYSTEM

William M. Hanna, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 1, 1940, Serial No. 349,152

11 Claims. (Cl. 290—4)



1. The combination of a plurality of synchronous alternating current circuits for operation in synchronism, means for controlling the relative frequencies of said circuits, means operable in accordance with an asynchronous condition of operation between said circuits while said circuits are interconnected for power interchange for operating said first mentioned means continuously in one direction until synchronism is restored between said circuits, and means for resetting said first mentioned means to a condition existing prior to said asynchronous condition of operation.

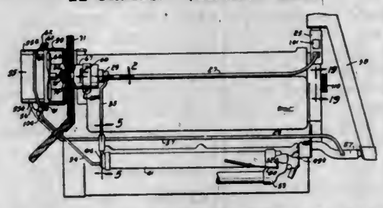
2,243,562

HEATER

Edmund E. Hans, Detroit, Mich.

Original application July 31, 1935, Serial No. 34,027. Divided and this application November 25, 1938, Serial No. 242,145

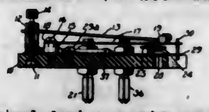
11 Claims. (Cl. 237—12.3)



4. In combination with a motor car having a dash board, an engine arranged upon one side of the dash and a passenger compartment arranged on the other side of the dash, said engine having an exhaust manifold and fluid cooling means, means for heating the passenger compartment comprising a circulatory heating system connecting said engine cooling means and including a heat absorbing portion in heat exchange relationship with said manifold, a by-pass valve to regulate the amount of heat entering said heating compartment, a heating radiator, pumping means for maintaining circulation in said circulatory system, a fan for inducing air flow over said radiator, said fan and pump means being located on opposite sides of the dash, a common driving means for said pump and fan including a shaft extending through the dash, means mounted on said passenger side of the dash for controlling said valve, fan and pump, said control means comprising a rheostat for controlling the speed of said common driving means for said pump and said fan, a rod mounted for selective manual rotation or longitudinal movement, said rotating movement controlling said rheostat and said longitudinal movement controlling the movement of said by-pass valve.

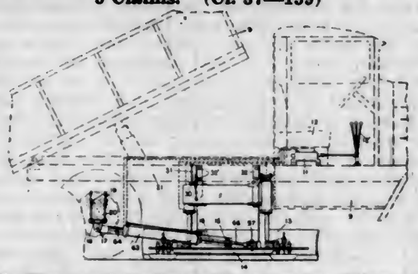
11. An automobile heating system comprising, an engine, a heat generator associated with said engine by means of which heat from the exhaust gases of said engine is transferred to a fluid medium within said generator, a radiator connected with said generator so that said fluid medium circulates through said radiator and generator, a fan arranged to force air through said radiator into the passenger compartment of said vehicle, means for manually controlling the rotating speed of said fan from low to high speed, said control means being ineffective to stop said fan, manually operated means for controlling the amount of heat absorbed by said generator, and interconnecting means whereby movement of the generator control to a heat absorbing position will render said fan control effective to operate said fan at any speed determined by said fan control and movement of said generator control to its nonabsorbing position will render said fan control ineffective to rotate said fan.

2,243,563
CONTROL DEVICE
Frederick W. Hottenroth, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 30, 1939, Serial No. 282,230
14 Claims. (Cl. 200—113)



1. In a control device, a wire and a strip connected together at one end and lying in superposed relation, said wire and strip having substantially the same thermal coefficient of expansion so as to be affected in a similar manner by ambient temperature variations, means for passing an electric current through said wire and strip, and contact means associated with the joined ends of said wire and strip and adapted to be actuated by the movement of said end in response to the differential expansion of said wire and strip caused by the heating effect of said current passing therethrough.

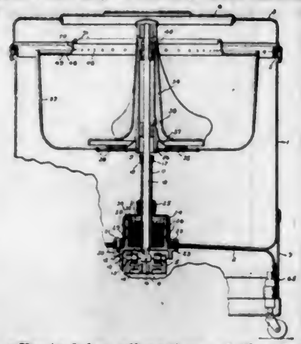
2,243,564
ROAD GRADER
Joseph H. Kerber, Milwaukee, Wis., assignor to Hi-Way Service Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application December 20, 1940, Serial No. 370,979
5 Claims. (Cl. 37—159)



3. The combination with a motor driven vehicle provided with a turntable, of a scraper blade, brackets slidably mounted relative to said turntable and adapted to be clamped thereto in different positions of angular adjustment relative to the line of draft of the vehicle, hydraulic hoist cylinders pivotally carried by said brackets and having pistons operatively connected to said blade to control the vertical adjustment thereof, and guide means also extending between said blade and brackets and vertically slidably mounted in the latter.

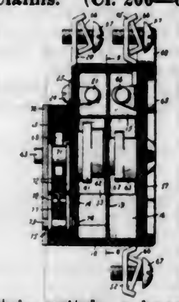
2,243,565
WASHING MACHINE
Arthur L. Kimball, Schenectady, N. Y., and George W. Dunham, Westport, Conn., assignors to General Electric Company, a corporation of New York
Application April 3, 1936, Serial No. 72,584
10 Claims. (Cl. 210—71)

1. In combination, a frame, an extractor rotatably carried in the frame, means for resiliently supporting the frame on a base, friction damping means for resisting vibration of the frame relative to the base, said damping means having relatively moving parts and a lost motion connection between the parts, and means for connecting the friction damping means to said frame and said base whereby relative movement of said



parts is effected by vibration of the frame relative to the base.

2,243,566
ELECTRIC SWITCH
Donald G. Kimball, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application April 13, 1939, Serial No. 267,567
3 Claims. (Cl. 200—6)

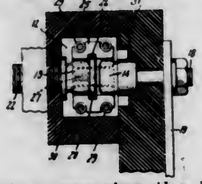


1. In an electric switch, a base of insulating material having a recess therein, bosses extending into said recess from opposite walls thereof, a U-shaped terminal member straddling one of said bosses and having fixed contacts secured to each arm of the U on opposite sides of said boss, movable contact blades in said recess engaging said fixed contacts on opposite sides of said boss, another terminal member having a fixed contact mounted on said one boss above said U-shaped terminal, a movable contact blade co-operating with said last-mentioned fixed contact and being electrically connected to one of said first-mentioned contact blades, a terminal having a fixed contact mounted on the other of said bosses and co-operating with still another movable contact blade, and cam means for operating all of said movable contact blades in predetermined sequence for co-operation with the fixed contacts to control a plurality of electric circuits connected to said switch.

2,243,567
ELECTRIC DISCONNECTING DEVICE
Leonard J. Linde, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Original application December 12, 1936, Serial No. 115,642. Divided and this application April 19, 1939, Serial No. 268,738
2 Claims. (Cl. 173—332)

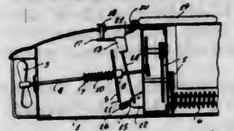
1. An electric disconnecting switch for electrically connecting and disconnecting terminals of

a stationary circuit and a relatively movable unit respectively, said terminals including conductor studs, comprising a tubular contact of conducting material open at both ends thereof, said tubular contact being flexible with respect to its cross-sectional area and having resilient means for biasing the same toward a contracted position, and an insulating housing open only at one end loosely enclosing said tubular contact and rigidly secured to the conductor stud of one terminal,



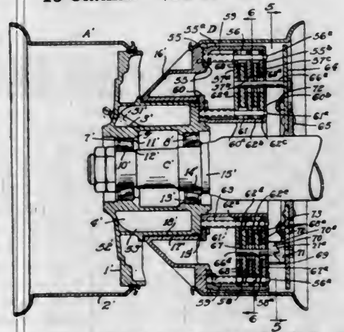
said one terminal engaging the inner contact surface of said tubular contact at one end thereof, said insulating housing freely receiving the other relatively movable terminal, said terminals having formed thereon coacting contact surfaces of substantially spherical formation for maintaining uniform pressure, line contact between each of said terminals and said tubular contact within said insulating housing notwithstanding limited misalinement of said terminals.

2,243,568
TOY SUBMARINE
Alexander J. Middler, Detroit, Mich.
Application January 20, 1939, Serial No. 251,897
11 Claims. (Cl. 46—94)



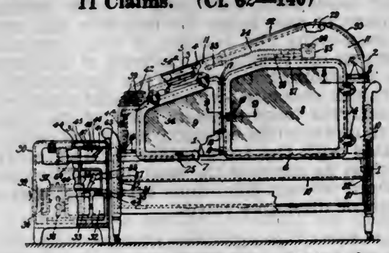
1. In combination, a toy submarine hull, means for causing said hull to dive, and means automatically operated as a result of the diving function for causing said hull to return to the surface, said last named means including a control member adapted to be moved by gravity when the hull becomes angularly disposed as a result of diving.

2,243,569
INDEPENDENTLY ROTATABLE DUAL WHEEL CONSTRUCTION
Elmer L. Miller, Dayton, Ohio, assignor to The Dayton Steel Foundry Company, Dayton, Ohio, a corporation of Ohio
Application July 5, 1939, Serial No. 282,940
13 Claims. (Cl. 188—18)



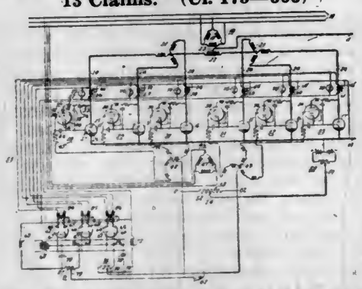
1. In a device of the class described, in combination, a wheel unit comprising a pair of independently rotatable wheels, a member associated with each of said wheels to rotate therewith and axially movable respecting the same, a non-rotatable member axially movable respecting said other members for engagement therewith, and means for moving certain of said members axially respecting other of said members to engage the same frictionally and thereby retard rotation of said wheels.

2,243,570
COOLING DEVICE
Willard L. Morrison, Lake Forest, Ill.
Application August 12, 1933, Serial No. 684,817
11 Claims. (Cl. 62—140)



1. A cooling and ventilating device for persons to be applied to a bed having a mattress thereon, comprising a receptacle, the receptacle being open at the bottom and positioned over the bed, the lower edge of the receptacle being rigid and extending downwardly past the upper face of the mattress so that the mattress projects into the open bottom of the receptacle the lower end of the receptacle tightly engaging the edges of the mattress all the way around, such engagement forming a resilient sealing device extending entirely therearound for sealing said open bottom to prevent the escape of the cool air, said receptacle having its upper part spaced away from the mattress substantially throughout the length of the mattress so as to be spaced away from the body of the occupant on the mattress throughout the entire length of the occupant's body, and means for cooling said receptacle.

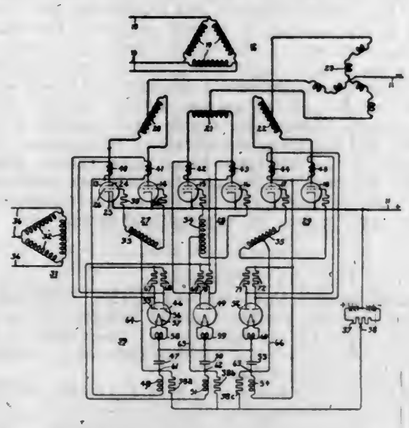
2,243,571
ELECTRIC VALVE CONVERTING SYSTEM
Elmo E. Moyer, Scotia, Lysle W. Morton, Schenectady, and August Schmidt, Jr., Niskayuna, N. Y., assignors to General Electric Company, a corporation of New York
Application September 16, 1939, Serial No. 295,342
13 Claims. (Cl. 175—363)



8. In an electric valve converting apparatus an alternating current supply circuit, a direct current load circuit, electric translating apparatus

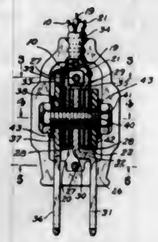
connected between said circuits and including a power transformer and a plurality of electric discharge valves, said transformer being provided with a primary winding and a pair of secondary windings each of said secondary windings being associated with a group of electric discharge valves, an excitation circuit for said plurality of electric discharge valves including an excitation transformer having a pair of secondary windings one of which is associated with each of said groups of electric discharge valves, means for maintaining a balance between the currents flowing from said pair of secondary windings of said power transformer comprising capacitance means, means for charging said capacitance means in accordance with the current conducted by the valves associated with both of said secondary windings of said power transformer, and means for impressing the voltage of said capacitance means on the secondary windings of said excitation transformer to reduce the conductivity of the valves associated with the transformer winding carrying more than its shart of the current and to increase the conductivity of the valves associated with the transformer winding carrying less than its share of the load in order to restore balanced current conditions between said groups of electric discharge valves.

2,243,572
ELECTRIC VALVE CONVERTING SYSTEM
Elmo E. Moyer, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application April 27, 1940, Serial No. 332,028
6 Claims. (Cl. 175—363)



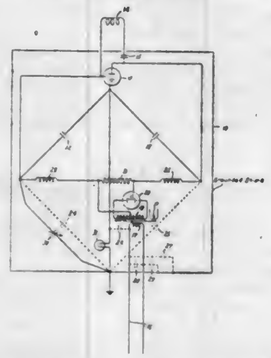
1. In combination a supply circuit, a load circuit, electric translating apparatus connected between said circuits and including a transformer and a plurality of electric discharge valves each including a control electrode, said transformer having a primary winding and at least three secondary windings, and means for maintaining balanced conditions between the currents flowing in said secondary transformer windings including means responsive to the currents flowing in each of said secondary windings for deriving resultant potentials dependent upon the relative magnitudes of said currents and impressing said potentials on said control electrodes to vary the conductivities of the electric discharge valves associated with each of said secondary transformer windings in such a manner as to restore a current balance.

2,243,573
PLUG CONNECTOR
Thomas J. Murphy, Stamford, Conn.
Application January 11, 1939, Serial No. 250,350
3 Claims. (Cl. 175—366)



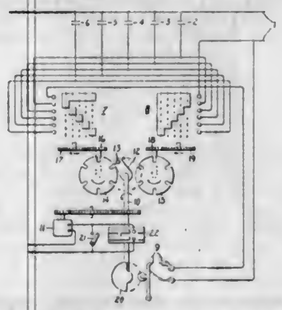
1. A plug connector comprising a casing, a pair of contact blades projecting from the casing for insertion in an outlet receptacle, a pair of rectifiers in the casing and arranged with one of said blades connected with the outlet side of one rectifier and the inlet side of the other rectifier, and three leads extending from said casing, one of said leads being connected to the inlet side of the first rectifier, another of said leads being connected to the outlet side of the second rectifier and the third lead being connected to the other blade contact.

2,243,574
ELECTRICAL DISCHARGE APPARATUS
Clifford A. Nickle, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 1, 1939, Serial No. 287,782
7 Claims. (Cl. 250—36)



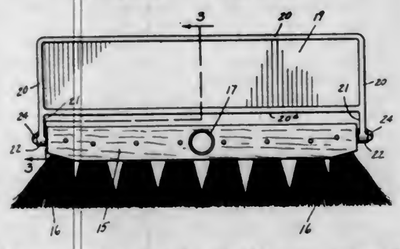
1. In combination, in a circuit including an electron discharge device having an anode, a cathode, and a control member, a circuit impedance between said control member and said cathode, a circuit impedance and a source of operating potential between said anode and said cathode, each of said circuit impedances having alternating voltage therealong and having substantial capacity with respect to ground, an impedance of substantial magnitude at the operating frequency of said device separating said cathode from ground and means connected between ground and a point on one of said circuit impedances of different potential from said cathode for maintaining said cathode at ground potential.

2,243,575
MULTIPLE SWITCHING APPARATUS AND METHOD
Kunitaro Ono and Saburo Ikeda, Yokohama, Japan, assignors to General Electric Company, a corporation of New York
Application November 21, 1938, Serial No. 241,712
In Japan November 29, 1937
9 Claims. (Cl. 172—246)



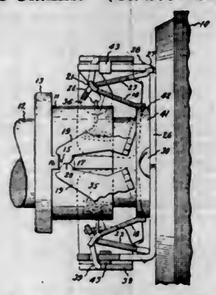
1. In combination, an electric circuit, a plurality of electrical devices, and means for successively connecting said devices to said circuit and disconnecting them therefrom comprising a multi-position selector switch for selecting the device to be connected to said circuit or disconnected therefrom, a current interrupting switch serially connected with said selector switch for completing and interrupting the circuit connection of whichever device is selected by said selector switch, and a holding switch connected in shunt circuit relation to said selector switch and current interrupting switch for maintaining the connection of a device when said current interrupting switch is opened in preparation for the selection of another device by said selector switch.

2,243,576
BLADED BRUSH FOR POOLS AND THE LIKE
William C. Otto, Indianapolis, Ind., assignor to J. I. Holcomb Manufacturing Company, Indianapolis, Ind., a corporation
Application April 22, 1939, Serial No. 269,499
5 Claims. (Cl. 15—160)



5. A device for cleaning tanks, et cetera, while filled, including a handle and a back of generally oblong shape and from one face of which project cleaning means, and a tiltable vane structure positioned in opposed relation to the cleaning means and including a pair of arms projecting therefrom for straddling the back at the ends thereof and pivotally supporting the vane on the back, the vane edge closest the back being arranged for contact with the back for limiting tilting movement of the vane in either direction, said vane tilting in a trailing direction relative to movement of the cleaning structure, the water forcing the latter in the direction of the cleaning means.

2,243,577
CENTRIFUGAL SWITCH
Carl P. Pepper, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application November 1, 1939, Serial No. 302,383
18 Claims. (Cl. 200—80)

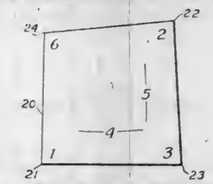


1. A centrifugal switch including an axially movable collar, means including outwardly movable weights having opposing arcuate faces for actuating said collar, resilient means biasing said weights toward each other so that said opposing arcuate faces are in abutting relation, said weights upon outward movement causing said faces to roll on each other so that said collar is actuated by said means, and a circuit controlling device arranged to be actuated by said collar.

2,243,578
METHOD OF TREATING DYNAMOELECTRIC MACHINES
Robert T. Reardon, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
No Drawing. Application February 9, 1940, Serial No. 318,195
4 Claims. (Cl. 148—6)

1. The method of treating the assembled metallic laminations of an electrical device which has fine metallic particles short circuiting the laminations which includes subjecting the assembled short circuited laminations to an acid phosphate treatment.

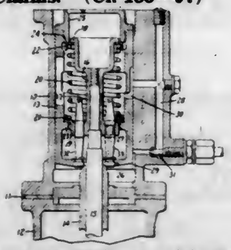
2,243,579
PROTRACTOR
Charles M. Rodi, Chicago, Ill.
Application June 28, 1940, Serial No. 343,010
1 Claim. (Cl. 33—104)



A device useful in drawing lines at various angular inclinations, comprising a sheet of material of quadrilateral configuration, one of the angles of the quadrilateral being of such magnitude that its complement is not greater than five degrees, and the angular relations of the quadrilateral edges with each other being as fol-

lows: that angle of the quadrilateral which is diagonally opposite the above mentioned quadrilateral angle is of such magnitude that its complement is twice the first mentioned complement and either one of those angles of the quadrilateral which are adjacent to the last mentioned quadrilateral angle is of such magnitude that its complement is three times the first mentioned complement; whereby when the device is used in connection with standard drawing equipment such as a drawing board and T-square it is useful in producing lines at a series of angular inclinations with a first direction on the drawing board, as for instance the vertical or the horizontal direction; one such obtainable angular inclination being twice the smallest of such angular inclinations, another angular inclination being three times the smallest, still another angular inclination, obtainable by an additive relationship, being four times the smallest, still another angular inclination, obtainable by a similar additive relationship, being five times the smallest, and still another or sixth angular inclination being six times the smallest; the possibility of obtaining this series of angles or inclinations being due to the construction of the quadrilateral sheet.

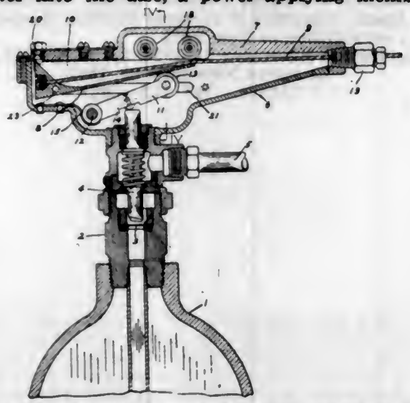
2,243,580
DASHPOT
Arthur Rosch, Brieselang, near Nauen, Osthavelland, Germany, assignor to General Electric Company, a corporation of New York
Application June 26, 1940, Serial No. 342,595
In Germany July 24, 1939
2 Claims. (Cl. 188—97)



2. Dashpot arrangement comprising a cylinder, a piston movable in the cylinder and defining lower and upper chambers therewith, an adjustable by-pass connecting the chambers, a spindle projecting into the piston, a spring normally holding the spindle and the piston in fixed relative position, a flange with a bore secured to the spindle, a pin secured to the piston and having a central bore communicating with the lower chamber, and a cross bore communicating with the central bore and normally closed by the bore in the flange, said cross bore in a certain relative position between the spindle and the piston establishing direct communication between the lower and upper chambers.

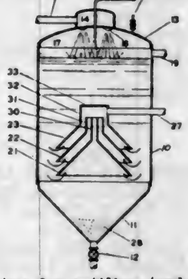
2,243,581
OPERATING HEAD FOR COMPRESSED FLUID FLASKS
Cecil H. Smith, Elmira, N. Y., assignor to American-La France-Foamite Corporation, Elmira, N. Y., a corporation of New York
Application May 5, 1938, Serial No. 206,125
Renewed April 1, 1940
6 Claims. (Cl. 221—73.5)

1. An operating head for disc-sealed, carbon-dioxide flasks comprising a discharge unit secured to the flask and containing a plunger provided with a disc-cutter, a housing secured to said unit, a lever fulcrumed within and at one side of the housing to bear on the plunger for forcing the cutter into the disc, a power-applying member



movably mounted in the housing engaging the free end of said lever to depress the same and said cutter and a pull cable for operating said member.

2,243,582
APPARATUS FOR SETTLING TURBID LIQUID
Benjamin F. Soffe, Detroit, Mich.
Application August 3, 1939, Serial No. 288,067
2 Claims. (Cl. 210—58)



1. In apparatus for settling turbid liquid comprising a settling tank having a bottom, a liquid inlet at the top of the tank, and a sludge outlet at the bottom, improved means for withdrawing settled liquid from the tank comprising a plurality of co-axial, vertically spaced uptake funnels in the lower portion of the tank, a plurality of concentric vertical tubular members, the innermost tubular member terminating in the apex of the lowermost funnel, the outermost tubular member terminating in the apex of the uppermost funnel and extending to a higher elevation than any other tubular member, and a liquid outlet for the tank communicating with the outermost tubular member.

2,243,583
DISPLAY MOUNT FOR ARTIFICIAL TEETH
Michael Russell Stein, New York, N. Y., assignor to Universal Dental Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 20, 1939, Serial No. 285,547
1 Claim. (Cl. 206—83)

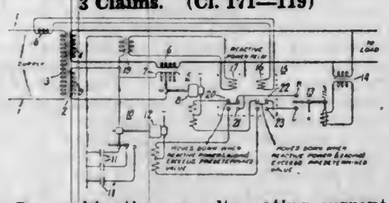
A display mount for artificial teeth compris-

ing a main body member having a flat supporting base and an elongated channel member having parallel side walls rising from said base and extending longitudinally thereof and positioned thereon to provide laterally projecting flanges extending perimetrally about the base of said channel member, the free upper edges of the channel walls being of arched configuration and terminating substantially at the base, said walls being relatively spaced apart a distance less than the length of a tooth to provide laterally spaced rigid supports for a single row of teeth each of



which is supported transversely across said channel edges and to insure projection of the incisal edges of the teeth beyond one side of said channel and in spaced relation to the supporting base, and a body of pliable wax material filling said channel and adapted to have embedded therein an intermediate part of each supported tooth, the exposed surface of said wax filler being disposed substantially in the plane of said arched edges of the channel walls whereby said wax serves to retain the teeth in position extending transversely across the upper edges of said channel walls.

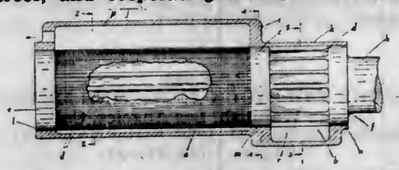
2,243,584
VOLTAGE REGULATION
Yoshiaki Toda, Tokyo, Japan, assignor to General Electric Company, a corporation of New York
Application July 12, 1940, Serial No. 345,200
In Japan September 4, 1939
3 Claims. (Cl. 171—119)



1. In combination, an alternating current circuit for delivering energy to a variable power load, a voltage regulator for inserting a variable regulating voltage in series in said circuit, a line drop regulator for varying the voltage drop in said circuit, a primary relay responsive to variations of the voltage of said circuit from a normal value for controlling the operation of said regulators, and a selector relay responsive to an electrical condition of said circuit for preventing simultaneous operation of said regulators.

2,243,585
ROTARY SELF-CLEANING STRAINER
John Maurice Towler, Summerbridge, near Harrogate, and Frank Hathorn Towler, Dob Park, near Otley, England
Application November 4, 1939, Serial No. 302,812
In Great Britain October 26, 1938
5 Claims. (Cl. 103—111)

1. A self-cleaning strainer assembly for liquids comprising a casing, a power-driven rotor mounted to rotate within said casing, said casing and rotor each consisting of two cooperating units, forming respectively strainer and discharge sections, intercommunicating passages between the respective sections, an inlet for liquid to be strained in the first of said sections, and an outlet through which the strained liquid is discharged in the second of said sections, rotatable means for straining incoming liquid in the first of said sections, cooperating means in the first of said sections for pumping upon rotation of the rotor an excess of strained liquid into the second of said sections, for discharge of a substantial amount thereof through the outlet thereof, and cooperating means in the second



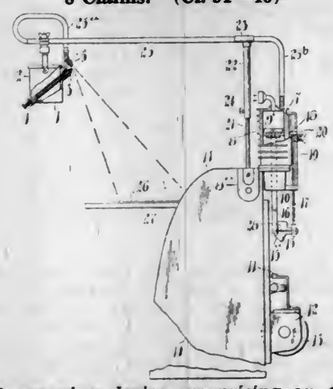
section operable upon rotation of the rotor for redirecting under pressure the undischarged strained liquid pumped thereinto, back into the first section, through the straining means, in a direction of flow opposite to and along a path different from that of the incoming liquid to effect cleaning of said straining means.

2,243,586
CONDIMENT DEVICE
Arthur C. Treece, Chicago, Ill., assignor to General Electric Company, a corporation of New York
Application July 26, 1940, Serial No. 347,795
3 Claims. (Cl. 248—224)



3. A condiment device comprising a container for the condiment formed of a molded plastic and having a hook molded on one of its walls, and a supporting wall for said container formed of a molded plastic and having a slot molded therein for receiving said hook so as to support said container, and said supporting wall also having protuberances molded integrally with it and constructed and arranged to position said container with reference to said wall.

2,243,587
SPRAYING DEVICE
Thomas Turner, Mimico, Ontario, Canada
Application June 16, 1939, Serial No. 279,398
In Canada April 13, 1939
8 Claims. (Cl. 91—45)



8. A spraying device comprising an atomizer

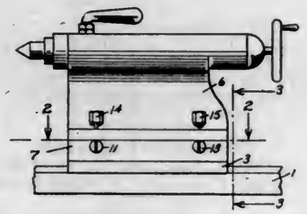
for spraying sheets after they have been printed by a printing machine having a moving part; a pump for supplying air to the atomizer; means for releasably connecting the pump and the moving part to effect operation of the pump; and means for releasing the connecting means to limit the operation of the pump relative to the movement of the moving part.

2,243,588

LATHE TAILSTOCK ADJUSTING MEANS

George Wahnish, Los Angeles, Calif.

Application July 31, 1939, Serial No. 287,615
7 Claims. (Cl. 82—31)



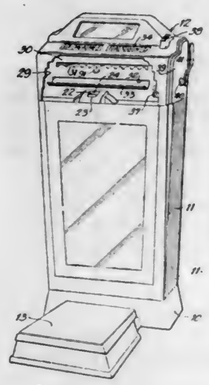
1. In a lathe tailstock adjusting means of the class described, a tailstock support including a tailstock supporting block shiftably mounted upon the slide rest of the bed of the lathe and wedge means shiftably mounted at the front and back sides transversely of said block with their upper sides engageable with the tailstock.

2,243,589

TICKET DISPENSING MACHINE

Burns S. Watling, Chicago, Ill., assignor to Watling Scale Company, Chicago, Ill., a corporation of Illinois

Application November 7, 1938, Serial No. 239,335
19 Claims. (Cl. 164—42)



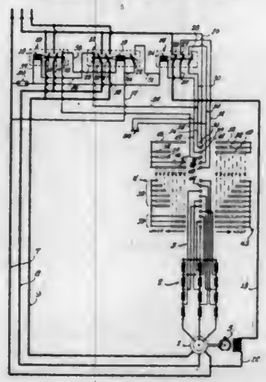
1. In a machine of the class described, the combination of a shaft, a plurality of drums disposed side by side rotatably mounted on said shaft, said drums having circumferentially spaced peripheral teeth, ticket tapes trained over said drums and having holes engaged with said teeth, a drum operating pawl and means for shifting the latter into operative engagement with a tooth of any of said drums, and means for actuating said pawl to cause it to effect a partial rotation of the drum engaged therewith.

2,243,590

REGENERATIVE AND COUNTERTORQUE BRAKING CONTROLLER

Frank W. Wendelburg and Roy J. Wadd, Milwaukee, Wis., assignors to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application December 4, 1939, Serial No. 307,456
3 Claims. (Cl. 172—179)



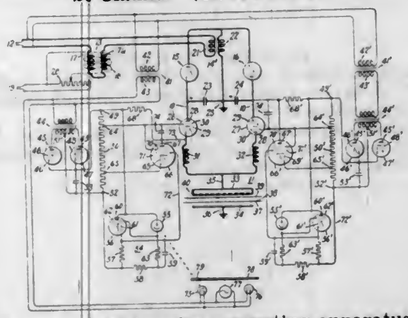
1. In an electric braking control for induction motors, the combination comprising a magnetically-actuated load lead reverser having a forward closing coil, a reverse closing coil, and an open circuit rest position, an induction motor, means providing for forward and reverse rotation of the primary of said motor under control of said load lead reverser, a magnetically-actuated friction brake for arresting movement for said motor; a magnetically-actuated relay having a coil for closing the same, a pair of closable contacts for controlling said brake, a pair of closable maintaining contacts for maintaining said relay in closed position, and a pair of closable countertorque contacts controlling a path of current supply to the forward coil of said load lead reverser, a movable controller movable through a lowering stroke and a hoisting stroke and having an open circuit center point position, said controller having a plurality of segments energizable during the lowering stroke of said controller, one of which segments extends throughout the scope of lowering movement of said controller forming a supply connection to said relay-maintaining contacts, another of which segments extends through a portion of the scope of lowering movement of said controller spaced from said controller center point forming a supply connection to said relay-closing coil, another of which segments is coextensive with the segment next preceding forming a supply connection to said load lead reverser reverse coil, and another of which segments subtends the space lying between the two next preceding segments and said controller center point forming a supply connection to said relay counter-torque contacts and thus to the forward coil of said load lead reverser when said relay coil is energized, leads forming return line connections for said load lead reverser coils and said relay coil, and means for establishing forward driving connection to said motor during said hoisting stroke of said controller.

2,243,591

ELECTRIC VALVE CONVERTING APPARATUS

Willem F. Westendorp, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application July 29, 1939, Serial No. 287,357
20 Claims. (Cl. 250—41.5)



3. In an electric valve converting apparatus, a direct current circuit having a neutral terminal, a load circuit comprising a pair of electrodes mounted in spaced relationship, means including an electric discharge valve and an inductance connected in series relationship with a terminal of said direct current circuit and a terminal of said load circuit cooperating with the capacitance of said load circuit to produce a high voltage alternating potential across the electrodes of said load circuit from three to twenty times the potential of said direct current source.

2,243,592

LIGHTNING ARRESTER

Herman B. Wolf, Charlotte, N. C., assignor to General Electric Company, a corporation of New York

Application December 13, 1939, Serial No. 309,019
3 Claims. (Cl. 175—30)



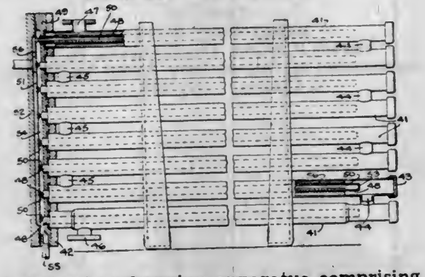
1. In an electric protective device, the combination of a discharge chamber having a pair of spaced electrodes associated therewith, said chamber having a portion receiving a finely divided conducting coating disposed in the electrical path between the electrodes and destructible when heated, a reservoir constituting a source of supply of such coating, a valve for controlling the supply of coating from said reservoir to said chamber, an opening communicating with said discharge chamber, a baffling member having an expansion chamber disposed over said opening, and passages through said baffling member communicating between said valve and said opening.

2,243,593

HEAT EXCHANGER

James P. Zallea, Philadelphia, Pa.

Application August 12, 1938, Serial No. 224,451
3 Claims. (Cl. 257—247)



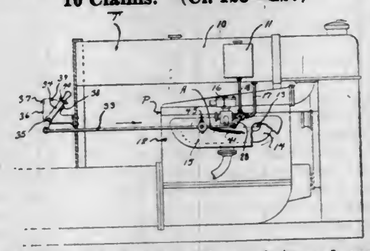
1. A heat exchanging apparatus comprising a plurality of interconnected fluid circulating tubes through which a fluid to be heated may be continuously circulated, a plurality of steam tubes respectively projecting longitudinally into said fluid circulating tubes from corresponding open ends of the latter, the inner extremities of said steam tubes being closed while the outer ends thereof are open, and a plurality of steam injection tubes respectively disposed interiorly of said steam tubes, the inner extremities of said steam injection tubes being open and terminating short of the closed extremities of said steam tubes, and means for distributing steam at substantially equal pressure and temperature into said steam tubes by way of said steam injection tubes, said means comprising a diaphragm carrying the steam injection tubes, and a pair of substantially equal plates having flat faces disposed against the opposite faces of said diaphragm clamping the diaphragm over its marginal and intermediate areas, said plates each having on their diaphragm abutting faces a pair of elongated communicating shallow recesses, one of said plates having a steam inlet in communication with said recesses, and the other of said plates having the open ends of said steam tubes mounted therein in communication with said recesses and also having a steam outlet communicating with its recesses.

2,243,594

FUEL CONTROL FOR ENGINES

Allen W. De Voe, Fond du Lac, and Wilbur M. Moersch, Malone, Wis.

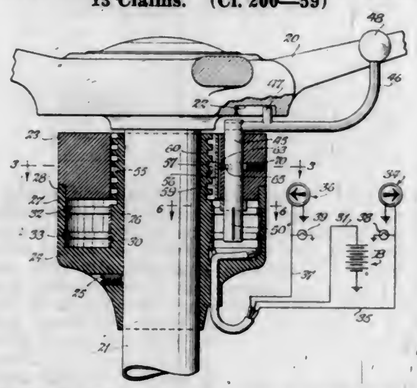
Application April 13, 1940, Serial No. 329,464
10 Claims. (Cl. 123—127)



1. The combination with an internal combustion engine having a carburetor, a tank for heavy liquid fuel, a tank for light, highly volatile liq-

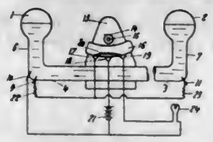
uid fuel, a single valve for controlling the flow of the fuel to the carburetor, manual means for operating the valve to a position for supplying the carburetor with the light, highly volatile fuel, and means including a thermostat for automatically moving the valve to a position for supplying the carburetor with heavy fuel oil when the engine reaches a predetermined temperature.

2,243,595
DIRECTION SIGNAL
August F. Burst, Cheektowaga, N. Y.
Application March 24, 1939, Serial No. 263,893
13 Claims. (Cl. 200—59)



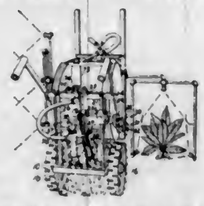
1. A directional signal device for vehicles having a steering mechanism including a rotatable part and right and left turn signal lights, comprising a rotatable member separately mounted immediately adjacent said rotatable part and arranged concentric therewith, means interposed between said rotatable part and said rotatable member and compelling said rotatable member to rotate in response to the rotation of said rotatable part, and means actuated jointly by said rotatable member and said rotatable part for operating and maintaining either said right or left turn signal light in operation upon movement of said steering mechanism in a corresponding direction beyond a normal straightaway zone.

2,243,596
PHOTOSENSITIVE APPARATUS
Constantin Chilowsky, Paris, France
Application January 9, 1939, Serial No. 250,020
In France September 7, 1935
26 Claims. (Cl. 200—52)



1. An apparatus of the type described which comprises, in combination, a gravity balanced system including at least one vessel containing a closed reaction chamber of variable volume, a liquid in said chamber capable of being electrolytically transformed into at least two gases, an electrolytic circuit including two electrodes extending in said chamber and at least partly immersed in said liquid, for continuously transforming said liquid into said gases, said gases being so chosen that light falling thereon shall cause a reduction of the whole volume of said system of liquid and gases, means for permitting light to act on said gases in said chamber, and means, operative by variations of pressure and volume of said gases, for modifying the gravitational equilibrium of said system.

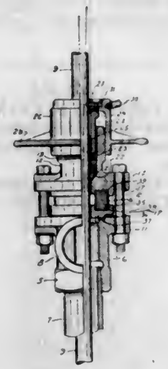
2,243,597
TRACTION SPRAYER
Frank R. Elliott, Ashland, Ohio, assignor to The F. E. Myers & Bro. Company, Ashland, Ohio, a corporation of Ohio
Original application July 17, 1936, Serial No. 91,166. Divided and this application November 10, 1937, Serial No. 173,890
3 Claims. (Cl. 299—46)



3. In a traction spraying machine, a frame having a rectangular shaped base comprising laterally spaced bars, a tank for holding spray liquid, a pump and spray nozzle operatively connected to said tank, aligned journals mounted on the underside of said bars, an axle of substantially uniform diameter rotatably supported in said journals, a pair of traction wheels slidably received on said axle and fixed to rotate said axle, said bars being sufficiently spaced from each other to enable said wheels to be mounted unobstructively on the axle within the space between the bars, said tank being so vertically spaced above said frame that the wheels clear the tank when placed between said bars, said axle extending out beyond said laterally spaced bars so that the wheels can be mounted thereon outside the bars and adjacent the end of said axle, and separate means drivingly connected to said axle for operating said pump.

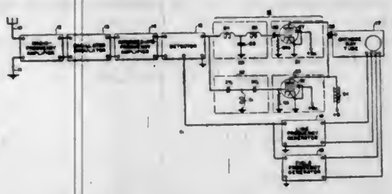
2,243,598
WELLHEAD FITTING
Homer V. Flemming, Tulsa, Okla., and William R. Barney, Kilgore, Tex., assignors to W. C. Norris Manufacturer, Incorporated, Tulsa, Okla., a corporation of Delaware
Application October 14, 1938, Serial No. 234,890
1 Claim. (Cl. 285—131)

Well apparatus of the character described, including a well pipe having a tubular fitting on the upper end thereof having its base in axial alignment with that of the well pipe, an annular ring member above said first fitting and seated thereon, a second tubular fitting mounted above said ring and in axial alignment therewith, each of said fittings having a pair of laterally extending ear members with aligned tapering apertures therein, the apertures in the first fitting being tapered in a direction opposite to the taper of the apertures in the second fitting, registering annular recesses in the adjacent ends of the ring and the second fitting forming an annular opening adapted to receive a resilient spacer ring, a resilient spacer ring seated in the annular opening, said ring being of greater thickness than the combined depths of the annular recesses and means insertable through the aligned apertures formed in the ear members of the fittings, adapted to draw the fittings toward each other whereby the resilient spacer ring is clamped in seated position within the



annular recesses at the adjacent ends of the annular ring and the second tubular fitting and held therein against substantial radially inward intrusion.

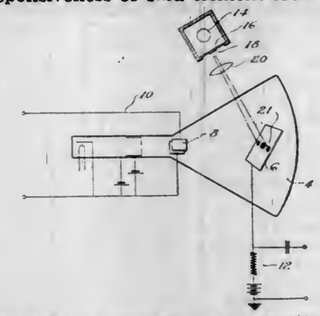
2,243,599
VIDEO-FREQUENCY SIGNAL-TRANSLATING SYSTEM
Philip J. Herbst, Bayside, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application April 30, 1938, Serial No. 205,295
7 Claims. (Cl. 178—7.3)



1. In a television signal-translating system, a video-frequency signal-translating system comprising means having a linear transconductance characteristic for translating lower video-frequency signal components, means having a transconductance characteristic which is nonlinear within the amplitude range of the signal translated, which is independent of the average amplitude of the signal translated, and which has a slope which deviates positively from that of said first-mentioned characteristic for translating higher video-frequency signal components, and means for combining said translated signal components, whereby the contrast in the fine detail structure of the television image is increased.

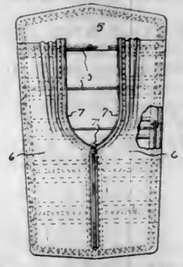
2,243,600
METHOD AND APPARATUS FOR GENERATING HARMONICS
George D. Hulst, Jr., Upper Montclair, N. J.
Application July 6, 1939, Serial No. 283,130
12 Claims. (Cl. 250—27.5)

1. A method of generating harmonics which consists in impressing on a light-sensitive element a scanning beam moving at a fundamental frequency, and imposing on the light-sensitive element a variable-density optical image to vary the responsiveness of said element from point to



point at a frequency which is a multiple of the scanning frequency.

2,243,601
RADIATOR COVER FOR AUTOMOBILES
Lloyd F. Kurschner, Eau Claire, Wis.
Application April 17, 1940, Serial No. 329,997
4 Claims. (Cl. 257—132)

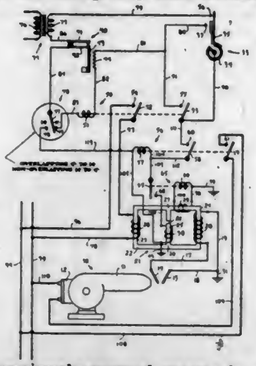


1. A radiator cover comprising, a wire frame conforming to the contour of the face of a radiator and adapted to be fitted to the front thereof, a pair of curtains secured to the opposite bars of the frame, interlocking flexible lacing strips secured to the free meeting edges of said curtains, and spaced companion gangs of resilient elements associated with the outer fixed edges of said curtain and the free edges thereof, to exert an opening force upon the curtains upon release of the lacing strips to a predetermined position.

2,243,602
FLUID FUEL BURNER CONTROL SYSTEM
Frederick E. Lange, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 25, 1939, Serial No. 258,423
5 Claims. (Cl. 158—28)

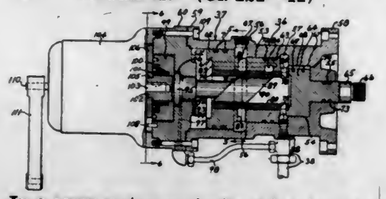
1. In a fluid fuel burner control system, a fluid fuel burner, electrically operated means for controlling the flow of fuel to said burner, a high voltage circuit including a spark gap for igniting the fuel, an ignition transformer comprising a core, a primary winding, and a secondary winding connected in said high voltage circuit, an energizing circuit for said fuel feed controlling means, a switch controlling said circuit, electrically operated actuating means for said switch, means including an auxiliary winding on said transformer connected to said actuating means for energizing the same, means for terminating energization of said ignition transformer, and means for independently energizing said actuating means incidental to such termination of the

energization of said ignition transformer, said means including the auxiliary winding being the only means for energizing said actuating means



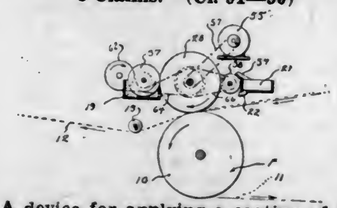
until said previously named means is so effective whereby the energization of said actuating means is dependent during the entire ignition period upon the existence of a proper spark.

2,243,603
PUMP SERVOMOTOR WITH ROTARY CONTROL AND TORQUE MOTOR
Howard F. MacMillin and Ira B. Lawyer, Mount Gilead, Ohio, assignors to The Hydraulic Development Corp. Inc., Wilmington, Del., a corporation of Delaware
Application March 15, 1939, Serial No. 262,004
15 Claims. (Cl. 121—41)



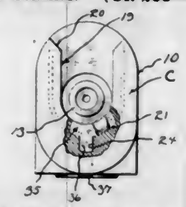
1. In a servomotor control mechanism, a casing having fluid inlet and outlet openings, a fluid operable piston reciprocably mounted in said casing and having a bore with ports therein adapted to cooperate with said openings, and a rotatable valve member arranged in said bore adjacent said ports and having a valve head with a pair of oblique transverse end surfaces thereon for controlling said ports.

2,243,604
DEVICE FOR APPLYING FILMS OF COATING MATERIAL TO PAPER WEBS
Leonard Parkinson, Park Falls, Wis.
Application May 5, 1939, Serial No. 271,976
8 Claims. (Cl. 91—50)



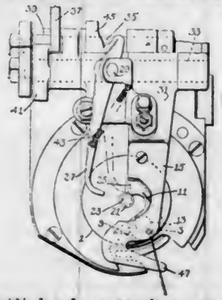
2. A device for applying a coating of material directly to a web of material comprising, a swinging carriage, a riding roll on said carriage movable toward and away from the web and normally engaging said web, pick-up roll on the carriage for applying coating material to the riding roll, a smoothing and leveling roll on the carriage, and means for adjusting the pick-up roll and the smoothing and leveling roll relative to the riding roll.

2,243,605
GREASE FITTING
John W. Richardson, Milwaukee, Wis., assignor to The Prime Manufacturing Company, Milwaukee, Wis.
Application August 5, 1939, Serial No. 288,557
2 Claims. (Cl. 285—143)



2. A detachable wear-resisting slipper for the guideways of coupling bodies comprising, a liner member U-shaped in plan, and L-shaped in cross section, said member being formed from hardened spring steel, and a spring latching arm formed on said member for detachably engaging a part of a coupling body.

2,243,606
LOCKSTITCH SEWING MACHINE
Maurice Roberts, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 16, 1938, Serial No. 246,185
In Great Britain January 4, 1938
17 Claims. (Cl. 112—38)

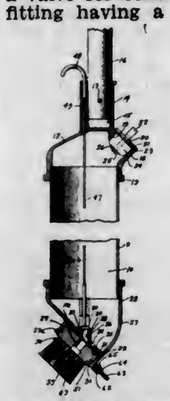


1. A lockstitch shoe sewing machine having, in combination, stitch-forming devices including a hook needle, a rotary shuttle, a circular bobbin thread case within the shuttle having a projection on its exposed face extending transversely of the central axis of the thread case, and an ejector movable towards a position beneath the projection and away from the shuttle to withdraw the thread case from the shuttle.

2,243,607
RUG CLEANING DEVICE
Samuel Rosen and Benjamin M. Hulsh, Chicago, Ill.
Application October 26, 1938, Serial No. 236,974
3 Claims. (Cl. 15—124)

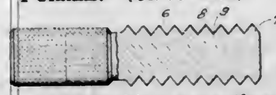
1. In a device of the character described, a

handle having a head portion, a reservoir carried by said handle, a fitting having an elongate interior chamber, a flow passageway connecting said chamber substantially centrally with said reservoir, a valve for controlling said passageway, said fitting having a row of aligned



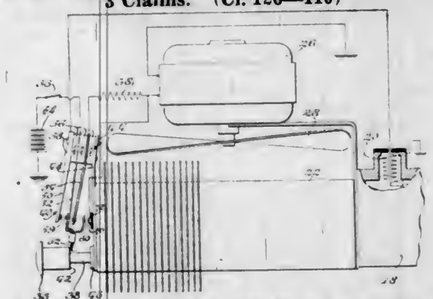
graduated outlet openings spaced longitudinally along substantially the length of the bottom of said chamber on opposite sides of said passageway, and tufts of bristles laterally disposed in parallel rows on either side of said outlet openings, there being a greater number of tufts on one side of said openings than the other.

2,243,608
PROCESS OF MAKING PLUG GAUGES
Werner T. Schaurte, Lauvenburg, near Neuss, Germany
Application August 2, 1939, Serial No. 287,969
4 Claims. (Cl. 76—101)



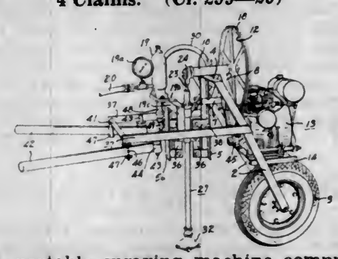
1. The process of making screw thread gauges of the plug type comprising grinding a cylindrical piece of steel, plating the surface of the ground piece with chromium, and rolling a thread upon the plated piece.

2,243,609
AUTOMOBILE HEATER
Thomas F. Spackman, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application September 22, 1938, Serial No. 231,231
3 Claims. (Cl. 126—110)



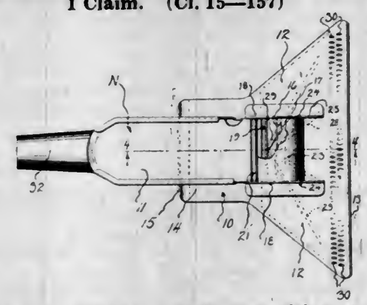
1. In an automobile heater of the internal combustion type, the combination of a combustion chamber, means for supplying a mixture of fuel and air to said combustion chamber, means for igniting said mixture in said combustion chamber, a radiator connected to receive products of combustion from said combustion chamber, a fan for circulating air over said radiator, a motor driving said fan, manually operable means for controlling the flow of the products of combustion through said radiator, a switch for controlling the flow of current to said igniting means, a normally open circuit including a resistance for supplying electrical current to said fan motor, means operable by said manually operable means to close said igniting means switch, a thermostatic element for opening said igniting means switch and closing said resistance and fan motor circuit, and means controlled by said thermostatic element for shunting said resistance when said radiator approaches substantially normal operating temperature.

2,243,610
SPRAYING MACHINE
Warren M. Spreng, Ashland, Ohio, assignor to The F. E. Myers & Bro. Co., Ashland, Ohio, a corporation of Ohio
Original application September 12, 1938, Serial No. 229,432. Divided and this application May 11, 1939, Serial No. 273,040
4 Claims. (Cl. 299—29)



1. A portable spraying machine comprising a tank for holding spray material, a pump, an operating mechanism adapted to withdraw spray material from said tank, a rectangular frame for supporting the tank and pump operating mechanism, spaced handle members attached to the rear part of said frame and adjustable in one position to form substantially a longitudinal extension of the side members of said frame toward the rear of said machine, and in another position to be folded forward against the sides of said machine.

2,243,611
VACUUM CLEANER NOZZLE
Edward Stroschein, Oshkosh, Wis.
Application October 24, 1938, Serial No. 236,639
1 Claim. (Cl. 15—157)



A vacuum cleaner nozzle comprising, a sub-

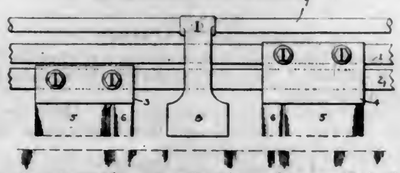
stantially flat plate having an intake suction opening, a suction pipe communicating with said opening, said plate having orifices in the front end thereof opening out through the upper and lower faces thereof, surface-engaging agitating bars on the lower face of the plate extending from the orifices toward the suction opening, and depending lips surrounding the orifices terminating in the same plane as the lower faces of the bars for engaging the surface being cleaned.

2,243,612

MANUFACTURE OF FULL-FASHIONED HOSIERY

Arnold Friedrich Verbeek, Oberlungwitz, Germany, assignor to Kalio, Inc., New York, N. Y., a corporation of New York

Application December 30, 1938, Serial No. 248,599
In Germany December 30, 1937
9 Claims. (Cl. 66—89)



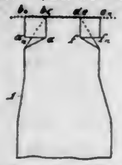
4. A narrowing mechanism for a flat full-fashioned knitting machine comprising a pair of narrowing units each comprising a French gore narrowing finger and a wide narrowing finger fixedly supported with relation to and outwardly of the French gore narrowing finger a distance therefrom of at least one needle index.

2,243,613

STOCKING AND METHOD OF MANUFACTURING THE SAME

Arnold Verbeek, Wuestenbrand, and Erich Eissner, Siegmar-Schonau, Germany, assignors to Kalio, Inc., New York, N. Y.

Application August 12, 1939, Serial No. 289,896
In Germany August 20, 1938
3 Claims. (Cl. 66—187)



1. The method of forming the heel portions of a stocking blank which comprises knitting heel courses of substantially uniform width while holding the terminal loops of the wales forming the instep portion of the fabric, discontinuing knitting and holding the terminal loops of successive wales adjacent said instep portion of the fabric during the formation of following heel courses, and interposing between selected heel courses a full course of loops extending across both heel portions and across the instep portion of the fabric.

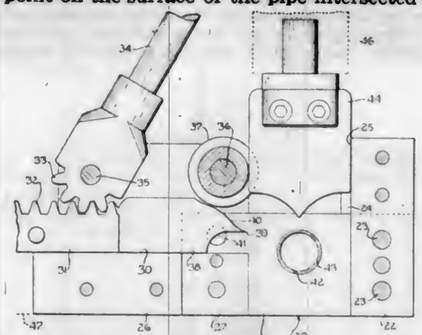
2,243,614

APPARATUS AND METHOD FOR TREATING TUBULAR MEMBERS

Julius Vogel, Chicago, Ill.

Application April 30, 1940, Serial No. 332,614
25 Claims. (Cl. 164—48)

1. The method of cutting cylindrical pipe comprising cutting a portion of the wall of the pipe substantially along a chord of the outer periphery of the pipe by a cutting force initiated from a point on the surface of the pipe intersected by



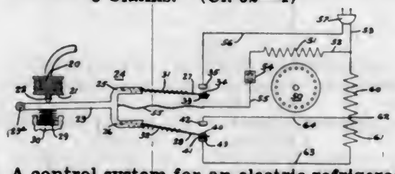
the chord, and then cutting across the pipe by a cutting force initiated at the first cut in a direction at an angle to the chord.

2,243,615

MOTOR CONTROL SYSTEM

Calvin J. Werner and Paul H. Rutherford, Dayton, Ohio, assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 3, 1939, Serial No. 282,696
8 Claims. (Cl. 62—4)



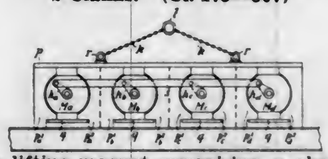
4. A control system for an electric refrigerator, the combination with the cooling unit of said refrigerator, of an electric motor having a starting and a running winding; means for rendering the starting winding ineffective when the motor has attained a proper operating speed; and a separate thermal switch adapted to be actuated in response to varying temperatures ambient to the cooling unit, said switch being adapted to render either the entire or only a portion of the running winding effective, dependent upon the temperature conditions in the refrigerator.

2,243,616

LIFTING MAGNET

Julius Bing and Otto Block, Berlin, Germany

Application December 3, 1938, Serial No. 243,858
In Germany December 8, 1937
2 Claims. (Cl. 175—367)



1. A lifting magnet comprising, a plurality of rotatably supported permanent magnets the lines of force of which pass through the permanent magnets in substantially parallel straight lines transversely of the axes of rotation of the magnets, two pole pieces of soft iron for each rotatable magnet, each pole piece being formed with a concave cylindrical surface adjacent the associated permanent magnet the axis of curvature of which coincides with the axis of rotation of the permanent magnet leaving narrow annular gaps between the magnet and the pole pieces, a non-magnetic plate secured to all the pole pieces on one side of the magnets, flexible suspending means attached to said non-magnetic plate, a non-magnetic plate secured to the pole pieces on the other side of the magnets, a shaft secured to each permanent magnet, and a bell crank lever secured to each shaft for simultaneously rotating the permanent magnets.

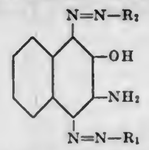
2,243,617

AZO DYESTUFFS AND PROCESS OF MAKING SAME

Gérald Bonhôte, Basel, and Carl Apotheker, Riehen, Switzerland, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application February 19, 1940, Serial No. 319,811. In Switzerland March 8, 1939
5 Claims. (Cl. 260—185)

1. The azo dyestuffs of the general formula



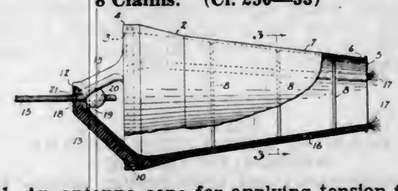
in which R_1 and R_2 each stands for a member of the group consisting of aryl of the benzene series and aryl of the naphthalene series, which dyestuffs are dark powders and which, when produced on the fibre, colour it in fast shades of bordeaux, violet, black and brown.

2,243,618

ANTENNA CONE

Ray W. Brown, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application September 4, 1940, Serial No. 355,342
8 Claims. (Cl. 250—33)



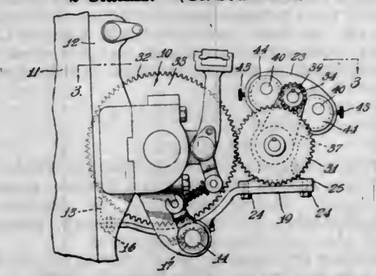
1. An antenna cone for applying tension to an antenna trailing from a moving vehicle, comprising a hollow molded relatively thin-walled frusto-conical portion of flexible rubberlike material, said conical portion having an opening at the leading end to receive air and an opening of smaller diameter in the trailing end to discharge air, a plurality of annular integrally molded flexible ribs which are adapted to resist longitudinal tearing of the wall of the conical portion and which are spaced along the length thereof, a stiffening ring integrally molded in the wall of the conical portion adjacent the leading end to prevent collapse of the air inlet opening, and a towing spider at the leading end of said conical portion, said towing spider having a central hub portion carried by flexible molded lanyards which are attached to the wall of said conical member near said stiffening ring.

2,243,619

MULTICOLOR ATTACHMENT FOR VERTICAL PRINTING PRESSES

Paul W. Burgan, Chicago, Ill.

Application August 1, 1940, Serial No. 349,135
2 Claims. (Cl. 101—173)



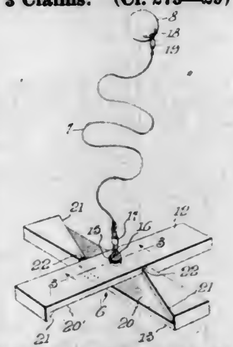
1. In a vertical printing press including a frame having a lower cross bar, an impression cylinder mounted for rotary and vertical reciprocatory movement on the frame adapted to carry paper upon which printing is to be performed, and a cylinder band tube disposed below and spaced from the impression cylinder, the combination of a multicolor attachment comprising a pair of arcuate bracket arms secured at the rear ends to said lower cross bar, strap clamps securing the bracket arms intermediate their ends to said cylinder band tube, the outer ends of the arms extending horizontally in a plane in front of and above the bottom of the impression cylinder, a pair of bearing brackets secured to said outer ends of the arms, a second-color cylinder rotatably mounted in the bearing brackets, a second-color plate secured to the second-color cylinder, an inking roller rotatably mounted in said bearing brackets adapted to apply ink to the second-color plate, a pair of ink supply rollers journaled in said bearing brackets and frictionally engaging the inking roller, and means for driving the second-color cylinder and the inking roller from said impression cylinder.

2,243,620

GAME

Angel del Llano y Fernandez, Habana, Cuba, assignor to Zorrilla, Llano y Cia, Marianao, Cuba, a partnership composed of Juan Zorrilla y Tarrero, Angel del Llano y Fernandez, and Salustiano Brey y Noya

Application June 1, 1940, Serial No. 338,387
3 Claims. (Cl. 273—29)



3. In a game device having an elastic line and an elastic ball connected with said line, an anchoring base for said line comprising two

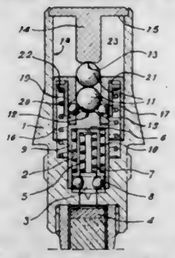
crossed horizontal bars, a vertical pivot connecting said bars at their crossing point, said bars being swingable about said pivot to cause the ends of one bar to approach the ends of the other bar when desired, and means for limiting this approach movement of the bar ends to positions in which the two bars impart a slender hour-glass form to the base, whereby said base in said slender hour-glass form may be used as a reel around which to compactly wind said line when the device is not in use.

2,243,621

PERCUSSION FUSE FOR PROJECTILES

Paul Emile Joseph Denoix, Paris, France, assignor to Sageb, Société Anonyme de Gestion et d'Exploitation de brevets, Fribourg, Switzerland, a corporation of Switzerland

Application December 27, 1937, Serial No. 181,968
In Switzerland December 31, 1936
5 Claims. (Cl. 102—39)



1. A percussion fuse for priming projectiles regardless of the direction of impact, comprising only two firing members, a percussion spring for urging one of said firing members toward the other, means for holding said firing members apart up to the moment of impact and including at least one blocking element disposed in frail equilibrium whereby impact by shocks in any one of a multiplicity of directions will dislodge the said blocking element, a sleeve engageable with said blocking element for maintaining the blocking element in a position holding said firing members apart, means for maintaining said sleeve in engagement with said blocking element and including shiftable means for releasing said sleeve and for moving said sleeve away from engagement with said blocking element after firing of the shot, and pneumatic means operable upon movement of the sleeve away from the blocking element to delay movement of the said sleeve whereby to prevent premature ignition of the fuse.

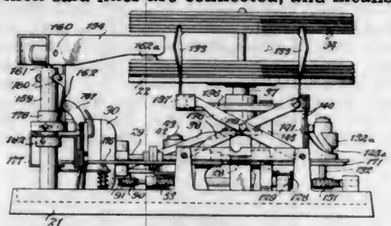
2,243,622

REMOTE CONTROL SYSTEM FOR PHONOGRAPHS AND THE LIKE

Edward A. Ebert, Buffalo, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio

Application August 17, 1938, Serial No. 225,492
9 Claims. (Cl. 192—142)

1. A control system of the character described, comprising a mechanism to be operated, a control circuit therefor, a plurality of lines for closing said control circuit, selector switches identified with said mechanism and to which said lines are connected, certain of said lines being common to one of the contacts of a certain plurality of switches and the companion switch contacts in any one plurality of switches being connected, respectively, to the remaining lines common to the companion switch contacts in the remaining pluralities of switches, a rotary contactor, a series of brushes which engage said contactor and to which said lines are connected, and means for



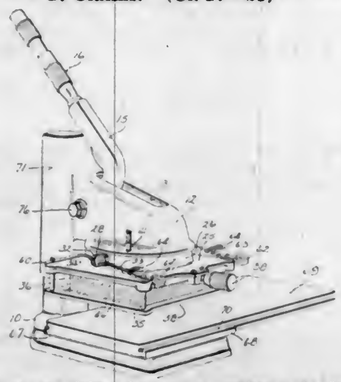
automatically rotating said contactor to a position in which it closes said circuit through the proper lines when one of said switches is closed.

2,243,623

FIBER CUTTER

Arno A. Ewald, Oakfield, Wis., assignor to Romort Manufacturing Company, Oakfield, Wis., a corporation of Wisconsin

Application August 13, 1938, Serial No. 224,706
17 Claims. (Cl. 17—25)



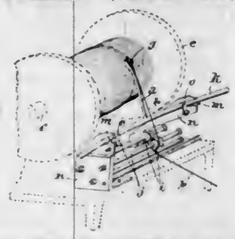
17. In a machine for cross cutting steaks and other fibrous material, the combination with an oscillatory blade carrier, means for reciprocating the carrier and a carrier oscillating handle adapted, by rotation about its own axis, to clamp the blades to the carrier.

2,243,624

THREAD GUIDING DEVICE FOR THE WINDING OF THREAD

Marius Bernard Gazet, Lyon, France, assignor to Georges Decombe, Lyon, France

Application April 28, 1937, Serial No. 139,423
In France May 27, 1936
4 Claims. (Cl. 242—157)



1. In the combination with a spool adapted to turn about its axis for the winding of a thread

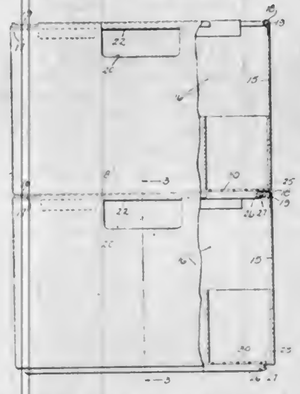
thereon, a support and an arm movably carried by said support, the features comprising a spout-like guide member at one end of said arm which is directed toward said spool, means upon said support tending to limit said arm to a curved path of travel between the cheeks of the spool, means for feeding the thread under tension to said guide member, said arm being free to move relatively to said spool and its one end which is provided with the guide member being adapted to move diametrically and axially with respect to said spool, the axial displacement corresponding to an oscillation of said arm on each side of the middle plane normal to the axis of said spool, said arm thus assuming a position which is inclined in proportion as its mentioned one end approaches a cheek of the spool, means for braking the axial displacement of said arm, and a skid-like projection carried by said guide member so as to slide on said spool and to be engaged laterally against the spire that has just been wound, in order to cause the thread suitably tensioned to pass through the said guide member and be guided thereby directly onto the spool at a point adjacent the previous turn to form a new spire in close contact with the preceding one, the relative movement between the guide member and the spool being a result of the lateral engagement of the skid-like projection on the guide member against the spire on the spool during the rotation of said spool.

2,243,625

CASE

Fredrick Gettelman, Milwaukee, Wis.

Application October 25, 1937, Serial No. 170,833
1 Claim. (Cl. 220—21)



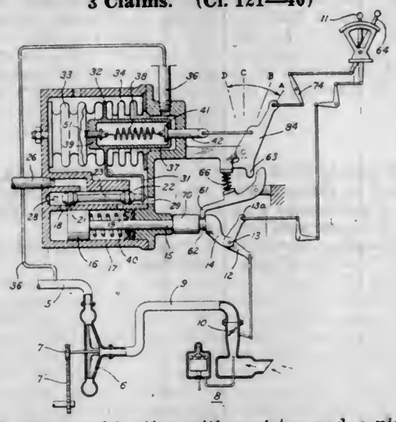
A sheet metal bottle carrying case having continuous side and end walls, cylindrically rounded at the corners, with their outer surfaces in vertical planes adapted for direct contact with those of adjacent containers and lower portions inwardly turned to provide bottom flanges downwardly beaded at their inner margins, said walls having inturned beads at their upper margins in sufficiently close proximity to the upper walls to allow the bottom beads of superposed containers to nest within the top beading of the lower container,—in combination with wire reenforcing for each of the beads, a removable cup-shaped bottom having outwardly turned top flanges adapted to rest upon the bottom flanges of the side walls, with the cupped portion suspended between the marginal beads of said side and end wall flanges, and a removable expanded metal false bottom marginally supported from the bottom flanges of the side walls with the flanges of the cup-shaped bottom interposed.

2,243,626

SERVO SYSTEM

David Gregg, Caldwell, and Richard Daalder, Paterson, N. J., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Original application December 21, 1938, Serial No. 247,120, now Patent No. 2,205,354, dated June 18, 1940. Divided and this application December 20, 1939, Serial No. 310,246
3 Claims. (Cl. 121—40)



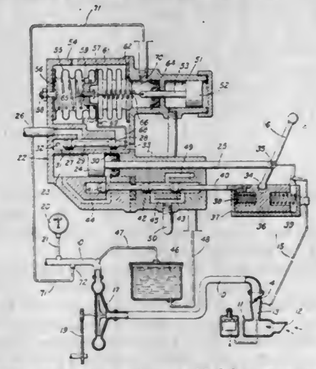
1. The combination with a piston rod, a piston, and a valve controlling delivery of pressure fluid to said piston for movement of said rod, fluid pressure responsive means for shifting said valve in one direction, means opposing said fluid pressure responsive means, manual means for increasing the effectiveness of said opposing means, and a latch engaging said piston rod in response to a predetermined degree of movement of said manual means.

2,243,627

PRESSURE REGULATING SYSTEM

David Gregg, Caldwell, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application April 18, 1940, Serial No. 330,385
14 Claims. (Cl. 123—119)



1. In a regulator of manifold pressure for in-

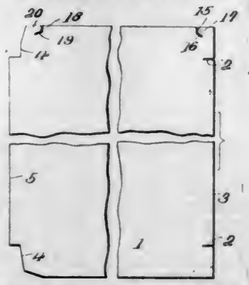
ternal combustion engines, an intake manifold, a throttle valve in said intake manifold, a hand throttle for moving said throttle valve, a servomotor for controlling the movement of said hand throttle, valve means associated with said hand throttle to effect overpowering of said servomotor, a multiple pressure chamber device having one chamber open to manifold pressure, a second chamber sealed at a predetermined pressure, a third chamber selectively open and closed to manifold pressure, said third chamber, when closed, cooperating with said second chamber to balance the pressure of said first chamber and when open to create a balance at a different pressure, valve means associated with said multiple chamber pressure device to actuate said servo-motor during periods of pressure unbalance to vary the opening of said throttle valve and thereby maintain the manifold pressure constant regardless of changes in manifold pressure due to conditions other than throttle valve setting.

2,243,628

SIDE SEAM FOR SHEET METAL CONTAINERS

Ellison L. Hazard, San Francisco, Calif., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application December 7, 1938, Serial No. 244,465
1 Claim. (Cl. 220—76)



A sheet metal can comprising a body portion having the edges thereof joined by a side seam including interlocking hooks and lap sections at each end thereof, a solder bond extending throughout the limits of the lock and lap sections, the lap sections at one end of the side seam having similarly formed slits extending into the blank from the top edge thereof to a depth not to exceed the depth of the flange which is to be rolled into a double seam in the attaching of the ends to the body, said slits being disposed relatively to each other and the edges of the lap sections so that a portion of each lap section may be extended through the slit of the other and brought into lapped engagement with each other, thus providing an interlock between the lap sections in the region where the flange is formed.

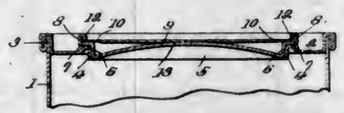
2,243,629

REBATE CHECK HOLDER FOR CONTAINERS

William W. Hodgson, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application May 16, 1940, Serial No. 335,586
3 Claims. (Cl. 40—7)

1. A friction plug closure member for containers having a depression surrounded by a vertical friction wall and a portion projecting laterally from the upper edge thereof, said projecting portion having an upstanding wall at the outer edge thereof, a rebate member having portions thereof overlying this projecting portion on the closure member, said upstanding portion being curled inwardly and downwardly so as to bring the edge



of the metal into gripping contact with the rebate member, the bottom of said depression in said friction plug being curved upwardly forming a dome-shaped support on which the center portion of the rebate member rests.

2,243,630

REACTION OF POLYSACCHARIDES WITH AMINOMETHYL PYRROLES

Alva L. Houk, Philadelphia, and Louis H. Bock, Glenside, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application October 10, 1939, Serial No. 298,796
7 Claims. (Cl. 91—70)

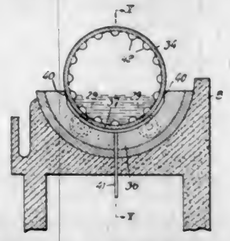
1. A method for preparing nitrogenous derivatives of polysaccharides which comprises treating the polysaccharide with a solution of a condensate of formaldehyde, a non-aromatic amine having a hydrogen attached to its nitrogen atom and a compound possessing a pyrrole ring having available for substitution hydrogen in at least one of the positions which are beta to the pyrrole nitrogen, and heating the mixture of polysaccharide and condensate.

2,243,631

BARKING DRUM

Axel Gustaf Johansson, Nalden, Alfred Mauritz Isidor Gidlöf, Ljusne, Sten Bergström, Stockholm, and Bror Manne Olsson, Nalden, Sweden

Application November 3, 1938, Serial No. 238,694
In Sweden November 13, 1937
5 Claims. (Cl. 144—208)



1. In an apparatus for removing bark from wood, the combination of a rotatable barking drum to receive the wood to be barked, a tank for retaining a liquid in which said drum is partially immersed, said drum having perforated sides and carrying spaced tires arranged about and rotating with the drum, means for supporting said drum in said tank including arc-shaped supporting members conforming to said tires, said members having bearing surfaces in said liquid in sliding contact with said tires, pressure spaces between said surfaces and said tires, and means for supplying fluid under sufficient pressure to said spaces to materially reduce friction losses and to prevent entrance of dirt from said liquid into said bearing surfaces.

2,243,632

SYNTHESIS OF VITAMIN D

Menfred L. Johnson, Glendale, Calif., assignor to Vitamin Technologists, Inc., Los Angeles, Calif., a corporation of California

Application June 1, 1938, Serial No. 211,224
2 Claims. (Cl. 204—159)

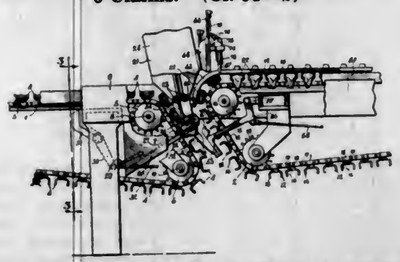
2. A method of producing or increasing vitamin D in ergosterol comprising: forming a solution of ergosterol in ether, the solution having not more than 1% of ergosterol therein; and exposing said solution to the action of ultra-violet light, about 90% of which is in the range of 2536 to 2540 Angstrom units, at a distance therefrom of approximately three-sixteenths of an inch and for a period of time of approximately forty-five minutes.

2,243,633

SOAP WRAPPING MACHINE

Ruel A. Jones, Covington, Ky., assignor to The R. A. Jones & Company, Covington, Ky., a corporation of Kentucky

Application March 8, 1940, Serial No. 322,967
6 Claims. (Cl. 93—2)



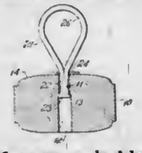
1. In an apparatus for applying a wrapping sheet about a soap cake or the like, comprising: conveyor means for conveying cakes of soap in a consecutive order having sections moving in opposing spaced parallelism for effecting a transfer of the cake from one conveyor section onto the other, sheet feeding means for interposing a sheet between said sections for interception by a soap cake in its transfer from one section onto the other, and a carrier reciprocable transversely to said sections for transferring the cake from one section onto the other to initially apply the sheet and embody the same with the cake, and suction means in conduit connection with the carrier for administering a suction pressure through the carrier during the transfer of the cake from one conveyor section onto the other.

2,243,634

SOAP HOLDER

Frederick Kadish, Cleveland, Ohio, assignor of one-third to Philip Becker and one-third to Reginald Honey

Application November 15, 1939, Serial No. 304,587
5 Claims. (Cl. 45—28)



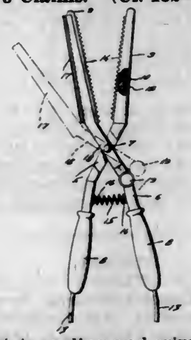
1. In a cake of soap, a holder, comprising in combination, a plug member, a handle member on the plug member, a flange member on the plug member, and a collar member slidable on the plug member between the handle and flange, the plug member contained in and the flange and collar members engaging the said cake of soap.

2,243,635

CURLING AND CRIMPING DEVICE

Cornelia Karasiewicz, Highland Park, Mich.

Application January 4, 1941, Serial No. 373,171
3 Claims. (Cl. 132—32)



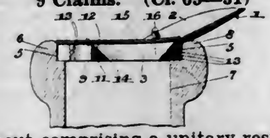
1. An electric curling and crimping device comprising a pair of crossed shank members pivoted together, elongated longitudinally tapered jaw members on one end of said shanks, said jaws being adapted to be heated, said jaws having interfitting roughened areas on their meeting surfaces to effect a positive hold on the articles clamped therebetween, and a resilient, normally expansible element secured between said crossed shank members at the end thereof remote from said jaws and serving to cause said shank members to swing relative to one another for urging the jaw members apart.

2,243,636

MILK BOTTLE SPOUT

Paul H. Kraetch, Astoria, Oreg.

Application November 22, 1938, Serial No. 241,848
9 Claims. (Cl. 65—31)



9. A spout comprising a unitary resilient foundation ring, solid in body to insure adequate firmness in handling prior to emplacement on the cap seat of a bottle, said ring having a simple spoon-shaped pouring lip extending from and monopolizing only a fraction of the perimetric contour of the ring, and said ring being right-triangular in cross section to provide a right angled external corner to fit the cap seat and an internal hypotenuse in mergence with the spoon-concavity of the lip.

2,243,637

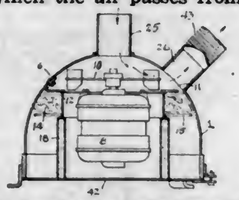
AIR CONDITIONER

George G. Landis, University Heights, and Frank Malner, Cleveland, Ohio, assignors to The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio

Application November 19, 1937, Serial No. 175,534
2 Claims. (Cl. 183—36)

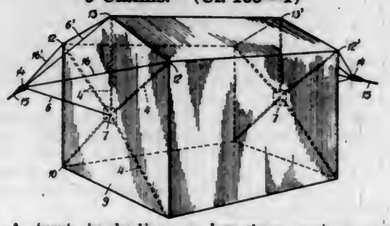
1. In an air cleaning device, a casing having

a chamber provided with an air inlet, a second casing provided with an air outlet, an annular third chamber arranged coaxially with said second chamber, a relatively coarse filter arranged across one end of said annular chamber and through which the air passes from said first to



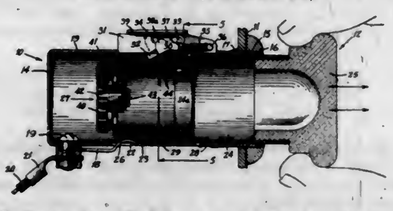
said third chambers, a relatively fine filter included in the lateral wall separating said second and third chambers, and a blower for moving the stream of air to be treated successively through said first, third and second chambers and successively through said coarse and fine filters.

2,243,638
TENT
Jos Eric Larsson, Malung, Sweden
Application March 25, 1940, Serial No. 325,896
In Sweden February 9, 1939
6 Claims. (Cl. 135—1)



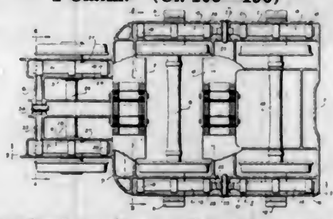
1. A tent including a bracing system on at least one vertical wall of the tent for stretching the tent-fabric, said bracing system comprising a fitting which viewed in a direction normal to the plane of said wall is located within the surface bounded by the edges of said wall and remote from said edges, and a plurality of arms secured to said fitting near the center thereof and to the tent wall and extensible from a collapsed condition to the corners of said wall as viewed in their projection on the plane of said wall and stopped and braced by said fitting when in an extended condition.

2,243,639
CIGAR LIGHTER
Herbert G. Lehmann, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application December 7, 1936, Serial No. 114,557
13 Claims. (Cl. 219—32)



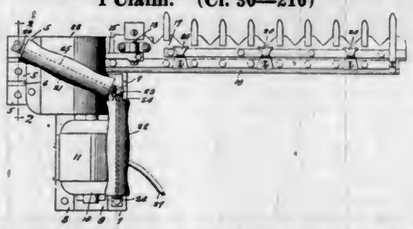
10. In a cigar lighter, a holding device; an igniting unit having a heating element thereon mounted on the holding device in a deep position and completely removable therefrom for use; means on the holder engaging the igniting unit for arresting the igniting unit in a given position against removal from the holder incident to outward movement of the igniting unit on the holder from deep position upon the application of a force in an outward direction; means for closing an energizing circuit to the heating element upon the igniting unit arriving in said given position; and means energized by the outward movement of the igniting unit for acting on the arresting means to release the same from holding relation with the igniting unit upon removal of said force in an outward direction whereby the igniting unit is free to be withdrawn completely from the holding device for use.

2,243,640
SIX WHEEL TRUCK
James C. Maris, Glenolden, Pa.
Application July 19, 1938, Serial No. 220,120
1 Claim. (Cl. 105—196)



A six wheel truck comprising, in combination, a single rigid frame having side wheel pieces connected at one of their ends by a transverse member, longitudinal frame members projecting from said transverse member and offset inwardly from said side wheel pieces thereby providing a truck which is relatively wide at one end and relatively narrow at the other end, said side wheel pieces terminating at said transverse member, each of said side wheel pieces having two pedestals and said longitudinally extending frame members each having a pedestal, a wheeled axle having outboard journal boxes slidably guided in one pair of the pedestals of said side wheel pieces, a second wheeled axle also having outboard journal boxes slidably guided in the other pair of pedestals of said side wheel pieces, and a third wheeled axle having inboard bearings slidably guided in the pedestals of the longitudinally extending frame members whereby the relatively narrow frame end formed by said longitudinal frame members allows the wheels of said third axle to be outwardly clear of the truck frame.

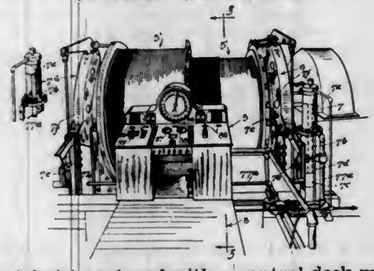
2,243,641
HEDGE TRIMMER
George W. Miller, Covington, Ohio
Application March 13, 1940, Serial No. 323,798
1 Claim. (Cl. 30—210)



A hedge trimmer comprising a support, a reciprocating sickle bar mounted on the support,

a motor mounted on the support and adapted to operate said sickle bar, a forward handle mounted on the support and extended at right angles to the sickle bar, a second handle mounted on the support and disposed at an oblique angle with respect to the first mentioned handle, said handles embodying spaced vertical bars and hand grips disposed between the spaced bars, and the second mentioned handle having one of its ends disposed adjacent to one end of the first mentioned handle, whereby the trimmer may be held in complete balance while in operation.

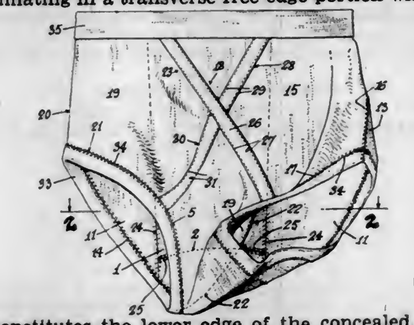
2,243,642
DRUM HOIST
William P. Muir, Hampstead, Quebec, and John H. Maude, Verdun, Quebec, Canada, assignors to Dominion Engineering Works Limited, Lachine, Quebec, Canada
Application March 28, 1939, Serial No. 264,672
2 Claims. (Cl. 254—150)



2. A hoist equipped with a control desk mounted on the operator's floor, said desk comprising a top panel provided with lever slots, underlying end compartments extending rearwardly from the front edge of said panel, the inner side walls of said compartments being separated by a space sufficient to accommodate the legs of an operator seated in front of the desk, a casing projecting upwardly at the rear edge of said panel, said casing forming the upper part of a rear compartment communicating with said end compartments, lever actuated control units mounted in said end compartments with their levers extending upwardly through said slots, a "Lilly" control unit arranged with its component parts housed in said rear compartment, said unit including a depth indicator visible through an opening in the front wall of said casing.

2,243,643
MAN'S SHORTS
William Murphey, Chattanooga, Tenn.
Application July 18, 1939, Serial No. 285,197
5 Claims. (Cl. 2—224)

1. In a garment of the type described, the combination of a central rear section of substantially uniform width from end to end, like lateral rear sections each having a slanting bottom edge, a pair of like crotch sections having curved side edges and terminating in opposite diagonally disposed slanting front edges, the front section having its side edge of similar length to the side edge of the adjacent rear side section and having the bottom edge curved to the shape of the leg of the wearer and having a diagonally disposed front edge aligned with the adjacent diagonal edges of the crotch section, a mating front section having its side edge of the same length as the side edge of the corresponding rear side section and having its lower edge curved to conform to the shape of the leg of the wearer and having an opposite diagonally disposed edge aligned with the diagonal edge of the other front section and terminating in a transverse free edge portion which

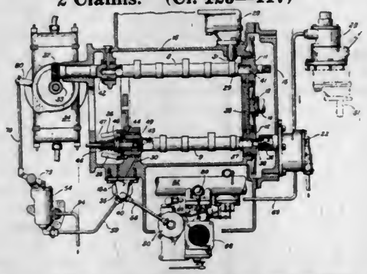


constitutes the lower edge of the concealed fly, and lines of stitching securing all of the aforesaid sections together.

2,243,644
PLASTICIZED PROTEIN COMPOSITION
Robert J. Myers, Elkins Park, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa.
No Drawing. Application March 12, 1940, Serial No. 323,629
8 Claims. (Cl. 106—38)

1. A composition of matter comprising a protein plastic and a salt of an acid of the formula $R—O—C_nH_{2n}—COOH$ wherein n represents a whole number less than six and R represents an aryl nucleus substituted with at least four carbon atoms of which at least three occur in the same substituent group.

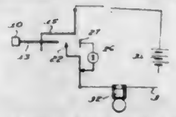
2,243,645
INTERNAL COMBUSTION ENGINE
Romeo M. Nardone, East Orange, N. J.
Application November 25, 1939, Serial No. 306,158
2 Claims. (Cl. 123—117)



1. In a hydraulic system for actuation of a combustion controlling device, such as an electrical contact shifter for establishing the time of ignition of the combustible mixture in relation to the positions of the parts to be actuated by the combustion of said combustible mixture, the combination with said contact shifter of means for actuating said shifter, said means including a piston mechanically linked to said contact shifter, a cylinder housing said piston, means connecting said cylinder with a source of fluid supply, means responsive to operation of the engine for producing flow of fluid from said source to said cylinder, and means integral with said cylinder for relieving excess pressure created therein after the piston has moved sufficiently to shift said contact shifter to the "full advance"

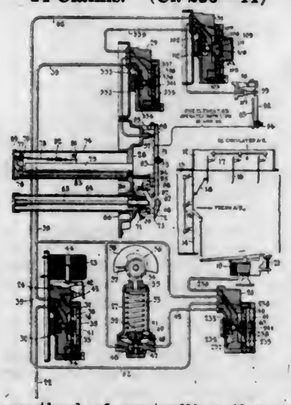
position wherein ignition occurs in that relationship to engine crankshaft position that has been preselected as most desirable during normal operation.

2,243,646
PUSH BUTTON SWITCH
David J. O'Brien, Toledo, Ohio
Application November 1, 1938, Serial No. 238,247
4 Claims. (Cl. 177—333)



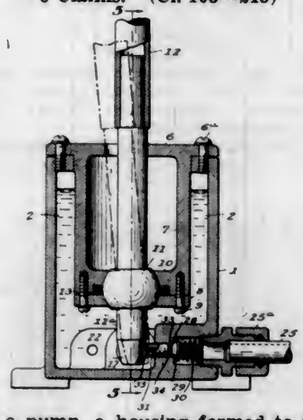
4. A switch structure comprising a slidable plunger of current conductive material, a sleeve of insulation on the plunger at a point slightly inward of one end thereof to define a contact tip at said end of the plunger, a guide of current conductive material through which and with which the plunger engages, a contact finger, a second contact finger, said contact fingers being constructed and arranged to permit the second-mentioned contact finger to wipe the plunger when the plunger has been moved to engage said first-mentioned contact, a case for the contacts and guide, said case having an opening therein, a collar circumscribing the opening, a button operative in the collar and to which the plunger is attached, a case for the guide, plunger and contact fingers, a lamp mounted in the case, a window in the case having indicia thereon, a source of current, one side of the source of current being connected to the guide, an alarm, the other side of the battery being connected to one side of the alarm, the other side of the alarm being connected in series with the lamp and first-mentioned contact finger, and a connection between the last-mentioned side of the alarm and the second-mentioned finger.

2,243,647
AIR CONDITIONING CONTROL
Carl A. Otto, Milwaukee, Wis., assignor to Johnson Service Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 23, 1938, Serial No. 197,707
14 Claims. (Cl. 236—44)



5. The method of controlling the proportions of fresh and recirculated air supplied to an air conditioner which comprises separately determining the departure of dry bulb temperature and relative humidity of fresh air from a chosen value and varying the proportion of fresh air supplied to the conditioner in inverse relation to the variations of the sum of said departures.

2,243,648
HAND OPERATED PRESSURE PRODUCING PUMP
Willis A. Patton, Cleveland, and William T. Stephens, Geneva, Ohio
Application January 12, 1939, Serial No. 250,660
6 Claims. (Cl. 103—215)

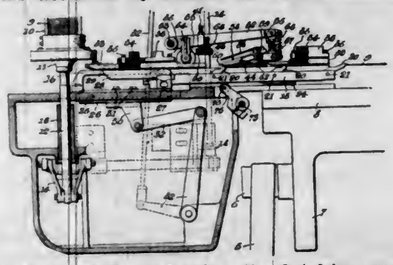


1. In a pump, a housing formed to include a liquid reservoir and opposed cylinders, pistons slidably mounted in said cylinders and projecting beyond the inner ends thereof, spring means arranged between said pistons and the outer ends of said cylinders, a unitary hand operated oscillatory lever arranged for universal movement and having the lower end thereof arranged between the inner ends of said pistons, an inlet uniting each of said cylinders with said reservoir; said inlets being provided with check valves limiting the flow of fluid therethrough to one direction, outlets leading from said cylinders, check valves in said outlets for limiting the flow of fluid therethrough to one direction, and a normally closed fluid return valve situated to close a port establishing communication between said outlets and said reservoir, said return valve being disposed contiguous to the lower end of said operating lever whereby proper movement of said lever will effect the opening of the return valve.

2,243,649
DOUBLE BLANK EJECTOR
Paul E. Pearson, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application July 29, 1939, Serial No. 287,399
10 Claims. (Cl. 209—88)

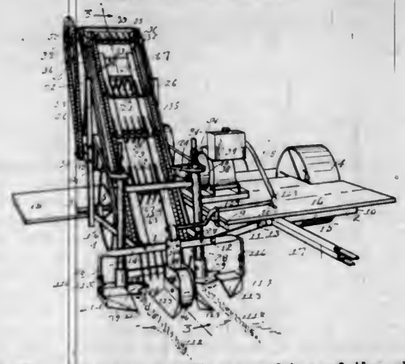
3. In a blank feeding mechanism, means for supporting blanks being fed, means for ejecting double blanks fed along the supporting means and including an ejector movable between a normal inactive position and an effective blank engaging and ejecting position, means for feeding blanks along said supporting means and including a reciprocating feed bar effective to move blanks to and beyond said ejector, means for detecting the presence of a double blank on said supporting means and for moving the ejector to its active position to effect an ejection of the detected double blank, latching means effective each

time the ejector is moved to its active position for temporarily securing it in that position, and means actuated by return stroke movement of



said feed bar for releasing the latching means to effect a restoration of the normal condition of said ejector.

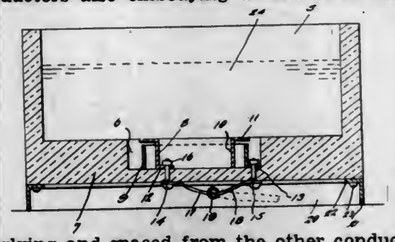
2,243,650
HARVESTING MACHINE
Benjamin Poll, Holland, Mich., assignor to Joseph M. Cirese, San Jose, Calif.
Application May 8, 1939, Serial No. 272,365
9 Claims. (Cl. 56—157)



1. In a plant harvesting machine of the class described: a vehicle having a channel member extending rearwardly from the inlet end thereof and provided with a pair of guide bars at its respective sides, extending parallel with said member's bottom; a pair of belts travelled parallelly with the bottom; spaced cross bars having middle web portions and transversely extending end portions pivotally mounted adjacent their free ends on the belts respectively and having also wing portions carried by the web portions and extending toward said bottom in their operative rearward movement for engaging and moving the harvested plants therealong, the cross bars being turnable rearwardly by their engagement with the harvested plants to positions wherein the cross bars engage the guide bars rearwardly of said pivotal mounting for holding their wing portions transversely of the channel member in their operative rearward movement; and means adjacent said inlet end for severing the growing plants.

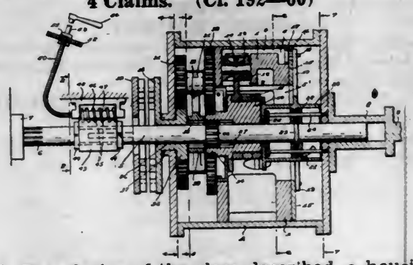
2,243,651
WATER HEATER
Henry C. Price, Elizabeth City, N. C.
Application September 11, 1939, Serial No. 294,362
1 Claim. (Cl. 219—40)

An electric heater comprising a receptacle of insulation material having a well formed in the surface of its bottom portion, a pair of electric conductors positioned in said well, each of said conductors embodying inner and outer concentrically arranged spaced rings, the outer ring being spaced from the wall of the well, one of said conductors also embodying a horizontal flange



overlying and spaced from the other conductor, said flange having its surface in the horizontal plane of the surface of the bottom of the receptacle, lugs on said conductors and electric terminals extending through the bottom of the receptacle and attached to said lugs.

2,243,652
FLUID CLUTCH
William Harvey Reed, Effingham, Ill.
Application January 18, 1940, Serial No. 314,569
4 Claims. (Cl. 192—60)

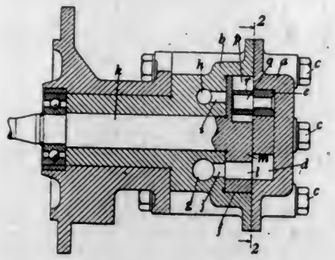


1. In a device of the class described, a housing containing liquid, a driven shaft connected with the housing, a drive shaft extending into the housing, an eccentric located in the housing and rotatably supported on said drive shaft, pistons in the housing, cylinders in the housing in which the pistons operate, means for reciprocating the pistons from the eccentric, outwardly opening valves in the pistons, said housing having passages therein connecting the outer ends of the cylinders with the inner ends of said cylinders, valve means for controlling the passages, means for actuating the valve means by longitudinal movement of the drive shaft, means for connecting the drive shaft with the eccentric by longitudinal movement of the shaft, said eccentric normally being free of the drive shaft and manually operated means for moving the drive shaft longitudinally.

2,243,653
ROTARY PUMP
Edgar Orlando Rodaway, Birmingham, England, assignor to Thomas Savery Pumps Limited, Birmingham, England
Application December 17, 1938, Serial No. 246,472
In Great Britain December 23, 1937
4 Claims. (Cl. 103—129)

1. A rotary pump comprising the combination of a body provided with suction and delivery ports, a rotor mounted in said body, an annular chamber provided in said body at one side of said

rotor, at least two segmental impellers mounted in and rotatable around said chamber, said rotor being provided with ports which are in constant communication with spaces between the ends of the said impellers, and which are successively brought into communication with said suction



and delivery ports during rotation of said rotor, and means for effecting a driving connection between said rotor and impellers so that, when the pump is in action, said impellers rotate around said chamber and alternately approach and recede from each other.

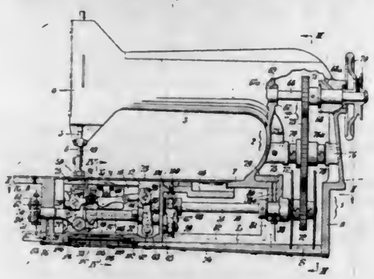
2,243,654

SEWING MACHINE

George Sauer, Berwyn, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application August 1, 1938, Serial No. 222,398

11 Claims. (Cl. 184—6)



1. In a sewing machine, a base with a work support having an integrally formed pendant web of uniform depth to define a continuous chamber wall, a channel in the bottom edge of said web, and a removable cover plate secured fluid tight against the bottom edge of the wall for capacity to retain a supply of lubricating oil in the chamber, said plate also closing the channel; looper and feeding mechanisms within the chamber; and means whereby oil is conducted from the supply within the chamber by way of the channel aforesaid to various parts of the stitch forming and feeding mechanisms.

2,243,655

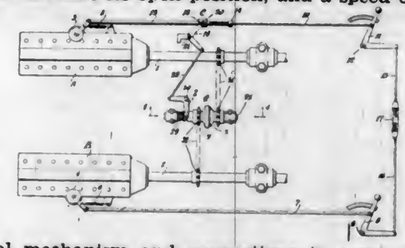
SPEED CONTROL MECHANISM

Walter C. Scott, Plainfield, N. J.

Application August 14, 1936, Serial No. 96,056

12 Claims. (Cl. 60—97)

1. The combination with a carbureter throttle movable in opposite directions, of a spring to urge said throttle toward its closed position, means controlled by the operator to move said throttle into its open position, and a speed con-



trol mechanism and connections to move said throttle toward its open position.

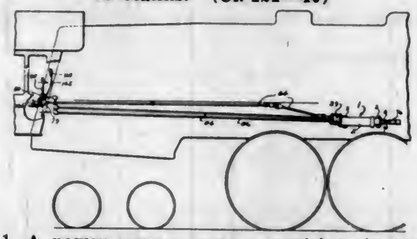
2,243,656

POWER REVERSE GEAR

Ellwood M. Shannon, Bala Cynwyd, Pa.

Application April 14, 1937, Serial No. 136,772

10 Claims. (Cl. 121—40)



1. A power reverse gear comprising, in combination, a rod, a screw, means including a nut operatively connecting said screw and rod, a rotatable servo-motor for operating said screw, means for commonly supporting the rod, the screw and the servo-motor, a plurality of cooperating valves for controlling and distributing operating fluid to said servo-motor, including a shuttle valve selectively disposable in forward, neutral or reverse position, and means including a shiftable link and a rotatable element actuated thereby so as to move said shuttle valve to its neutral position and thereby shut down said motor automatically when said rod has moved to a predetermined position in its travel.

2,243,657

TOOL FOR CUTTING FRUIT

Tadao Tachi, Honolulu, Territory of Hawaii, assignor to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, a corporation of Hawaii

Application April 30, 1940, Serial No. 332,439

5 Claims. (Cl. 30—142)



1. A tool for trimming shells and extracting eyes from fruit and for like uses comprising a trimming knife having a handle and an elongated blade projecting therefrom, a cutting edge on said blade, and a pair of opposed forceps-like

eye extractor jaws secured to said knife and projecting outwardly from one side of the knife adjacent the blade end of the handle at an angle to the plane of the blade, said jaws provided with cutting edges at their protruding ends and mounted for movement of one of said jaws toward and away from the other, said jaws positioned and adapted for manipulation by the hand grasping said handle.

2,243,658

LOW TEMPERATURE ACTIVE POLYMERIZATION CATALYST

Robert M. Thomas, Union, and Ober C. Slotterbeck, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application October 2, 1937, Serial No. 167,024

13 Claims. (Cl. 260—94)

1. In a process for polymerizing iso-olefins at low temperatures below —20° C. to produce polymers of high molecular weight, the step of utilizing as a catalyst a previously prepared solution of a solid halide of the Friedel-Crafts type dissolved in an alkyl halide of less than 5 carbon atoms the said solution being characterized by a freezing point below 20° C. and a concentration of solid halide between 0.1% and 5.0%, prepared at a temperature well below room temperature.

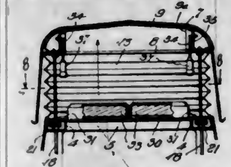
2,243,659

SEDAN TOP AND SLEEPING COMPARTMENT

Arthur S. Thompson, Ontario, Calif.

Application August 27, 1940, Serial No. 354,457

7 Claims. (Cl. 296—23)



1. In a vehicle construction, a body open at its top, a cover for said body having vertically extensible walls secured at their lower ends to the body about the open top thereof, means for shifting the cover vertically and supporting the cover in raised position, a panel for partially closing the opening at the top of the body, means for detachably connecting the panel with the cover whereby the panel may be selectively moved upwardly with cover or remain resting upon walls of the body when the cover is raised, and a mattress carried by the panel.

2,243,660

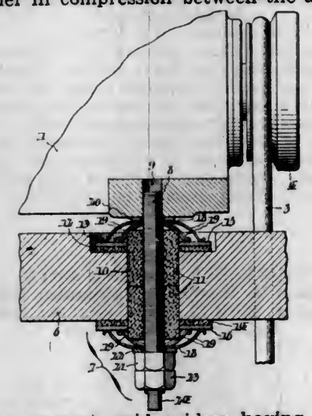
VIBRATION CONTROLLING AND DAMPING DEVICE

Charles S. Thompson, Elmhurst, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application April 5, 1938, Serial No. 200,077

7 Claims. (Cl. 248—21)

7. Vibration controlling and damping means for sewing machines or the like comprising, in combination with a support, a plurality of independently-adjustable devices by which the machine is suspended at different points, each such device including a stud which projects downward from the machine base and which passes, with clearance all around, through an opening in the support, an adjustable abutment on the outer end of the stud, and a pair of opposingly-arranged apertured vibration-absorbing annular spring spiders loosely fitting around the stud, one in compression between the machine base and the support, and the other in compression between the abutment



and the support, said spiders having radially-extending fingers which respectively bear against the opposite sides of the support and by varied frictional pressure upon the latter incident to enforced flexure, operate to progressively check and dampen vibrations set up during the operation of the machine.

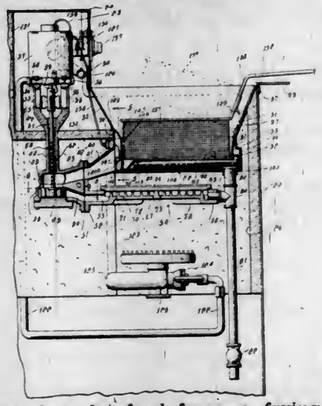
2,243,661

DEEP FAT FOOD FRYER

Kenneth P. Tota, Elmira, N. Y., assignor to Kenvic, Inc., Elmira, N. Y., a corporation of New York

Application July 30, 1940, Serial No. 348,567

20 Claims. (Cl. 53—7)

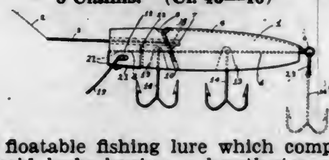


3. In a deep fat food fryer, a frying vat, a fat-heating element below the vat, a gas heater below the fat-heating element, a motor operated pump forming communication between the vat and heating element and positioned below the level of fat in the vat for the gravitational flow of fat and sediment to the pump, a return pipe connection between the heating element and vat, and a combined fat distributor and filter removably mounted on the bottom fall of the vat to intercept the return flow of fat to the vat to collect sediment from the fat and distribute the fat over the lower area of the vat.

2,243,662
POLYMERIC MATERIALS
Gordon T. Vaala, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 25, 1938, Serial No. 221,233
10 Claims. (Cl. 260—18)

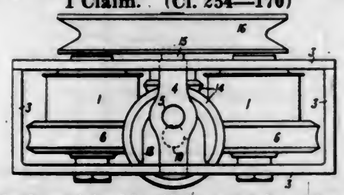
1. A synthetic linear polyamide plasticized with a carboxylic acid having a boiling point above 200° C., the said polyamide being the reaction product of a polymer-forming composition comprising reacting materials selected from the class consisting of (*a*) polymerizable monoaminomonocarboxylic acids, and (*b*) mixtures of diamine and dibasic carboxylic acid; the said polyamide having an intrinsic viscosity of at least 0.4.

2,243,663
FLOATABLE FISHING BAIT
William M. Wareham, Valparaiso, Ind.
Application April 19, 1940, Serial No. 330,571
8 Claims. (Cl. 43—46)



1. A floatable fishing lure which comprises a body, said body having a lengthwise opening, an opening transverse of said lengthwise opening, a lengthwise exterior groove, and a plurality of recesses on its underside and extending across said lengthwise opening, an assembly spring, said spring having a straight portion, a curved portion, and a portion arranged at an acute angle with said curved portion, said curved portion lying in said groove, and said angularly arranged portion passing into said transverse opening, a line link extending into said body and connected to said angular portion of said spring, and accessories detachably secured to said spring.

2,243,664
BLOCK AND TACKLE LIFTING AND LOWERING DEVICE
Norman Charles Baird, Glasgow, Scotland, assignor to Albion Patents Limited, Glasgow, Scotland, a corporation of Great Britain and Northern Ireland
Application August 23, 1939, Serial No. 291,580
In Great Britain September 3, 1938
1 Claim. (Cl. 254—170)



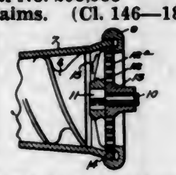
A block and tackle lifting and lowering device comprising a block casing having front and rear walls connected by side or end walls, a pair of horizontally spaced spindles carried by the front and rear walls of said block casing, a drum or pulley rotatably mounted on each spindle, a worm wheel carried by each drum or pulley, a vertical spindle supported by brackets formed integrally with a wall of said block casing, a worm secured on said vertical spindle and gearing with said worm wheels, a horizontal spindle supported by the rear wall of said block casing, bevel wheels operatively connecting the said latter horizontal spindle and the said vertical spindle, a driving wheel carried by said latter horizontal spindle, and load supporting chains, ropes or cables trained over said drums or pulleys.

2,243,665
FEEDER AND DISTRIBUTOR FOR CONVEYERS
William D. Balcom, Greeley, Colo.
Application April 13, 1939, Serial No. 267,587
4 Claims. (Cl. 221—118)



1. A feeder and distributor for conveyers comprising: a hopper; a semi-cylindrical, inclined bottom in said hopper, said bottom being open adjacent its lower extremity; an end wall in said hopper closing the lower extremity of said bottom and provided with a discharge passage in its lower edge; a curved plate closing the opening in said bottom, said latter plate and said bottom being curved about a common inclined longitudinal axis; means for hingedly supporting said plate at said axis so that it may swing on the arc of said bottom below the opening therein so as to impel material toward said discharge passage; and means for swinging said plate.

2,243,666
KNIFE UNIT FOR MEAT CUTTERS
Donald O. Beckner, Bolton, Mass.
Original application February 24, 1939, Serial No. 258,257. Divided and this application October 11, 1939, Serial No. 298,933
5 Claims. (Cl. 146—189)

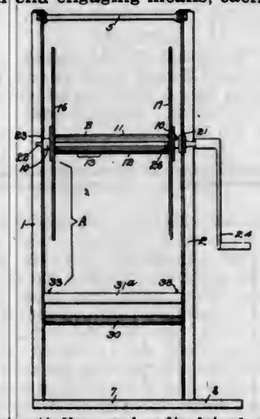


1. A rotary knife for a meat cutter, comprising a core including a hub and a plurality of lateral arms, said core comprising a forging of a relatively soft tough steel, each arm of the core having along a corresponding side a relatively hard stainless-steel rod of original polygonal cross section and of which an outer longitudinal corner portion provides a cutting edge element along the corresponding arm, other portions of each rod being disposed around its arm as a coating substantially completely enclosing the latter and adjacent meat-contacting portions of the hub, whereby the knife as a whole presents to the meat a surface unaffected by the acids thereof and is equipped with cutting edge elements of extreme durability and so supported and connected by the tough, relatively soft core that breakage tendencies under operating stresses and vibrations are reduced to a minimum.

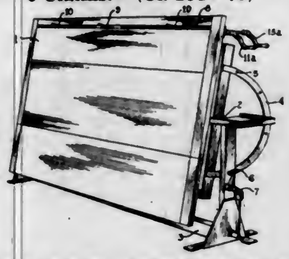
2,243,667
HOLDER FOR CELERY BLANCHING PAPER
Antonio Busá, Lexington, Mass.
Application August 10, 1940, Serial No. 352,102
3 Claims. (Cl. 242—55)

1. A blanching strip winder and holder com-

prising a tent-shaped frame including a support consisting of two frame members with shaft bearings on one frame member, a shaft therein provided with a crank, and roller disks and end plates adjacent the shaft ends, each end plate having roll end engaging means, each plate having a substantially semi-cylindrical shaped segment member cooperating to form substantially a cylindrical winding roll, each segment member having an end plate cooperating engaging member, and a key member on an end plate to space the segment members and lock them in position.



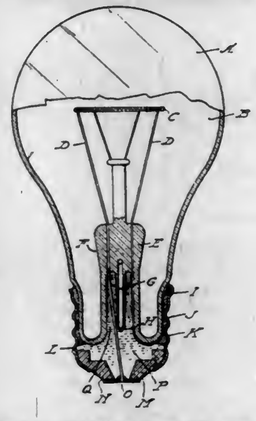
2,243,668
CUTTING TABLE
James A. Cash, Louisville, Ky., assignor to Fred Franke & Co., Louisville, Ky., a corporation of Kentucky
Application October 26, 1938, Serial No. 237,027
6 Claims. (Cl. 164—78)



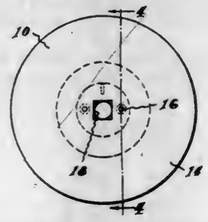
2. A cutting table comprising: a table top; slides mounted on said table; mechanism for simultaneously moving the slides laterally toward or away from each other to vary the distance therebetween; fabric-engaging pins laterally movable with said slides; and a mechanism slidably mounting said pins for longitudinal movement relatively to said slides, said mechanism being operable to move the pins lineally between fabric-engaging and disengaging positions, wherein the pins extend in projecting and non-projecting relationship relatively to the table top.

2,243,669
ELECTRICAL VAPORIZER
James B. Clyne, Chicago, Ill., assignor to Jay H. Emerson, Chicago, Ill.
Application November 13, 1939, Serial No. 304,178
9 Claims. (Cl. 219—45)

1. A device for causing a diffusible substance to emit fumes comprising, in combination, a partially evacuated bulb having an inwardly extending terminal support at one end; said support being hollow; a filament in said bulb; a connection base having one end mounted on the terminal support end of said bulb; an insulator mounted within the free end of said connection base; a chamber defined by the hollow terminal support, connection base and insulator, and a diffusible substance in said chamber adapted to emit fumes when heated by the heat of the filament when the latter is connected with a source of electric current.

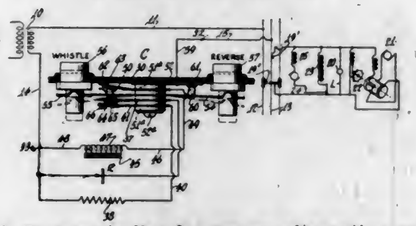


2,243,670
CONVERTIBLE SPOOL REEL
Homer L. De Golyer, Dallas, Tex.
Application November 14, 1938, Serial No. 240,312
1 Claim. (Cl. 242—70)



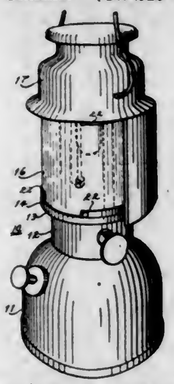
As a new article of manufacture, a mounting and identifying means for filing microfilm comprising the combination of a spool bearing on its ends indicia representative of the subject matter of the film wound thereon and having a square axial opening therethrough and opposed pin receiving recesses in either end of said spool, said spool further having a slot in its exterior in parallel relationship with said opening to receive a film end, a flange having pins frictionally receivable in said recesses on one end of said spool having a circular aperture therein in line with one end of the square opening through said spool, a companion flange having a square aperture embracing the opposite end of said square opening and having pins frictionally receivable by the recesses in the opposite end of said spool, said flanges being applicable to said spool and reel when the latter is arranged in a viewing machine, the said apertures in said flanges being adapted to be received by the mechanism of said viewing machine.

2,243,671
CONTROLLER FOR TOY TRAINS
Anthony Ehret, Hillside, N. J., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application March 16, 1940, Serial No. 324,329
10 Claims. (Cl. 104—150)



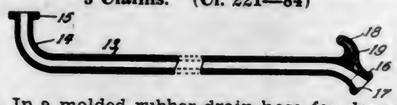
1. In a controller for use on alternating current circuits, in combination, a common supply terminal, a choke coil, a rectifier, a resistance connected to said common supply terminal, a manually movable load connectible contact, an output contact for the choke coil normally in contact relation with the manually movable contact during a portion of the movement thereof, an output contact for the rectifier engageable by the manually movable contact before the latter is moved away from the choke connected contact whereby the choke is shunted with the rectifier and then the shunt circuit is opened so that direct current only is supplied to the load connectible contact without opening the circuit, and an output contact for the resistance against which the choke connected contact is brought on further movement of the manually movable contact so that alternating current with a component of direct current may be supplied the load connectible contact.

2,243,672
LANTERN REFLECTOR
Earl G. Griffith and Howard L. Johnson, Jamestown, N. Y.
Application May 28, 1938, Serial No. 210,717
2 Claims. (Cl. 240—103)



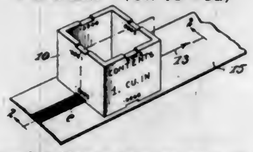
1. A reflector for lanterns having a centrally located unobstructed glass enclosure, said reflector comprising a semi-cylindrical reflecting portion, a pair of straps adjacent the upper and lower edges of said reflector, said straps being spaced inwardly from and conforming generally to the contour of said portion, projections on said straps extending radially outwardly and being joined to said portion, and ends on said straps, said ends being spreadable to permit entrance of said glass enclosure into the space within said reflector and adapted to engage said enclosure to vertically locate and laterally space said reflector with respect to said lantern.

2,243,673
MOLDED DRAIN HOSE
Raymond Henry, Rock Island, Ill.
Application July 4, 1939, Serial No. 282,758
3 Claims. (Cl. 221—84)



2. In a molded rubber drain hose for domestic washing machines, a curved elbow section, a straight section adjoining the elbow section, an angular nozzle section adjoining the straight section, a rubber hook extending from the nozzle section, and a metallic reinforcement imbedded within said hook, the molded rubber material having a moderately stiff resilient body and a smooth unobstructed bore, and the sections of the hose being proportioned and arranged to permit the hose to be easily flexed into upright resilient supported position adjacent the tub without collapsing the hose and to be released to lowered discharge position.

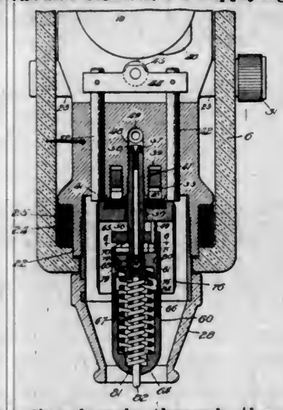
2,243,674
METHOD AND MEANS FOR TESTING INK REQUIREMENTS
Fred W. Hoch, Forest Hills, N. Y.
Application July 27, 1939, Serial No. 286,763
2 Claims. (Cl. 73—51)



2. A device for the measurement of color tones of inks, which consists in a testing device having a hollow container for the ink to be tested and provided with a plurality of cutouts or slots at its perimeter, said slots having differently sized depths, the size of each such opening being definitely gauged as a measuring means for allowing a desired quantity of ink to pass therethrough from the inside to the outside of the container by a relative movement in one direction of the testing device across a testing surface placed in juxtaposition therewith to form a certain thickness of ink film and a certain color tone shade on said testing surface, and in another direction of movement to form a different thickness of ink film and a different color shade tone on said testing surface, each indicative of a predetermined drying time, from which the area of coverage in square inches of a definite cubical content may be determined.

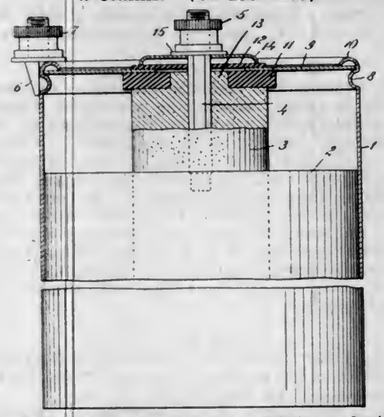
2,243,675
BEVERAGE DISPENSING DRAFT ARM
Alphonso L. Koenig, Chicago, Ill.
Application July 1, 1939, Serial No. 282,453
11 Claims. (Cl. 225—26)

1. The combination with a draft arm apparatus including a casing provided with a syrup measuring chamber having an outlet in the bottom, a device for admitting syrup to said chamber, a valve for said outlet, a handle for actuating said device and opening said valve: of a stationary tubular element for supplying charged



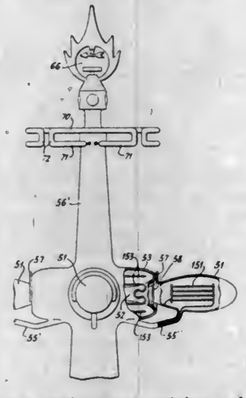
water extending loosely through the aforesaid valve, a controlling valve for said element, and means actuated by the first-mentioned valve to open said controlling valve.

2,243,676
DRY CELL
Morris D. Koppelman, New Haven, Conn., assignor to Western Cartridge Company, New Haven, Conn., a corporation of Delaware
Application April 25, 1940, Serial No. 331,549
2 Claims. (Cl. 136—133)



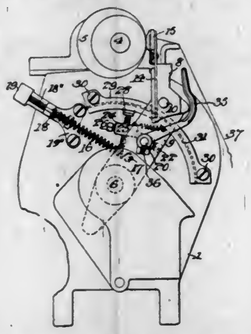
1. A dry cell comprising a container electrode, a central electrode arranged therein, the upper end of the central electrode being provided with a necked portion forming a shoulder, an insulating washer of impregnated, soft fibrous material mounted on the shoulder, surrounding the necked portion of the central electrode, and extending beyond the central electrode, but terminating inwardly of the container electrode, a metal closure disc secured to the upper edge of the container electrode and having a central opening, the inner portion of said disc resting upon said washer, a terminal post carried by said central electrode and extending through the opening in said disc, an insulating washer arranged over the central portion of said closure disc, and clamping means cooperating with said terminal post for retaining said closure disc and washers in place.

2,243,677
WIDE BAND ANTENNA
Nils E. Lindenblad, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 13, 1939, Serial No. 273,395
9 Claims. (Cl. 250—33)



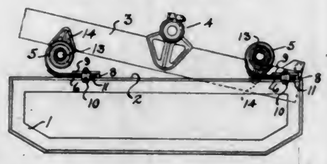
1. An antenna system comprising a hollow radiating conductor element, a radio frequency transmission line having a conductor connected to said radiating element, a hollow connection to ground from a point on said radiating element remote from the connection of said transmission line, means for heating said radiating element therewithin and electrically conducting energy supply means for said heating means passing through said hollow connection.

2,243,678
YARN GUIDE CONTROL FOR WINDING MACHINES
John O. McKean, Westfield, Mass.; Hampden National Bank & Trust Co. of Westfield, Massachusetts, Westfield, Mass., executor of said John O. McKean, deceased, assignor to Foster Machine Company, Westfield, Mass., a corporation of Massachusetts
Application February 20, 1939, Serial No. 257,371
15 Claims. (Cl. 242—18)



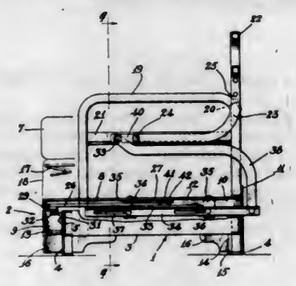
7. In a winding machine, a package spindle, a yarn guide mounted for motion toward and away from the spindle, means for urging the guide toward the spindle, and means actuated by the movement of the guide toward the spindle under the influence of said urging means to retard said movement without stopping it.

2,243,679
VIBRATING SCREEN
Gustave A. Overstrom and George Overstrom, Eagle Rock, and Conrad Overstrom, Pasadena, Calif.
Application May 13, 1939, Serial No. 273,438
1 Claim. (Cl. 209—415)



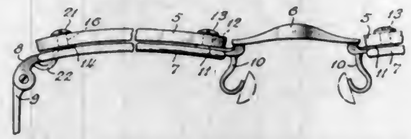
In a vibrating screen, the combination including a supporting base, a screen box, a plurality of involutely coiled springs for supporting said screen box from said base, each of said springs having a tangential tail detachably secured to said base and its innermost convolution shaped to form a passage of circular cross-section, a stub shaft having an end of circular cross-section of slightly larger diameter than that of said passage securely held in said passage solely by a forced fit, and means for detachably securing each of the stub shafts to said screen box.

2,243,680
STUDIO COUCH
Ira M. Pink and Victor Bergstrom, Chicago, Ill., assignors to Superior Felt & Bedding Co,. Chicago, Ill., a corporation of Delaware
Application July 22, 1938, Serial No. 220,632
9 Claims. (Cl. 5—18)



1. A twin studio couch comprising, in combination, a normally stationary couch section, a normally movable couch section mounted for rectilinear movement into and out of position over said stationary section, a back rest having end members pivotally mounted on opposite ends of said movable section for swinging movement from a back position into a forward position, an actuating mechanism at one end of said movable section comprising a lever pivoted to said movable section, a bracket fixed on said stationary section and having a longitudinal slot, a pin on said lever projecting slidably through said slot and formed with a key preventing separation from said bracket except when said sections are in relatively extended position, and means interconnecting said lever with said back rest to swing said lever in timed relation to the swinging movement of said back rest, a duplicate actuating mechanism at the other end of said movable couch section, crossbars secured to said levers of said actuating mechanisms, and cross cables connecting the opposite ends of said bars to equalize the movement of said levers.

2,243,681
OPHTHALMIC MOUNTING
Jacob J. Pomeranz, Brooklyn, N. Y.
Application March 5, 1941, Serial No. 381,794
4 Claims. (Cl. 88—41)



1. An ophthalmic mounting comprising a bridge, frame elements on opposite sides of said bridge and following the contour of the edges of lenses supported by said mounting, lens securing members adjacent said bridge for attachment to the nasal portions of said lenses, a temporal lens securing member supported by each frame element for connection to a predetermined point at which an opening is formed in a lens associated with said element, and a bendable loop extending rearwardly from the rear surface of said frame element and then forwardly to said temporal lens securing member, said loop being of such cross section and of sufficient length to permit radial adjustments of said temporal lens securing member relative to the opening in said lens.

2,243,682
CELLULOSIC MATERIAL
Reginald John William Reynolds, Eric Everard Walker, and Clarence Sydney Woolvin, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application December 1, 1936, Serial No. 113,701. In Great Britain December 6, 1935
15 Claims. (Cl. 8—116)

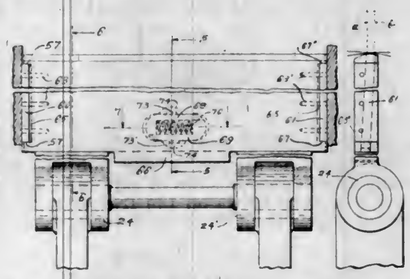
1. A process for treating cellulosic material whereby to impart thereto an improved permanent finish, which comprises impregnating the same with a compound of the general formula R—O—CH_2—$NR'R''R'''$—Hal, wherein R stands for an aliphatic radical containing not less than 12 carbon atoms, and wherein R', R'' and R''' represent three aliphatic radicles, while Hal stands for halogen, and then heating the impregnated material in the absence of moisture at a temperature sufficient to decompose said quaternary compound, as evidenced by liberation of the free base.

2,243,683
STABLE DRY OXIDIZING MIXTURE HAVING CONTROLLED OXYGEN EVOLUTION RATE WHEN USED IN SOLUTION
Joseph L. Richmond, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 16, 1939, Serial No. 279,391
4 Claims. (Cl. 252—186)

1. An oxidizing composition, which is a mixture of dry materials, comprising sodium perborate as the principal ingredient, a wetting agent, sodium pyrophosphate as a stabilizing agent and normal sodium sulfate as an oxygen-evolution-accelerating agent.

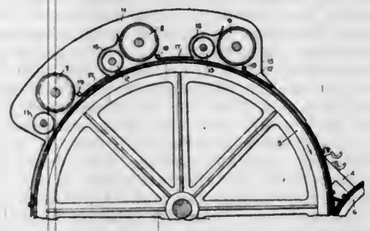
2,243,684
VANE FOR ROTARY MOTORS
Alfred H. Schaefer, Rosedale, Md.
Application April 29, 1940, Serial No. 332,387
9 Claims. (Cl. 121—84)

1. A vane for rotary engines having an arcuated compression chamber and a rotor including a guideway in said rotor for receiving the vane, said vane comprising a pair of adjacent leaves adapted to slide within the guideway, said leaves having means at one edge thereof for moving the leaves within the guideway, and having their



adjacent sides tapered laterally in opposite directions, the outer edge of the vane having a greater curvature than that of the said compression chamber and the taper of the leaves being such as to provide uniform thickness to the said vane throughout its area.

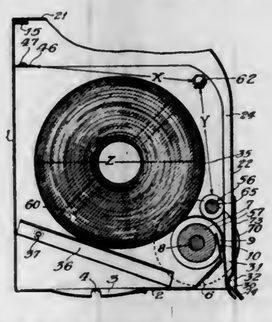
2,243,685
CARDING MACHINE
Fred J. Schiessler, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application March 21, 1940, Serial No. 325,143
3 Claims. (Cl. 19—100)



1. In a roll top carding machine, the combination with a main carding cylinder, of a plurality of stripper and worker combinations, of a baffle plate adjacent to the surface of said carding cylinder between said stripper and worker combinations for preventing the formation of air currents, said baffle plate having a portion curved to conform to the curvature of said carding cylinder and another portion curved to conform to the curvature of a stripper, and a cover over said stripper and worker combinations.

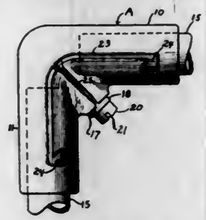
2,243,686
DISPENSING CABINET
Frank G. Steiner, Chicago, and Rudolph G. Birr, Lombard, Ill., assignors to Steiner Sales Company, Salt Lake City, Utah, a corporation of Utah
Application May 24, 1939, Serial No. 275,450
2 Claims. (Cl. 242—55.5)

1. A dispensing cabinet having a back and side walls, a dispensing roll journaled in the side walls, a pair of supports, each carried by a side wall, means pivoting each support to its side wall so that each can be separately adjusted, said supports extending forwardly and downwardly toward and to a point below the level of the bottom of the dispensing roll, said supports adapted to be bridged by and to support by its outer ends a supply roll so that said supply roll constantly engages the dispensing roll by gravity action, said supports being adapted to be adjusted by moving their outer and lower ends upwardly toward the measuring roll, whereby leveling of the supply roll



in relation to the dispensing roll can be obtained conformably to variations in winding irregularities in the supply roll and whereby the degree of gravity contact pressure of the supply roll with the dispensing roll can be varied conformably to the changing weight of the roll resultant from use, and whereby these adjustments can be made with a minimum of forward movement of the supply roll.

2,243,687
PIPE FITTING
Thomas G. Sutherland, Chicago, Ill.
Application November 13, 1939, Serial No. 304,005
18 Claims. (Cl. 287—54)



1. A coupling comprising a hollow metal housing adapted to receive tubes, rods and the like therein, said housing having a longitudinal slot extending intermediate the ends thereof and a laterally extending slot terminating in said first slot intermediate its ends, said slots extending radially through the side walls of said housing, and means for expanding said laterally extending slot for contracting said first slot to draw the housing into tight engagement with the inserted tubes, rods and the like.

2,243,688
PENCIL
Martin E. Trollen, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application December 16, 1939, Serial No. 309,587
4 Claims. (Cl. 120—18)

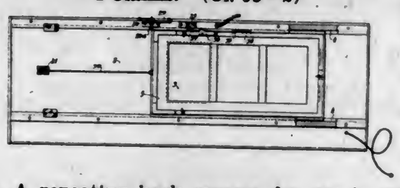
2. In a pencil, a hollow plastic barrel, a rotatable head on said pencil, a cylindrical member secured to said head and extending into said bar-

rel, a split sleeve encircling said cylindrical member, and a circular shoulder means of a diameter



to fit closely within said barrel to center said head with said barrel.

2,243,689
PHOTOGRAPHIC CAMERA
David George Henry Waddington, Bournemouth, England
Application July 8, 1938, Serial No. 218,059
In Great Britain November 9, 1937
4 Claims. (Cl. 95—2)



1. A repeating back camera for use in color photography comprising track means for receiving a dark-slide carrier, a dark-slide carrier provided with colour differentiating means, roller blind rollers carrying a roller blind shutter having exposure proportioned apertures, a pinion carried by one of said rollers and engaged by a rack slidably mounted on the top of the platform, a cam device on said rack, tensioning and winding mechanism for the roller blind, means for resetting the shutter and for winding up the motor, movable tappet means for engaging said cam device, movable tappet means for engaging said rack, stop movable tappet means, a stop lever device pivotally connected to the camera back, means carried by said tappet means to engage said lever device, means carried by the dark-slide carrier for engaging said tappet means, means for holding the rack in the set position and for releasing the mechanism.

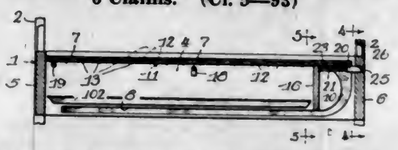
2,243,690
WEIGHING SCALE
Burns S. Watling, Chicago, Ill., assignor to Watling Scale Company, a corporation of Illinois
Application April 12, 1939, Serial No. 267,461
3 Claims. (Cl. 265—61)

3. In a counter-balance actuating mechanism for weighing scales of the type described, a pivoted cross-bar for connecting a platform-actuated yoke to a pair of counter-balance weight-actuating straps consisting of a ring-shaped hub made in two complemental semi-circular sections connected together, an anti-friction bearing member on which said hub is mounted, said hub and bearing member formed with interfitting parts locking them against relative lateral displacement, a pivot stud on which said bearing



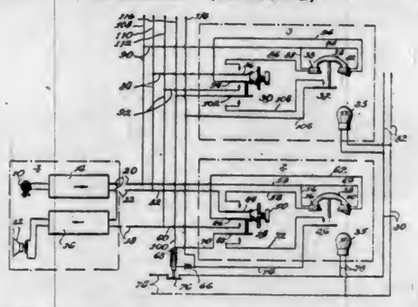
member is mounted, arms of equal lengths continuous with one section of said hub extending radially from opposite sides of said hub, and inverted U-shaped hooks on the free ends of said arms for engagement with the lower ends of said straps.

2,243,691
COMBINATION CRIB AND PLAY PEN
Margaret Bakalar, Fort Wayne, Ind.
Application August 31, 1938, Serial No. 227,619
6 Claims. (Cl. 5—93)



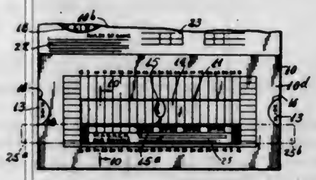
6. A combination child's bed and play pen comprising a bedstead having side and end rails, said bedstead having a member providing a sleeping surface, communicating grooves in the lower and upper portions of the side rails, and a roll-type play pen floor comprising articulated members forming the surface for the support of a child mounted in the grooves and adapted to be moved from one to the other, whereby in operative position said floor is located in said upper grooves and above said sleeping surface, and when in said lower grooves, said floor is located beneath said sleeping surface, said floor being permanently and movably attached to said bed, and means for holding the end articulated members in substantially abutting relation to the said end rails when the device is used as a child's play pen.

2,243,692
COMMUNICATION SYSTEM
Richard H. Campbell, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application March 25, 1940, Serial No. 325,670
6 Claims. (Cl. 179—1)



1. In a communication system, the combination including, a pair of amplifiers each having an input and an output, a station having a loudspeaker connected to the output of a first of said amplifiers, and a microphone connected to the input of the second of said amplifiers, a plurality of substations remote from the first station, receivers and microphones at each of said substations, a pair of interstation circuits leading from said first station to said substations and connected to the input and output of said first and second amplifiers, respectively, and means including normally open switches at each substation for connecting the microphones and receivers thereat to the input of the first amplifier and output of the second amplifier, respectively, through said interstation circuits.

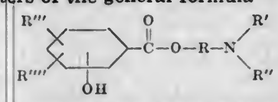
2,243,693
FOOTBALL GAME
Frank A. Caso, New York, N. Y.
Application September 13, 1939, Serial No. 294,614
1 Claim. (Cl. 116—120)



In a football game apparatus, a flat tubular board having an elongated slot formed in one side thereof, a football field representation imprinted along the sides of said slot, a slide slidably engaged into said tubular member, a football element imprinted on said slide in an aligned position with said slot so as to be movable to various positions relative to said football field representation to indicate the position of a football on a field, and a marker drawn to the same scale as said football field representation and shiftable along the length of said slot in a specific relationship to the movement of said football element to record the down and the number of yards that must be gained to get another first down, and means for holding said marker in adjusted fixed positions along the length of said slot, comprising spring clips mounted upon the back face of said marker and engageable over the edge of said slot and slidable therealong.

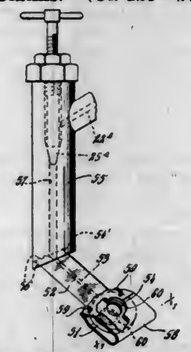
2,243,694
HYDROXY BENZOIC ACID ESTERS
Walter G. Christiansen, Glen Ridge, N. J., and Sidney E. Harris, Coral Gables, Fla., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application November 18, 1938, Serial No. 241,146
9 Claims. (Cl. 260—473)

1. A compound of the group consisting of amino-esters of the general formula



wherein R represents a lower alkylene radical, R', R'' and R''' represent lower alkyl radicals, and R'''' represents a member of the group consisting of hydrogen and lower alkyl radicals; and acid-addition salts thereof.

2,243,695
THERAPEUTIC APPARATUS
Karl Connell, Branch, N. Y., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application November 15, 1938, Serial No. 240,507
2 Claims. (Cl. 128—276)

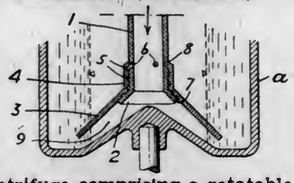


1. Therapeutic apparatus comprising a body-cleansant suction device, a channeled fitting adapted to permit gas-flow therethru and insertable in the gas line between a source of gas under pressure and a gas-administration means, a fibre envelope on said fitting and formed to serve as a washer and to permit desired gas-flow, and means connecting said fitting with said suction device.

2,243,696
PROCESS FOR ELECTRODEPOSITION OF ZINC AND ANODE THEREFOR
Eric W. Ferm, Clarksburg, W. Va., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del., a corporation of Delaware
No Drawing. Application February 1, 1937, Serial No. 123,493
9 Claims. (Cl. 204—55)

1. In a process for the electrodeposition of zinc from a cyanide-zinc plating bath, the step comprising employing a cast zinc anode which has an efficiency substantially corresponding to the cathode efficiency of the bath, the anode efficiency being decreased by the inclusion in the anode of about 0.01 to 1.0 per cent of alloyed magnesium and the zinc-magnesium alloy having been heated prior to casting of the anode to a temperature not substantially lower than about 700° C.

2,243,697
LIQUID SUPPLY MEANS FOR CENTRIFUGAL SEPARATORS
Erik August Forsberg, Nockeby, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application October 4, 1939, Serial No. 297,859
In Sweden November 28, 1938
11 Claims. (Cl. 233—45)



1. A centrifuge comprising a rotatable bowl, a central non-rotatable feed tube and a transmitting device adapted to deliver liquid from the

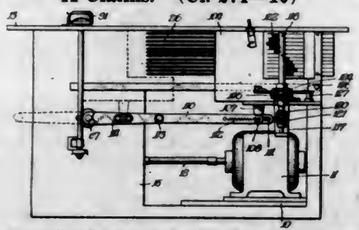
feed tube to the bowl and of such substantially greater diameter than the feed tube as to penetrate the body of liquid being processed in the bowl, said transmitting device being freely rotatable independently of the bowl around the feed tube and adapted, solely under the force of the revolving mass of liquid opposed by the braking action of the liquid being conveyed from the feed tube to the bowl and any friction between the transmitting device and the feed tube, to rotate, during the operation of the bowl when liquid is being supplied thereto, at a rate slower than that of the bowl.

2,243,698

MULTIPLE RECORD PHONOGRAPH

Carl G. Freborg and Charles A. Freborg, Chicago, Ill.; said Charles A. Freborg assignor to said Carl G. Freborg

Application August 26, 1937, Serial No. 161,010
41 Claims. (Cl. 274—10)



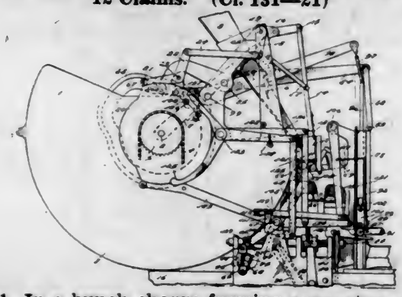
30. A multiple record phonograph comprising a plurality of record holding carriers, horizontal guide means for each individual carrier, a turntable, means for reciprocating the carriers from their position of rest to an operative position over the turntable and return, means for coupling the carriers with said reciprocating means including lugs projecting from the carriers respectively, and resilient clips on the reciprocating means adapted to engage with said lugs, said clips normally lying in a plane where all of said clips engage with their respective carrier lug, means holding the clips out of said plane when the reciprocating means is located adjacent the position of rest of the carriers, a selector for actuating a selected clip to couple its carrier with the reciprocating means, and means for automatically uncoupling the carrier from the reciprocating means upon the return of said carrier and for coupling the next carrier in sequence.

2,243,699

APPARATUS FOR MAKING A BUNCH

Joseph W. Giles and William J. Giles, Philadelphia, Pa., assignors, by mesne assignments, to Jersey Cigar Machines, Inc., Belleville, N. J., a corporation of New Jersey

Application September 13, 1938, Serial No. 229,658
12 Claims. (Cl. 131—21)



1. In a bunch charge forming apparatus, a receiver, means to feed tobacco thereto, serrated feed rollers at the bottom of said receiver, means to intermittently drive said feed rollers to feed small quantities of tobacco in layers one above the other to build up a mass to form the bunch charge, and means to align the pieces of tobacco along the longitudinal axis of the mass as it is built up into bunch charge formation.

2,243,700

MOLDING COMPOSITION AND METHOD OF MAKING

Robert P. Gutterman, Brookline, Mass.

No Drawing. Application July 2, 1938, Serial No. 217,253
17 Claims. (Cl. 106—38)

1. Method of making moldable compositions, comprising the steps of treating leather waste with a water solution of phenol, then separating the leather therefrom, heating the leather waste with an inorganic acid solution until the leather becomes fluid, removing it from the acid solution, heating with an aldehyde, and, upon solidification and drying, pulverizing the mass to powder form.

2,243,701

PROCESS FOR PRODUCING BUTANOL-(1)-ONE-(3)

Paul Halbig and Alfred Treibs, Munich, Germany, assignors to Consortium Fur Elektrochemische Industrie G. m. b. H., Munich, Germany, a corporation of Germany

No Drawing. Application January 24, 1938, Serial No. 186,696. In Germany February 24, 1937
6 Claims. (Cl. 260—597)

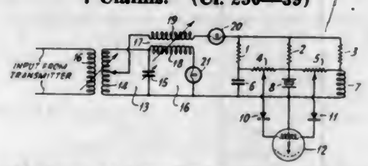
1. Process for producing butanol-(1)-one-(3) which comprises subjecting vinyl acetylene to the action of water in the presence of a hydration catalyst under conditions to form butanol-(1)-one-(3), neutralizing the hydration catalyst when the reaction has proceeded to the desired point so as to prevent further reaction, and removing the butanol-(1)-one-(3) by distillation under conditions to prevent butene-(1)-one-(3) from being driven off.

2,243,702

FREQUENCY MONITOR AND DETECTOR

Clarence W. Hansell, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application May 19, 1939, Serial No. 274,601
7 Claims. (Cl. 250—39)



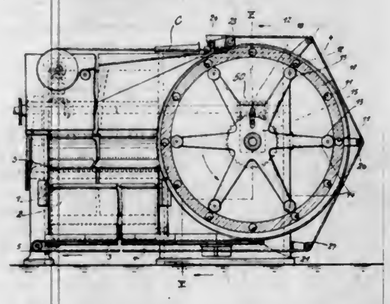
1. A circuit as described including an input for an alternating current wave to be measured, a series circuit comprising a low resistance resonant element and a resistance connected thereto whereby phase of the current through said circuit with respect to an applied voltage varies sharply with variations in frequency, a pair of circuits also connected to said input and being characterized in that currents flowing therethrough differ substantially 90 degrees in phase over a substantial band of frequencies, a pair of detectors each having an input and an output, an input of each of said detectors being coupled to one of said pair of circuits and means for so supplying current to said detectors from the junction between said low resistance resonant element and said resistance that the current in each of said detectors is proportional to the vector difference of the current in its associated circuit and the current in said low resistance resonant element, and means for comparing the currents in said detector outputs.

2,243,703

TOBACCO ROD FORMING MACHINE

Paul Johannes Herrmann, Dresden, Germany, assignor, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands

Application June 7, 1938, Serial No. 212,226
In Germany June 12, 1937
7 Claims. (Cl. 131—84)



1. A device for forming tobacco rods having a conveyor belt, a channel-shaped guide for said belt to whose shape the belt conforms for shaping loose tobacco into rod form, and a rotatable guiding disc with a peripheral groove aligned with said belt and guide to receive the tobacco rod, said belt being entrained in flat condition over a portion of said disc, said channel-shaped guide having its channel converging adjacent said disc to the width of the said groove in the disc, the said channel further decreasing in depth towards the end of said guide adjacent the disc to strike the disc at a tangent, whereby said belt gradually leaves said guide to pass in flat condition onto said disc without interruption.

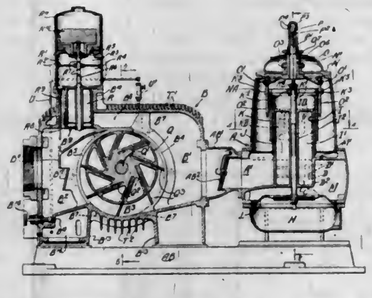
2,243,704

GAS MIXING MACHINE

Frederic O. Hess, Philadelphia, Pa., assignor to The Selas Company, Philadelphia, Pa., a corporation of Pennsylvania

Application October 6, 1937, Serial No. 167,495
10 Claims. (Cl. 48—186)

1. In a gas mixing machine, the combination with a hollow cylinder enclosing two gas compartments and formed with a separate port in its peripheral wall for each compartment, of a sleeve valve surrounding, and movable axially of said cylinder to thereby similarly throttle and unthrottle said ports and movable angularly about the axis of said cylinder to increase and decrease the free flow area through one of said ports relative to that through the other, a casing cooperating with said cylinder to enclose a gas receiving space into which said ports open, a member angularly adjustable about said axis, and cooperating with said valve to prevent angular movement of said valve relative to said member, while permitting axial movement of said valve relative to said member, and pressure responsive means for axially adjusting said member as the volume of flow through said ports



varies, as required to maintain an approximately constant pressure drop through said ports, notwithstanding variations in the volume of flow through said ports.

2,243,705

MANUFACTURE AND TREATMENT OF ARTIFICIAL TEXTILE MATERIALS

Frank Brentnall Hill and Thomas Jackson, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application February 15, 1940, Serial No. 319,076. In Great Britain February 10, 1939
3 Claims. (Cl. 8—131)

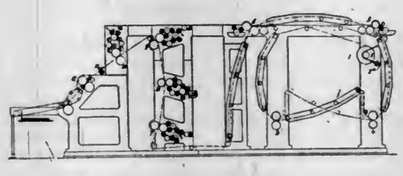
1. Process for improving the properties of textile materials having a basis of an organic derivative of cellulose, which comprises subjecting the materials, in the absence of tension sufficient to stretch them, to the action of a medium comprising a halogenated hydrocarbon as a latent solvent, and an aliphatic polybasic carboxylic acid in a proportion less than 1% of the medium.

2,243,706

METHOD OF PRINTING ON TRANSPARENT FLEXIBLE FOIL MATERIAL

Heinrich Hille, Berlin, Germany, assignor to Transart Aktiebolag, Gothenburg, Sweden, a corporation of Sweden

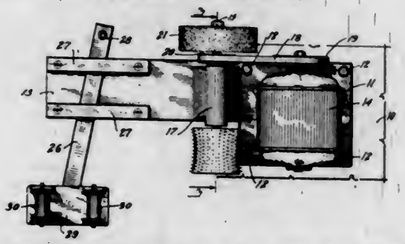
Application July 2, 1938, Serial No. 217,128
In Germany July 5, 1937
9 Claims. (Cl. 101—426)



3. A process for printing on a transparent flexible foil by means of a plurality of printing elements consisting in introducing the web into printing position while keeping the printing elements out of operative engagement with the web, exerting a pull on the web to bring it into a stretched condition and bringing the printing elements into operative engagement with the web and causing them to print upon the web while

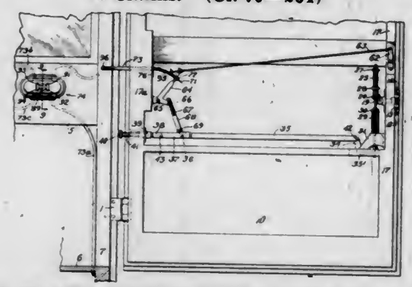
maintaining the latter in said stretched condition, the tension of the web being larger than that at which any substantial additional stretching could occur by the action of the printing elements on the web.

2,243,707
TIRE CASING BUFFER
Harold V. James, Denver, Colo.
Application February 7, 1939, Serial No. 255,042
2 Claims. (Cl. 29—76)



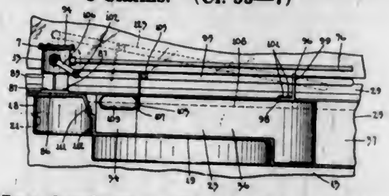
1. Means for supporting a tire casing for tread grinding machines comprising: a flat, horizontal supporting member; a pair of parallel strap members supported above and parallel with the upper surface of said supporting member; an elongated unattached cross arm lying on the latter surface beneath said straps so that it may be moved in any direction in a horizontal plane; means for preventing withdrawal of said cross arm from beneath said straps; and a casing supporting dolly rotatably mounted on the extremity of said cross arm.

2,243,708
LOCK MECHANISM
Richard F. Joyce, Haverhill, Mass.
Application March 15, 1939, Serial No. 261,891
6 Claims. (Cl. 70—264)



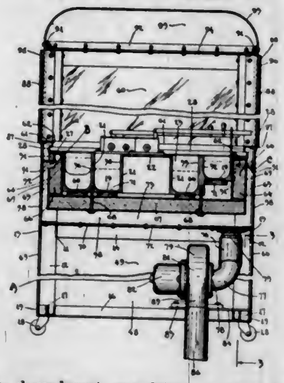
1. In a lock mechanism for a plurality of doors hingedly mounted on a support; a separate lock mechanism for positively securing each door in its closed position, each of said lock mechanisms including a bolt member movably mounted on one of said elements, a device on the other of said elements with which said bolt member interlocks to secure the door in its closed position when said bolt member is moved in one direction, a spring by which said bolt member is automatically moved in said direction to lock the door when the latter is closed, a spring by which said bolt member is moved in the opposite direction to unlock said door and means normally restraining said last-mentioned spring against operating said bolt member to unlock the door, said restraining means being operated by the closing movement of the door to stress said spring; a manually operable control member adjustably mounted upon said support, and means through which said control member when adjusted and actuated is operable to selectively adjust the spring-restraining means of either door to release the unlocking spring thereof thereby to cause the latter to move the bolt member of said door in a direction to unlock the latter.

2,243,709
DOUGHNUT MACHINE
Alexander S. T. Lagaard, Minneapolis, Minn., assignor to Dough-King, Inc., Minneapolis, Minn., a corporation of Minnesota
Application February 1, 1940, Serial No. 316,776
8 Claims. (Cl. 53—7)



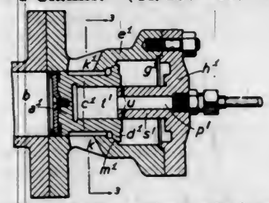
7. In a doughnut machine in which the doughnuts are progressed through the flow of the cooking liquid along a way, an engaging member for engagement with the doughnuts adapted at one position to arrest movement of the doughnuts along said way, means for guiding said engaging member for movement upwardly and out of the way to a position rearwardly of said denoted position and back through the cooking liquid in the direction of travel of the cooking liquid to said denoted position.

2,243,710
DOUGHNUT MACHINE
Alexander S. T. Lagaard, Minneapolis, Minn., assignor to Dough-King, Inc., Minneapolis, Minn., a corporation of Minnesota
Application March 8, 1940, Serial No. 322,921
11 Claims. (Cl. 53—7)



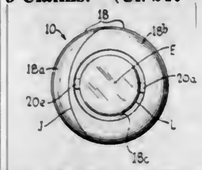
1. In a doughnut machine, a case having lateral walls, a cooking kettle disposed within said case and spaced from certain of said walls to provide an air passageway along the same, said case providing a chamber above the cooking kettle in communication with said passageway along the periphery of the kettle, and means for creating a suction below said kettle to draw the fumes from said chamber downwardly through said passageway and out of the case.

2,243,711
AUTOMATICALLY ACTING RELIEF VALVE
John Lamb, Monkseaton, Northumberland, England
Application March 7, 1939, Serial No. 260,323
In Great Britain March 25, 1938
5 Claims. (Cl. 137—53)



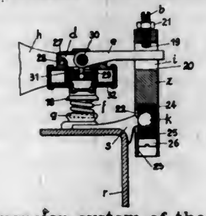
1. An automatically-acting relief valve comprising a casing, a two-part valve housed therein having one operative face of greater area than the other, the smaller operative face of said valve adapted to be exposed to the space continuously charged with working fluid under pressure and wherein excessive pressure is likely to occur, a chamber in said casing beyond the larger operative face of said valve, an aperture through the wall of said chamber for supplying constant pressure fluid to said chamber from a separate source of pressure fluid whereby the pressure fluid in the latter is normally caused to act on said larger operative face to maintain said valve seated against the varying counterpressure on its smaller operative face, relief ports in said valve casing which, while the valve remains seated, are closed by said two-part valve both to the space beyond its smaller operative face and to the chamber beyond its larger operative face but, on said valve being unseated on the counterpressure overcoming the closing pressure, release the pressure fluid acting on both faces of said valve, and means for automatically restoring the closing pressure on the larger face of the valve to reseat the latter immediately said counterpressure has been released.

2,243,712
ELECTRIC LIGHTED ILLUMINATING SPHERE FIXTURE
Joseph Levy, Brooklyn, N. Y., assignor to Century Lighting, Inc., a corporation of New York
Application November 13, 1940, Serial No. 365,404
5 Claims. (Cl. 240—78)



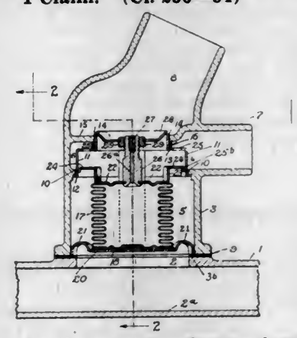
1. In a lighting fixture construction of the character described, an electric light source, a spherical shell casing for housing said light source comprising upper and lower substantially hemispherical parts, said lower part having an opening from which light beams from said source are projected, swivel means interconnecting with said upper part whereby the casing may be rotatably mounted from a relatively rigid support, means for supporting the light source carried by said lower part, interconnecting means within the casing for attaching said lower part through the supporting means with the upper part to movably secure said parts in assembly whereby the lower part with the opening may be positioned with respect to the upper part to selectively direct the projected light beams from said opening in various angular directions, said light source being retained in a relatively fixed position with respect to said opening when directing the light beams in all selective various directions, the plane of the periphery of said parts being located at an oblique angle with respect to the axis passing through said swivel means and rigid support.

2,243,713
MOTOR DRIVEN VEHICLE
Herbert Maruhn, Bad Cannstatt, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany
Application February 20, 1937, Serial No. 126,915
In Germany February 21, 1936
10 Claims. (Cl. 248—7)



4. In a suspension system of the class wherein a member subject to periodic oscillatory vibrations of variable amplitude is pivotally supported on a second member, the combination of a shock absorber on said first member, abutting means on said second member, a lever arm cooperating with said abutting means for actuation of said shock absorber only upon predetermined relatively large movements of said first member, and means intermediate said first and second members for absorbing relatively small vibrations of said first member.

2,243,714
THERMOSTAT
Edward L. Mayo, Cleveland, Ohio, assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 23, 1938, Serial No. 226,296
1 Claim. (Cl. 236—34)



In a by-pass thermostat valve mechanism for controlling the flow of cooling liquid for an internal combustion engine, the combination of a housing comprising a substantially cylindrical skirt, a neck, and an annular shoulder extending radially inwardly from the top of the skirt and connecting the same with the bottom of the neck, the said neck being provided at its outer end with a seat for a valve and the said shoulder

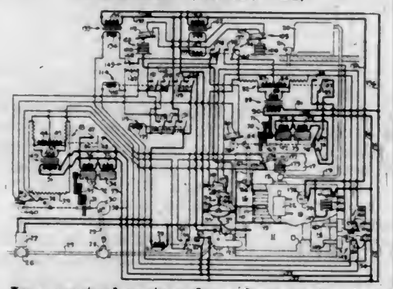
being provided with one or more openings for the passage of cooling liquid through a by-pass connection, a thermostatic bellows, means for supporting the bottom of the said bellows in fixed relation to said housing, a valve carried by the upper end of said bellows adapted to cooperate with the seat formed on the outer end of said neck, and a valve member for each of the openings in the said shoulder, each of the said valve members being movably carried by said bellows and each having an upper surface adapted to engage the portion of the shoulder surrounding the opening with which it cooperates and each of said valve members being provided with a projection adapted to engage the inner surface of the skirt and to make a line contact therewith as its valve member is moved upwardly and downwardly by the bellows.

2,243,715

COMBUSTION CONTROL SYSTEM

Wayland R. Miller, Oconomowoc, Wis., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application July 1, 1937, Serial No. 151,399
8 Claims. (Cl. 236—14)



1. In a control system for a furnace having fuel supplying means and damper means, the combination of, control means for moving the damper means to a wide open position to provide unobstructed draft through the furnace, means associated with the damper means for starting operation of the fuel supplying means and igniting the fuel when the damper means reaches a wide open position, means for maintaining the fuel supplying means in operation even though the damper means is moved away from the wide open position, means for controlling the damper means in accordance with the draft through the furnace, and means responsive to the establishment of combustion in the furnace for placing the damper means under control of the draft responsive control means.

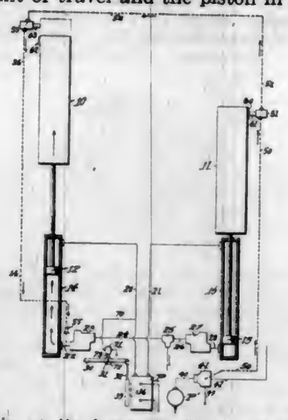
2,243,716

MEANS FOR SYNCHRONIZING HYDRAULIC RAMS

Kenneth C. Monroe, Hudson, Mass., assignor to The La Pointe Machine Tool Company, Hudson, Mass., a corporation of Maine

Application June 20, 1938, Serial No. 214,755
5 Claims. (Cl. 60—52)

4. In a duplex hydraulic machine tool having two main cylinders cross-connected together at one end of each, a pump selectively operable to supply oil under pressure to the other end of one or the other of said cylinders, and slides connected to pistons in said cylinders and thereby movable simultaneously but oppositely vertically, in combination, separate means to supply make-up oil under constant pressure to one of said cross-connected cylinders, automatic means to prevent such make-up oil entering said cylinder unless the piston in said cylinder is below its upper limit of travel and the piston in the other



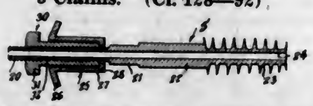
cylinder is at its lower limit of travel, and a relief valve in the cross-connection which is set to open only at a pressure in excess of the pressure of said make-up oil.

2,243,717

SURGICAL DEVICE

Francisco Elias de Godoy Moreira, Sao Paulo, Brazil

Application November 2, 1938, Serial No. 238,404
In Brazil September 20, 1938
3 Claims. (Cl. 128—92)



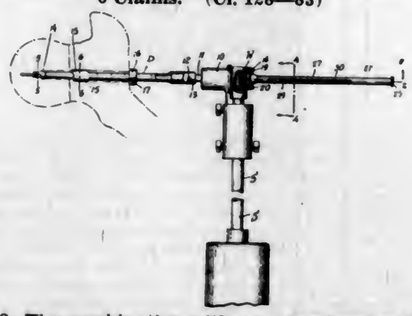
1. The combination with a bone-screw of a clamp and nut, said clamp having a flange formed thereon, said nut having a depending shank adapted to bear against the flange of said clamp.

2,243,718

SURGICAL DRILL

Francisco Elias de Godoy Moreira, Sao Paulo, Brazil

Application November 5, 1938, Serial No. 239,046
6 Claims. (Cl. 128—83)



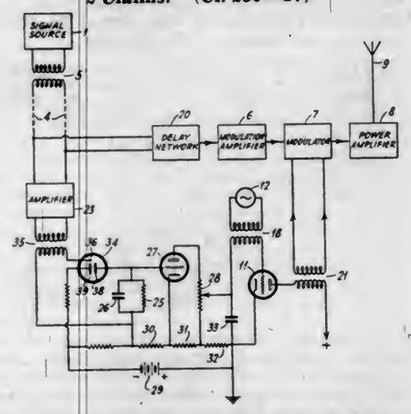
2. The combination with a guide wire of a drill attachment for a motor comprising an elbow shaped housing, having power transmission mechanism in one arm thereof, driven mechanism within the other arm thereof, a drill operatively connected to said driven mechanism, a tubular member secured to said other arm of said housing, spring means within said tubular member, said drill, driven mechanism, other arm and tubular member being formed with an axial bore for the reception of said guide wire therethrough, said guide wire bearing against said spring means against the action of said spring, means, whereby said guide wire is inwardly urged by said spring means.

2,243,719

SIGNALING SYSTEM

Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application September 13, 1938, Serial No. 229,644
2 Claims. (Cl. 250—17)



1. In a radio transmitter a source of carrier energy, a source of signal energy, means for modulating said carrier by said signal, a delay network having its input connected to said source of signal energy and its output to said modulator, and means interposed between said source of carrier energy and said modulator for controlling the amplitude of said carrier, including a thermionic discharge tube having at least a plate and a grid, said grid being connected to said carrier source and said plate coupled to said modulator, means for normally applying a bias to said grid of such value that only a portion of said carrier energy is applied to said modulator, a thermionic discharge tube having a plate circuit connected across a portion of said biasing means and a grid circuit, a gas discharge tube having an input circuit and an output circuit connected thereto, said input circuit being connected to the input circuit of said delay network and said output circuit being so connected to the grid circuit of said second discharge tube that when said input circuit is energized the bias on the grid of said first named discharge tube is decreased whereby carrier energy of increased amplitude is applied to said modulator.

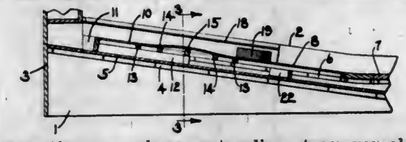
2,243,720

CONVEX PUTTING SURFACE

Fred W. Preece, Toledo, Ohio, assignor to Tri-Putt Company, Toledo, Ohio, a corporation of Delaware

Application April 12, 1940, Serial No. 329,309
2 Claims. (Cl. 273—35)

1. A putting game structure comprising, an inclined frame having side members along the length thereof, lower inclined cleats secured to the inner sides of said side members, a bottom member secured to and supported by said cleats, upper inclined cleats secured to the inner sides of said side members spaced from and substantially parallel to said lower cleats, elongated supporting elements secured to the upper sides of the upper cleats, a plurality of spaced apart



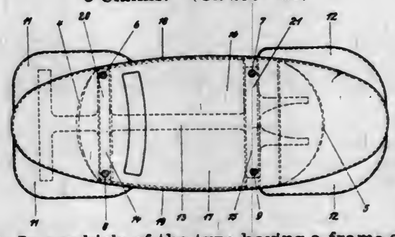
supporting members extending transversely of said frame and secured at their ends to said elongated supporting elements, some of said transverse members having curved upper sides and being of greater height in the center than on the ends thereof, and a covering therefor supported at its longitudinal side edges on said elongated supporting elements following the contour of said transverse supporting elements, to thereby provide a convex putting surface.

2,243,721

VEHICLE BODY

Karl Rabe, Stuttgart, Germany, assignor to Dr. ing. h. c. F. Porsche, K.-G., Stuttgart-Zuffenhausen, Germany, a company of Germany

Application November 4, 1937, Serial No. 172,750
In Germany November 9, 1936
8 Claims. (Cl. 296—28)



1. In a vehicle of the type having a frame consisting of at least one longitudinal beam connected with a plurality of transverse beams, and floor plates affixed to and forming a unit with said frame, the combination of a self-supporting vehicle body open at its bottom, and means for readily releasably connecting said body to at least two of said transverse frame members, said means forming the sole interconnection between said body and said frame.

2,243,722

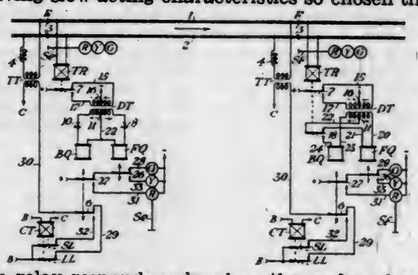
RAILWAY TRAFFIC CONTROLLING APPARATUS

Crawford E. Staples, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application June 22, 1938, Serial No. 215,203
30 Claims. (Cl. 246—34)

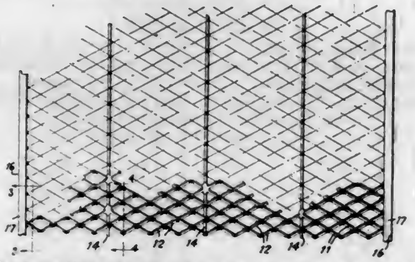
1. In a railway signalling system, the combination of a source of coded energy, a decoding transformer provided with a direct current input circuit, means including a code following contact for completing said circuit in step with the pulses of said coded energy, an output circuit for said transformer, a half wave rectifier forming a part of said output circuit, and a decoding relay provided with a winding connected to receive rec-

tified current from said output circuit, said relay having slow acting characteristics so chosen that



the relay responds only when the cycles of said coded energy have "on" and "off" periods of predeterminedly related lengths.

2,243,723
WALKWAY
John R. Tench, Tarrytown, N. Y., assignor to Structural Patents Corporation, New York, N. Y., a corporation of New Jersey
Application December 30, 1939, Serial No. 311,811
7 Claims. (Cl. 105—457)

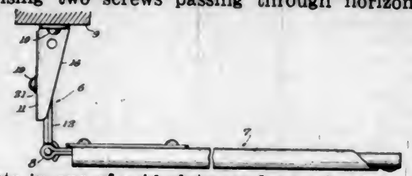


1. A walkway comprising a reticulated tread of expanded metal lath and bearing members including flat metal bars set on edge and electrically welded to the under side of said tread intermediate the side edges thereof.

6. A walkway comprising a reticulated tread of expanded metal lath embodying angular mesh portions, a part of certain walls of certain mesh portions being vertical and others inclined to the vertical, and metallic members spaced from each other and extending downwardly from said tread and providing stiffening members therefor, said members each presenting a horizontal upper edge portion electrically welded to the underside of a plurality of said vertical walls of the meshes of the tread intermediate the side edges of the tread and forming an integral structure therewith.

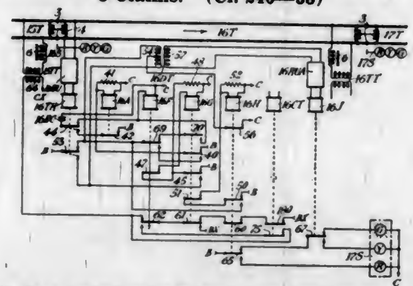
2,243,724
DRAPERY FIXTURE
Oscar N. Whitehead, Wallingford, and Emerick B. Crawford, Hamden, Conn., assignors to H. L. Judd Company, Inc., New York, N. Y., a corporation of Delaware
Application August 2, 1940, Serial No. 349,454
3 Claims. (Cl. 248—265)

2. A fixture for a drapery support comprising a drapery supporting arm, a hinge plate pivoted to the rear end thereof, a bracket adapted to be secured to a supporting wall and having an outwardly extending supporting plate, said two plates overlapping each other, one of said plates having a raised fulcrum for longitudinally engaging the other plate, and adjusting means for rocking said hinge plate on said fulcrum comprising two screws passing through horizontal



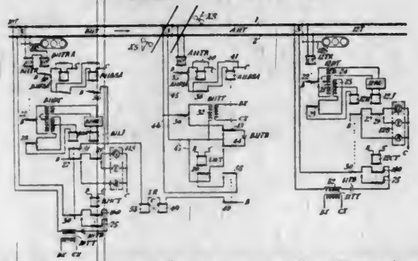
slots in one of said plates and screwing into the other plate above and below said fulcrum.

2,243,725
RAILWAY SIGNALING SYSTEM
Leslie R. Allison, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 21, 1940. Serial No. 320,146
3 Claims. (Cl. 246—38)



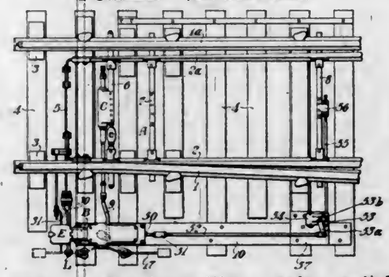
1. In a coded railway signaling system, in combination, a stretch of railway track having a pair of track rails divided by insulated joints into successive track sections including a forward and a rearward section, means governed by traffic conditions in advance of the forward section for at times supplying periodically interrupted energy and at other times supplying steady energy to the rails of said forward section, a code following track relay having a winding receiving energy from the rails of said forward section, a first, a second and a third auxiliary relay and an energy storage device associated with said track relay, a circuit including a front contact of the track relay for supplying energy to the winding of the first auxiliary relay, a circuit including a front contact of the first auxiliary relay and a back contact of the track relay for supplying current to the energy storage device, a circuit including a front contact of the track relay for supplying current from the energy storage device to a winding of the second auxiliary relay, a circuit including front contacts of the track relay and of the second auxiliary relay and a back contact of the third auxiliary relay for also supplying energy to a winding of the second auxiliary relay, a circuit including a back contact of the track relay and a front contact of the second auxiliary relay for supplying energy to the winding of the third auxiliary relay, a circuit operative when the contacts of both the second and the third auxiliary relays are released to supply periodically interrupted energy to the rails of said rearward section, a circuit including a front contact of the second auxiliary relay and a back contact of the third auxiliary relay for supplying steady energy to the rails of said rearward section, and a circuit established on continued code following operation of said track relay subsequent to establishment of said steady energy supply circuit to supply periodically interrupted energy to the rails of said rearward section.

2,243,726
RAILWAY SIGNALING SYSTEM
George W. Baughman, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application March 8, 1940. Serial No. 322,974
11 Claims. (Cl. 246—130)



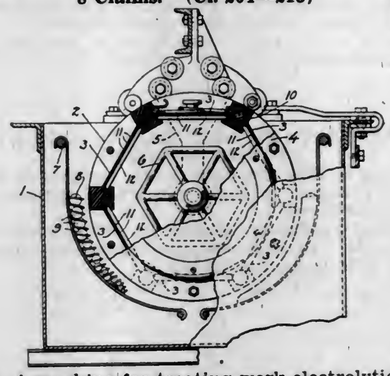
10. In combination, a stretch of railway track intersected by a highway and comprising a signal approach section and a signal clearing section, a crossing signal for the intersection, means effective when said clearing section is unoccupied to supply to the rails of the approach section train governing code comprising impulses of unidirectional current of one relative polarity, means responsive to entrance of a train into said clearing section for interrupting the supply of train governing code to the rails of said approach section and for supplying thereto detection code comprising impulses of unidirectional current of the other relative polarity, and electroresponsive means receiving energy from the rails of said approach section and responsive to the supply of coded energy of either relative polarity to maintain the cross signal inactive, whereby said signal is inactive when the approach and clearing sections are unoccupied and is rendered active on entrance of a train into the approach section and is again rendered inactive when the train advances into the clearing section and vacates the approach section.

2,243,727
RAILWAY SWITCH OPERATING APPARATUS
Herbert L. Bone, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 22, 1939, Serial No. 280,600
4 Claims. (Cl. 246—319)



4. The combination with a spring switch, a locking plunger biased to a locking position and cooperating when in its locking position with means for locking the switch in its normal position, and means actuated by a train trailing said switch when it occupies its normal position for moving said locking plunger to its unlocking position, of a locking dog movable between a locking and an unlocking position and cooperating in its locking position with said locking plunger to prevent more than an initial movement of said locking plunger toward its unlocking position, an electromagnet, and means controlled in part by said electromagnet and effective if and only if said electromagnet is energized for moving said locking dog to its unlocking position in response to an initial movement of said locking plunger toward its unlocking position to permit movement of said locking plunger to its full unlocking position by said train actuated means.

2,243,728
MACHINE FOR TREATING WORK OR ARTICLES ELECTROLYTICALLY
John Virden Davis, Detroit, Mich., assignor, by mesne assignments, to The Udylite Corporation, a corporation of Delaware
Application November 20, 1937, Serial No. 175,554
8 Claims. (Cl. 204—213)

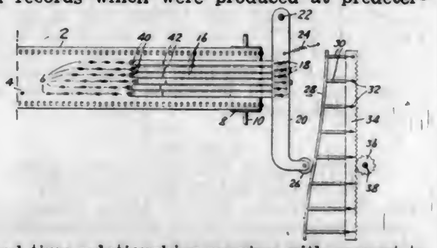


1. A machine for treating work electrolytically comprising an anode, a cathode, a container for the electrolyte and a container for the work or articles to be treated by electrolysis adapted to hold the work in the electrolyte during such treatment, said work container being placed between the anode and cathode and having a wall composed of insulation material with a plurality of spaced grooves formed in its inner face and a plurality of spaced grooves formed in its outer face, the grooves in the one face extending angularly in respect to and across the grooves in the other face, the grooves in the one face intersecting the grooves in the other face within the wall to form a plurality of spaced perforations adapted for the passage of current during the electrolytic treatment, each perforation consisting of grooves extending inwardly of the opposite faces of said wall and intersecting within the wall throughout an area smaller than the area of at least one of said grooves at the surface of said wall.

2,243,729
METHOD FOR ANALYSIS OF SEISMOGRAPHIC RECORDS
Lacoste G. Ellis, Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application August 20, 1938, Serial No. 225,858
2 Claims. (Cl. 181—0.5)

1. The method of seismographic survey comprising creating at a localized source a disturbance in the earth, producing simultaneous variable amplitude records with respect to time, side by side on a strip member, of the vibrations resulting from said disturbance at a plurality of points differently located relative to said source in such fashion that portions of the records

aligned transversely of the strip are simultaneously formed, and producing a record showing variations with respect to time of the algebraic sum of the instantaneous amplitude values of said records which were produced at predeter-



mined time relationships varying with respect to the time of their production after the occurrence of the disturbance at the source, said composite record being formed by variably scanning portions of the records not aligned in the fashion of simultaneously formed portions of the records.

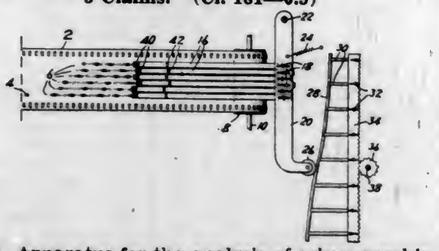
2,243,730

APPARATUS FOR ANALYSIS OF SEISMOGRAPHIC RECORDS

Lacoste G. Ellis, Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

Original application August 20, 1938, Serial No. 225,858. Divided and this application August 18, 1939, Serial No. 290,809

5 Claims. (Cl. 181—0.5)



1. Apparatus for the analysis of seismographic time records of the vibrations resulting at different points from a source of disturbance in the earth, comprising scanning means for each record responsive to its variations, means for providing relative movement between said scanning means and records to effect simultaneous scanning thereof, means for algebraically summing during the scanning the responses of the scanning means for the various records, means for varying during the scanning the relationships of the scanning means to the records to effect simultaneous scanning of values of said records which were produced not simultaneously but in predetermined time relationships varying with respect to the time of their production after the occurrence of the disturbance at the source, and means for recording the results of the summing means.

2,243,731

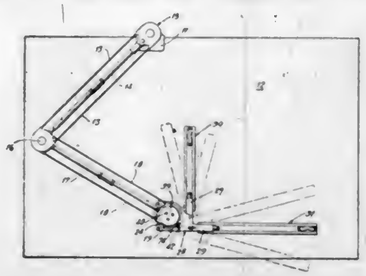
DRAFTING MACHINE INDEXING MEANS

Floyd G. Eubanks, Pasadena, Calif., assignor of forty-seven and one-half per cent to Francis E. Vaughan, Pasadena, Calif., and five per cent to Robert M. McManigal, Compton, Calif.

Application December 6, 1939, Serial No. 307,816

18 Claims. (Cl. 33—79)

1. The combination of a member movable over a flat surface while its orientation with respect to said flat surface is maintained through mechanical linkage to said flat surface, a second member attached to the first member and rotatable with respect to said first member, holding means operating between said two members for



holding said members in any one of a plurality of prescribed angular relationships to each other, said holding means being releasable by forcibly rotating the second member, and locking means acting directly on said holding means for preventing the release of said holding means.

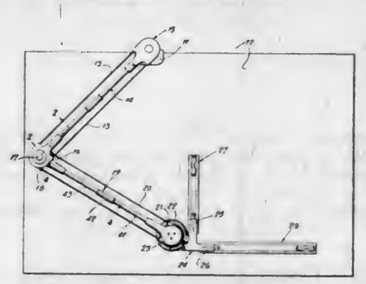
2,243,732

DRAFTING MACHINE BAND TIGHTENING DEVICE

Floyd G. Eubanks, Pasadena, Calif., assignor of forty-seven and one-half per cent to Francis E. Vaughan, Pasadena, Calif., and five per cent to Robert M. McManigal, Compton, Calif.

Application November 22, 1940, Serial No. 366,664

5 Claims. (Cl. 33—79)



1. In a drafting machine of the band and pulley type, an arm comprising a tubular part and an adjustable part, a head at one end of said arm, said head having a socket which is adapted to receive the adjustable end of said arm, a second head carried at the other end of said arm, a pulley rotatably mounted on the first-mentioned head, a second pulley rotatably mounted on the second-mentioned head, a flexible band extending around said two pulleys, the adjustable part of said arm threadedly engaging the end of said tubular part within the socket of the first-mentioned head, said adjustable part having a recess on its periphery outside of said tubular part, a thrust bearing between said adjustable part and the socket containing it, and an opening through the wall of said socket which is adapted to admit a pin to said recess in said adjustable part for preventing the rotation of said adjustable part of said arm with respect to said tubular part of said arm.

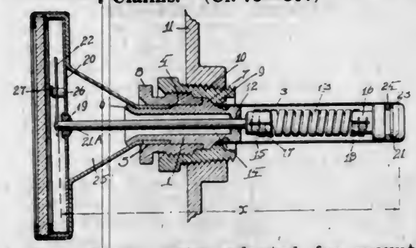
2,243,733

THERMOMETER CONSTRUCTION

George E. Ford, Rochester, N. Y., assignor to Rochester Manufacturing Company, Rochester, N. Y., a corporation of New York

Application December 12, 1938, Serial No. 245,158

7 Claims. (Cl. 73—367)



4. In a thermometer adapted for mounting in a threaded opening of a wall having an annular seat in said opening, the combination of a sheet metal case, a spacing chamber of reduced diameter at the rear of said case, a sleeve telescopingly engaging said spacing chamber and having a reduced opening forming a bearing spaced from said spacing chamber, an annular seat surrounding said sleeve, a bushing rotatable on said sleeve between said annular seat of said sleeve and said spacing chamber for threaded engagement into the opening of said wall and rotative adjustment of the annular seat of said sleeve against the annular sleeve in said wall, a tubular member closed at its outer end forming a continuation of said sleeve, a thermo-responsive member anchored in said tubular member, an indicator stem journaled in said bearing of said sleeve and connected to said thermo-responsive member, and an indicator carried by said indicator stem and held for movement in said case.

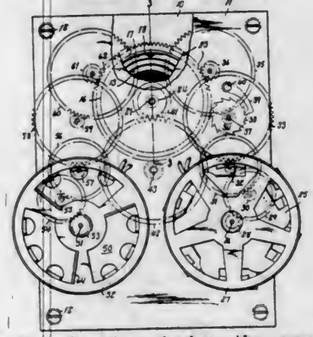
2,243,734

MAINTAINED POWER SYNCHRONOUS ELECTRIC CLOCK AND OTHER TIMING DEVICES

Charles H. Granger, Waterbury, Conn., assignor to Waterbury Clock Company, Waterbury, Conn., a corporation

Application July 30, 1930, Serial No. 471,654

1 Claim. (Cl. 58—26)



In a time-keeping device, the combination of an energy-storing motor, a synchronous electric brake, gearing connecting said motor with said brake, an electric induction motor, gearing connecting said induction motor and said energy-storing motor, and mechanical speed-governing means connected to said synchronous brake to rotate continuously therewith, said last-named means being effective to perform its function only when said synchronous brake is ineffective.

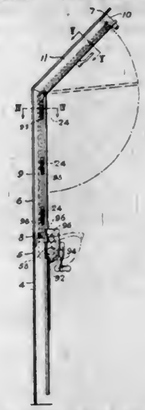
2,243,735

WINDOW

David R. Leahy, Schenectady, N. Y., assignor to American Locomotive Company, New York, N. Y., a corporation of New York

Application February 24, 1940, Serial No. 320,577

1 Claim. (Cl. 114—173)



A window for a ship deck bulkhead and roof, each having an opening providing respectively for outward horizontal and vertical skyward vision, said openings being adjacent and in alignment, said window comprising a fixed lower frame for said bulkhead opening extending downwardly therebelow at the inboard side of said bulkhead; a lower sash slidably engaged by said frame, in closed position when raised adjacent said bulkhead opening, and in open position when lowered opposite said bulkhead; a fixed upper frame for said roof opening having its bottom adjacent the top of said lower frame and extending in an inboard direction therefrom; an upper sash hinged at its lower edge to the top edge of said lower sash, swingable about said hinge in an inboard direction to a position abreast of said lower sash whereby both said sashes will be opposite said bulkhead below said lower opening when said lower sash is in lowered window-open position, providing a clear view through said openings horizontally and skyward, said upper sash being swingable against said upper frame to closed position when said lower sash is in its said closed position; and releasable means for holding said sashes closed.

2,243,736

PROCESS OF PRODUCING ARTIFICIAL LEATHER

Fritz Löblein, Eilenburg, Germany, assignor to Deutsche Celluloid-Fabrik Aktiengesellschaft, Eilenburg, Germany

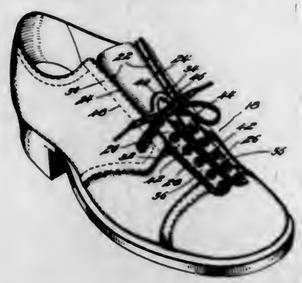
No Drawing. Application May 24, 1938, Serial No. 209,723. In Germany June 3, 1937

1 Claim. (Cl. 154—2)

Process of producing artificial leather from vinyl polymerides having a durable multi-colored grain, which process comprises applying at least two differently colored elastic foils from vinyl-polymers in superimposition to a support, heating and pressing said foils onto said support to cause said foils to adhere to said support, and calender-

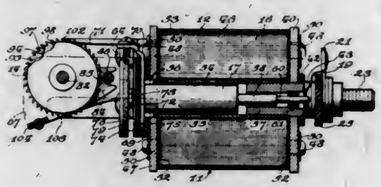
ing the article thus produced to shift away and crumple up parts of the top layer so that the lower layer is exposed in places and the color of the lower layer visible in the depressions.

2,243,737
SHOE
Edward Gioseph Marinetti, Riverside, R. I., assignor of one-half to Arnold W. Jones and Company, Inc., Providence, R. I., a corporation of Rhode Island
Application December 2, 1939, Serial No. 307,286
2 Claims. (Cl. 36—50)



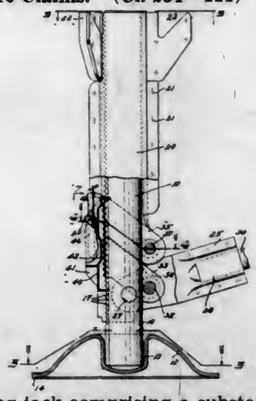
1. A shoe comprising, shoe upper wings each having an outer layer and a runway attached to the underneath surface of each wing adjacent the edge thereof, and a slidable closure member having an outer layer and runners on each edge thereof slidable in said runways, with the edges of the outer layers of said wings and slidable closure member substantially abutting each other and having substantially flush outer surfaces whereby the runners and runways are concealed underneath the abutting flush surfaces of said outer layers.

2,243,738
ODOMETER
Irwin E. Mather, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application February 23, 1937, Serial No. 126,962
5 Claims. (Cl. 74—160)



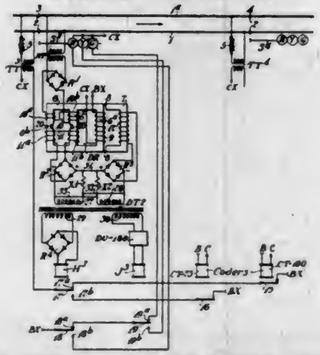
1. In a pawl and ratchet mechanism, the combination including a multiple section ratchet wheel comprising a toothed section and a section having an outside diameter greater than the root diameter of said toothed section and smooth peripheral surface, a pawl constructed of resilient material having a portion adapted to engage said teeth to impart movement to said wheel and another portion adapted to engage said smooth portion to define the point of engagement between the pawl and teeth, and a resilient member adapted to bear against said smooth peripheral surface to prevent rotation of the wheel except when moved in a predetermined direction by said pawl.

2,243,739
VEHICLE JACK
Alexander Oberhoffken, Southfield Township, Oakland County, Mich., assignor to The American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan
Application January 2, 1940, Serial No. 311,972
10 Claims. (Cl. 254—111)



3. A lifting jack comprising a substantially tubular sheet metal standard of non-concentric cross section, a lifting cage slidably fitted on said standard and having a portion interfitted with and guided by a non-concentric portion of the standard, whereby the cage is keyed against rotation with respect to the standard, lifting means including a lever articulated to the cage, a portion operable by the lever and interengageable with the standard to lift the cage step-by-step along the standard, and clutch means for preventing unwanted downward movement of the cage with respect to the standard.

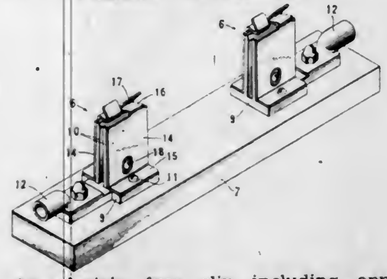
2,243,740
RAILWAY TRAFFIC CONTROLLING APPARATUS
Bernard E. O'Hagan, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application June 10, 1938, Serial No. 213,016. Divided and this application August 24, 1940, Serial No. 354,080
4 Claims. (Cl. 246—34)



1. In combination, a transformer comprising two primary windings and a secondary winding inductivly coupled together, means including two rectifiers each connected with a different one of said primary windings in series with a different

resistor for alternately supplying to said primary windings pulses of direct current which flow in opposite directions therein to induce in said secondary winding an alternating current having a frequency which depends upon the frequency of said pulses, means for impressing across each resistor a voltage which opposes that due to the associated rectifier to provide a sharp cut-off in the currents supplied to said primary windings, and electroresponsive means controlled in accordance with the frequency of the current induced in said secondary winding.

2,243,741
ELECTRIC TERMINAL CLIP
Raymond N. Rowe, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application April 1, 1939, Serial No. 265,427
9 Claims. (Cl. 200—134)



1. An electric fuse clip including opposed spaced spring plates, one end of each plate having a hook-like portion bent over and across to a point beyond the center of the space therebetween, said bent over portions being laterally offset relative to each other but in alignment forming abutments to lock the fuse blade in position against accidental removal.

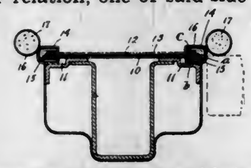
2,243,742
COMPLEMENTARY SUPPORTING OR ATTACHING MEANS FOR ORNAMENTS
David Silverstein, New York, N. Y.
Application July 14, 1939, Serial No. 284,518
2 Claims. (Cl. 41—34)



1. In combination an ornament, a pin pivotally connected at one of its ends to said ornament, a substantially tubular member removably receiving said pin through the tubular portion thereof, the other end of said pin projecting from said tubular portion, and means on said ornament and engageable with the projecting end of said pin for preventing unintentional withdrawal of said ornament from said member, said member having means for attachment thereof to an article of wearing apparel.

2,243,743
PANEL TRIM RETAINER
David C. Bailey, Amesbury, Mass.
Application November 9, 1939, Serial No. 303,650
6 Claims. (Cl. 296—44)

1. In combination with a body member having a panel and having a slot at the edge of the panel, a panel trim fitted to the surface of said panel, and a retaining strip having a sheet metal core bent transversely in angular form to provide two longitudinal side portions rigidly held in angular relation, one of said side portions be-

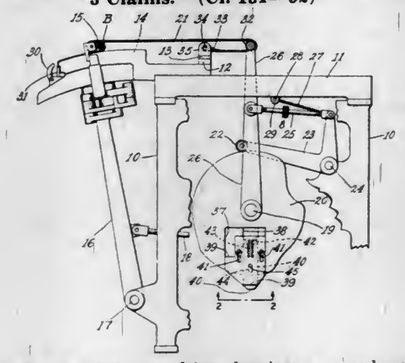


ing transversely corrugated and being forced into and tightly fitted in said slot and held therein by frictional engagement, and the other side portion extending onto the edge portion of the panel trim and being forced thereagainst, so as to clamp the latter against the panel.

2,243,744
HEATING AND ROLLING STEEL
Arthur B. Bixby, Cleveland Heights, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
No Drawing. Application April 28, 1939, Serial No. 270,649
4 Claims. (Cl. 80—60)

1. The process of rolling steel which includes the steps of heating a slab of steel to rolling temperature in a slab heating furnace, protecting a surface of said slab of steel against oxidation and scaling throughout said heating operation by covering it with a substance which is a non-volatile liquid at the furnace temperature, removing said substance from the steel when the heating operation is completed, and rolling the steel.

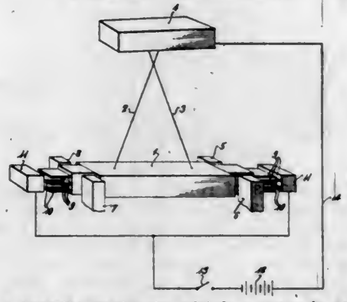
2,243,745
APRON MECHANISM FOR CIGAR MACHINES
Sigurd Clausen, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application April 13, 1938, Serial No. 201,667
3 Claims. (Cl. 131—52)



1. In a cigar machine having a mechanism for rolling bunches including a rolling table and a rolling apron, tensioning means for controlling the tension of said apron, said tensioning means comprising an element engaging the apron and having a throw sufficient to tension the same, a cam follower actuating said element, a link adjustably connected to said element and follower to vary the extent of the forward throw of said element to permit rolling of bunches of various

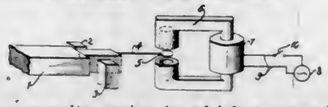
diameters and a rotary cam actuating said cam follower, said rotary cam having an adjustable cam piece for varying the movement of said cam follower to vary the extent of the rearward throw of said element to compensate for adjustments of the forward throw, and said cam piece having a yieldable portion arranged to engage said follower and move said element to the limit of its rearward throw for tensioning said apron and for yielding to abnormal tensions on the apron.

2,243,746
GRAVITY METER
Dayton H. Clewell, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application February 21, 1940, Serial No. 320,052
1 Claim. (Cl. 265—1.4)



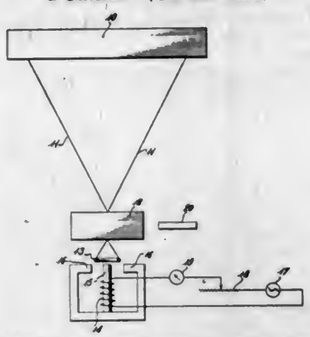
In a gravity meter in which a mass is resiliently suspended from a support during the measuring process and clamped into position between measurements, the improvement that comprises means to stop any oscillation of the mass caused by its release from the clamps or by other disturbances, including a plurality of parallel electro-conductive plates fixed to the mass, a plurality of stationary electro-conductive plates positioned in parallel relationship to and intermeshing with said first series of plates when the mass is in its normal or base position, means to impress an electrical potential difference upon said members and means to connect and disconnect said potential difference whereby the conductive members will attract one toward the other during the application of the potential difference and tend to fix the position of the mass.

2,243,747
GRAVITY METER
Dayton H. Clewell, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application February 21, 1940, Serial No. 320,053
4 Claims. (Cl. 265—1.4)



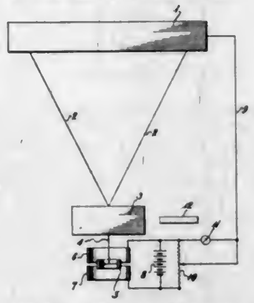
1. In a gravity meter in which a mass is resiliently suspended from a support during the measuring process, the improvement that comprises means to stop any oscillation of the mass, including a non-magnetic electro-conductive element fixed to the mass and means to create an alternating magnetic field of such a pattern around said element so that the force of reaction between the alternating magnetic field and the eddy currents in the conductive element produced by the alternating magnetic field will cause the conductive element and therefore the mass to assume a predetermined stable position relative to the pattern of said magnetic field.

2,243,748
GRAVITY METER
Dayton H. Clewell, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application February 21, 1940, Serial No. 320,055
1 Claim. (Cl. 265—1.4)



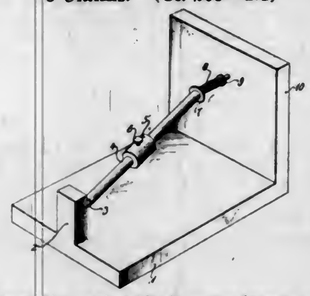
1. A device for geophysical prospecting that comprises a support, a mass resiliently suspended from said support, means for noting the relative positions of the mass and support, and a non-magnetic electro-conductive member fixed to said mass, means to generate an alternating magnetic field including said conducting member, and means to measure the strength of said field.

2,243,749
GRAVITY METER
Dayton H. Clewell, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application February 21, 1940, Serial No. 320,056
3 Claims. (Cl. 265—1.4)



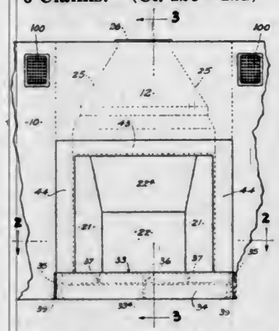
1. An apparatus for geophysical prospecting that comprises a support, a mass resiliently suspended from said support, means to note the relative positions of said mass and support, a conductive member fixed to said mass, stationary conductive members on opposite sides of said first-mentioned conductive member, means for applying a potential between said stationary conductive members and means for varying the potential between said first-mentioned conductive member and the two stationary conductive members, whereby an electrostatic force is exerted on said first-mentioned conductive member and through it upon said mass.

2,243,750
GRAVITY METER
Dayton H. Clewell, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application March 6, 1940, Serial No. 322,495
5 Claims. (Cl. 265—1.4)



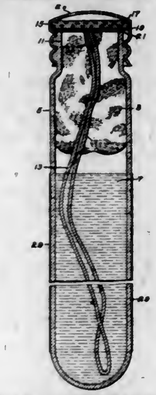
1. A gravity meter that comprises a mass supported jointly by a leaf spring directed upwardly at an acute angle to the horizontal and a coil spring at an obtuse angle to the leaf spring said springs exerting thrust toward the mass supported therebetween, the leaf spring forming a fulcrum about which the mass moves and the coil spring being positioned so as to obliquely oppose any downward movement of the mass and thus relieve the leaf spring of at least a part of the bending stress the mass would otherwise impart to it.

2,243,751
FIREPLACE CONSTRUCTION
George W. Donley, Cleveland, Ohio, assignor to The Donley Brothers Company, Cleveland, Ohio, a corporation of Ohio
Application March 9, 1940, Serial No. 323,190
6 Claims. (Cl. 126—121)



1. In a metal fireplace, the combination of an external housing having front, rear and side walls, a fire chamber set within the front and side walls of the housing and having a bottom wall, and rear and side walls spaced from the rear and side housing walls, the rear and side walls of the housing extending below the bottom wall of the fire chamber, the said housing having a wall located below the bottom of the fire chamber and extending to the rear and side walls of the housing and forming the bottom wall of a duct the top whereof is constituted by the bottom wall of the fire chamber, and a forehearth in front of the said fireplace, the said forehearth comprising a casing having an upper wall, said casing being adapted and arranged to deliver air from beneath said upper wall into the front of the said duct, the said forehearth being provided with a partition wall extending transversely thereof and the duct between the bottom of the fire chamber and the housing wall therebeneath being provided with a partition wall registering with the first mentioned partition wall and constituting a rearward extension thereof, the last mentioned partition wall extending in proximity to the rear wall of the housing, the said forehearth being provided with openings for admitting air thereinto beneath the top thereof and on opposite sides of the partition therein and thence to the front of said duct and on opposite sides of the partition therein.

2,243,752
LIQUID VAPORIZING AND DIFFUSING DEVICE
Sanford J. Dunaway, Dover, N. H., assignor to The Expello Corporation, Dover, N. H., a corporation of New Hampshire
Application June 15, 1940, Serial No. 340,802
1 Claim. (Cl. 299—20)

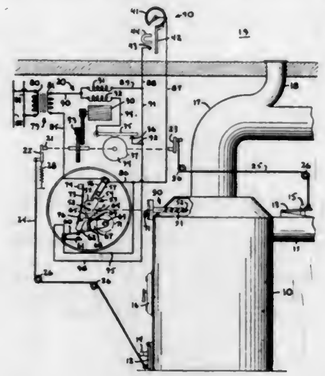


A device of the class described comprising a vessel having a mouth, a porous pad filling the top of the vessel at the mouth and having associated therewith a feeding extension extending toward the bottom of the vessel, the vessel having an annular shoulder surrounding its mouth and exterior cap-locking means adjacent the same, a sealing disk over said mouth and resting on the shoulder, and a readily removable and replaceable cap cooperating with the cap-locking means having a portion opposing said shoulder to press the disk thereto and being perforate in the area opposing the mouth to permit vaporization from the pad through the cap when the disk is removed.

2,243,753
FURNACE DAMPER CONTROL SYSTEM
Willis H. Gille, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 15, 1937, Serial No. 164,006
8 Claims. (Cl. 236—9)

1. In combination, a furnace, damper means

therefor movable between draft producing and draft retarding positions, motor means for operating said damper means, a main control means including a device responsive to a condition indicative of the demand for heat controlling said motor means, limit control means including a device responsive to a desired limiting condition also controlling said motor means and operative to cause said motor means to move said damper means to draft retarding position whenever said limiting condition assumes a first predetermined value, manually controlled means directly associated with said previously named means and movable between a normal first position in which



both said main control means and said limit control means are in control and a second position, connections between said manually controlled means and said motor means operative upon said manually controlled means being moved to said second position to cause said motor means to move said damper means to a fire increasing position, and connections between said device responsive to the limiting condition and said manually operative means operative independently of said motor means upon said limiting condition assuming a second lower predetermined value to cause said manually operative means to move to said first position.

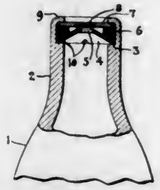
2,243,754

CAPSULE OR CONTAINER FOR HIGHLY COMPRESSED FLUID MEDIA

John A. Honegger, Bloomfield, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey

Application May 14, 1938, Serial No. 207,875

1 Claim. (Cl. 220—46)



In a container for holding a highly compressed fluid medium having a pliable neck forming an inwardly projecting shoulder, sealing means having a central opening disposed in said neck and exposed to the pressure of the fluid medium in the container, imperforate closure means for said container supported by said sealing means and adapted to interlock with a portion of the neck, and means supported by said shoulder adapted to support said sealing means, the upper surface of said last named means sloping downwardly from the center to the outer periphery thereof, the peripheral edge of said last named means which is in contact with said shoulder being notched to provide passage means to aid in the filling of said container, a portion of said neck being bent inwardly upon said closure, whereby the sealing means is acted on by a wedging force on the part of the last named means and compressibly confined substantially from all sides into sealing relationship with said closure, said neck, and said passage means, due to coaction between said wedging means, said closure means, said shoulder, said neck, and the internal fluid pressure.

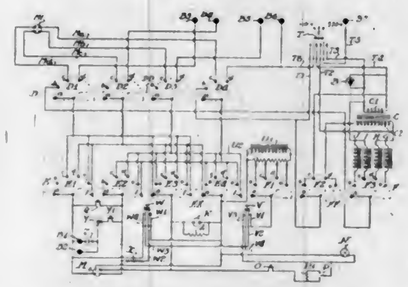
2,243,755

APPARATUS FOR TESTING FLUORESCENT LAMPS, CONTROL UNITS, AND CIRCUITS

Gerald Wayne James, Chicago, Ill., assignor to Zephyr-Lite Mfg. Co., Chicago, Ill., a corporation of Illinois

Application July 13, 1940, Serial No. 345,365

11 Claims. (Cl. 175—183)



1. In combination, a testing circuit including current responsive equipment under test, a source of current for said circuit, manually operable means for controlling the connection of the equipment under test into said circuit, said means comprising a selector switch having a number of contact terminals and a plurality of contact arms adapted to be moved into engagement with the respective terminals, each arm being mechanically synchronized with the other to concurrently contact separate terminals to close the circuit, a fixed inductance and a variable resistance connected in parallel, a transformer, manually operable means for connecting portions only of said variable resistance into the circuit mechanically synchronized with means for coupling alternate sides of said transformer into the circuit to concurrently correspond to the characteristics of the equipment under test, a fixed resistance, means for cutting out of said circuit said fixed inductance and said variable resistance and cutting in said fixed resistance in series in said circuit, a variable impedance and inductive reactance, manually operable means for connecting portions only of said variable impedance into the circuit mechanically synchronized with said means for coupling alternate sides of said transformer into the circuit, and current responsive means connected across said circuit for obtaining an indication of the operation of the equipment under test.

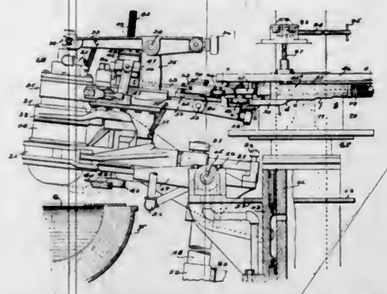
2,243,756

ACTUATING MECHANISM FOR CUTOFF KNIVES

Clarence C. Kinker, Montreal, Quebec, Canada, assignor to Owens-Illinois Glass Company, a corporation of Ohio

Continuation of application Serial No. 217,001, July 1, 1938. This application December 30, 1938, Serial No. 248,465

7 Claims. (Cl. 49—5)



1. In a glassware forming machine including a stationary central column, a mold carriage rotatively mounted upon the column, an annular series of mold groups on said carriage, each group including a suction type blank mold, a swingable cut-off knife for each mold and vertical rock shafts individual to the knives journaled in the mold carriage and connected at their lower ends to the knives; the improvement which consists in mechanism for actuating the knives, said mechanism comprising an arm common to the mold groups pivoted medially to the column and movable in a horizontal plane, a spring connected to one end of the arm and normally maintaining the other end spaced radially outward from the column, devices carried by each mold group including means for rocking the arm and thereby momentarily energizing the spring and means permitting deenergization of the spring, a radial push rod connected at its outer end to the rock shaft and a lever pivoted to the inner end of the push rod and positioned for engagement with and actuation by said other end of the arm during de-energizing of the spring whereby to operate the knife.

2,243,757

FILE BAND

Erich Eugene Kohls, Fairy Chasm, and Ira Milton Jones, Thiensville, Wis., assignors to Continental Machines, Incorporated, Minneapolis, Minn., a corporation of Minnesota

Application November 9, 1939. Serial No. 303,552

1 Claim. (Cl. 29—76)

A file assembly for filing machines comprising: a flat flexible metal band; a plurality of file elements carried flatwise by said band in end to end relationship with each other; means connecting the central portion of each of said file elements to the band so as to permit flexing of the band away from the ends of the file elements; a readily detachable connection at the ends of the band whereby the ends may be joined to form an endless band; each of said file elements having a recess in its undersurface opening to its end; a tang struck up from each end of the band and engaged in the recess of the file element adjacent thereto so as to prevent lateral shifting of the endmost file elements on the band; and a plurality of raised portions on the band, one opposite the adjacent ends of each pair of file elements, said raised portions being engageable in the recesses at the ends of said pairs of file



elements to preclude lateral shifting thereof on the band.

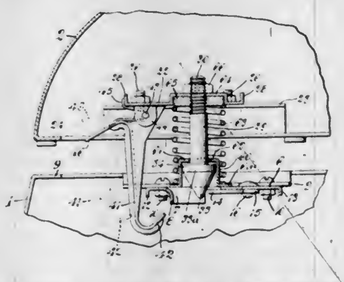
2,243,758

UNITARY GUIDING AND LATCHING MEANS FOR AUTOMOBILE HOODS

Walter H. Krause, Chicago, Ill., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill., a corporation of Illinois

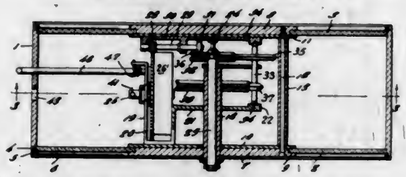
Original application May 18, 1939, Serial No. 274,315. Divided and this application December 1, 1939, Serial No. 307,051

5 Claims. (Cl. 292—340)



1. In locking means for an automobile hood having hingedly connected members with latch-part mounting members on the respective hood members, one of said mounting members being vertically superposed over the other when the hood is in closed position, a combined centering member and keeper mounted on one of said mounting members, the other mounting member being apertured to receive said keeper in guiding relationship, said keeper including a stem and a head, said head having a portion, adjacent the outer end of the stem, of substantially greater diameter than the stem, and having downwardly and inwardly converging walls, a thrust member mounted on and guided by said keeper, and yielding means adapted to urge said thrust member against said opposite latch-part mounting member whereby, when the keeper is released, the thrust member is adapted to lift the upper hinged member, said thrust member being in the form of a cup surrounding said head, and having an inwardly extending upper flange adapted to engage said head.

2,243,759
CLOCK
Joseph Maluo, Honolulu, Territory of Hawaii
Application April 5, 1940, Serial No. 328,130
4 Claims. (Cl. 58—125)



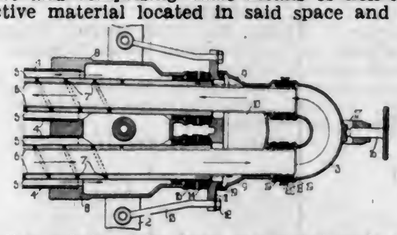
3. A clock for use in an image projecting machine to project the time on a screen comprising a cylindrical shell having open ends, a pair of annular disks of transparent material secured in said shell at opposite ends thereof respectively, one of said disks having delineated thereon a pair of inner and outer annular dials arranged thereon concentrically thereof, one of said dials being an hour and minutes indicating dial and the other a seconds indicating dial, a pair of opaque circular plates fitted in said disks, respectively, and secured therein, a rotatably mounted axial arbor of tubular form in said shell and having one end extended out of one of said plates forwardly of said dials, an hour hand fast on said end of said arbor for rotation thereby around said hour and minutes indicating dial, a second arbor rotatable in the tubular arbor and extending out of said one end of the same, a minutes hand fast on said second arbor for rotation thereby around said minutes indicating dial, and means in said shell to rotate said arbors and located between said plates to prevent interference with projection, said means comprising a normally disabled spring motor, means to enable said motor at will, a motor driven shaft operable by said motor, and a friction drive between said shaft and said arbors.

2,243,760
PROCESS FOR PRODUCING DIESEL OILS
Friedrich Martin, Mulheim-Speldorf, Otto Roelen, Oberhausen-Holten, and Paul Schaller, Oberhausen - Sterkrade, Germany, assignors to Ruhrchemie Aktiengesellschaft, Oberhausen-Holten, Germany
No Drawing. Application March 4, 1937, Serial No. 129,088. In Germany March 4, 1936
9 Claims. (Cl. 44—9)

1. A fuel for driving Diesel motors, consisting of paraffinic oils obtained by the catalytic reduction of carbon monoxide to hydrocarbons and having boiling points ranging from 200° C. to 320° C. and of carbonaceous products poor in hydrogen in simple admixture.

2,243,761
STERILIZATION OF LIQUIDS
Wincenty Matzka, Grasse, France
Original application August 25, 1936, Serial No. 97,853. Divided and this application March 20, 1939, Serial No. 262,968. In the Netherlands September 2, 1935
8 Claims. (Cl. 204—248)

1. Apparatus for the sterilization of liquid which comprises a pair of closely-spaced concentric tubes whose surfaces are at least of two different metals, at least one of which metals is such that it splits off bactericidal metal ions, means for feeding liquid through the space between said tubes, means for repeatedly changing the direction of flow of said liquid while in said space and comprising baffle means of non-conductive material located in said space and ex-



tending substantially from one metal surface to the other, and separate means for maintaining said tubes independently at different raised temperatures below about 80° C.

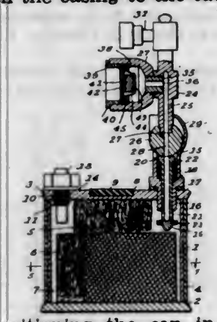
2,243,762
CIGARETTE AND CIGAR LIGHTER
Horace Robert Milan, St. Louis, Mo., assignor of one-half to Oswald L. Bluege, Washington, D. C.
Application April 13, 1940, Serial No. 329,534
4 Claims. (Cl. 67—7)



1. A cigarette and cigar lighter including a barrel having end closures one of which is provided with air inlet openings, a manually adjustable tube carried by that end of the barrel having the air inlet openings and extending into the barrel, a socket member carried by the tube and engageable for adjusting the tube, a catalyst positioned in the socket member, and absorbent material carried in the barrel and adapted to be saturated with vaporizable fluid, the socket member when in one position of adjustment engaging the end of the barrel and covering the air inlet openings and when in another position of adjustment uncovering the inlet openings for admission of air into the barrel.

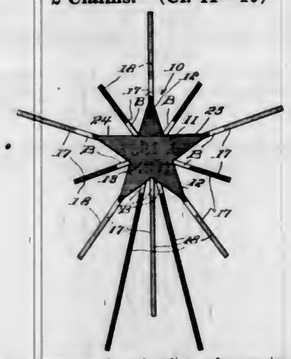
2,243,763
CIGARETTE AND CIGAR LIGHTER
Horace Robert Milan, St. Louis, Mo., assignor of one-half to Oswald L. Bluege, Washington, D. C.
Application April 13, 1940, Serial No. 329,535
10 Claims. (Cl. 67—7)

6. A lighter including a casing, means within the casing for holding a vaporizable fluid, a pivotally mounted arm having a bore therein, a cap having communication with the bore of the arm, and a catalyst carried by the cap, said arm when in one position of adjustment forming communication through the bore between the casing and cap carried by the catalyst and when in another position of adjustment cutting off communication between the casing to the catalyst carrying



cap and positioning the cap in contact with the casing to prevent entrance of air into the cap.

2,243,764
ORNAMENT
Wilber B. Miles, Jr., Milesburg, Pa.
Application June 24, 1940, Serial No. 342,147
2 Claims. (Cl. 41—10)



2. An ornament of the character described comprising, a substantially star-shaped body, the front face thereof being coated with a luminous substance, a disc attached to the rear face of said body, a plurality of members projecting radially of said body and supported within said disc, a portion only of said members being coated with a luminous substance with the area of said members adjacent the edges of said body being free of coating whereby said body and members will appear illuminated in a darkened room with said members giving the appearance of rays radiating from the star body.

2,243,765
TREATMENT OF CELLULOSIC TEXTILE MATERIALS
Thomas Henry Morton, Braintree, England, assignor to Courtaulds Limited, London, England, a British company
No Drawing. Application April 18, 1940, Serial No. 330,425. In Great Britain April 4, 1939
3 Claims. (Cl. 260—212)

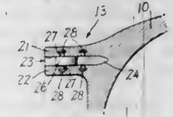
1. The production of compounds of cellulose with formaldehyde by treating cellulose with an aqueous solution of formaldehyde containing a small proportion of an acid catalyst under such conditions of time and temperature that the reaction is allowed to approach its equilibrium, the proportion of the solution of formaldehyde to the cellulose being such that the cellulose is always in a fully swollen state, said solution containing 40% formaldehyde, said catalyst being sulphuric acid in decinormal to normal solution, said time being from 10 minutes to 24 hours, and said temperature being from 24° C. to 80° C.

2,243,766
REFRIGERATION
Peter A. Nelson, Reno, Nev.
Application January 5, 1939, Serial No. 249,510
1 Claim. (Cl. 62—1)



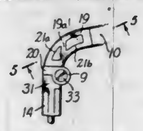
An endless conduit having a portion coiled around a cooling coil to be defrosted, a heating unit, a portion of said conduit being coiled around said heating unit, shut-off valves at opposite ends of said last mentioned portion, a by-pass around said last mentioned portion extending through an enclosed container, shut-off valves at opposite ends of said by-pass, said conduit being adapted to be filled with a liquid having a low freezing point, and a driven pump disposed in the conduit, between its first mentioned portion and its last mentioned portions, for circulating the liquid through the conduit.

2,243,767
EYEGLASS CONSTRUCTION AND METHOD OF MAKING THE SAME
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application March 17, 1939, Serial No. 262,341
3 Claims. (Cl. 88—53)



3. In eyeglass construction, in combination, an integral eyeglass frame formed from a plastic material and having extending therefrom integral spaced projections forming an endpiece, a relatively flat metal part disposed between said projections, each of two sides of said part having extending therefrom two or more headed over pins integrally formed with said part and spaced from each other, the shanks and heads of which are substantially completely embedded in the plastic material forming said projections.

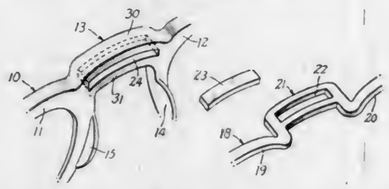
2,243,768
EYEGLASS CONSTRUCTION
Howard E. Spooner, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Original application April 19, 1940, Serial No. 330,447. Divided and this application November 22, 1940, Serial No. 366,560
7 Claims. (Cl. 88—53)



1. In eyeglass construction, in combination,

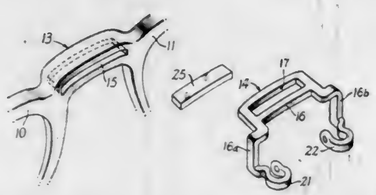
a frame including a rim formed from plastic material and having an endpiece portion with a slot formed therein, a flat metal part disposed in said slot, the length of said metal part being far greater than its thickness, said metal part having an opening extending vertically therethrough, the cross-sectional area of said opening being of substantial size as compared to the flat area of said metal part, and a separate piece of plastic material disposed in and filling said opening, said piece of plastic material being bonded to the top and bottom sides of said slot throughout the entire adjacent surfaces thereof.

2,243,769
EYEGLASS CONSTRUCTION
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application February 24, 1940, Serial No. 320,601
9 Claims. (Cl. 88—41)



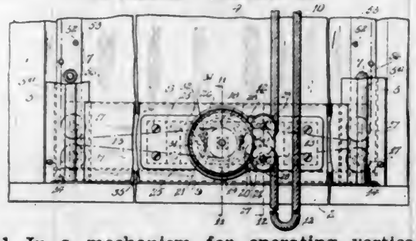
3. In eyeglass construction, in combination, a bridge formed from a material plastic in character having a slot therein, a metal part mounted in said slot having an opening of substantial size formed therein, an insert of plastic material substantially filling said opening, means securing said piece of plastic material to the sides of said slot, and a pair of temple-supporting arms connected to said part, said part being the sole connection between said arms and said frame.

2,243,770
EYEGLASS CONSTRUCTION
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application February 24, 1940, Serial No. 320,602
6 Claims. (Cl. 88—43)



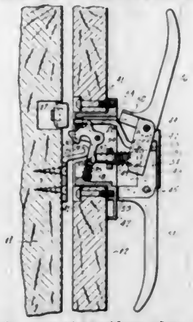
5. In eyeglass construction, in combination, an eyeglass frame formed from a material plastic in character and including a non-metallic bridge having a slot formed therein, an elongated metal part mounted in said slot and having an opening of substantial size formed therein, a separate piece of plastic material filling the opening in said part and being fused to the side walls of said slot, and a pair of nose guards connected to said part.

2,243,771
WINDOW CLOSURE OR SIMILAR FITTING
Alvin F. Nye, Rochester, N. Y., assignor, by mesne assignments, to Harry B. Lawson, East Rochester, N. Y.
Application September 29, 1938, Serial No. 232,331
12 Claims. (Cl. 156—28)



1. In a mechanism for operating vertically reciprocatory closures and the like with reference to their supports, the combination with a driving device on the closure, of tracking means geared to the driving device and connected with the support, and a driven device on the closure adapted to climb said tracking means under impulse from the driving device.

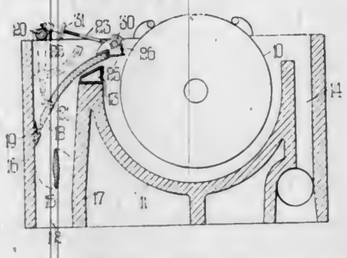
2,243,772
LATCHING MEANS FOR REFRIGERATOR DOORS
Frank D. Peltier, Indianapolis, Ind., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application October 30, 1937, Serial No. 171,812
8 Claims. (Cl. 292—11)



1. In a latch construction for a plurality of doors for a refrigerator in which the doors are arranged in inner and outer relationship, a latch for each of said doors, the latch for the inner door being normally inaccessible when the outer door is closed; and an operating arrangement carried by the outer door including mechanism whereby both latches may be released for simultaneous opening of both doors and mechanism whereby only the latch for the outer door may be released for opening of the outer door alone, said latch for the inner door including a part accessible and directly manually operable for its release after the outer door has been opened.

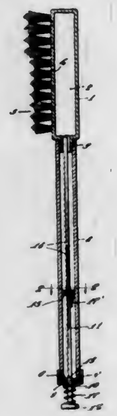
2,243,773
PAPERMAKING MACHINERY
Herbert Charles Randell, Bury, England, assignor to Walmsleys (Bury) Limited, Bury, England, a British company
Application January 19, 1939, Serial No. 251,827
In Great Britain January 21, 1938
3 Claims. (Cl. 92—43)

1. A papermaking machine comprising a substantially semi-cylindrical vat, a cylindrical mould rotatable in said vat, an inlet compartment through which stock is fed to said mould, a dam at the upper and outlet end of said inlet compartment and over which the stock is projected into said vat and into contact with said mould, a flexible plate extending over the entire



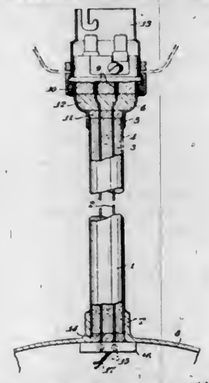
length of the vat above said dam and angularly adjustably displaceable to vary its height above the top of said dam so as to vary the opening for the projection of said stock into said vat, and means for varying the height of said flexible plate differentially along its length whereby to vary the depth of said opening at different positions longitudinally of said plate and said vat.

2,243,774
DISPENSING DEVICE
Victor J. Resh, Boston, Mass.
Application December 22, 1939, Serial No. 310,646
2 Claims. (Cl. 221—78)



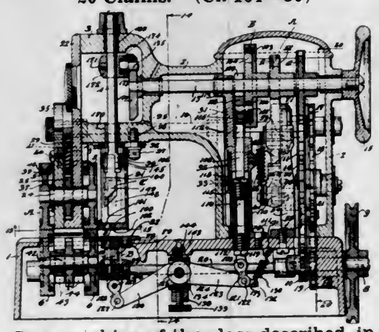
1. Pressure feeding means for use in a fountain toothbrush having a hollow handle, said means comprising a disk type piston of flexible material adapted to fit frictionally in said handle for sliding movement therein and having a central bore, and a piston rod adapted to be reciprocated in said handle and extending through said bore, said rod having ratchet teeth on one side thereof, and said teeth being constructed and arranged to pick up the marginal edge of said bore under movement of the rod in one direction and to wipe over said marginal edge under movement of the rod in the opposite direction, whereby a one way step-by-step movement is imparted to said piston under reciprocation of said rod.

2,243,775
ELECTRIC LAMP STANDARD
Philip Barker Roberts, London, England
Application June 24, 1940, Serial No. 342,187
In Great Britain December 9, 1938
3 Claims. (Cl. 248—158)



1. A fixture device for connecting lamp sockets to a source of electrical supply in such a manner that the conductors will not be twisted upon application of the lamp socket, comprising, a tubular metal sheath, conductors within said sheath, a lamp socket assembly including a cap, a terminal block and a shell carried by one end of the sheath, the cap of said assembly being non-rotatably secured to the end of the sheath, a powdered insulating filling material within the sheath for maintaining the conductors in relative predetermined fixed relation and insulating the same from the sheath, means at each end of the sheath for holding said powdered insulating material therein, a water-resistant filler within the cap of the lamp socket assembly and covering the means at one end of the sheath for holding the powdered insulating material therein, said conductors extending through said water-resistant filler to thereby connect with the terminals of the terminal block of the lamp socket assembly, a base rigidly secured to the end of the sheath opposite the lamp socket assembly, a connector block carried by the base and having terminals to which said conductors are connected.

2,243,776
FUR CUTTING MACHINE
Louis Rotter, Cambridge Springs, Pa.
Application May 22, 1939, Serial No. 275,060
20 Claims. (Cl. 164—50)



1. In a machine of the class described, in com-

bination, a support, cutting instrumentalities reciprocally mounted thereon, and work clamping instrumentalities also mounted on said support and including a reciprocal pressure member disposed in opposed relation to the cutting instrumentalities aforesaid, said pressure member including a plurality of spaced pins arranged contiguous to the line of cut produced by the cutting instrumentalities, each pin being yieldably mounted independently of the others.

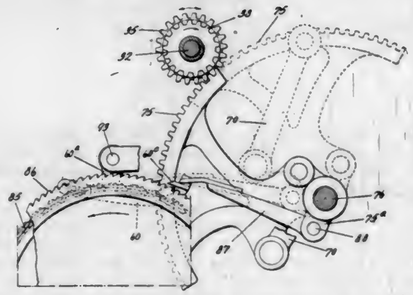
2,243,777

PATTERN CHAIN CONTROL MECHANISM

Albert E. Page, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts

Application February 4, 1939, Serial No. 254,701

12 Claims. (Cl. 66—154)



3. In a circular knitting machine, a pattern chain for controlling the length of a knit fabric portion, a pawl for operating said chain, pawl operating means operating said pawl through a movement of uniform extent at each operation thereof and means controlled by said pattern chain for varying the effective operating stroke of said pawl to vary the length of said fabric portion.

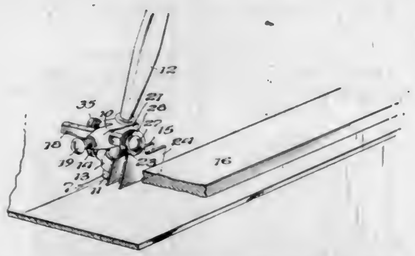
2,243,778

GLASS CUTTER

Thomas J. Stansel, Clarksburg, W. Va.

Application April 2, 1940, Serial No. 327,535

5 Claims. (Cl. 49—52)



4. A glass cutter, comprising a body having a handle and a cutter, a bar mounted on said body for adjustment laterally with respect to said body, a guide for said cutter rotatably mounted on said bar for movement from a guiding position to a non-guiding position, friction means on said bar for holding said guide in said positions, a lug on said bar, and means on said guide for engagement with said lug for limiting the rotary movement of said guide.

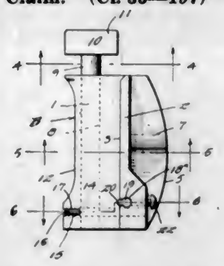
2,243,779

HINGE GAUGE

John L. Taylor, San Diego, Calif.

Application May 4, 1940, Serial No. 333,413

1 Claim. (Cl. 33—197)



A hinge gauge comprising a body having a flat face, a flange carried by and extending along one side of the flat face of the body, said flange having its inner face flat and substantially at right angles to the flat face of the body, spurs carried by one end portion of the body, one of said spurs extending beyond the flat face of the body at the side thereof remote from the flange, the second spur extending beyond the flat face of the flange, a head coacting with the end of the body remote from the spurs, and means for securing said head to the body to permit the head to be adjusted toward or from the body, said head having a flat face substantially flush with the flat face of the body, the side edges of said flat face of the head being at right angles to the inner flat face of the flange, the edge of the flat face of the body remote from the head being also at right angles to the inner face of the flange.

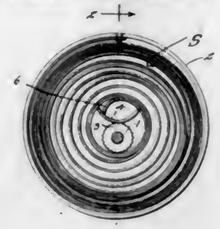
2,243,780

SPRING MOUNTING

Emmett B. Thigpen, Macon, Ga.

Application January 2, 1940, Serial No. 312,145

4 Claims. (Cl. 185—45)



2. A mounting for a spiral spring comprising an arbor around which the spring winds, and an arcuate member having the central portion of its outbow side in contact with the periphery of the arbor, the inner end portion of the spring being formed to extend within said member, the peripheral portion of the arbor with which the arcuate member contacts being corrugated.

2,243,781

FLUID PRESSURE REMOTE CONTROL SYSTEM

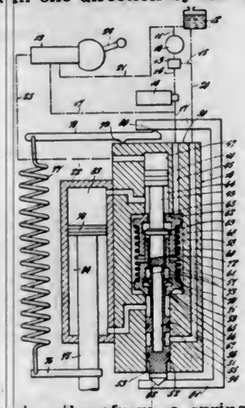
Peter Warborn Thornhill, London, England, assignor to Automotive Products Company Limited, London, England

Application April 5, 1940, Serial No. 328,158

In Great Britain April 1, 1939

5 Claims. (Cl. 121—41)

1. In a liquid pressure remote control system including a source of liquid under pressure, a pressure regulating valve connected thereto, means for adjusting the pressure of the liquid issuing from said valve and a double-acting piston and cylinder unit driven by said liquid from said source under the control of said regulating valve, a servo valve comprising, a hollow valve body in communication with the source of liquid pressure and each of the working spaces of the unit, an inner valve member in communication with said regulating valve and adapted to be urged in one direction by the liquid under



pressure issuing therefrom, a spring operatively connected with the movable part of the unit for urging said inner valve in the other direction, and a pair of outer valve members operated by said inner valve member, said outer valve members each cooperating with the valve body to control the supply of pressure liquid to one working space of the unit, the outer valve members being arranged to cooperate telescopically and being urged apart by a spring to seat normally on an edge of the valve body and thus cut off the supply of pressure liquid to both sides of the unit.

2,243,782

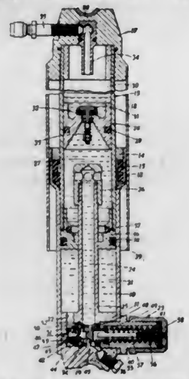
SHOCK ABSORBER

Peter Warborn Thornhill, London, England, assignor of one-half to The Ribbesford Company Limited, London, England

Application November 9, 1940, Serial No. 365,116

In Great Britain October 2, 1939

9 Claims. (Cl. 267—64)



1. In a hydraulic shock absorber including relatively movable elements defining a variable volume working space therebetween, means defining a variable volume chamber within one of said elements, resilient energy storing means acting on said means and tending to reduce the volume of said variable volume chamber thereby placing the liquid under sufficient pressure to support the normal static load on the shock absorber and means establishing a passageway between said working space and said chamber, a damping valve construction disposed in said passageway, said construction comprising, opposed normally closed check valves and means movable in response to pressure in said working space to open one of said check valves when the pressure in said working space falls below a predetermined value and to open the other of said check valves when the pressure exceeds said value.

2,243,783

PRODUCTION OF CHROMIUM-BEARING REACTION MIXTURES AND ALLOYS

Marvin J. Udy, Niagara Falls, N. Y.

No Drawing. Application October 26, 1939, Serial No. 301,375

20 Claims. (Cl. 75—27)

1. A solid agglomerate suitable for use in the production of molten metal by exothermic reaction comprising particles of high carbon ferrochromium intimately associated with and bonded together by means of oxidizing material solidified from the molten state and capable of reacting with carbon of the ferrochromium with the development of sufficient heat to melt the iron and chromium of the ferrochromium.

2,243,784

METHOD AND MATERIAL SUITABLE FOR USE IN THE PRODUCTION OF MOLTEN METAL PRODUCTS

Marvin J. Udy, Niagara Falls, N. Y.

No Drawing. Application October 26, 1939, Serial No. 301,376

24 Claims. (Cl. 75—27)

1. A solid agglomerate for use in the production of molten metallic iron comprising particles of ferrosilicon intimately associated with and bonded together by means of oxidizing material capable of reacting with the silicon of the ferrosilicon to generate sufficient heat to melt the iron of the ferrosilicon.

2,243,785

CHROMIUM RECOVERY

Marvin J. Udy, Niagara Falls, N. Y.

No Drawing. Application November 16, 1939, Serial No. 304,659

2 Claims. (Cl. 75—5)

1. The method of treating chromite ore to prepare a charge suitable for smelting with a carbonaceous reducing agent to reduce chromium contained in the ore to the metallic state which comprises grinding the chromite ore, and subjecting the ground ore product to a sintering treatment in the presence of lime to form an agglomerated product containing ore particles and lime in intimate association.

2,243,786

METALLURGY

Marvin J. Udy, Niagara Falls, N. Y.

No Drawing. Application May 28, 1940, Serial No. 337,680

27 Claims. (Cl. 75—27)

1. A solid agglomerate suitable for use in

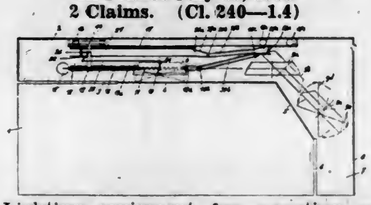
metallurgical operations containing solid particles comprising a reducing agent intimately associated with and bonded together by means of oxidizing material containing oxygen available for reaction with the reducing agent and capable upon ignition of the agglomerate of reacting exothermically with the reducing agent.

2,243,787
COLORED STEEL
Clements Batcheller, Glens Falls, N. Y., assignor to Allegheny Ludlum Steel Corporation, a corporation of Pennsylvania
Application June 30, 1938, Serial No. 216,719
9 Claims. (Cl. 41—18)



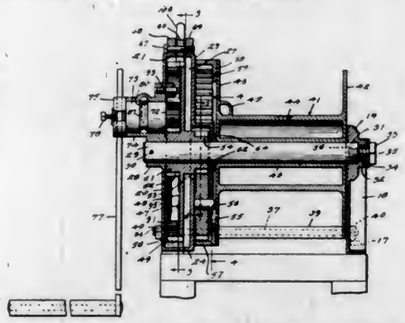
5. The method of forming a design integral with the surface of stainless steel which comprises subjecting said surface to the action of a solution comprising sulphuric acid, water and an etching inhibitor in which the sulphuric acid constitutes more than 35% and less than 60% of the combined weight of the acid and water, for a sufficient length of time to form a uniform, substantially black color film integral with the surface of said steel, masking certain zones of said colored surface in which it is desired to preserve the color to produce the design when the color is removed from the exposed zones about said masked zones, and thereafter removing the color from the exposed zones.

2,243,788
DEVICE FOR LIGHTING OPERATING ROOMS
Jacques Alfred Victor Benard, Paris, France, assignor to Anciens Etablissements Barbier, Benard & Turenne, Paris, France, a joint stock company of France
Application July 12, 1939, Serial No. 284,112
In France July 29, 1938
2 Claims. (Cl. 240—1.4)



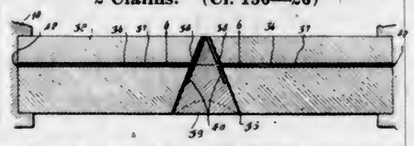
1. Lighting equipment for operating rooms, with complete separation of the lighting source, comprising a transparent false ceiling consisting of a horizontal portion in spaced relationship to the ceiling proper and an oblique portion inclined downward and located at one end of said horizontal portion, a horizontal roller track located in the separated space thus formed above the false ceiling, a carriage adapted to be moved on said roller track, a lighting apparatus connected to said carriage and movable therewith, means for controlling the horizontal movement of said carriage on the roller track, and means whereby the first part of said movement of the carriage imparts a horizontal movement to the lighting apparatus above the horizontal false ceiling portion, whereas the last part of such horizontal movement results in a pivoting of the lighting apparatus and in an oblique downward movement of same behind the oblique false ceiling portion.

2,243,789
WINCH
Jesse M. Benson, Concord, Tenn.
Application March 25, 1940, Serial No. 325,905
4 Claims. (Cl. 254—186)



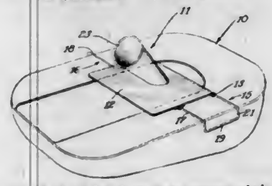
4. In a winch, a winding drum, a stationary shaft having a portion thereof rotatably supporting said drum, an upstanding stationary gear housing fixed to one end of said shaft and having outer and inner end walls, a relatively large low speed driving gear in said housing, a hub carried by said gear rotatable on another portion of said shaft and having one end extended laterally from said gear through the inner end wall of the housing, a high speed driving gear within the housing carried by the other end of said hub, a second gear carried by the said projecting end of said hub, an intermediate gear meshing with the gear on the projecting end of said hub and arranged exteriorly of said inner end wall, means on the inner end wall of the housing for rotatably supporting said intermediate gear, below said second gear, an internally threaded gear fixed to the inner end of said drum and meshing with said intermediate gear, a pair of bushings connected to the outer end wall of and opening into said housing, an operating member engageable in a selected bushing for engagement with a selected driving gear for rotating said drum at a selected speed, spacing means about said shaft between the inner end of the drum and said intermediate gear supporting means, means for supporting the other end of said shaft and for maintaining the drum on the latter, a pair of hollow aligned bosses carried by said bushings, and a rockable locking member mounted in said bosses for releasably locking said operating member in a selected bushing, said locking member including an angularly disposed operator for gravitatingly maintaining said locking member in locking position relative to said operating member.

2,243,790
COMPACT WINDOW SCREEN
James R. Blood, Leavenworth, Kans.
Application February 2, 1939, Serial No. 254,306
2 Claims. (Cl. 156—26)



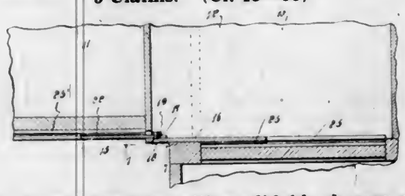
1. A lock for sliding closures comprising a member slidably mounted in a closure frame, rods, having heads on their inner ends, slidably mounted longitudinally of said member, a wedge slidably mounted transversely of said member and provided with converging slideways having portions complementing said heads for slidably engaging the adjacent ends of said rods for projecting and retracting said rods relatively to the member, and said rods forming bolts for engaging the closure frame, when in a projected position.

2,243,791
BEDPAN
Joseph H. Botenstein, Chicago, Ill.
Application July 11, 1940, Serial No. 344,970
4 Claims. (Cl. 4—112)



1. A urinal for bed pans comprising a rectangular plate having parallel spaced longitudinally disposed tubular guides, a pair of U-shaped members slidably mounted within the guides at respective ends of the plate, said members bent laterally providing clamping jaws on the outer ends of the members, and a tubular means conducting urine through the plate.

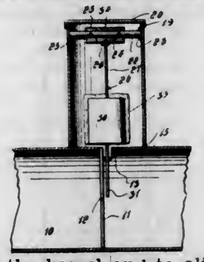
2,243,792
SPACE SAVING DRAWER CONSTRUCTION
Russell S. Cline, Statesville, N. C.
Application August 31, 1939, Serial No. 292,927
5 Claims. (Cl. 45—95)



1. In combination with a slidable drawer and its mounting, a pair of slide devices, one slide device being located between one side of the drawer and its mounting and the other slide device being located between the opposite side of the drawer and its mounting, said slide devices each consisting of sections pivoted together to enable pivotal movement of the drawer when in open position, said devices having flanges extending respectively into the drawer and mounting for abutment with portions thereof to prevent detachment of the drawer and slide devices.

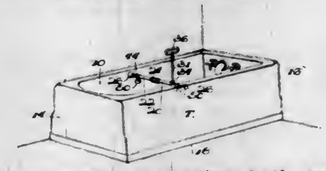
2,243,793
CANT INDICATOR FOR TELESCOPIC RIFLE SIGHTS
Harry G. Cummins, Las Cruces, N. Mex.
Application May 16, 1940, Serial No. 335,603
6 Claims. (Cl. 33—50)

1. An attachment for telescopic rifle sights comprising a housing secured to the barrel of a telescopic sight, said barrel having an elongated transversely disposed slot communicating with said housing, said barrel being provided with single cross hairs disposed adjacent to said slot, a shaft fixed in said housing, a sleeve rotatably mounted on said shaft, a pendulum secured to and depending from the sleeve, said pendulum including a supporting rod secured to and depending from the sleeve, a weighted block connected to and supported by the rod, and disposed within the housing, and a blade depending from the block through said slot and arranged to swing



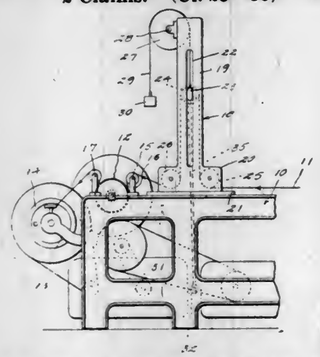
transversely of the barrel and to aline with the upright cross hair when in a perpendicular position.

2,243,794
SUPPORTING DEVICE FOR BATHTUBS
Rose M. Dunn, Rochester, N. Y.
Application February 17, 1941, Serial No. 379,349
2 Claims. (Cl. 4—185)



1. An extensible supporting bath appliance comprising a pair of aligned end rails, threadedly connected together, a compressible suction cup member secured to the outer ends of each end rail, said suction cup members having their operative wall engaging faces disposed outwardly in opposite directions, and an additional compressible suction cup member secured to each end rail medially thereof, said latter suction cup members having their operative wall engaging faces disposed laterally of the supporting appliance in the same direction.

2,243,795
TENSION CONTROL FOR YARN SLASHERS
Ernest J. Eaddy, Spartanburg, S. C.
Application August 24, 1939, Serial No. 291,750
2 Claims. (Cl. 28—36)



1. In a tension control for a yarn slasher of that type including a warp beam and a speed regulating means for and operating said beam, the combination of a pair of spaced parallel upstanding supporting members formed with

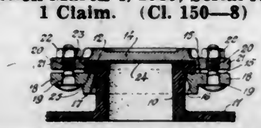
alined lengthwise slots and adapted to be anchored to the slasher frame inwardly of the beam, vertically movable slide bearings mounted in said slots, a vertically adjustable tensioning roll bodily carried by said bearings for and over which the warp travels, counter-balancing means for said roll supported from the upper portion of said members and connected to said bearings, rear and front spaced parallel idler rolls disposed between the lower portions of said members and under which respectively the warp travels to and from the tensioning roll, a rotatable roll under which the warp travels, an inner idler roll over which the warp travels from the front idler roll to said rotatable roll, an outer idler roll over which the warp travels from the rotatable roll to the beam, said rotatable roll and outer and inner idler rolls adapted to be supported by the slasher frame between said members and beam, and means correlated with the tensioning roll, connected to and bodily moving with a slide bearing and adapted to be connected to said speed regulating means to thereby provide for maintaining a uniform tension on the warp between any point preceding the rear idler roll and the warp beam.

2,243,796

CLOSURE FOR RUBBER DRUMS

Kenneth F. Fay and Warren L. Odenweller, Easton, Pa., assignors, by mesne assignments, to The Pennsylvania Salt Manufacturing Company, Philadelphia County, Pa., a corporation of Pennsylvania

Application March 4, 1939, Serial No. 259,714
1 Claim. (Cl. 150—8)



In a closure for a receptacle and in combination, a receptacle neck made of resilient rubber or the like and provided at its outer end with an annular, outwardly extending flange, a rigid, unitary, annular retaining member positioned on the neck beneath the flange thereof, said retaining member having an upper wall in engagement with substantially the entire area of the undersurface of the flange and having an inner wall which tapers outwardly from said upper face of such member, the diameter of the member at the upper end of the inner wall thereof being approximately the same as the exterior diameter of the neck of the receptacle and the diameter of the member at the lower end of the inner wall thereof being approximately the same as that of the outside diameter of said flange, a cap member having a shallow recess in its under surface adapted to receive the flange of the receptacle neck, a gasket in the bottom of the shallow recess in the cap member for closing the opening in such neck, and means for securing said retaining and cap members together to clamp the flange of the neck therebetween.

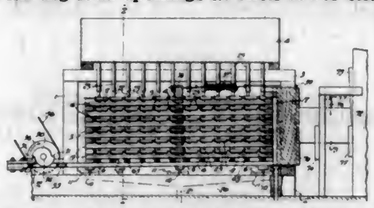
2,243,797

MACHINE FOR SEPARATING SEEDS OR THE LIKE

David Franks, Millersburg, Ohio, assignor of one-third to Charles K. Franks and one-third to Samuel Franks, Jr., both of Millersburg, Ohio

Application January 16, 1939, Serial No. 251,232
5 Claims. (Cl. 209—480)

1. In a seed separating machine, the combination of a reciprocating carrier having a plurality of superposed tiers of separator plates fixed therein, a series of upright seed supplying tubes mounted in the carrier and having openings in the sides thereof immediately above the respective separator plates for feeding seeds thereto and having leak openings at their lower ends below the openings in the sides thereof, means for supplying seeds to the upper ends of said tubes, and regulatable means for controlling the discharge of seeds from the leak openings at the lower ends of said tubes to prevent clogging of the seeds therein.

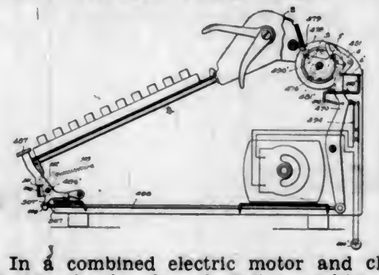


2,243,798

COMBINED ELECTRIC MOTOR AND CLUTCH CONTROL MECHANISM FOR CALCULATING MACHINES

Herman Gang, Livingston, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware

Application January 9, 1940, Serial No. 313,113
7 Claims. (Cl. 192—.02)



1. In a combined electric motor and clutch control mechanism for calculating machines, the combination with motor driven means for performing either of two different functions including a manual primary switch and a secondary switch, two normally ineffective clutches, a spring-urged control device for each clutch retractible to render the clutch effective, means including manipulable keys for retracting the respective clutch control devices and closing the secondary switch, and means operable with the primary switch closed, upon manipulation of either key, for maintaining the related clutch control device retracted, the related clutch effective and the other clutch ineffective during the performance of the particular function; of means operable with the primary switch open, upon manipulation of either key, for maintaining the related clutch control device retracted, the related clutch effective and the other clutch ineffective pending closing of the primary switch.

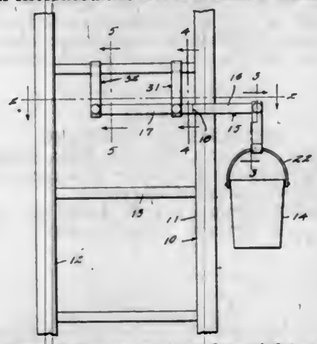
2,243,799

PAINT BUCKET HANGER

Paul Glosier, Maplewood, Mo.

Application May 31, 1940, Serial No. 338,205
2 Claims. (Cl. 248—211)

2. As a new article of manufacture a pail suspending device for use with a ladder for suspending a pail laterally of a ladder, said device comprising an elongated bar formed with an inner part and an offset outer part parallel with the inner part thereof, a depending pail suspending member at the outer end of said outer part, said member including an upturned lower end to receive the bail of a pail, and a right angularly bent upper end engaging the upper edge of said outer part, an intermediate hook member formed with a downturned upper end and a right angularly bent lower end engaging beneath said inner part, an inner hook member formed with an upturned upper end and a right angularly bent lower end engaging beneath said inner part, a headed pivot for each of said members fixed to said bar, and a spring about each pivot constantly urging a right angular end of a member to locking position for holding said members against pivoted movement.

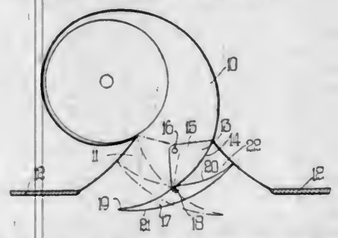


2,243,800

JET PROPULSION OF WATER-BORNE VESSELS

James Wallis Goodyear, Birkenhead, England

Application May 24, 1939, Serial No. 275,556
In Great Britain June 1, 1938
5 Claims. (Cl. 115—16)



1. A water-craft having means to impel a stream of fluid, an outlet conduit for said fluid leading through a side wall of the water-craft, a vane forming a continuation of one side wall of said conduit, a pivot for said vane, means to displace the said vane about said pivot to vary the cross-sectional area of the outlet of said conduit, and a second vane in series with said first vane serving as a fairing therefor.

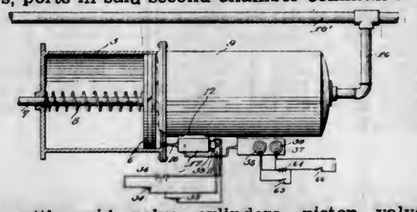
2,243,801

ELECTRIC CONTROL VALVE MECHANISM

James A. Gregory, Portland, Oreg.

Application November 7, 1939, Serial No. 303,278
6 Claims. (Cl. 303—20)

1. In an electric valve mechanism for air brake systems, the combination with a brake cylinder and air reservoir, of a block secured to said reservoir having a chamber in communication with the reservoir, a second chamber in communication with the brake cylinder, valve cylinders on opposite sides of said block, ports in said first chamber communicating with said valve cylinders, ports in said second chamber communicating with said valve cylinders, piston valves mounted to reciprocate in said valve cylinders to open and close the ports of said first chamber, springs for moving said piston valves to open position, solenoids for closing said piston valves when energized, an exhaust port in one of said valve cylinders, and a second piston valve for opening and closing said exhaust port.



2,243,802

METHOD FOR TREATING FOOTS OF SPIRITS OF TURPENTINE TO OBTAIN PHENOL ETHERS

Torsten Hasselström and Burt L. Hampton, Savannah, Ga.; said Hampton assignor to G & A Laboratories, Inc., Savannah, Ga.

No Drawing. Application November 28, 1938, Serial No. 242,862
5 Claims. (Cl. 260—612)

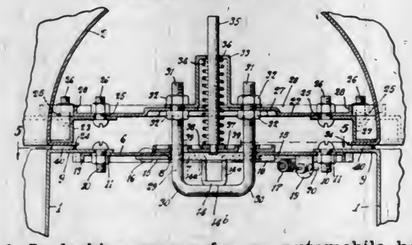
1. The method of obtaining anethol, which comprises distilling foots of gum turpentine, separating the lighter boiling constituents, redistilling the said constituents fractionally in the presence of alkali, and recovering a fraction having a boiling point of 106 to 115 degrees C. at 14 mm. pressure and a refractive index of substantially n_D 1.52 to 1.55 and containing anethol.

2,243,803

INSIDE CONTROL HOOD LATCH

Rowland Hill, Chicago, Ill., assignor to Chicago Forging & Manufacturing Company, Chicago, Ill., a corporation of Illinois

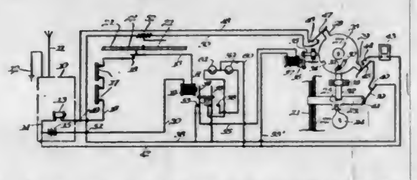
Original application February 17, 1939, Serial No. 256,965. Divided and this application August 4, 1939, Serial No. 288,264
9 Claims. (Cl. 292—340)



1. In locking means for an automobile hood having hingedly connected members with latch-part mounting members on the respective hood members, one of said mounting members being vertically superposed over the other when the hood is in closed position, a combined centering member and keeper mounted on and vertically adjustable in relation to one of said mounting

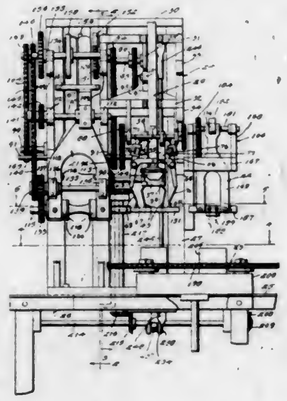
members, the other mounting member being apertured to receive said keeper in guiding relationship, and a thrust member mounted on and guided by said keeper, and yielding means adapted to urge said thrust member against said opposite latch-part mounting member whereby, when the keeper is released, the thrust member is adapted to lift the upper hinged member, said centering member and keeper including a generally U-shaped loop having two generally parallel stems, said thrust member being slidably mounted on both of said stems and being apertured to permit the passage of said stems therethrough.

2,243,804
ALARM SYSTEM
James O. Howton, Freewater, Oreg., assignor to Howton Radio Alarm Company, Seattle, Wash.
Application June 7, 1938, Serial No. 212,380
13 Claims. (Cl. 177—314)



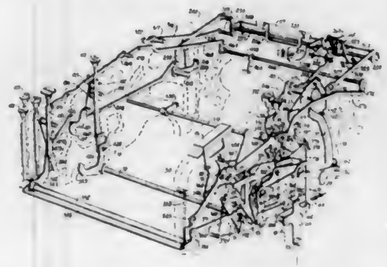
1. In an alarm system for premises including an entrance door, said system comprising a protective circuit and alarm signal producing means automatically operated upon disturbance of said circuit, the combination of a switch operable from the exterior of the door by an authorized person, a circuit across the protective circuit for shorting the protective circuit so that disturbance of the latter will not affect the signal producing means, said switch being arranged to control said shorting circuit, and means rendering said switch inoperative to open the shorting circuit when the protective circuit is in disturbed condition.

2,243,805
BAG CLOSING AND SEALING MACHINE
John L. Knapp, St. Joseph, Mo.
Application January 27, 1940, Serial No. 316,019
17 Claims. (Cl. 93—6)



1. A bag closing and sealing machine, comprising means engageable within the mouth of a bag for holding the mouth in an open and taut condition, oppositely movable means engageable with the bag exteriorly thereof for forming a pair of opposed inwardly projecting folds, means engageable with the bag mouth for compressing the same, means engageable with said compressing means to partially rotate the compressing means and to thereby form a closed reverted mouth, means for shifting the bag lengthwise of said compressing means while the bag is engaged with said compressing means, and means for sealing the reverted bag mouth.

2,243,806
ACCOUNTING MACHINE
Laurence N. Lehman, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application January 6, 1937, Serial No. 119,255
29 Claims. (Cl. 235—60)

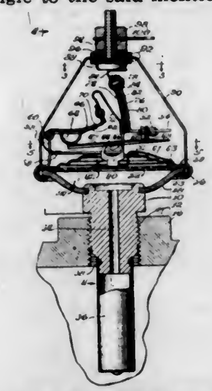


1. In a machine of the class described, the combination of printing means; an add-subtract totalizer; a non-accumulating storage device; actuators for operating the totalizer and storage device; means to engage the totalizer with the actuators; means to engage the storage device with the actuators; a control member; means rendered effective by actuation of the member to control the operation of the totalizer engaging means and storage device engaging means to thereby control the totalizer and the storage device in their selective engagement with and disengagement from the actuators and actuation by said actuators, to transpose the complementary amount of an overdraft to a true negative balance, enter said true negative balance in the storage device, then clear said true negative balance from the storage device and simultaneously subtract it from the zeroized totalizer to reenter the complement in said totalizer; and means rendered effective by actuation of the control member to control the printing means to cause the true negative balance to be printed as it is cleared from the storage device.

2,243,807
SENDING UNIT FOR INDICATORS
Homer F. Malone, Chicago, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application June 30, 1937, Serial No. 151,297
10 Claims. (Cl. 201—48)

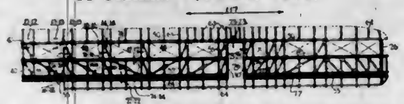
6. In combination, a lever movable in response to variations in a characteristic having a flat upper surface, a fulcrum engaging said surface, supporting means for said fulcrum pivotally movable substantially parallel to and longitudinally

of said surface, a second surface provided by said lever at an angle to the said mentioned surface,



a second lever engaging said second surface, and a rheostat operated by said second lever.

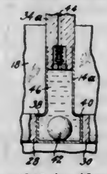
2,243,808
VEHICLE BODY CONSTRUCTION
Earl J. W. Ragsdale, Norristown, and Albert G. Dean, Narberth, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application April 14, 1934, Serial No. 720,650, now Patent No. 2,171,434, dated August 29, 1939. Divided and this application March 4, 1938, Serial No. 193,870
33 Claims. (Cl. 105—399)



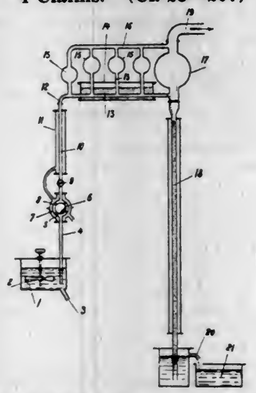
1. A vehicle body comprising a longitudinal series of transversely extending frames having vertically extending posts of channel section and vertically spaced longitudinally extending upper and lower rails therefor constituting chords of a truss, at least one of said chords being comprised of longitudinally continuous inner and outer channels having flanged side walls facing toward each other in juxtaposed position and welded through their flanges respectively to the bottom and side walls of the channel section of said posts.

2,243,809
METHOD OF MAKING HOLLOW WROUGHT METAL ARTICLES
Frans B. Wendel, New York, N. Y., assignor, by direct and mesne assignments, to W. S. A., Incorporated, New York, N. Y., a corporation of New York
Application October 3, 1934, Serial No. 746,658
4 Claims. (Cl. 29—157)

2. The method of forming a hollow metal article which includes placing a hollow shell having an open end in one of the recesses of a die having at least two connected tubular recesses, the axes of said recesses being substantially at right angles to each other, said die contacting the exterior surface of said shell, placing a rigid filling element within said shell and within the juncture of said tubular recesses, said filling element being of such size and shape as to engage and support a portion of said shell within said junction against internal collapse, filling the remainder of the internal volume of the shell with liquid, then applying end pressure to the open end of the shell with the liquid trapped therein to flow the material of the shell parallel to the axis of said one of the recesses towards said juncture and laterally from the juncture in the form of a tubular branch into the other intersecting tubular recess and parallel to the axis thereof, and guiding the flowing material of the shell in contact with the walls of the die due to said liquid and said rigid filling element, the latter remaining within said juncture and continuing to engage and support against internal collapse a portion of said shell within said juncture during the metal flowing operation.



2,243,810
PROCESS FOR THE CONTINUOUS PRODUCTION OF HYDROGEN PEROXIDE FROM POTASSIUM PERSULPHATE
Modeste Salleras, Fismes, France, assignor to Buffalo Electro-Chemical Company, Inc., a corporation of New York
Application May 13, 1937, Serial No. 142,506
In France October 6, 1936
4 Claims. (Cl. 23—207)

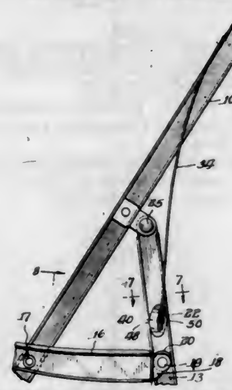


1. An apparatus for the continuous manufacture of hydrogen peroxide from potassium persulphate, comprising a reservoir for the formation of a finely divided suspension of a mixture of potassium persulphate in water and sulphuric acid, a vertical tube extending down into said reservoir beneath the surface of the material contained therein, a chamber of large volume constituted by two concentric spheres into which the tube discharges, a heating jacket surrounding the exterior sphere, a second vertical tube above the chamber and connected therewith, a valve on said second tube, a heated jacket surrounding the second tube, and a conduit placing said second jacket in communication with that which surrounds the external sphere.

3. In a process for continuously manufacturing hydrogen peroxide from potassium persulphate, the steps comprising forming a finely divided suspension of a mixture of potassium persulphate, water and sulphuric acid, in which the suspended

potassium persulphate is in a finely divided state in the solution of sulphuric acid, passing the suspension through a heated vessel at such a rate that the greater part of the potassium persulphate is converted at least to a less oxidized form of sulphate therein, discharging the mixture from said vessel through a constricted passage of regulatable cross section into a zone of subatmospheric pressure, maintaining the suspension in said vessel at a temperature below boiling by correlating the pressure in said vessel, determined by the size of said passage and the heat applied to said vessel, heating the mixture in said zone of subatmospheric pressure to a temperature sufficient to produce and vaporize hydrogen peroxide, and separating hydrogen peroxide from the residue.

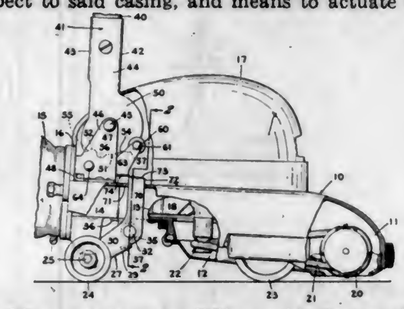
2,243,811
CHAIR BACK CONSTRUCTION
James E. Bales, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Application June 3, 1939, Serial No. 277,238
12 Claims. (Cl. 155—142)



1. A folding chair comprising a substantially U-shape frame, the lower portions of which form front legs, rear legs pivoted to said main frame, a seat pivoted to said frame and shiftably connected to said rear legs, and a full-length back for said chair comprising flexible members, said back being attached to the central portion of the U-shape frame and including a cross brace fixed to the lower ends of the flexible members, means shiftably rockably connecting said cross brace rearwardly of the longitudinal center of the rear legs whereby when the chair is folded the cross brace will clear a rearwardly projected portion.

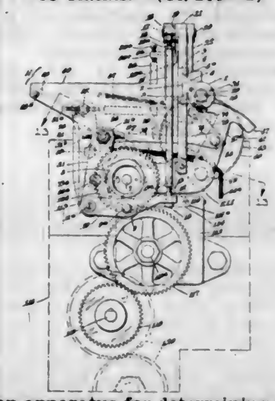
2,243,812
SUCTION CLEANER
Vernon E. Carlson, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application March 6, 1939, Serial No. 260,000
4 Claims. (Cl. 306—13)

2. In a suction cleaner, a casing, a handle pivoted on said casing, segmental means having spaced recesses of different lengths representing different extents of range of handle movement, resiliently actuated detent means adapted to engage said segmental means to resistingly prevent pivotal movement of said handle beyond the angular range defined by the recess in which said detent means is positioned, and means for locking said detent means in any of the selected recesses to positively lock said handle with respect to said casing, and means to actuate said



locking means upon lifting said cleaner from its supporting surface.

2,243,813
METHOD AND MEANS FOR MANIPULATING WIRE FORMED IMPLEMENTS
Friedrich Max Clauss, Bernville, and Carl Moellerke, West Reading, Pa., assignors to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application July 29, 1938, Serial No. 221,900
35 Claims. (Cl. 163—1)

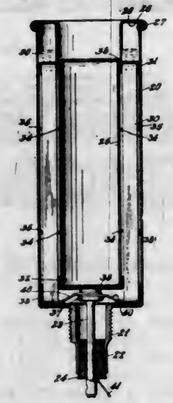


1. In an apparatus for determining the angular and axial positions of elongated metal blanks, the combination of a rotary positioning means adapted to receive an end of an elongated blank, a member on said positioning means for engaging a section of a blank having a holding surface, means for holding the blank until said engaging member turns into a given angular position relative to the blank, said engaging member adapted to turn the blank against said holding means when once the engaging member lies in a predetermined angular relation to the blank, means to turn the positioning means at least 360 degrees and to stop it in a given angular position whereby the blank is brought into predetermined angular position and means associated with said positioning means arranged to axially move said blank to place it in said holding means.

2,243,814
ELECTROLYTIC CONDENSER
William Dubilier, New Rochelle, N. Y., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J., a corporation of Delaware
Application November 5, 1937, Serial No. 173,025
6 Claims. (Cl. 175—315)

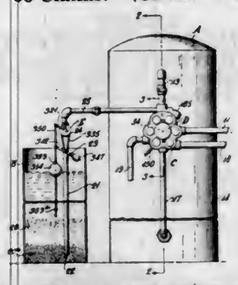
1. A container for an electrolytic condenser

comprising two aluminum cans, one of said cans having less diameter and length than the other and coaxially disposed therein, a pleated annular shaped anode disposed between said cans, the volume enclosed by the surfaces circumscribing and inscribing said anode being approxi-



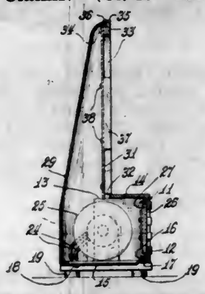
mately one to one and a half times the volume enclosed by said inscribing surface, a flange closing the annular space between said cans at one end thereof, and a venting gasket forming part of said closure; said cans being individually closed at the other end thereof.

2,243,815
WATER SOFTENING APPARATUS
Donald G. Griswold, Alhambra, Calif., assignor to Clayton Manufacturing Company, Alhambra, Calif.
Application May 17, 1939, Serial No. 274,288
33 Claims. (Cl. 210—24)



1. Water softening apparatus comprising, a softener tank; a brine tank; a fluid distribution unit; a water supply pipe and a drain pipe connected to said fluid distribution unit; piping connecting said fluid distribution unit with said softener tank and brine tank, respectively, said fluid distribution unit having passageways therein and a plurality of individual fluid pressure responsive diaphragm valves in said fluid distribution unit arranged to control the flow through said passageways, said fluid distribution unit further having conduits for admitting and exhausting operating fluid on one side of the diaphragm of said diaphragm valves, the opposite side of the diaphragm of said diaphragm valves being subject to the pressure of fluid in said passageways, said passageways and diaphragm valves being arranged to normally admit water into one end of said softener tank during normal softening operation, to admit water into the opposite end of said softener tank to effect backwashing, and to thereafter admit brine from said brine tank and water for rinsing into said first-mentioned end of said softener tank to regenerate and flush the softener bed; and means for controlling the application and exhaust of pressure fluid to said diaphragm valves for controlling the opening and closing of said diaphragm valves.

2,243,816
ILLUMINATED SIGN
Hyman C. Hammer, Chicago, Ill., assignor to Price Brothers, Inc., Chicago, Ill.
Application June 3, 1940, Serial No. 338,450
3 Claims. (Cl. 40—130)

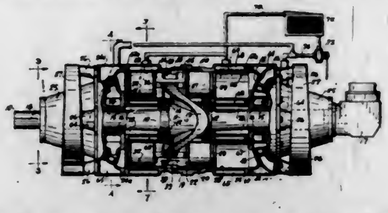


1. A sign of the character described comprising, in combination, a casing having a top, front and end walls, bottom wall portions extending inwardly from each end wall, a source of illumination mounted in said casing on each bottom wall portion, a detachably secured bottom wall for said casing extending between said bottom wall portions, a back wall secured to said casing and arranged to form therewith a lower compartment, said back wall being spaced from the rear edge of the casing top wall and extending above said casing, the portion of said back wall above said casing being inclined forwardly and having forwardly turned top and end margins terminating in substantially the same vertical plane as the rear edge of the casing top wall, a transparent panel located in the open forward side of said back wall arranged to form with said back wall an upper compartment in communication with the lower compartment, said panel being disposed in a vertical plane spaced rearwardly from the rear edge of the casing top wall and in substantial vertical alignment with the source of illumination whereby light rays from said source enter the upper compartment and also pass laterally through and in front of said panel, a border of translucent light diffusing colored material on the outside face of the top and end margins of said panel, and indicia of translucent light diffusing colored material on the outside face of said panel, said border and indicia being illuminated by direct light rays passing along the front face of said panel and entering their edges and indirectly by light rays deflected forwardly by the inclined back wall of said upper compartment.

2,243,817
INTERNAL COMBUSTION ENGINE
Karl L. Herrmann, South Bend, Ind.
Application May 14, 1937, Serial No. 142,653
7 Claims. (Cl. 123—58)

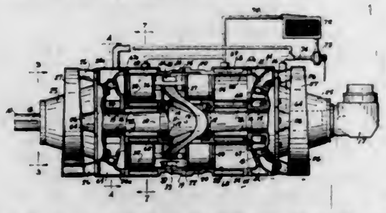
1. In an internal combustion engine having a rotatable shaft, a plurality of cylinders arranged with their axes parallel to said shaft and grouped around said shaft, pistons reciprocable in said

cylinders, means interconnecting said pistons and said shaft for effecting rotation of said shaft upon reciprocation of said pistons in said cylinders, and cylinder heads for said cylinders forming combustion chambers therefor, the combination of a group of valves cooperating with said heads for controlling the flow of combustible mixture



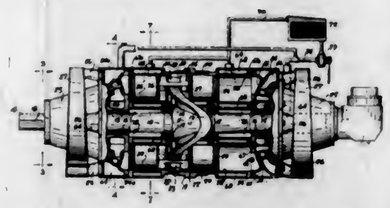
to said combustion chambers and arranged with their axes in conical formation about the axis of said shaft, a tappet aligned with each of said valves and engaging the stem end thereof, and a cam fixed for rotation with said shaft and having a cam face thereof disposed approximately normal to the axes of said tappets and operatively engaging the same.

2,243,818
INTERNAL COMBUSTION ENGINE
Karl L. Herrmann, South Bend, Ind.
Original application May 14, 1937, Serial No. 142,653. Divided and this application May 6, 1940, Serial No. 333,517
12 Claims. (Cl. 123—173)



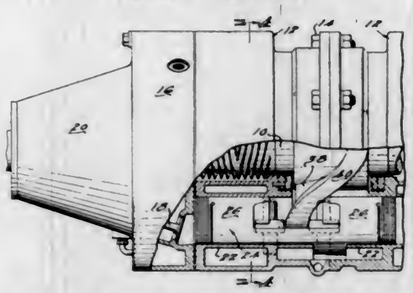
6. In an internal combustion engine of the barrel type wherein a plurality of cylinders are provided in a cylinder block and are arranged with their axes parallel to the axis of the engine drive shaft and grouped circularly thereabout, the cylinder block being provided with a water jacket, and the cylinder block being provided with a water jacketed cylinder head providing an inlet and exhaust port for each of said cylinders, the combination with said cylinder head of an annular intake manifold formed integrally therewith in surrounding relation with respect to the drive shaft, the radially outer wall of said intake manifold being formed to provide an outwardly directed pocket connecting each of said inlet ports with said intake manifold, said outer wall of said intake manifold forming between each adjacent pair of said pockets a radially outwardly opening pocket open to the interior of said water jacket for said cylinder head, an exhaust passage formed integrally with said head in communication with each of said exhaust ports and projecting through each of the last mentioned pockets in spaced relation to the side walls thereof, and said cylinder head having a passage therein adjacent the bottom of each of the last mentioned pockets affording a flow of cooling medium between the water jacket for said cylinder head and the water jacket for said cylinder block.

2,243,819
INTERNAL COMBUSTION ENGINE
Karl L. Herrmann, South Bend, Ind.
Original application May 14, 1937, Serial No. 142,653. Divided and this application May 6, 1940, Serial No. 333,518
13 Claims. (Cl. 123—196)



1. In an internal combustion engine of the class having a central drive shaft extending longitudinally thereof, duplicate blocks of cylinders at each end of the engine, each cylinder block having the cylinders thereof arranged with their axes parallel to said shaft and in a circle about the shaft, a piston in each of said cylinders, and means including a cam on said shaft forming an operative connection between the piston and the shaft for effecting rotation of the shaft upon reciprocation of the pistons, the combination with the shaft of a radial shoulder thereon at each side of said cam, a shoulder on each said cylinder block in opposed relation with respect to the shoulder on the corresponding side of said cam, and a thrust bearing arranged between each of said opposed pair of shoulders, means for feeding oil along said shaft to each of said thrust bearings, and said thrust bearings being positioned to discharge lubricant therefrom to said pistons and to said connections between said pistons and said cam.

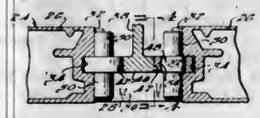
2,243,820
INTERNAL COMBUSTION ENGINE
Karl L. Herrmann, South Bend, Ind.
Application September 25, 1940, Serial No. 358,240
7 Claims. (Cl. 74—56)



1. In an engine of the class wherein a group of cylinders are arranged about each end of a rotatable power shaft with their axes parallel to said shaft and each cylinder of each group is aligned with and opposed to a cylinder of the other group, a double ended piston is reciprocably received by each opposed pair of cylinders, and an axial cam is fixed to the power shaft and is provided with curved cam faces on axially opposite sides of the rim portion thereof for cooperative engagement with the pistons, the combination with said pistons and cam of a roller rotatably carried by each of said pistons on each

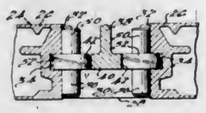
side of said cam for engagement with the corresponding cam face of said cam, said rollers having crowned peripheries, at least one of said rollers contacting its corresponding cam surface at a different radial distance from the axis of said power shaft than the point of contact of another of said rollers with the same cam face.

2,243,821
INTERNAL COMBUSTION ENGINE
Karl L. Herrmann, South Bend, Ind.
Application September 25, 1940, Serial No. 358,241
8 Claims. (Cl. 74—56)



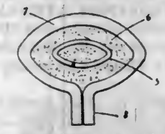
1. In an engine of the class wherein a group of cylinders are arranged about each end of a rotatable power shaft with their axes parallel to said shaft and each cylinder of each group is aligned with and opposed to a cylinder of the other group, a double ended piston is reciprocably received by each opposed pair of cylinders, and an axial cam is fixed to the power shaft and is provided with curved cam faces on axially opposite sides of the rim portion thereof for cooperative engagement with the pistons, the combination with said pistons and cam of a roller rotatably carried by each of said pistons on each side of said cam for engagement with the corresponding cam face of said cam, at least one of said rollers comprising a central supporting portion and a rim portion mounted on said supporting portion for swivelable movement with respect thereto.

2,243,822
INTERNAL COMBUSTION ENGINE
Karl L. Herrmann, South Bend, Ind.
Application September 25, 1940, Serial No. 358,242
8 Claims. (Cl. 74—56)



1. In an engine of the class wherein a group of cylinders are arranged about each end of a rotatable power shaft with their axes parallel to said shaft and each cylinder of each group is aligned with and opposed to a cylinder of the other group, a double ended piston is reciprocably received by each opposed pair of cylinders, and an axial cam is fixed to the power shaft and is provided with curved cam faces on axially opposite sides of the rim portion thereof for cooperative engagement with the pistons, the combination with said pistons and cam of a roller rotatably carried by each of said pistons on each side of said cam for engagement with the corresponding cam face of said cam, said rollers having crowned peripheries so constructed and arranged that the path of contact between a roller and its cooperating cam face varies radially with respect to the axis of said power shaft during relative rotation of said roller on said cam face.

2,243,823
TUBULAR ELECTRIC RESISTANCE HEATING ELEMENT
Christian Bergh Backer, Bromley, England
Application January 30, 1939, Serial No. 253,526
In Great Britain February 1, 1938
1 Claim. (Cl. 201—64)

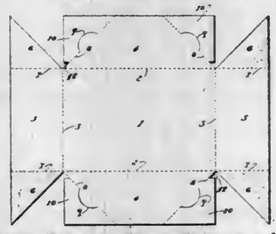


The method of making an electric heating element which consists in bending two opposite edges of a sheet of metal to form a flange portion on each edge, bending the portion of the sheet between said flanges into tubular form to provide an outwardly projecting rib by contacting said flanges throughout their length, securing the flanges together to produce stiffness of the finished tube, disposing a heating conductor within the tubular portion, packing insulating material around the conductor and bending the tubular portion to form a heating element.

2,243,824
TREATMENT OF HYDROCARBON OILS
Wayne L. Benedict and Jacob Elston Ahlberg, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 22, 1939
Serial No. 263,416
6 Claims. (Cl. 196—30)

1. A process for refining hydrocarbon distillate which comprises sweetening said distillate with a copper-containing reagent, separating the distillate, treating said distillate in the presence of a heavy metal sulfosilicate to remove copper therefrom, and recovering the sweet gasoline.

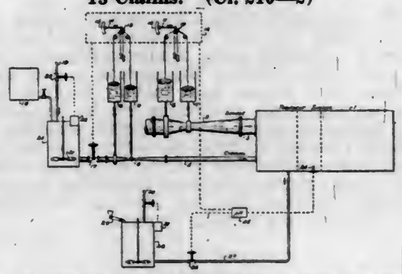
2,243,825
PAPER BOX
Clifford Holtkamp, Cincinnati, Ohio, assignor to The C. W. Zumbiel Company, Cincinnati, Ohio, a corporation of Ohio
Application April 27, 1939, Serial No. 270,359
2 Claims. (Cl. 229—32)



2. A collapsible box formed from a blank having fold lines defining a rectangular base panel, side and end wall panels secured to said base along said fold lines, each end of the side panels having a centrally interrupted diagonal fold line defining a folding portion, each fold line terminating at its respective adjacent corner of the base panel, each interrupted portion of each fold line having its adjacent ends connected by a slit extending into said foldable portion, said slits defining non-folding projecting tabs, the end wall panels having a tab at each end thereof, each secured to the foldable portion of an ad-

joining side wall panel, foldable therewith and in an erected position of the wall panels covering one side of the non-folding tab.

2,243,826
METHOD AND APPARATUS FOR TREATING SEWAGE AND INDUSTRIAL WASTE
Aage F. Nielsen, Red Bank, and William L. Paulison, Jr., Ridgewood, N. J.; said Paulison assignor to Bailey Meter Company, a corporation of Delaware
Application July 8, 1936, Serial No. 89,576
13 Claims. (Cl. 210—2)

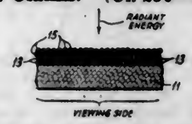


1. A method of treating sewage and industrial waste comprising introducing thereto a chemical coagulant in predetermined proportion, and modifying such proportionality through an established time cycle.

2,243,827
ZINC ALLOY
Richard Schulze, Berlin-Mariendorf, Germany, assignor to General Electric Company, a corporation of New York
No Drawing. Application August 23, 1940, Serial No. 353,955. In Germany November 3, 1939
3 Claims. (Cl. 75—178)

1. A zinc alloy containing about 0.1 to 0.2% silver, a trace and up to about 0.35% manganese, about 0.4 to about 1% aluminum and about 0.5% copper with the remainder substantially all zinc.

2,243,828
LUMINESCENT SCREEN
Humboldt W. Leverenz, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 25, 1938, Serial No. 236,909
17 Claims. (Cl. 250—80)



8. A fluorescent screen comprising a support surface, a layer of a phosphor having appreciable visible light absorption in contact with the support surface, and a layer of a phosphor having substantially no visible light absorption positioned upon the first named layer.

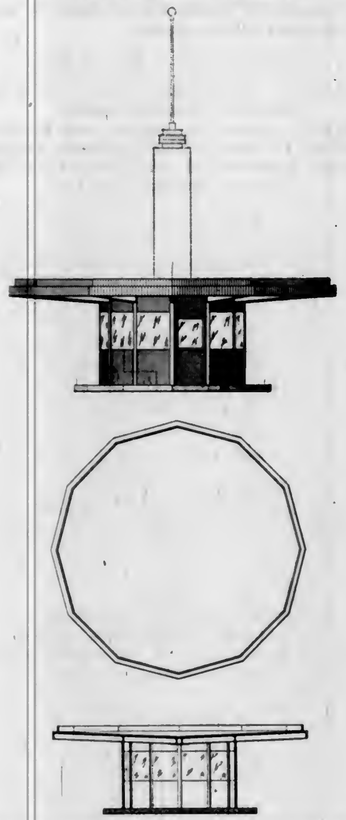
DESIGNS
MAY 27, 1941

127,438
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gildo Capellazzi, Brooklyn, N. Y.
Application April 16, 1941, Serial No. 100,399
Term of patent 3½ years



The ornamental design for a brooch or similar article, as shown.

127,439
DESIGN FOR A BUILDING
Arthur J. Fisher, Sacramento, Calif.
Application March 3, 1941, Serial No. 99,298
Term of patent 14 years



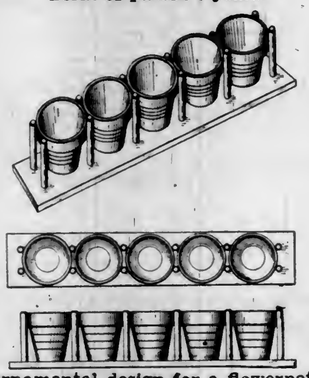
The ornamental design for a building, as shown and described.

127,440
DESIGN FOR A CROCHETED BADGE
Nellie Barrow Jackson, New York, N. Y.
Application May 15, 1940, Serial No. 92,382
Term of patent 7 years



The ornamental design for a crocheted badge, as shown.

127,441
DESIGN FOR A FLOWERPOT ASSEMBLY
Clarence W. Jorgensen, Chicago, Ill.
Application August 26, 1940, Serial No. 94,623
Term of patent 7 years



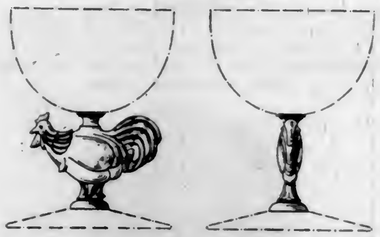
The ornamental design for a flowerpot assembly, substantially as shown and described.

127,442
DESIGN FOR A JEWELRY FINDING
Solomon Kaufman, New York, N. Y., assignor to Frank Morrow Co., Inc., Providence, R. I., a corporation of Rhode Island
Application April 10, 1941, Serial No. 100,290
Term of patent 3½ years



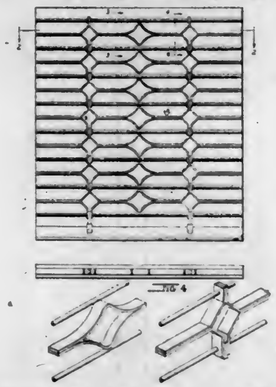
The ornamental design for a jewelry finding, substantially as shown.

127,443
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Harry Marks, Lawrence, N. Y.
Application March 24, 1941, Serial No. 99,829
Term of patent 3½ years



The ornamental design for a goblet or similar article, as shown and described.

127,444
DESIGN FOR A GRILLE
Edward H. McCloud, Columbus, Ohio, assignor to The Kinnear Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application November 22, 1940, Serial No. 96,733
Term of patent 14 years



The ornamental design for a grille, substantially as shown.

127,445
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Charles E. Pauzat, New York, N. Y., assignor to Cohn & Rosenberger Inc., New York, N. Y., a corporation of New York
Application April 19, 1941, Serial No. 100,507
Term of patent 3½ years



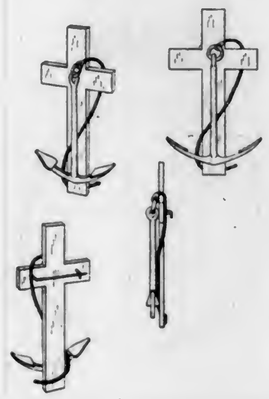
The ornamental design for a brooch or similar article, substantially as shown.

127,446
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y., a corporation of New York
Application April 16, 1941, Serial No. 100,398
Term of patent 3½ years



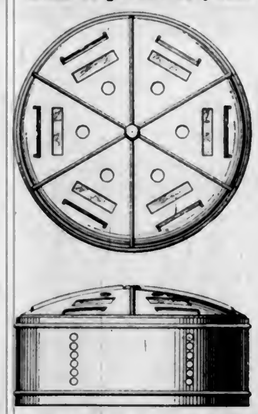
The ornamental design for a brooch or similar article, substantially as shown.

127,447
DESIGN FOR A BADGE
Eva Bradley, Arlene R. Adkin, and Joseph B. Clearihue, Victoria, British Columbia, Canada
Application February 11, 1941, Serial No. 98,918
Term of patent 7 years



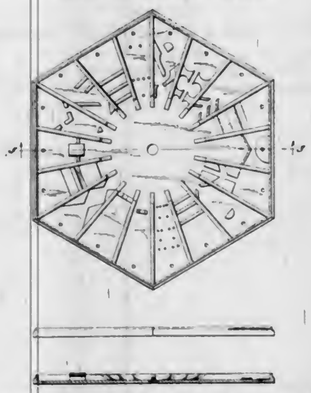
The ornamental design for a badge, as shown.

127,448
DESIGN FOR A COIN BANK OR SIMILAR ARTICLE
Claude Collier, New York, N. Y.
Application March 21, 1941, Serial No. 99,756
Term of patent 14 years



The ornamental design for a coin bank or similar article, substantially as shown.

127,449
DESIGN FOR A GAME BOARD
Willis H. Frost, Jamaica, N. Y.
Application March 5, 1941, Serial No. 99,369
Term of patent 7 years



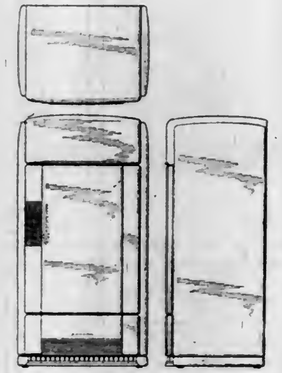
The ornamental design for a game board, as shown.

127,450
DESIGN FOR A BROOCH
Irving Goldberg, Brooklyn, N. Y.
Application February 18, 1941, Serial No. 99,072
Term of patent 3½ years



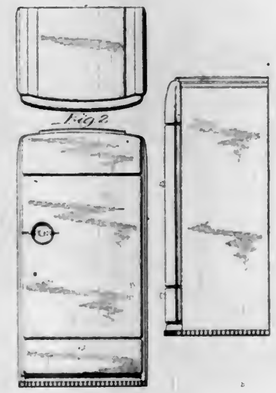
The ornamental design for a brooch, as shown.

127,451
DESIGN FOR A REFRIGERATOR CABINET
Clare E. Hodgman, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application March 8, 1941, Serial No. 99,419
Term of patent 7 years



The ornamental design for a refrigerator cabinet, as shown.

127,452
DESIGN FOR A REFRIGERATOR CABINET
Clare E. Hodgman, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application March 8, 1941, Serial No. 99,420
Term of patent 7 years



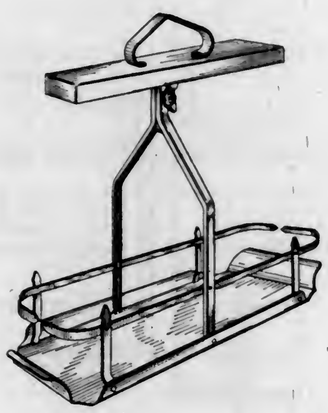
The ornamental design for a refrigerator cabinet, as shown.

127,453
DESIGN FOR A TEAKETTLE OR SIMILAR ARTICLE
Nicholas W. Keller, Arnold, Pa., assignor to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania
Application March 29, 1941, Serial No. 99,996
Term of patent 7 years



The ornamental design for a teakettle or similar article, substantially as shown.

127,454
DESIGN FOR A SERVING TRAY
David Levin, Brooklyn, N. Y.
Application April 12, 1941, Serial No. 100,352
Term of patent 3½ years



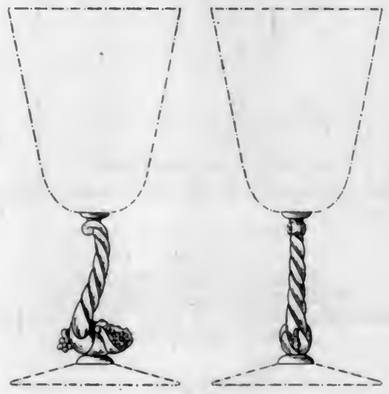
The ornamental design for a serving tray, as shown and described.

127,455
DESIGN FOR A SLIP
Joseph T. Malouf, San Francisco, Calif.
Application March 14, 1941, Serial No. 99,591
Term of patent 7 years



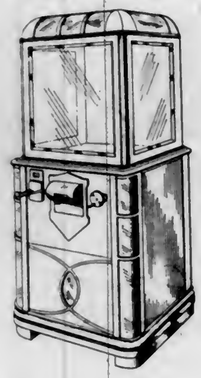
The ornamental design for a slip, substantially as shown.

127,456
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Harry Marks, Lawrence, N. Y.
Application March 24, 1941, Serial No. 99,830
Term of patent 3½ years



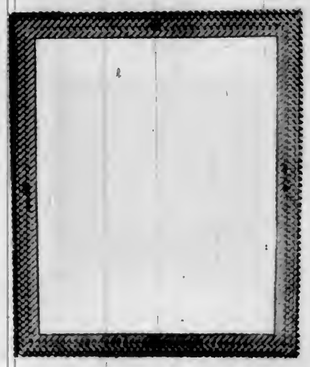
The ornamental design for a goblet or similar article, as shown and described.

127,457
DESIGN FOR AN AMUSEMENT MACHINE CABINET
John F. Meyer, Chicago, Ill., assignor to Exhibit Supply Company, Chicago, Ill., a corporation of Illinois
Application March 3, 1941, Serial No. 99,302
Term of patent 7 years

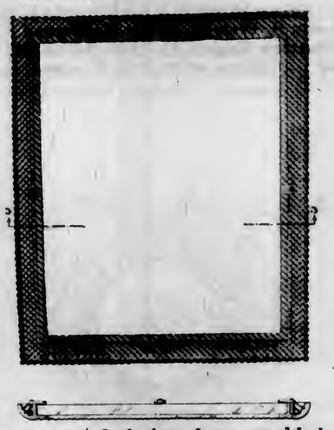


The ornamental design for an amusement machine cabinet, as shown.

127,458
DESIGN FOR A MOLDED FRAME FOR PICTURES AND LIKE ARTICLES
John H. Scott, Jr., Rockville Centre, and Wallace J. Hardgrove, Jr., Freeport, N. Y.
Application February 26, 1941, Serial No. 99,220
Term of patent 7 years

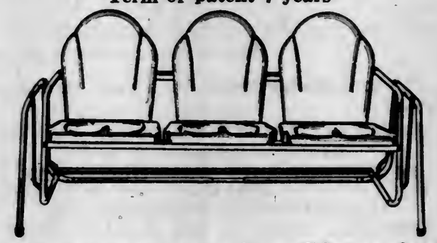


127,458—Continued



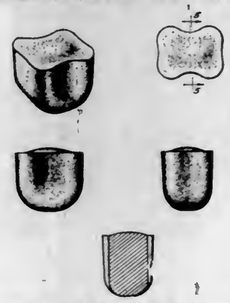
The ornamental design for a molded frame for pictures and like articles, as shown.

127,459
DESIGN FOR A GLIDER
William I. Smith, Goshen, Ind., assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application January 4, 1941, Serial No. 97,814
Term of patent 7 years



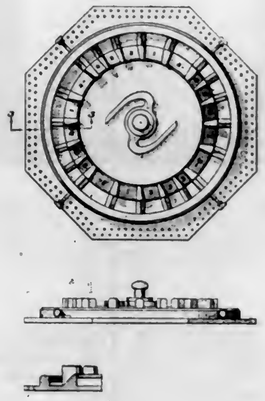
The ornamental design for a glider, as shown and described.

127,460
DESIGN FOR A CONFECTIONERY PRODUCT
Norman M. Thomas, Medford, N. J., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application November 20, 1940, Serial No. 96,708
Term of patent 14 years



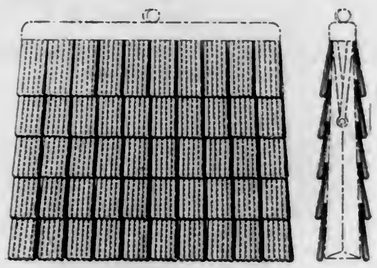
The ornamental design for a confectionery product, substantially as shown.

127,461
DESIGN FOR A GAME DEVICE
Myron S. Wright, North Hollywood, Calif.
Application August 22, 1940, Serial No. 94,553
Term of patent 7 years



The ornamental design for a game device, as shown.

127,462
DESIGN FOR A HANDBAG OR SIMILAR ARTICLE
Charles G. Lewine, Philadelphia, Pa.
Application October 22, 1940, Serial No. 96,002
Term of patent 3½ years



The ornamental design for a handbag or similar article, substantially as shown and described.

127,463
DESIGN FOR A REVERSIBLE DENTAL RETRACTOR
Herman Richard Nerbas, Roseburg, Oreg.
Application September 14, 1940, Serial No. 95,049
Term of patent 7 years



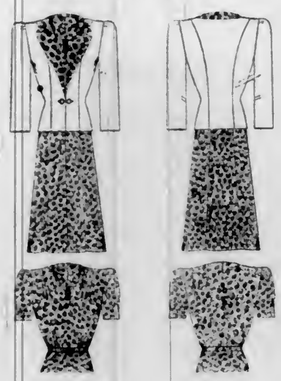
The ornamental design for a reversible dental retractor, as shown.

127,464
DESIGN FOR A PIN
James J. Poland, Providence, R. I., assignor to Goldstein-Poland Co., Inc., Providence, R. I., a corporation of Rhode Island
Application April 8, 1941, Serial No. 100,228
Term of patent 3½ years



The ornamental design for a pin or similar article, substantially as shown.

127,465
DESIGN FOR A DRESS ENSEMBLE
Arthur Rosen, New York, N. Y.
Application February 20, 1941, Serial No. 99,147
Term of patent 3½ years



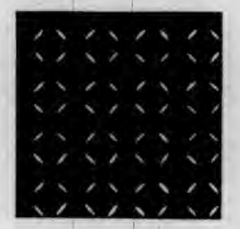
The ornamental design for a dress ensemble, as shown.

127,466
DESIGN FOR A FINGER RING
Abraham Sager, Chicago, Ill.
Application February 28, 1941, Serial No. 99,267
Term of patent 14 years



The ornamental design for a finger ring, as shown and described.

127,467
DESIGN FOR A TEXTILE FABRIC
Sylvia Sherman, New York, N. Y.
Application April 28, 1941, Serial No. 100,639
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

127,468
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Ernest Steiner, New York, N. Y.
Application December 3, 1940, Serial No. 97,018
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

127,469
DESIGN FOR A COMBINED SACHET BALL AND HOLDERS THEREFOR
Jean E. Vivaudou, New York, N. Y.
Application January 31, 1941, Serial No. 98,618
Term of patent 3½ years



The ornamental design for a combined sachet ball and holders therefor, as shown.

127,470
DESIGN FOR A HOSE COUPLING
Lester A. Carlson, Pittsburgh, Pa., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 5, 1941, Serial No. 99,362
Term of patent 14 years



The ornamental design for a hose coupling, substantially as shown.

127,471
DESIGN FOR A STOVE
Edward M. Douthat, Kansas City, Mo., assignor to Locke Stove Company, Kansas City, Mo., a corporation of Missouri
Application March 12, 1941, Serial No. 99,528
Term of patent 7 years



The ornamental design for a stove, as shown and described.

127,472
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC OR SIMILAR ARTICLE
Ernest W. Freudenberg, Larchmont, N. Y.
Application March 29, 1941, Serial No. 99,990
Term of patent 3½ years



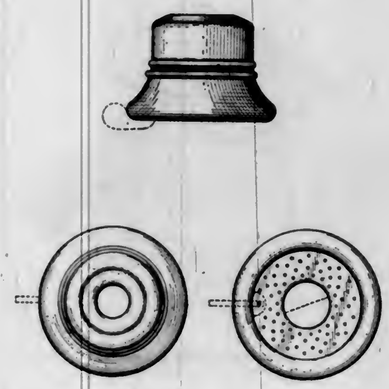
The ornamental design for an embroidered textile fabric or similar article, as shown.

127,473
DESIGN FOR A GLASS STATUETTE OR ARTICLE OF SIMILAR NATURE
T. Clarence Heisey, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a corporation of Ohio
Application March 18, 1941, Serial No. 99,672
Term of patent 7 years



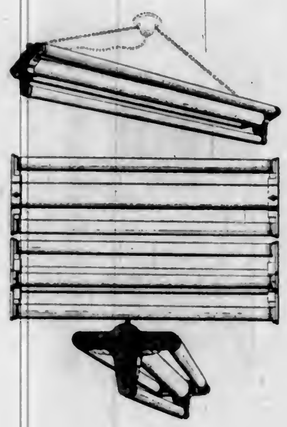
The ornamental design for a glass statuette or article of similar nature, substantially as shown.

127,474
DESIGN FOR A FAUCET STRAINER
Orloff W. Holden, Chicago, Ill., assignor to Knickerbocker Rubber Company, Chicago, Ill., a corporation of Illinois
Application February 6, 1941, Serial No. 98,794
Term of patent 14 years



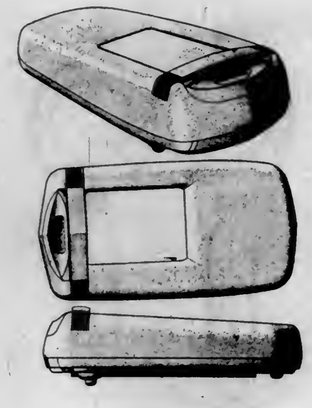
The ornamental design for a faucet strainer, substantially as shown.

127,475
DESIGN FOR AN ELECTRIC LIGHT FIXTURE
Samuel G. House, Miami, Fla., assignor to Robert J. Boone, Miami, Fla.
Application January 31, 1941, Serial No. 98,629
Term of patent 14 years



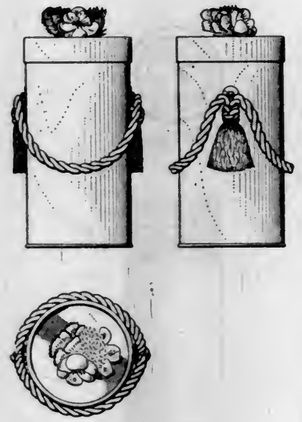
The ornamental design for an electric light fixture, as shown and described.

127,476
DESIGN FOR AN AUTOGRAPHIC REGISTER
Russell Katz, Hamilton, Ohio
Application March 24, 1941, Serial No. 99,814
Term of patent 7 years



The ornamental design for an autographic register, as shown.

127,477
DESIGN FOR A CONTAINER
Guy J. Banta, Los Angeles, Calif.
Application March 12, 1941, Serial No. 99,512
Term of patent 7 years



The ornamental design for a container, as shown.

127,478
DESIGN FOR A BOTTLE
Owsley Brown, Louisville, Ky., assignor to Brown-Forman Distillery Company, Louisville, Ky., a corporation of Delaware
Application March 12, 1940, Serial No. 90,860
Term of patent 14 years



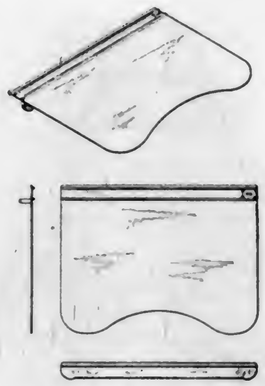
The ornamental design for a bottle, as shown.

127,479
DESIGN FOR A COLOGNE BOTTLE OR SIMILAR ARTICLE
John D. Buckingham, Chicago, Ill., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application December 4, 1940, Serial No. 97,060
Term of patent 3½ years



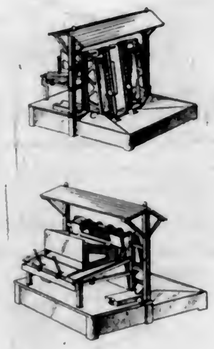
The ornamental design for a cologne bottle or similar article, as shown.

127,480
DESIGN FOR A PORTABLE LAP TABLE
Leonard C. Corcoran, University Heights, Ohio
Application December 4, 1940, Serial No. 97,063
Term of patent 3½ years



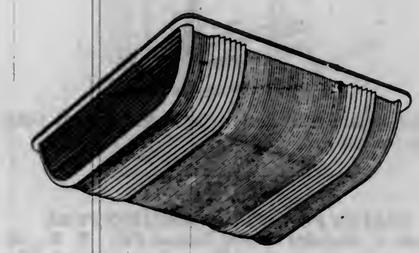
The ornamental design for a portable lap table, as shown.

127,481
DESIGN FOR A TOY LOG LOADING DEVICE
Henry J. Ferri, Port Richmond, Staten Island, N. Y., assignor to The Lionel Corporation, New York, N. Y., a corporation of New York
Application March 4, 1941, Serial No. 99,344
Term of patent 14 years



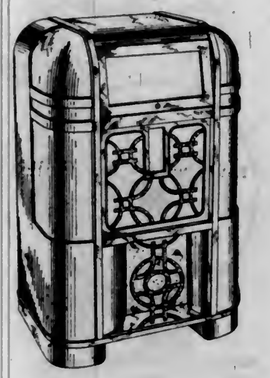
The ornamental design for a toy log loading device, as shown.

127,482
DESIGN FOR A REFRACTING BOWL FOR DIRECT LIGHTING LUMINAIRES
Kurt Franck, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application October 10, 1940, Serial No. 95,751
Term of patent 14 years



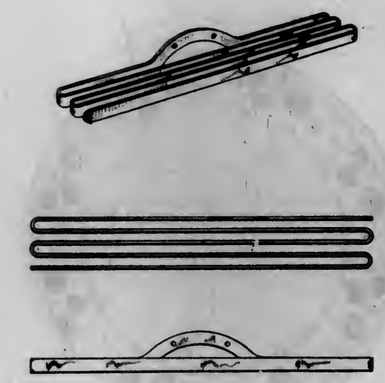
The ornamental design for a refracting bowl for direct lighting luminaires, as shown.

127,483
DESIGN FOR A PHONOGRAPH CABINET
Louis Jacobs, Stevens Point, Wis.
Application August 4, 1940, Serial No. 94,234
Term of patent 3½ years



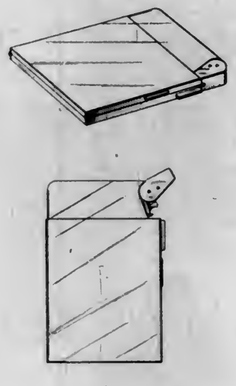
The ornamental design for a phonograph cabinet, as shown and described.

127,484
DESIGN FOR A TROUSERS HANGER
Phillip A. Kilgore, Lynn, Mass.
Application July 24, 1940, Serial No. 93,911
Term of patent 14 years



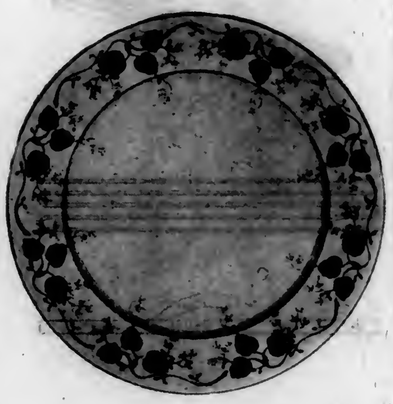
The ornamental design for a trousers hanger, as shown.

127,485
DESIGN FOR A COMBINED CIGARETTE CASE AND LIGHTER
Richard F. Landwehr, Laurelton, N. Y., assignor to Sagamor Metal Goods Corporation, New York, N. Y., a corporation of New York
Application April 5, 1941, Serial No. 100,167
Term of patent 7 years



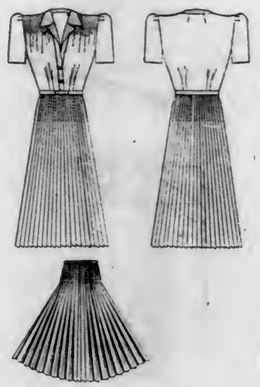
The ornamental design for a combined cigarette case and lighter, substantially as shown.

127,486
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Pascal L'Anglais, New York, N. Y., assignor to Mayer China Company, Beaver Falls, Pa., a corporation of Pennsylvania
Application April 3, 1941, Serial No. 100,115
Term of patent 14 years



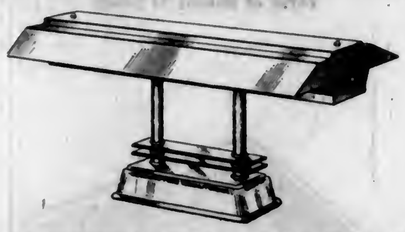
The ornamental design for a plate or similar article, substantially as shown and described.

127,487
DESIGN FOR A DRESS
Florence Laye, New York, N. Y.
Application February 27, 1941, Serial No. 99,248
Term of patent 3½ years



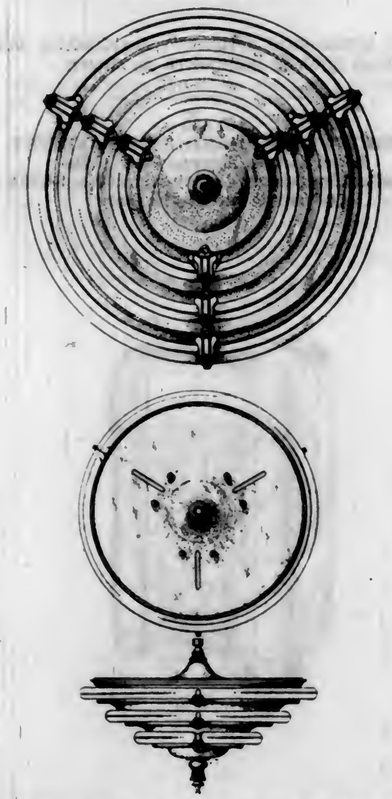
The ornamental design for a dress, as shown.

127,488
DESIGN FOR A FLUORESCENT TABLE LAMP
John F. Livers, Decatur, Ill., assignor to Faries Manufacturing Company, Decatur, Ill., a corporation of Illinois
Application December 21, 1940, Serial No. 97,523
Term of patent 7 years



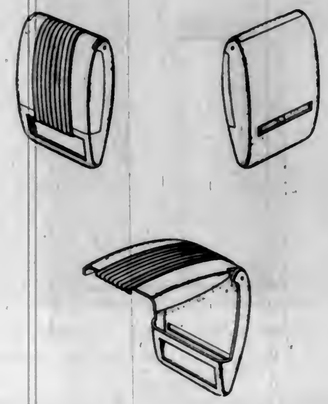
The ornamental design for a fluorescent table lamp, as shown.

127,489
DESIGN FOR A LIGHTING FIXTURE
Joseph J. Mandryl, Long Island City, N. Y., assignor to Circle-Lite Corp., Long Island City, N. Y., a corporation of New York
Application March 24, 1941, Serial No. 99,826
Term of patent 3½ years



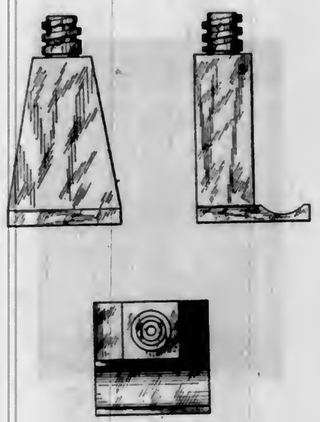
The ornamental design for a lighting fixture, as shown.

127,490
DESIGN FOR A MATCH FOLDER CASE
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application March 25, 1941, Serial No. 99,858
Term of patent 14 years



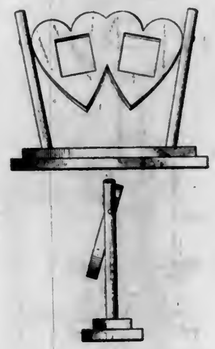
The ornamental design for a match folder case, as shown.

127,491
DESIGN FOR A FINGER-REST CONTAINER
Gustav A. Rechlin, Chicago, Ill.
Application March 11, 1941, Serial No. 99,500
Term of patent 14 years



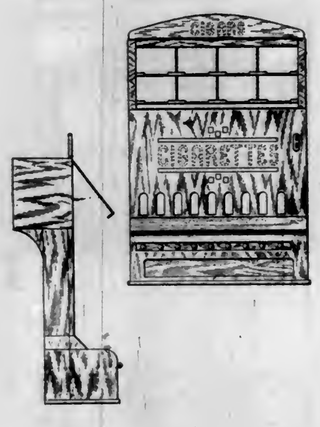
The ornamental design for a finger-rest container, as shown.

127,492
DESIGN FOR A PICTURE FRAME
Gino Sacchetti, Quincy, Mass.
Application February 4, 1941, Serial No. 98,741
Term of patent 7 years



The ornamental design for a picture frame, as shown.

127,492
DESIGN FOR A COMBINATION CIGAR CABINET AND CIGARETTE DISPENSING MACHINE
David Safier, University Heights, Ohio
Application January 23, 1941, Serial No. 98,340
Term of patent 7 years



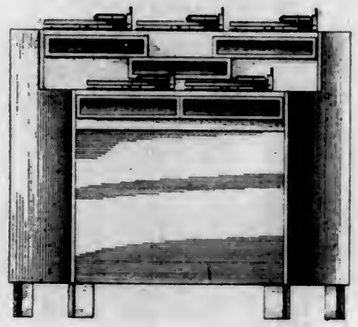
The ornamental design for a combination cigar cabinet and cigarette dispensing machine, substantially as shown.

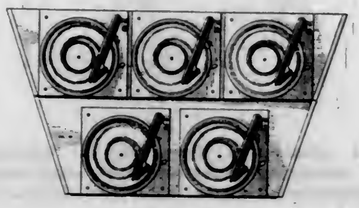
127,494
DESIGN FOR A STOOL
Louis Wesling, Chicago, Ill., assignor to Benjamin Franklin Forsyth, Chicago, Ill.
Application October 21, 1940, Serial No. 95,963
Term of patent 14 years



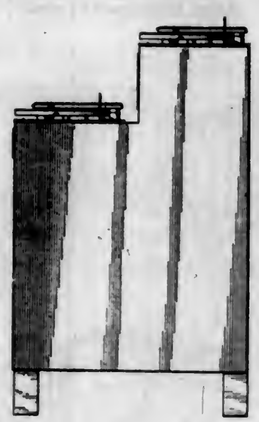
The ornamental design for a stool, as shown.

127,495
DESIGN FOR A MULTIPLE TURNTABLE PHONOGRAPH
Lloyd J. Andres, Chicago, Ill., assignor to Automatic Instrument Company, Grand Rapids, Mich., a corporation of Michigan
Application June 24, 1940, Serial No. 93,221
Term of patent 7 years





127,495—Continued



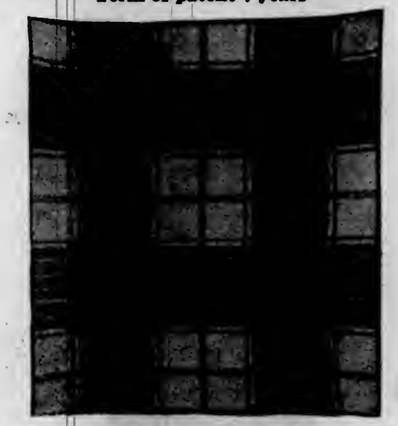
The ornamental design for a multiple turntable phonograph, as shown and described.

127,496
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application April 2, 1941, Serial No. 100,095
Term of patent 7 years



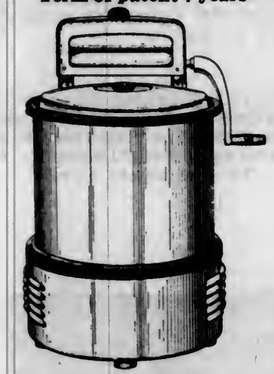
The ornamental design for a textile fabric, substantially as shown.

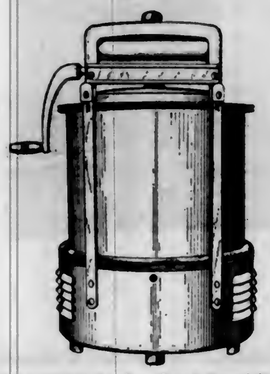
127,497
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application April 8, 1941, Serial No. 100,214
Term of patent 7 years



The ornamental design for a textile fabric, substantially as shown.

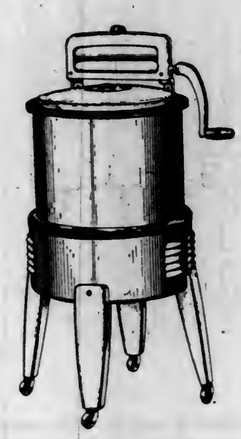
127,498
DESIGN FOR A COMBINED WASHING MACHINE AND WRINGER
Henry J. Goldblatt, Chicago, Ill.
Application June 29, 1940, Serial No. 93,330
Term of patent 7 years

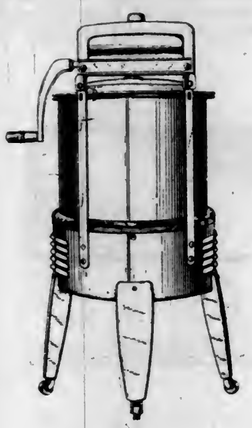




The ornamental design for a combined washing machine and wringer, as shown.

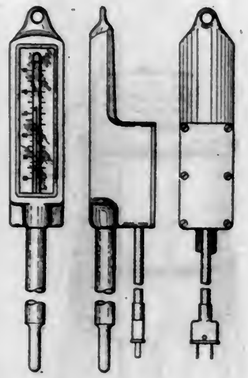
127,499
DESIGN FOR A COMBINED WASHING MACHINE AND WRINGER
Henry J. Goldblatt, Chicago, Ill.
Application June 29, 1940, Serial No. 93,331
Term of patent 7 years





The ornamental design for a combined washing machine and wringer, as shown.

127,500
DESIGN FOR AN ELECTRIC CONTACT THERMOMETER
Ernest J. Heldmann, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application April 4, 1941, Serial No. 100,125
Term of patent 14 years



The ornamental design for an electric contact thermometer, as shown.

127,501
DESIGN FOR A STAMP PAD BOX
Laurence W. Kendrick, Wellesley, Mass., assignor to The Carter's Ink Company, Cambridge, Mass., a corporation of Massachusetts
Application December 19, 1940, Serial No. 97,449
Term of patent 14 years



The ornamental design for a stamp pad box, as shown.

127,502
DESIGN FOR A TEXTILE FABRIC
John L. Koehne, New York, N. Y.
Application April 2, 1941, Serial No. 100,092
Term of patent 7 years



The ornamental design for a textile fabric, substantially as shown.

127,503
DESIGN FOR A TEXTILE FABRIC
John L. Koehne, New York, N. Y.
Application April 2, 1941, Serial No. 100,093
Term of patent 7 years



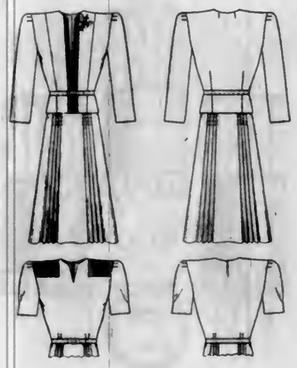
The ornamental design for a textile fabric, substantially as shown.

127,504
DESIGN FOR A TEXTILE FABRIC
John L. Koehne, New York, N. Y.
Application April 2, 1941, Serial No. 100,094
Term of patent 7 years



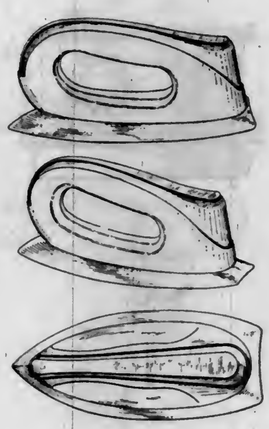
The ornamental design for a textile fabric, substantially as shown.

127,505
DESIGN FOR A DRESS ENSEMBLE
Arthur Rosen, New York, N. Y.
Application February 20, 1941, Serial No. 99,145
Term of patent 3½ years



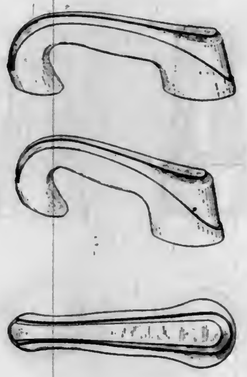
The ornamental design for a dress ensemble, as shown.

127,506
DESIGN FOR AN ELECTRIC IRON HANDLE
William J. Russell, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application February 26,1941, Serial No. 99,216
Term of patent 14 years



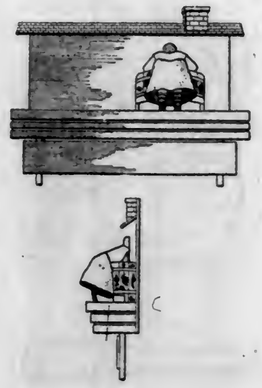
The ornamental design for an electric iron handle, substantially as shown.

127,507
DESIGN FOR AN ELECTRIC IRON HANDLE
William J. Russell, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application February 26, 1941, Serial No. 99,215
Term of patent 14 years



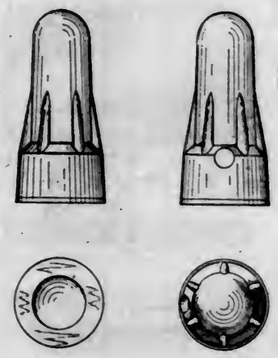
The ornamental design for an electric iron handle, substantially as shown and described.

127,508
DESIGN FOR AN ADVERTISING DISPLAY SIGN
Willard J. Ross, Los Angeles, Calif.
Application March 26, 1941, Serial No. 99,918
Term of patent 14 years



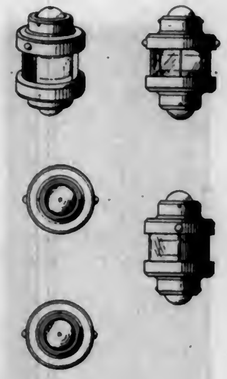
The ornamental design for an advertising display sign, as shown.

127,509
DESIGN FOR A BATTERY TERMINAL CONNECTOR
Richard E. Sears and John O. Cleveland, Cleveland, Ohio, assignors to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application December 4, 1940, Serial No. 97,064
Term of patent 14 years



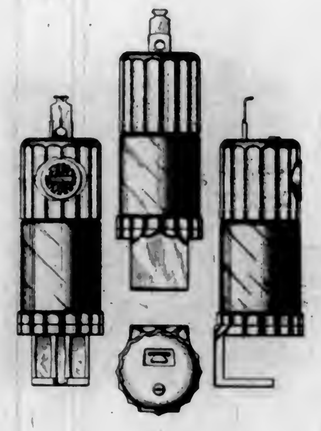
The ornamental design for a battery terminal connector, substantially as shown.

127,510
DESIGN FOR AN AUTO COMPASS
Burl E. Sherrill, Peru, Ind.
Application March 6, 1941, Serial No. 99,376
Term of patent 14 years



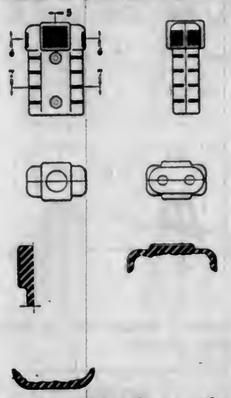
The ornamental design for an auto compass, as shown.

127,511
DESIGN FOR A TELEPHONIC MUSIC SELECTOR APPARATUS
Ken C. Shyvers, Seattle, Wash.
Application February 12, 1941, Serial No. 98,952
Term of patent 14 years



The ornamental design for a telephonic music selector apparatus, substantially as shown.

127,512
DESIGN FOR AN ELECTRICAL APPLIANCE PLUG CONNECTOR
Clifford Brooks Stevens, Fox Point, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application March 3, 1941, Serial No. 99,334
Term of patent 14 years



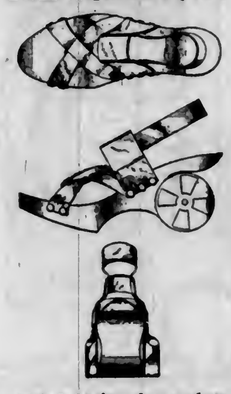
The ornamental design for an electrical appliance plug connector, substantially as shown.

127,513
DESIGN FOR A MANICURE CASE
Hamilton C. Bates, Chester, Conn.
Application April 8, 1941, Serial No. 100,232
Term of patent 3½ years



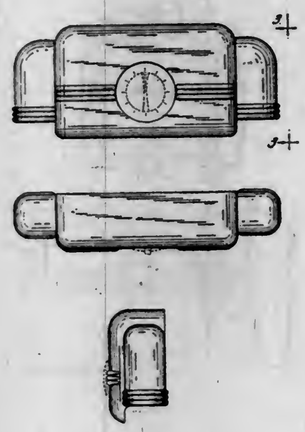
The ornamental design for a manicure case, as shown and described.

127,514
DESIGN FOR A SHOE
Gus E. Bergman, Columbus, Nebr.
Application March 19, 1941, Serial No. 99,701
Term of patent 7 years



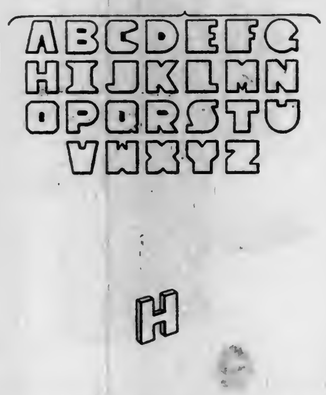
The ornamental design for a shoe, as shown.

127,515
DESIGN FOR A COMBINED LAMP, TIMER, AND CONDIMENT HOLDERS FOR RANGES
William T. Bradbury, Millersport, Ohio, assignor to Newark Stove Company, Newark, Ohio, a corporation of Ohio
Application October 9, 1940, Serial No. 95,703
Term of patent 7 years



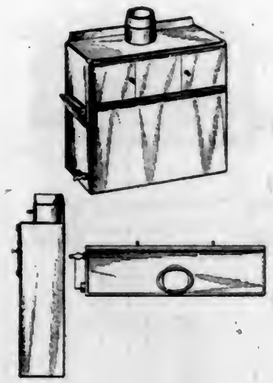
The ornamental design for a combined lamp, timer, and condiment holders for ranges, substantially as shown and described.

127,516
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR SIMILAR ARTICLES
Michael Chernow, New York, N. Y.
Application March 17, 1941, Serial No. 99,648
Term of patent 14 years



The ornamental design for an alphabet for forming monograms or similar articles, substantially as shown.

127,517
DESIGN FOR A COMBINATION DOMESTIC WATER HEATER AND FOOD WARMER
Mary A. Fowler, Richmond, Va.
Application January 7, 1941, Serial No. 97,845
Term of patent 3½ years



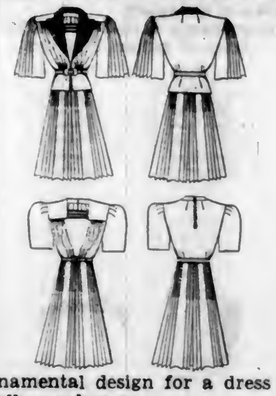
The ornamental design for a combination domestic water heater and food warmer, as shown.

127,518
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC OR SIMILAR ARTICLE
Otto Hallbauer, West Englewood, N. J.
Application April 19, 1941, Serial No. 100,512
Term of patent 3½ years



The ornamental design for an embroidered textile fabric or similar article, substantially as shown.

127,519
DESIGN FOR A DRESS ENSEMBLE
Etta Marcus Horblit, Roxbury, Mass.
Application April 14, 1941, Serial No. 100,377
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

127,520
DESIGN FOR A PLASTIC KNIFE
Joseph D. Kevorkian, Philadelphia, Pa.
Application January 22, 1941, Serial No. 98,271
Term of patent 7 years



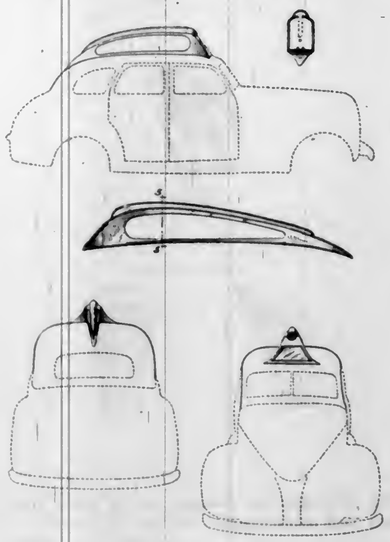
The ornamental design for a plastic knife, substantially as shown.

127,521
DESIGN FOR A TIRE
Walter J. Lee, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application March 13, 1941, Serial No. 99,556
Term of patent 14 years



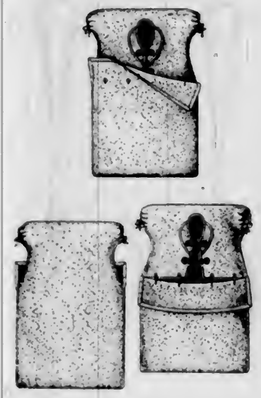
The ornamental design for a tire, as shown.

127,522
DESIGN FOR AN AUTOMOBILE BODY
Laurence V. McLauchlin, Detroit, Mich., assignor to National Display Ads, Inc., Madison, Wis., a corporation of Wisconsin
Application July 13, 1940, Serial No. 93,613
Term of patent 14 years



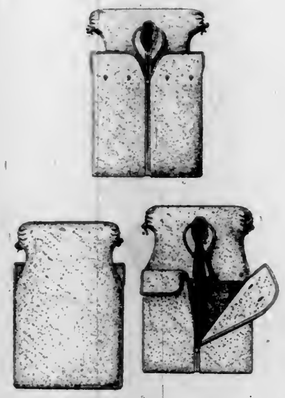
The ornamental design for an automobile body, substantially as shown and described.

127,523
DESIGN FOR A CHILD'S SLEEPING BAG OR SIMILAR ARTICLE
Louis Segerman, Brooklyn, N. Y.
Application March 25, 1941, Serial No. 99,865
Term of patent 14 years



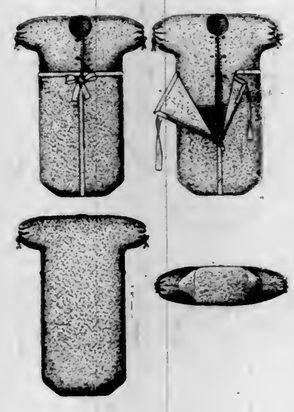
The ornamental design for a child's sleeping bag or similar article, substantially as shown and described.

127,524
DESIGN FOR A CHILD'S SLEEPING BAG OR SIMILAR ARTICLE
Louis Segerman, Brooklyn, N. Y.
Application March 25, 1941, Serial No. 99,866
Term of patent 14 years



The ornamental design for a child's sleeping bag or similar article, substantially as shown and described.

127,525
DESIGN FOR A CHILD'S SLEEPING BAG OR SIMILAR ARTICLE
Louis Segerman, Brooklyn, N. Y.
Application March 31, 1941, Serial No. 100,037
Term of patent 14 years



The ornamental design for a child's sleeping bag or similar article, substantially as shown and described.

127,526
DESIGN FOR A FINGER RING
Herbert J. A. Skipp, East Providence, R. I., assignor to Uncas Manufacturing Company, a corporation of Rhode Island
Application December 27, 1940, Serial No. 97,644
Term of patent 14 years



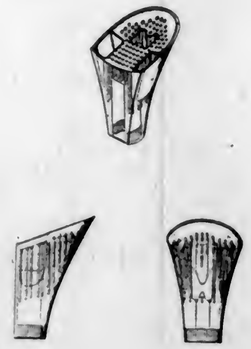
The ornamental design for a finger ring, substantially as shown and described.

127,527
DESIGN FOR A SPOON
Edith Phillips Smith, Berkeley, Calif.
Application December 19, 1939, Serial No. 89,010
Term of patent 14 years



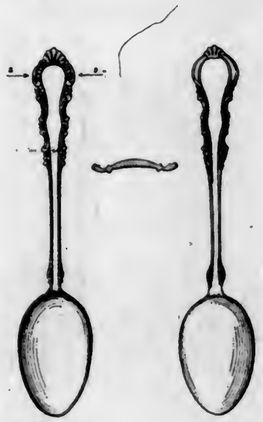
The ornamental design for a spoon, substantially as shown.

127,528
DESIGN FOR A SHOE HEEL
Anthony Terpak, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application September 24, 1940, Serial No. 95,331
Term of patent 14 years



The ornamental design for a shoe heel, as shown and described.

127,529
DESIGN FOR A SPOON OR SIMILAR ARTICLE
George L. Turner, Taunton, Mass., assignor to Reed & Barton, Taunton, Mass., a corporation of Massachusetts
Application February 27, 1941, Serial No. 99,258
Term of patent 14 years



The ornamental design for a spoon or similar article, as shown.

127,530
DESIGN FOR A BLADE FOR PAPER BOX OPENER
Lewis Walters, New York, N. Y.
Application March 14, 1941, Serial No. 99,599
Term of patent 14 years



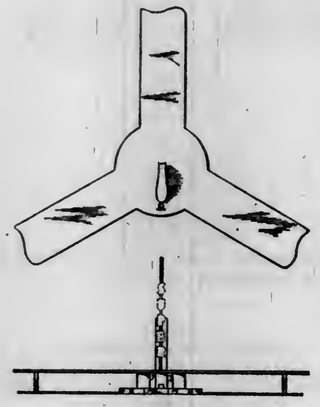
The ornamental design for a blade for paper box opener, as shown.

127,531
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Morris Wolock, New York, N. Y.
Application April 8, 1941, Serial No. 100,209
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

127,532
DESIGN FOR A DRIVE-IN SERVICE BUILDING
Claude S. Eaton, North Hollywood, Calif.
Application February 8, 1941, Serial No. 98,848
Term of patent 3½ years

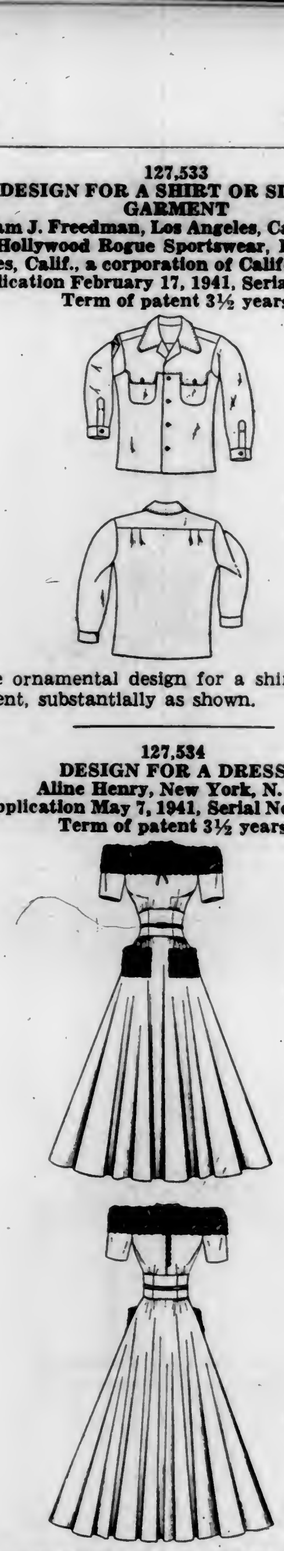


The ornamental design for a drive-in service building, as shown.

127,533
DESIGN FOR A SHIRT OR SIMILAR GARMENT
William J. Freedman, Los Angeles, Calif., assignor to Hollywood Rogue Sportswear, Inc., Los Angeles, Calif., a corporation of California
Application February 17, 1941, Serial No. 99,048
Term of patent 3½ years

The ornamental design for a shirt or similar garment, substantially as shown.

127,534
DESIGN FOR A DRESS
Aline Henry, New York, N. Y.
Application May 7, 1941, Serial No. 100,815
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,535
DESIGN FOR A GLOVE
Julius A. Higier, Johnstown, N. Y.
Application December 30, 1940, Serial No. 97,712
Term of patent 7 years

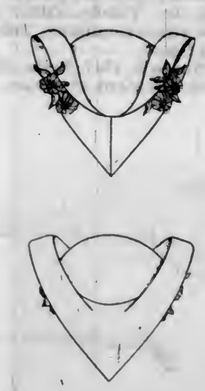


The ornamental design for a glove, substantially as shown and described.

127,536
DESIGN FOR A HAT
Matthew P. Hyland, Rye, N. Y.
Application January 31, 1941, Serial No. 98,565
Term of patent 3½ years



127,536—Continued



The ornamental design for a hat, as shown.

127,537
DESIGN FOR A PIN OR ANALOGOUS ARTICLE
Providence Johnnides, Woodside, Long Island, N. Y.
Application August 6, 1940, Serial No. 94,259
Term of patent 3½ years



The ornamental design for a pin or analogous article, as shown.

127,538
DESIGN FOR A COLLAR
Samuel Kurtz, Great Neck, N. Y.
Application January 17, 1941, Serial No. 98,136
Term of patent 3½ years



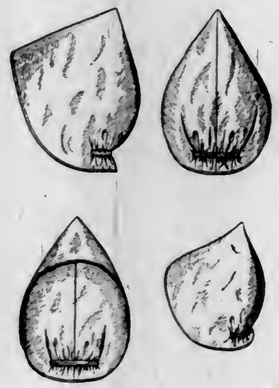
The ornamental design for a collar, as shown and described.

127,539
DESIGN FOR A HAT
Tina Leser, New York, N. Y.
Application March 13, 1941, Serial No. 99,554
Term of patent 3½ years



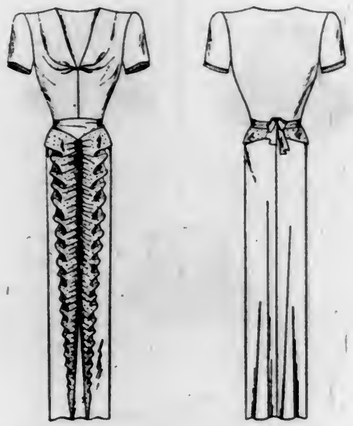
The ornamental design for a hat, as shown and described.

127,540
DESIGN FOR A HAT
Ruth Payne, New York, N. Y.
Application October 9, 1940, Serial No. 95,712
Term of patent 3½ years



The ornamental design for a hat, substantially as shown.

127,541
DESIGN FOR A DRESS
James J. Rothenberg, New York, N. Y.
Application May 3, 1941, Serial No. 100,751
Term of patent 3½ years



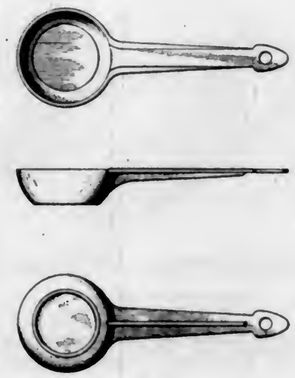
The ornamental design for a dress, as shown.

127,542
DESIGN FOR A DRESS
James J. Rothenberg, New York, N. Y.
Application May 3, 1941, Serial No. 100,752
Term of patent 3½ years



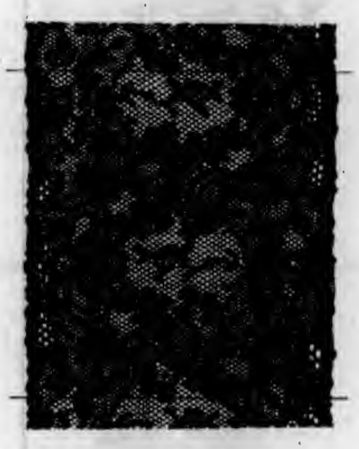
The ornamental design for a dress, as shown.

127,543
DESIGN FOR A SPOON
Bert F. Strand, Jr., Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 3, 1941, Serial No. 99,333
Term of patent 3½ years



The ornamental design for a spoon, substantially as shown.

127,544
DESIGN FOR A LACE
Bert Edson, Pawtucket, R. I.
Application April 28, 1941, Serial No. 100,642
Term of patent 3½ years



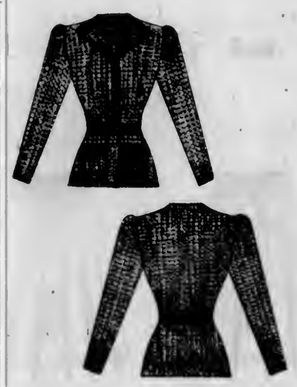
The ornamental design for a lace, as shown and described.

127,545
DESIGN FOR AN EMBROIDERED TRIMMING
Murry Grossman, New York, N. Y.
Application April 8, 1941, Serial No. 100,250
Term of patent 3½ years



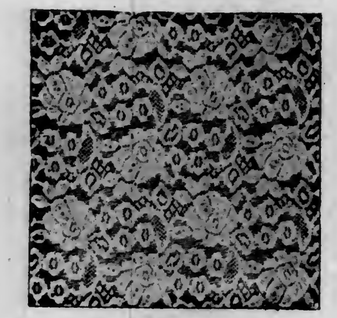
The ornamental design for an embroidered trimming, substantially as shown.

127,546
DESIGN FOR A KNITTED SWEATER
David Rubinstein, New York, N. Y.
Application April 19, 1941, Serial No. 100,501
Term of patent 3½ years



The ornamental design for a knitted sweater, as shown.

127,547
DESIGN FOR A LACE
Joseph A. Sutton, New York, N. Y.
Application April 29, 1941, Serial No. 100,690
Term of patent 3½ years



The ornamental design for a lace, as shown.

127,548
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application May 8, 1941, Serial No. 100,854
Term of patent 3½ years



The ornamental design for a dress or similar article, as shown.

127,549
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application May 8, 1941, Serial No. 100,855
Term of patent 3½ years



The ornamental design for a dress or similar article, as shown.

127,550
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Herman Beispel, New York, N. Y.
Application May 8, 1941, Serial No. 100,856
Term of patent 3½ years



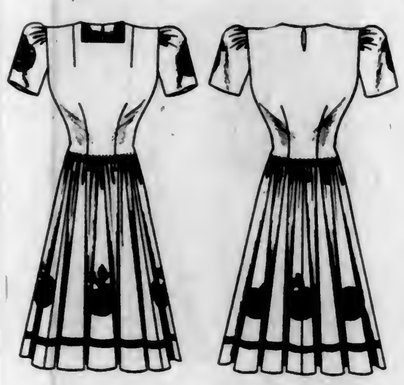
The ornamental design for a dress or similar article, as shown.

127,551
DESIGN FOR A DRESS OR SIMILAR ARTICLE
Max Cohen, Brooklyn, N. Y.
Application May 7, 1941, Serial No. 100,812
Term of patent 3½ years



The ornamental design for a dress or similar article, as shown.

127,552
DESIGN FOR A DRESS
Beatrice Greene, New York, N. Y.
Application May 9, 1941, Serial No. 100,885
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,553
DESIGN FOR A DRESS
Beatrice Greene, New York, N. Y.
Application May 9, 1941, Serial No. 100,886
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,554
DESIGN FOR A DRESS
Philip Kaperst, New York, N. Y.
Application May 7, 1941, Serial No. 100,816
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,555
DESIGN FOR A DRESS
Philip Kaperst, New York, N. Y.
Application May 7, 1941, Serial No. 100,817
Term of patent 3½ years



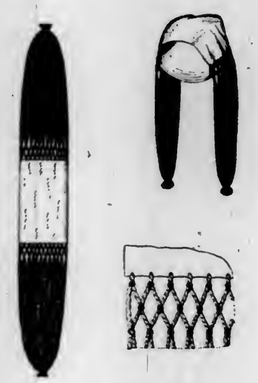
The ornamental design for a dress, substantially as shown.

127,556
DESIGN FOR A DRESS
Clare Potter, West Nyack, N. Y.
Application May 7, 1941, Serial No. 100,814
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,557
DESIGN FOR A HAT OR SIMILAR ARTICLE
Irving H. Ross, Hunter, N. Y., assignor to Debway Hats, Inc., New York, N. Y.
Application February 21, 1941, Serial No. 99,155
Term of patent 3½ years



The ornamental design for a hat or similar article, substantially as shown.

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CONTENTS

	Page
DECISIONS OF THE COMMISSIONER OF PATENTS, June 3, 10, 17, 24	3, 275, 559, 843
TRADE-MARKS PUBLISHED AND REGISTERED, June 3, 10, 17, 24	17, 283, 567, 855
REISSUES, June 3, 10, 17, 24	43, 315, 591, 883
PLANT PATENTS, June 3, 10, 17, 24	45, 316, —, 885
PATENTS, June 3, 10, 17, 24	46, 317, 595, 886
DESIGNS, June 3, 10, 17, 24	246, 531, 817, 1091

ANNOUNCEMENTS

	Page
ADVERSE DECISIONS IN INTERFERENCE	10, 850
APPLICATIONS—Condition of pending	2, 274, 558, 842
BULLETIN OF DECISIONS ON TRADE-MARKS	851
CLASSIFICATION OF INVENTIONS—Changes in—*Order No. 3555*	10
DISCLAIMERS—Bays, George S	1
George, Roscoe H., et al	1
Laing, Gordon F	282
Larison, Glenn L	841
Offen, Bernard	841
Phelan, Louis A. M., et al	841
Powell, Edward R	1
Scheg, Marcian A	1
Sewall, Arthur C	841
Starkey, William C	282
INTERFERENCE NOTICE—Beeston, John Percival	1, 273, 557
PATENT SUITS	9, 281, 565, 849
PATENTS—List of adjudicated	273, 566, 850
TRADE-MARK REGISTRATIONS CANCELLED	557
Notice of cancellation	273, 557, 841

TABLE OF CASES REPORTED

	Page
*Cover *v.* Schwartz	3
*Davidson, In re	279
*Day, In re	848
*Gram *v.* Warner	5
ª Hemphill Company, a corporation of the State of Massachusetts *v.* Coe, Com. of Patents	846
ª Krause *v.* Coe, Com. of Patents	844
ª Levine *v.* Coe, Com. of Patents	843
*Martell & Company *v.* Societe Anonyme de la Benedictine etc., and Societe Anonyme de la Benedictine etc. *v.* Martell and Company	279
*Moeller, In re	559
*Schwarz, In re	562
*Sherman *v.* Johnson	276
*Waldron, In re	561
*Wright, In re	275

[Decisions of the U. S. Court of Appeals for the District of Columbia are indicated by the letter (ª), and of the U. S. Court of Customs and Patent Appeals by a star (*).]

481572

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Allen A Company, The, Bennington, Vt. Knitted and woven underwear. Serial No. 443,103; June 3. Class 39.

Allen, Chester S., Warren, Pa. Lubricating oils and greases. Serial No. 442,224; June 3. Class 15.

Amend, Fred W., Co., Danville, Ill. Candy. Serial Nos. 442,091–2; June 3. Class 46.

American Abrasive Metals Company, New York, N. Y. Plastic wear resisting surfacing compound. Serial No. 442,181; June 3. Class 12.

American Junior Aircraft Company, Portland, Oreg. Toy airplanes and controls therefor. Serial No. 440,032; June 3. Class 22.

American Kleeton Corporation, New York, N. Y. Beach hats. Serial No. 439,983; June 3. Class 39.

American Machine and Foundry Company, New York and Brooklyn, N. Y. Vertical and other mixers for dough-like and other materials, with accessories therefor, etc. Serial No. 432,572; June 3. Class 23.

American Radio Hardware Co. Inc., New York, N. Y. Radio and television hardware. Serial No. 433,371; June 3. Class 21.

American Window Glass Company, Pittsburgh, Pa. Thin glass sheets. Serial No. 441,000; June 3. Class 33.

Associated Retail Millinery, Inc., Dallas, Tex. Hats for women. Serial No. 441,561; June 3. Class 39.

Austenal Laboratories, Inc., New York, N. Y. Wire, wire mesh, sheet metal rods, etc. Serial No. 441,223; June 3. Class 14.

Austenal Laboratories, Inc., New York, N. Y. Artificial teeth, dentures, and denture parts. Serial No. 441,225; June 3. Class 44.

B. B. Chemical Co., Boston, Mass. Wax. Serial No. 439,615; June 3. Class 4.

Babson Bros. Co., Chicago, Ill. Pumps and stationary equipment for automatically spraying cows. Serial No. 439,189; June 3. Class 23.

Bamberger, L., & Co., Newark, N. J. Sun lotion. Serial No. 442,880; June 3. Class 6.

Bates Manufacturing Company, The, West Orange, N. J. Containers with covers carrying memorandum or note pads. Serial No. 437,401; June 3, Class 37.

Baumritter, T., Co. Inc., New York, N. Y. Utility tables with adjustable top. Serial No. 442,298; June 3. Class 32.

Bay State Optical Company, Attleboro, Mass. Ophthalmic mountings. Serial No. 441,993; June 3. Class 26.

Bay West Paper Company, Green Bay, Wis. Cleaner and film remover. Serial No. 441,996; June 3. Class 4.

Bellin's Wonderstoen Co., Inc., New York, N. Y. Foot bubble bath preparation. Serial No. 442,185; June 3. Class 6.

Bemis, Kenneth E., Oakland, Calif. Meat and cheese sandwiches. Serial No. 442,160; June 3. Class 46.

Benaris-Syropac. (See Bernardi, Giacomo.)

Bendix, Jacob, New York, N. Y. Compound used in finishing of textile fabrics, etc. Serial No. 442,984; June 3. Class 6.

Benrus Watch Co., Inc., New York, N. Y. Watches and watches and attached bracelets. Serial No. 438,973; June 3. Class 27.

Bernardi, Giacomo, doing business as Benaris-Syropac, Cleveland, Ohio. Preparations used in the treatment of coughs, etc. Serial No. 441,757; June 3. Class 6.

Blickman, S., Inc., Weehawken, N. J. Urns for heating and storing coffee, hot water, etc. Serial No. 441,663; June 3. Class 50.

Botany Worsted Mills, Passaic, N. J. Machine woolen and worsted knitting yarn. Serial No. 442,056; June 3. Class 43.

Braukman, Theodore H., doing business as Plastic Products Co., Denver, Colo. Activated carbon packaged for odor absorption. Serial No. 442,443; June. Class 6.

Bright, James J., & Son, Detroit, Mich. Gasoline. Serial No. 440,772; June 3. Class 15.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Toilet seats. Serial No. 442,105; June 3. Class 13.

Capitol Tire & Rubber Co., Inc., Boston, Mass. Petroleum products. Serial No. 442,001; June 3. Class 15.

Carolene Products Company, Litchfield, Ill. Combination of evaporated skimmed milk and vegetable oil. Serial No. 440,742; June 3. Class 46.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 442,689; June 3. Class 42.

Celia Wine Company, Fresno, Calif. Wines. Serial No. 437,269; June 3. Class 47.

Chipman's, Chas., Sons Co., Inc., New York, N. Y. Hosiery. Serial No. 439,887; June 3. Class 39.

Christiansburg Canning Co., Inc., Pulaski, Va. Wheat flour. Serial No. 440,114; June 3. Class 46.

Cincinnati Ball Crank Co., The, Cincinnati, Ohio. Lubrication equipment. Serial No. 442,060; June 3. Class 23.

Craddock-Terry Shoe Corporation, Lynchburg, Va. Women's leather and fabric shoes. Serial No. 442,110; June 3. Class 39.

Cribari, B., & Sons, New York, N. Y., assignor to B. Cribari & Sons, Inc., Madrone, Calif. Wines. Serial No. 388,918; June 3. Class 47.

Crysler Products Corp., New York, N. Y. Ladies', misses', and children's hoods, hats, collars, etc. Serial No. 440,805; June 3. Class 39.

Curtis Lighting, Inc., Chicago, Ill. Electric lighting fixtures. Serial No. 433,889; June 3. Class 21.

Dangerfield and Lloyd, Neath, Wales. Machinery for producing corrugated sheets. Serial No. 422,481; June 3. Class 23.

Dento-Pharma Mfg. Co. (See Lewin, John I.)

Dietzgen, Eugene, Co., Chicago, Ill. Materials and supplies for the production and reproduction of prints, drawings, etc. Serial No. 405,873; June 3. Class 26.

Di Frances, Anthony, Milwaukee, Wis. Hair tonic. Serial No. 442,933; June 3. Class 6.

Eastman Kodak Company, Rochester, N. Y. Terminal and switch box for electric flood lights, flash lighting apparatus, etc. Serial No. 427,013; June 3. Class 21.

Eastman Kodak Company, Rochester, N. Y. Electric high speed flash lighting equipment, gas-filled electric discharge tubes, and electrically controlled devices, etc. Serial No. 439,098; June 3. Class 21.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Filing boxes. Serial No. 442,838; June 3. Class 2.

Edinger, Julius D., New York, N. Y. Composition for cleaning eye-glasses. Serial No. 442,446; June 3. Class 4.

Edzone Chemical Co. (See O'Reilly, Edward J.)

Endo Products Inc., New York, N. Y. Preparation consisting of a suspension of magnesium trisilicate, etc. Serial No. 442,254; June 3. Class 6.

Endo Products Inc., New York, N. Y. Preparation consisting of water soluble dehydrocholic acid, etc. Serial No. 442,255; June 3. Class 6.

Endo Products Inc., New York, N. Y. Preparation consisting of a combination of bile acids, etc. Serial No. 442,256; June 3. Class 6.

Enger-Kress Company, West Bend, Wis. Bill folds. Serial No. 442,655; June 3. Class 3.

Famous-Barr Company. (See May Department Stores Company.)

Fan and Bill's Inc., Miami Beach, Calif. Coffee. Serial No. 441,356; June 3. Class 46.

Farr Company, The, Greeley, Colo. Field seeds. Serial No. 441,340; June 3. Class 1.

Fashion Park, Inc., Rochester, N. Y. Men's topcoats and overcoats. Serial No. 440,980; June 3. Class 39.

Feinstein, P., & Sons, Inc., New York, N. Y. Men's and young men's coats, vests, trousers, etc. Serial No. 441,729; June 3. Class 39.

Fleming & Sons, Inc., Dallas, Tex. Tacks. Serial No. 441,607; June 3. Class 13.

Folger, J. A., & Company, Kansas City, Mo. Coffee. Serial No. 439,436; June 3. Class 46.

Freers Chemical Works, Ltd., London, England. Compositions for preventing incrustation, etc. Serial No. 442,866; June 3. Class 6.

Fuld Bros., Baltimore, Md. Detergent materials. Serial No. 441,817; June 3. Class 4.

Georgia Banner Hams Association, Montezuma, Ga. Hams. Serial No. 418,711; June 3. Class 46.

Godchaux Sugars, Inc., New Orleans, La. Sugar. Serial No. 440,372; June 3. Class 46.

Goldsmith Bros., New York, N. Y. Clinical fever thermometers. Serial No. 442,704; June 3. Class 44.

Goodall Rubber Company, Inc., Philadelphia, Pa. Boots. Serial No. 441,090; June 3. Class 39.

Goodman, A., & Sons, Inc., New York, N. Y. Soup mix. Serial Nos. 442,125–6; June 3. Class 46.

Gordon, C. J., Company, Chicago, Ill. Coats, capes, boleros, etc. Serial No. 441,768; June 3. Class 39.

Gorham Manufacturing Company, Providence, R. I. Sterling silverware, flatware, and hollowware, etc. Serial No. 441,243; June 3. Class 23.

Gruenfeld, Alois, Philadelphia, Pa. Chemical for preservation of eggs. Serial No. 442,845; June 3. Class 6.

Gum Incorporated, Philadelphia, Pa. Chewing gum. Serial No. 442,170; June 3. Class 46.

Gusmer, A., Inc., Hoboken, N. J. Prepared malt. Serial No. 441,575; June 3. Class 48.

Hartmann Trunk Company, Racine, Wis. Suitcases, hand luggage cases, hat boxes, etc. Serial No. 440,688; June 3. Class 3.

Hennings, Raymond A., New Orleans, La. Liquid dispenser. Serial No. 439,464; June 3. Class 23.

International Association of Altrusa Clubs, Inc., Chicago, Ill. Letter heads, envelopes, paper seals. Serial No. 432,538; June 3. Class 37.

Jardur Import Company. (See Klepper, Lillian R.)

Klepper, Lillian R., doing business as Jardur Import Company, New York, N. Y. Chronographs. Serial No. 440,250; June 3. Class 26.
La Crosse Breweries, Inc., La Crosse, Wis. Beer. Serial No. 434,179; June 3. Class 48.
Lampl, Walter, doing business as Lampl, New York, N. Y. Name pins, bar pins, brooches, clips, etc. Serial No. 439,719; June 3. Class 28.
Lewin, John I., doing business as The Dento-Pharma Mfg. Co., New York, N. Y. Dental aluminum compound. Serial No. 441,916; June 3. Class 44.
Lopez, Calixto, & Co., Jersey City, N. J. Cigars, cigarettes, and smoking tobacco. Serial No. 440,911; June 3. Class 17.
Lopez, Calixto, & Co., Jersey City, N. J. Cigars. Serial No. 440,913; June 3. Class 17.
Lopez, Calixto, & Co., Jersey City, N. J. Cigarettes. Serial No. 440,914; June 3. Class 17.
Lopez, Calixto, & Co., Jersey City, N. J. Cigars. Serial No. 440,915; June 3. Class 17.
Lowenstein, B., & Bros., Inc., Memphis, Tenn. Ladies' sportswear. Serial No. 441,438; June 3. Class 39.
May Department Stores Company, The, New York, N. Y., Baltimore, Md., Cleveland, Ohio, Los Angeles, Calif, and Denver, Colo., doing business as Famous-Barr Company, St. Louis, Mo., and as The M. O'Neil Co., Akron, Ohio. Men's hats. Serial No. 441,677; June 3. Class 39.
McBee Company, The, Athens, Ohio. Card index filing cabinets. Serial No. 434,413; June 3. Class 32.
McMullen-Leavens Company, Inc., New York, N. Y. Belts. Serial No. 442,012; June 3. Class 39.
Meyer, M. J. & H. J., Co., New York, N. Y. Canned sardines. Serial No. 433,934; June 3. Class 46.
Miracle Putty Laboratory, Chicago, Ill. Filling putty. Serial No. 441,406; June 3. Class 16.
Mohawk Brush Company, Albany, N. Y. Hair, military, clothes, etc. brushes. Serial No. 441,171; June 3. Class 29.
Moore, Sam, & Company, Cleveland, Ohio. Electric lighting units for public conveyances. Serial No. 438,489; June 3. Class 21.
Nepper, Peter J., Rapid City, S. Dak. Toilet soap. Serial No. 442,495; June 3. Class 4.
New York Evening Journal, Inc., New York, N. Y. Newspaper section. Serial No. 442,496; June 3. Class 38.
Nion Corporation, Los Angeles, Calif. Liver extract used in the treatment of arthritis. Serial No. 441,623; June 3. Class 6.
O'Neil, M., Co., The. (See May Department Stores Company.)
Oregon Worsted Company, Incorporated, New York and Astoria, Long Island, N. Y. Woolen yarns. Serial No. 437,693; June 3. Class 43.
O'Reilly, Edward J., doing business as Edzone Chemical Co., Robbinsdale, Minn. Saponaceous admixture of hydrocarbons. Serial No. 442,797; June 3. Class 6.
Pacific Trading Company, Inc., San Francisco, Calif. Rice. Serial No. 441,625; June 3. Class 46.
Packwood, G. H., Manufacturing Co., St. Louis, Mo. Dispensers, particularly for finely divided materials. Serial No. 440,953; June 3. Class 2.
Patterson-Sargent Company, The, Cleveland, Ohio. Dry and ready mixed paints, paint enamel, stains, etc. Serial No. 437,178; June 3. Class 16.
Pensiar Company, The, Detroit, Mich. Vitamin product. Serial No. 442,139; June 3. Class 6.
Pep Boys—Manny, Moe, & Jack, The, Philadelphia, Pa. Pneumatic rubber tires and inner tubes. Serial No. 442,851; June 3. Class 35.
Petrolite Corporation, Ltd., St. Louis, Mo. Chemical agent for removing deposits of asphalt, etc. Serial No. 443,013; June 3. Class 6.
Phelps-Terkel, Inc., Los Angeles, Calif. Outer shirts and caps. Serial No. 441,782; June 3. Class 39.
Pini Hnos. & Cia. Ltda., Sociedad Anónima Comercial E Industrial, Buenos Aires, Argentina. Alcoholic aperitives. Serial No. 436,400; June 3. Class 49.
Plastex Trim Corporation, Columbus, Ohio. Trim, edge, and cave strips of thermo-plastic composition. Serial No. 442,333; June 3. Class 12.
Plastic Products Co. (See Braukman, Theodore H.)
Price Flavoring Extract Co., Chicago, Ill. Laxative preparation. Serial No. 442,800; June 3. Class 6.
Proe, Bertha M., Northfield, Ohio. Dinner consisting of chicken, potatoes, etc. Serial No. 441,035; June 3. Class 46.
Public Ledger, Inc., Philadelphia, Pa. Newspaper syndicated feature. Serial Nos. 441,783–4; June 3. Class 38.
Redegeld, Joseph, & Co., Inc., New York, N. Y. Drawing tablets, filler paper, tablets, etc. Serial No. 441,642; June 3. Class 37.
Reinmann, Paul, Inc., New York, N. Y. Foambuilding and foam stabilizing compound for beers. Serial No. 441,877; June 3. Class 48.
Rochester Ice & Cold Storage Utilities, Inc., Rochester, N. Y. Frozen vegetables. Serial No. 437,530; June 3. Class 46.
Roddenbery, W. B., Company, Cairo, Ga. Table syrup, pickles, peanut butter, etc. Serial No. 442,213; June 3. Class 46.
Rodin Laboratories, Philadelphia, Pa. Materials for repairing teeth. Serial No. 439,605; June 3. Class 44.
Rogers Peet Company, New York, N. Y. Men's and boys' collars. Serial No. 441,521; June 3. Class 39.
Roxalin Flexible Lacquer Company, Inc., Elizabeth, N. J. Baking enamel. Serial No. 442,338; June 3. Class 16.
Rubinstein, Helena, Inc., New York, N. Y. Perfumes. Serial Nos. 442,802–3; June 3. Class 6.
Ruby Chemical Company, The, Columbus, Ohio. Soldering and trimming flux. Serial No. 441,747; June 3. Class 6.
Sandgren, Steve, Los Angeles, Calif. Candy. Serial No. 435,812; June 3. Class 46.
Selis, Walter O., doing business as Walter De-Mar Company, Des Moines, Iowa. Polish for automobiles, furniture, pianos, etc. Serial No. 441,258; June 3. Class 16.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Liquid petrolatum. Ser. No. 440,217; June 3. Class 6.
Southcoast Fisheries, Inc., Terminal Island, Calif. Canned cat food. Serial No. 441,217; June 3. Class 46.
Southern Central Company, Memphis, Tenn. Loose-leaf fillers, composition books, and pencil tablets. Serial No. 441,646; June 3. Class 37.
Spar, Jacob M., New York, N. Y. Rayon goods in the piece. Serial No. 429,872; June 3. Class 42.
Spiegel, G. B., Corp., Chicago, Ill. Pump and fountain assemblies sold as a unit. Serial No. 414,413; June 3. Class 23.
Standard Milling Company, New York, N. Y. Wheat flour. Serial No. 428,629; June 3. Class 46.
Staynew Filter Corporation, Rochester, N. Y. Filters. Serial No. 442,982; June 3. Class 31.
Strauss, B. M. & J., Limited, London, England. Liebfraumilch wine. Serial No. 441,792; June 3. Class 47.
Symprovised Music, Inc., New York, N. Y. Sheet music. Serial No. 442,246; June 3. Class 38.
Taylor-Freeman-Stanley Incorporated, New York, N. Y. Reeds for musical instruments and harmonicas. Serial No. 442,079; June 3. Class 36.
Tetley, Joseph, & Co., Inc., New York, N. Y. Tea. Serial No. 442,015; June 3. Class 46.
Thermo-Vac Corporation, Boston, Mass. Insulated containers. Serial No. 436,452; June 3. Class 2.
Tolibia Cheese Corporation, New York, N. Y. Cheese. Serial No. 430,158; June 3. Class 46.
Trudent Products, Incorporated, Danbury, Conn. Acrylic resin compound. Serial No. 440,967; June 3. Class 44.
United States Gypsum Company, Chicago, Ill. Asphalt roofing. Serial No. 442,344; June 3. Class 12.
United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. Serial No. 442,924; June 3. Class 22.
United States Stove Company, South Pittsburg, Tenn. Gas-operated water heaters and heating stoves. Serial No. 439,571; June 3. Class 34.
Visible Index Corp., New York, N. Y. Posting trays, desks, file cabinets, etc. Serial No. 442,676; June 3. Class 32.
Walter De-Mar Company. (See Sells, Walter O.)
Warner Chemical Company, The, New York, N. Y. Dry cleaning solvents. Serial Nos. 442,505–6; June 3. Class 4.
Washington Dental Company, Washington, D. C. Dental restorations. Serial No. 439,913; June 3. Class 44.
Werner, R. D., Co., Inc., New York, N. Y. Moulded and extruded plastics. Serial No. 441,838; June 3. Class 12.
Westfeldt Brothers, New Orleans, La. Coffee. Serial No. 441,187; June 3. Class 46.
Wilson-Imperial Company, Newark, N. J. Paint, varnish, enamel, etc. Serial No. 442,019; June 3. Class 16.
Wolf & Dessauer Co., Fort Wayne, Ind. Bed sheets, pillow cases, kitchen and bathroom towels, etc. Serial No. 442,020; June 3. Class 42.
Wright & McGill, Denver, Colo. Fishing lines and fish lures, leaders, and flies. Serial No. 442,583; June 3. Class 22.
Young, Chas. W., & Co., Philadelphia, Pa. Soap. Serial No. 441,556; June 3. Class 4.

LIST OF REGISTRANTS OF TRADE-MARKS

Adresocard Co. (See Havender, C. A.)
Advance Aluminum Castings Corp., Chicago, Ill. Cleaning and polishing material and steel wool pads. 387,817; June 3; Serial No. 423,872; published Sept. 24, 1940. Class 4.
Akron Brass Manufacturing Company, Incorporated, Wooster, Ohio. Hose couplings. 387,913; June 3. Class 13.
Allis-Chalmers Manufacturing Company, West Allis, Wis. Electrical apparatus. 387,877; June 3; Serial No. 439,743; published Mar. 25, 1941. Class 21.
American Breddo Corporation, New York, N. Y. Flour. 387,826; June 3; Serial No. 431,670; published Mar. 25, 1941. Class 46.
American Cellulose & Chemical Manufacturing Company, Limited, The, by change of name to Celanese Corporation of America, New York, N. Y. Certain cloths and fabrics in the piece, of silk, artificial silk and combinations. 146,669; renewed Sept. 20, 1941.
American Cyanamid Company. (See Calco Chemical Company, assignor.)
American Factors, Limited, Honolulu, Territory of Hawaii, and San Francisco, Calif. Certain named foods. 142,410; renewed May 17, 1941.
American Plush & Velvet Press-Board Co. Inc., New York, N. Y. Portable electrically heated steam generators and sad irons. 387,815; June 3; Serial No. 420,208; published July 9, 1940. Class 21.
American Rolling Mill Company, The, Middletown, Ohio. Certain products of iron, of steel, and of alloys of iron. 147,265; renewed Oct. 11, 1941.
American Smelting and Refining Company, New York, N. Y. Lead alloys. 387,849; June 3; Serial No. 438,232; published Mar. 25, 1941. Class 14.
American Spirits, Inc., New York, N. Y. Apricot liqueur. 387,878; June 3; Serial No. 439,744; published Mar. 25, 1941. Class 49.
Amoskeag Pajama Co. Inc., Boston, Mass. Pajamas. 387,871; June 3; Serial No. 439,646; published Mar. 25, 1941. Class 39.
Audio Devices, Inc., New York, N. Y. Sound recording and sound reproducing styli. 387,879; June 3; Serial No. 439,795; published Mar. 25, 1941. Class 36.
Automatic Electric Company, Chicago, Ill. Rebuilt telephones, telephone parts, telephone switchboards, etc. 387,860; June 3; Serial No. 438,971; published Mar. 25, 1941. Class 21.
Axton-Fisher Tobacco Company, The, Louisville, Ky. Cigarettes. 387,890; June 3; Serial No. 439,988; published Mar. 25, 1941. Class 17.
Baker, Walter, & Company, Ltd., Boston, Mass., assignor, by mesne assignments, to Walter Baker & Company, Inc., New York, N. Y. Sweet chocolate. 144,544; renewed July 12, 1941.
Barclay & Co., Wilmington, Del., and New York, N. Y., assignor to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y. Soaps. 147,270; renewed Oct. 11, 1941.
Barnes Drill Co., Rockford, Ill. Machine tools. 387,909; June 3. Class 23.
Barron-Gray Packing Company, San Jose, Calif. Canned fruits and canned vegetables. 387,822; June 3; Serial No. 430,171; published Mar. 25, 1941. Class 46.
Barron-Gray Packing Company, San Jose, Calif. Canned fruits, canned fruit juices for food purposes, and canned vegetable juices for food purposes. 387,823; June 3; Serial No. 430,172; published Mar. 25, 1941. Class 46.
Baur, O. P., Confectionery Company, The, Denver, Colo. Hard candies. 387,910; June 3. Class 46.
Beatty, Mildred M., doing business as Mimi-O-File Company, Albuquerque, N. Mex. Mechanized filing cabinet. 387,835; June 3; Serial No. 435,193; published Mar. 25, 1941. Class 32.
Beaver Company, The, Buffalo, assignor, by mesne assignments, to Certain-Teed Products Corporation, New York, N. Y. Certain named construction materials. 142,237; renewed May 10, 1941.
Beaver Company, The, Buffalo, assignor, by mesne assignments, to Certain-Teed Products Corporation, New York, N. Y. Wall-board and building-paper. 142,931; renewed May 24, 1941.
Bird & Son, Inc., East Walpole, Mass. Packing-cases, cartons, paper and fiber board boxes, and paper flowerpots. 144,172; renewed June 28, 1941.
Bird & Sons, Inc., East Walpole, Mass. Felt-base floor-coverings and rug-borders. 143,288; renewed May 31, 1941.
Bird & Son, Inc., East Walpole, Mass. Certain named construction materials. 143,289; renewed May 31, 1941.
Bitco, Inc., Wallace, Idaho. Rock drilling machinery, drill steel with integral drill bits, etc. 387,842; June 3; Serial No. 437,332; published Mar. 25, 1941. Class 23.
Blank, Michael, doing business as Dr. M. Blank, Optometrist, Sioux City, Iowa. Spectacles. 387,846; June 3; Serial No. 438,114; published Mar. 25, 1941. Class 26.
Bomze, H., & Bro., Philadelphia, Pa. Dresses. 387,880; June 3; Serial No. 439,797; published Mar. 25, 1941. Class 39.
Buegeleisen, Harry, Inc., Brooklyn, N. Y. Goggles. 387,866; June 3; Serial No. 439,155; published Mar. 25, 1941. Class 26.
Bulova Watch Company, Inc., New York, N. Y. Watches. 387,847; June 3; Serial No. 438,116; published Mar. 25, 1941. Class 27.
Cadillac Coat Co. Inc., New York, N. Y. Coats, suits, capes, etc. 387,896; June 3; Serial No. 440,082; published Mar. 25, 1941. Class 39.
Calco Chemical Company, The, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Certain named chemical, mineral, and vegetable substances. 146,069; renewed Aug. 30, 1941.
Cargocaire Engineering Corporation, New York, N. Y. Air conditioning units. 387,856; June 3; Serial No. 438,866; published Mar. 25, 1941. Class 34.
Celanese Corporation of America. (See American Cellulose & Chemical Manufacturing Company, Limited, The.)
Certain-Teed Products Corporation. (See Beaver Company, The, assignor.)
Certified Egg Producers Association. (See Lick, Floyd A.)
Charis Corporation, Allentown, Pa. Slide rules. 387,881; June 3; Serial No. 439,803; published Mar. 25, 1941. Class 26.
Chrysler Corporation, Highland Park, Mich. Automobiles and their structural parts. 387,827; June 3; Serial No. 432,236; published Mar. 25, 1941. Class 19.
Clairol, Incorporated, Stamford, Conn. Absorbent pads, chemically treated pads, and chemical exothermic heating units for permanent waving. 387,904–5; June 3; Serial Nos. 440,578–9; published Mar. 25, 1941. Class 44.
Cling-Surface Company, Buffalo, N. Y. Dressing for power-transmission belts. 147,283; renewed Oct. 11, 1941.
Collins Flour Mills, Pendleton, Oreg., assignor, by mesne assignments, to Collins Flour Mills, Inc., New York, N. Y. Wheat-flour. 141,522; renewed Apr. 26, 1941.
Continental Radio and Television Corp., assignor to Continental Radio and Television Corporation, Chicago, Ill. Band spreader for radio receiving set. 387,844; June 3; Serial No. 437,556; published Mar. 25, 1941. Class 21.
Council, James R., doing business as Council Company, Norfolk, Va. Peanut butter sandwiches. 387,891; June 3; Serial No. 439,993; published Mar. 25, 1941. Class 46.
Crown Margarin Company, assignor, by mesne assignments, to St. Louis Independent Packing Company, St. Louis, Mo. Oleomargarin. 145,549–50; renewed Aug. 9, 1941.
Damort Corporation, The, Boston, Mass. Corrective shoulder braces. 387,830; June 3; Serial No. 434,057; published Mar. 25, 1941. Class 44.
Damort Corporation, The, Boston, Mass. Health belts. 387,831; June 3; Serial No. 434,058; published Mar. 25, 1941. Class 44.
Davis Bros. Fisheries, Inc., Gloucester, Mass. Fish cakes and mixtures therefor. 387,824; June 3; Serial No. 430,764; published July 16, 1940. Class 46.
De Land, C. M., New York, N. Y. Piece goods. 387,811; June 3; Serial No. 395,816; published Mar. 25, 1941. Class 42.
Du Pont, E. I., de Nemours, and Company, Wilmington, Del. Ready-mixed paints. 141,929; renewed May 3, 1941.
Edson, Moore & Co., Detroit, Mich. Manufactured blankets of all cotton, cotton and wool, and all wool. 146,085; renewed Aug. 30, 1941.
Ellingwood & Bond, Boston, Mass. Pyrotechnic safety road flares. 387,921; June 3. Class 9.
Ferst, M. A., Ltd., Atlanta, Ga. Pencils and pencil leads. 387,919; June 3. Class 37.
Foodland, Inc., Cleveland, Ohio. Canned meat product. 387,850; June 3; Serial No. 438,435; published Mar. 25, 1941. Class 46.
Foote & Jenks, Inc., Jackson, Mich. Nonalcoholic, noncereal, maltless beverage, sold as a soft drink and sirup and extract for making the same. 387,889; June 3; Serial No. 439,965; published Mar. 25, 1941. Class 45.
Frantz Home Bakers, Inc., East Liverpool, Ohio. Sandwich roll. 387,869; June 3; Serial No. 439,437; published Mar. 25, 1941. Class 46.
Fricchione, Pasquale, doing business as Simplex Stoker Company, Scranton, Pa. Automatic coal stokers. 387,816; June 3; Serial No. 420,855; published Mar. 25, 1941. Class 34.
Fritz, Betty I., St. Petersburg, Fla. Toy animals. 387,897; June 3; Serial No. 440,159; published Mar. 25, 1941. Class 22.
Fruitvale Canning Company, Oakland, Calif. Canned fruits—namely, canned apricots, peaches, and pears. 387,818; June 3; Serial No. 425,049; published Mar. 18, 1941. Class 46.
General Foods Corporation. (See Jiffy Dessert Company, assignor.)

General Mills, Inc., Minneapolis, Minn. Foods for human and animal consumption. 387,925; June 3. Class 46.
General Packing Corporation, Brooklyn, N. Y. Canned dog and cat food. 387,836; June 3; Serial No. 435,288; published Mar. 25, 1941. Class 46.
Glemby Company, Inc., The. (See Samstag & Hilder Bros., assignor.)
Glen-Rock Beverage Company. (See Miller, Louis G.)
Gott, J. Harvey, Scottsbluff, Nebr. Potatoes. 387,852; June 3; Serial No. 438,617; published Mar. 25, 1941. Class 46.
Greenberg, Oscar, doing business as The Optical Shoppe, Council Bluffs, Iowa. Optical lenses. 387,857; June 3; Serial No. 438,877; published Mar. 25, 1941. Class 26.
Gregson, George T., Spokane, Wash. Battery charger. 387,882; June 3; Serial No. 439,812; published Mar. 25, 1941. Class 21.
Hall-Watson Company, Inc., The, New York, N. Y. Rust and stain removing cleanser for metals, stove, tile, etc. 387,870; June 3; Serial No. 439,595; published Mar. 25, 1941. Class 4.
Hatcher, Chas. M., Mfg. Co., Inc., Philadelphia, Pa. Shoe-ink. 147,326; renewed Oct. 11, 1941.
Havender, Celia A., doing business as Adresocard Co., New York, N. Y. Identification plaques of paper or cardboard. 387,922; June 3. Class 37.
Hawley & Hoops, New York, N. Y. Candy. 143,037; renewed May 24, 1941.
Hibline, J. Edward, Company, Inc., Baltimore, Md. Coal. 387,898; June 3; Serial No. 440,162; published Mar. 25, 1941. Class 1.
Hipsh, Inc., Kansas City, Mo. Sportswear. 387,861; June 3; Serial No. 439,073; published Mar. 25, 1941. Class 39.
Hipwell Manufacturing Co., Pittsburgh, Pa. Flashlights and dry batteries. 141,383; renewed Apr. 19, 1941.
Holophane Glass Company, Inc., assignor, by mesne assignments, to Holophane Company, Inc., New York, N. Y. Glass globes and reflectors for artificial light. 141,967; renewed May 3, 1941.
Holsum Products. (See Jewett & Sherman Company.)
Holters Company, The, assignor to The United States Shoe Corporation, Cincinnati, Ohio. Shoes. 147,331; renewed Oct. 11, 1941.
Houbigant, Inc., New York, N. Y. Toilet preparations. 147,112; renewed Oct. 4, 1941.
Industrial Manufacturers, Inc., Elizabeth, N. J. Electric wire terminals. 387,825; June 3; Serial No. 431,451; published Mar. 25, 1941. Class 21.
Interchemical Corporation, New York, N. Y. Printing inks. 387,902; June 3; Serial No. 440,556; published Mar. 25, 1941. Class 11.
International Paper Company, New York, N. Y. Sulphite bond-paper used for writing and printing purposes. 141,146; renewed Apr. 12, 1941.
Irwin Cotton Mills Company, West Durham, N. C. Sheets and pillow-cases and cotton goods in the piece. 143,331; renewed May 31, 1941.
Jewett & Sherman Company, also doing business as Holsum Products, Milwaukee, Wis. Nonalcoholic drink-mix for punches, etc. 387,923; June 3. Class 45.
Jiffy Dessert Company, Waukesha, Wis., assignor, by mesne assignments, to General Foods Corporation, New York, N. Y. Beverage-powders for the making of non-alcoholic, non-cereal, maltless beverages. 142,589; renewed May 17, 1941.
Kahn, Max H., Curtain Corporation, New York, N. Y. Curtains and draperies. 387,918; June 3. Class 42.
Katzinger, Edward, Company, The, Chicago, Ill. Flashlights. 387,841; June 3; Serial No. 436,611; published Mar. 25, 1941. Class 21.
Kayser, Julius, & Co., New York, N. Y. Underwear and nightgowns. 387,887; June 3; Serial No. 439,898; published Mar. 25, 1941. Class 39.
Keene, R. D., Inc., Winter Garden, Fla. Fresh oranges. 387,863; June 3; Serial No. 439,110; published Mar. 25, 1941. Class 46.
Kelvinator Corporation, assignor, by mesne assignments, to Nash-Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 142,652; renewed May 17, 1941.
Kingman, Russell B., Orange, N. J. Dispensing closures for bottles, jars, and the like. 387,839; June 3; Serial No. 436,307; published Mar. 25, 1941. Class 13.
Lanman & Kemp-Barclay & Co. Incorporated. (See Barclay & Co., assignor.)
Lash's Products Co., Chicago, Ill., by change of name to Lash, Inc., Clifton, N. J. A maltless beverage containing less than one-half of one per cent of alcohol. 141,401; renewed Apr. 19, 1941.
Latrobe Brewing Company, Latrobe, Pa. Beer, ale, and other malt beverages. 387,845; June 3; Serial No. 437,870; published Mar. 25, 1941. Class 48.
Lick, Floyd A., doing business as Certified Egg Producers Association, Locke, N. Y. Poultry eggs. 387,924; June 3. Class 46.
Liebowitz, Benjamin, New York, N. Y. Smoking pipes and filter bowls. 387,886; June 3; Serial No. 439,873; published Mar. 25, 1941. Class 8.
Lincoln Engineering Company, St. Louis, Mo. Upper cylinder lubricator. 387,848; June 3; Serial No. 438,204; published Mar. 25, 1941. Class 23.
Loewenstein, Hermann, New York, N. Y. Calf leather and shoe upper leather. 387,914; June 3. Class 1.
Majestic Flour Mill, Memphis, Tenn. Wheat flour. 387,812; June 3; Serial No. 411,587; published Feb. 28, 1939. Class 46.
Maumee Collieries Company, The, Terre Haute, Ind. Coal. 387,883; June 3; Serial No. 439,819; published Mar. 25, 1941. Class 1.
McAuley, J. E., Mfg. Co., Chicago, Ill. Electric arc lamps. 387,837; June 3; Serial No. 435,506; published Mar. 25, 1941. Class 26.
Merrell, William S., Company, The, assignor, by mesne assignments, to The Wm. S. Merrell Company, Cincinnati, Ohio. Female-tonic. 142,025; renewed May 3, 1941.
Merrell, William S., Company, The, assignor, by mesne assignments, to The Wm. S. Merrell Company, Cincinnati, Ohio. Bismuth compound and used in diarrhea of various intestinal disorders. 142,029; renewed May 3, 1941.
Merrell, William S., Company, The, assignor, by mesne assignments, to The Wm. S. Merrell Company, Cincinnati, Ohio. Syrup used in acute and chronic bronchitis and coughs and colds. 142,030; renewed May 3, 1941.
Merrell, William S., Company, The, assignor, by mesne assignments, to The Wm. S. Merrell Company, Cincinnati, Ohio. A cordial extract (Passiflora incarnata) used in nervousness, sleeplessness, etc. 142,034; renewed May 3, 1941.
Merrell, William S., Company, The, assignor, by mesne assignments, to The Wm. S. Merrell Company, Cincinnati, Ohio. Capsules of ergotin and apiol used as an emmenagogue. 142,035; renewed May 3, 1941.
Merrell, William S., Company, The, assignor, by mesne assignments, to The Wm. S. Merrell Company, Cincinnati, Ohio. Corn-silk and saw-palmetto compound used in urinary and kidney disorders. 142,037; renewed May 3, 1941.
Merrell, William S., Company, The, assignor, by mesne assignments, to The Wm. S. Merrell Company, Cincinnati, Ohio. Castor-oil, emulsified. 142,039; renewed May 3, 1941.
Merrell, William S., Company, The, assignor, by mesne assignments, to The Wm. S. Merrell Company, Cincinnati, Ohio. Castanea compound for use in coughs. 142,040; renewed May 3, 1941.
Merrell, William S., Company, The, assignor, by mesne assignments, to The Wm. S. Merrell Company, Cincinnati, Ohio. Stillingia and lobella compound used in coughs and colds, bronchitis, croup, etc. 143,081; renewed May 24, 1941.
Merrell, William S., Company, The, assignor, by mesne assignments, to The Wm. S. Merrell Company, Cincinnati, Ohio. Effervescent salt used in the treatment of migraine, auto-intoxication, and related disorders. 143,082; renewed May 24, 1941.
Merrell, William S., Company, The, assignor, by mesne assignments, to The Wm. S. Merrell Company, Cincinnati, Ohio. Certain named medicinal preparation. 143,085; renewed May 24, 1941.
Merrell, William S., Company, The, assignor, by mesne assignments, to The Wm. S. Merrell Company, Cincinnati, Ohio. Iron-salicylate compound for administration in rheumatic affection and as for a tonic. 143,088; renewed May 24, 1941.
Merrell, William S., Company, The, assignor, by mesne assignments, to The Wm. S. Merrell Company, Cincinnati, Ohio. Compound of bromids used as a nerve-sedative. 143,089; renewed May 24, 1941.
Merrick Scale Mfg. Co., Passaic, N. J. Weighing apparatus. 387,864; June 3; Serial No. 439,114; published Mar. 25, 1941. Class 26.
Middlemiss, John, Jr., New York, N. Y. Wash-cloths, towels, crib sheets, etc. 387,884; June 3; Serial No. 439,821; published Mar. 25, 1941. Class 42.
Miller, Louis G., doing business as Glen-Rock Beverage Company, Milwaukee, Wis. Soda water and soft drinks. 387,920; June 3. Class 45.
Mimi-O-File Company. (See Beatty, Mildred M.)
Miner, Read & Tullock, Inc., New Haven, Conn. Fruit jellies and fruit preserves, canned sliced beef, etc. 387,814; June 3; Serial No. 416,863; published July 30, 1940. Class 46.
Moroney, James E., doing business as James Moroney, Philadelphia, Pa. Whiskey. 387,828; June 3; Serial No. 432,263; published Oct. 1, 1940. Class 49.
Moto-Mower Company, The, Detroit, Mich. Power sweepers including lawn sweepers, street and sidewalk sweepers, etc. 387,855; June 3; Serial No. 438,849; published Mar. 25, 1941. Class 23.
Murphy & Murray, Grand Forks, N. Dak. Fresh potatoes. 387,865; June 3; Serial No. 439,139; published Mar. 25, 1941. Class 46.
Nash-Kelvinator Corporation. (See Kelvinator Corporation, assignor.)
Nashua Package Sealing Co. Inc., Nashua, N. H. Devices and appliances for moistening or dispensing adhesive or gummed tape, etc. 387,867; June 3; Serial No. 439,169; published Mar. 25, 1941. Class 37.
National Carbon Company, Inc., New York, N. Y. Window curtains and drapes of synthetic plastic fabrics. 387,859; June 3; Serial No. 438,957; published Mar. 25, 1941. Class 50.
Newton, James E., Fall River, Mass., to J. Edward Newton, Little Compton, R. I. Rhode Island Indian-corn meal. 141,188; renewed Apr. 12, 1941.
Northern Furniture Company, Sheboygan, Wis. Dining room and bedroom furniture. 387,901; June 3; Serial No. 440,470; published Mar. 25, 1941. Class 32.

Northwestern Expanded Metal Company, assignor to United States Gypsum Company, Chicago, Ill. Beams, studding, and joists of metal. 141,625; renewed Apr. 26, 1941.
Ohio Crankshaft Company, The, Cleveland, Ohio. Electrical induction, heat treating equipment for inductively heating the surface zones of articles to hardening temperature. 387,810; June 3; Serial No. 382,135; published Mar. 25, 1941. Class 21.
Okonite Company, The, Passaic, N. J. Battery terminal connectors. 387,908; June 3. Class 21.
Optical Shoppe, The. (See Greenberg, Oscar.)
Parkersburg Rig and Reel Company, The, Parkersburg, W. Va. Hydrodynamic brake mechanisms for vehicles, for oil well equipment, and for coal mine service hoists. 387,854; June 3; Serial No. 438,664; published Mar. 25, 1941. Class 23.
Peerless Roll Leaf Co., Inc., Union City, N. J. Transfer roll leaf. 387,912; June 3. Class 11.
Pepper, Jas. E., & Company, Lexington, Ky. Whiskey, gin, rum, etc. 387,875; June 3; Serial No. 439,727; published Mar. 25, 1941. Class 49.
Pinaud, Incorporated, New York, N. Y. Toilet soap. 387,819; June 3; Serial No. 427,556; published Mar. 25, 1941. Class 4.
Powell, Frank, doing business as Chick Powell Co. Miami, Fla. Novelties and souvenirs. 387,893; June 3; Serial No. 440,058; published Mar. 25, 1941. Class 50.
Presto Electric Co., Union City, N. J. Electrically operated signals. 387,829; June 3; Serial No. 432,948; published Aug. 20, 1940. Class 21.
Proven Products Company. (See Reisenburger, Eva A.)
Rand Brothers, New York, N. Y. Powder puffs. 387,894; June 3; Serial No. 440,059; published Mar. 25, 1941. Class 29.
Randolph Marketing Co., Inc., Los Angeles, Calif. Citrus fruit. 387,915–16; June 3. Class 46.
Raolin Corporation, The, New York, N. Y. Treated fabrics in the piece. 387,832; June 3; Serial No. 434,223; published Mar. 25, 1941. Class 42.
Raolin Corporation, The, New York, N. Y. Coated papers. 387,833; June 3; Serial No. 434,224; published Mar. 25, 1941. Class 37.
Rapid Roller Co., Chicago, Ill. Printers' rollers, composition coated rollers, offset rollers, etc. 387,820; June 3; Serial No. 428,931; published June 11, 1940. Class 23.
Records & Goldsborough, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. 387,899; June 3; Serial No. 440,175; published Mar. 25, 1941. Class 49.
Regina Corporation, The, Rahway, N. J. Can openers. 387,926; June 3. Class 23.
Rich's, Inc., Atlanta, Ga. Mattresses. 387,906; June 3; Serial No. 440,662; published Mar. 25, 1941. Class 32.
Riesenburger, Eva A., doing business as Proven Products Company, Flushing, N. Y. Rubber waterproofed sheeting in rolls and in cut lengths, and pillow cases and mattress covers made therefrom. 387,876; June 3; Serial No. 439,729; published Mar. 25, 1941. Class 50.
Rivera Citrus Association, Rivera, Calif. Fresh citrus fruits. 387,868; June 3; Serial No. 439,240; published Mar. 25, 1941. Class 46.
Ross Packing Co., Selah, Wash. Dehydrated apples. 387,892; June 3; Serial No. 440,023; published Mar. 25, 1941. Class 46.
Roth-Büchner G. m. b. H., Tempelhof, near Berlin, Germany. Safety razors, blades for safety razors and mechanical stropping apparatus. 387,838; June 3; Serial No. 435,732; published Mar. 25, 1941. Class 23.
Rueping, Fred, Leather Co., Fond du Lac, Wis. Leather. 387,885; June 3; Serial No. 439,834; published Mar. 25, 1941. Class 1.
Sabin Robbins Paper Company, The, Cincinnati, Ohio. Coated paper. 387,888; June 3; Serial No. 439,906; published Mar. 25, 1941. Class 37.
St. Louis Independent Packing Company. (See Crown Margarin Company, assignor.)
Salant & Salant, Inc., New York, N. Y. Work and dress shirts. 387,840; June 3; Serial No. 436,552; published Mar. 18, 1941. Class 39.
Samstag & Hilder Bros., assignor to The Glemby Company, Inc., New York, N. Y. Hair-nets. 146,350; renewed Sept. 6, 1941.
Schoeneman, J., Incorporated, Baltimore, Md. Certain articles of clothing. 146,865; renewed Sept. 20, 1941.
Schwarzwaelder Co., The, Philadelphia, Pa. Pre-shrunk woolen, cotton, linen, silk and rayon fabrics in the piece. 387,813; June 3; Serial No. 413,524; published Mar. 25, 1941. Class 42.
Seeburg, J. P., Corporation, Chicago, Ill. Coin controlled automatic record-changing phonographs and parts therefor. 387,853; June 3; Serial No. 438,632; published Mar. 25, 1941. Class 36.
Sharp & Dohme, Baltimore, Md., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Medicinal tablets for use as an anodyne and antipyretic. 142,124; renewed May 3, 1941.
Sharp & Dohme, Baltimore, Md., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Rubefacient solution. 142,125; renewed May 3, 1941.
Siegel, Harry P., Brooklyn, N. Y. Dental aspirators. 387,872; June 3; Serial No. 439,707; published Mar. 25, 1941. Class 44.
Simplex Stoker Company. (See Fricchione, Pasquale.)
"Sominar", Sociedad Minera Argentina, Sociedad Anónima, Buenos Aires, Argentina. Tungsten minerals. 387,834; June 3; Serial No. 434,377; published Mar. 25, 1941. Class 1.
Sta-Whip, Inc., Chicago, Ill. Whipping cream stabilizers. 387,843; June 3; Serial No. 437,486; published Mar. 25, 1941. Class 46.
Swift and Company, Chicago, Ill. Oleomargarin. 146,890; renewed Sept. 20, 1941.
Tidy Products Corporation, New York, N. Y. Outergarment—namely, snowsuit. 387,895; June 3; Serial No. 440,072; published Mar. 25, 1941. Class 39.
Turco Products, Inc., Los Angeles, Calif. Mechanical apparatus comprising a motor, a circulating pump, hose, valves, switches, adapters and the like. 387,821; June 3; Serial No. 429,424; published Mar. 25, 1941. Class 23.
Union Bag & Paper Corporation, New York, N. Y. Paper pulp. 387,873; June 3; Serial No. 439,709; published Mar. 25, 1941. Class 1.
United States Gypsum Company. (See Northwestern Expanded Metal Company, assignor.)
United States Rubber Company, New York, N. Y. Golf balls. 387,907; June 3; Serial No. 440,669; published Mar. 25, 1941. Class 22.
United States Shoe Corporation, The. (See Holters Company, The, assignor.)
Wagner, Frank J., doing business as Zipper Paste Shop. Chicago, Ill. Paste. 387,900; June 3; Serial No. 440,350; published Mar. 25, 1941. Class 5.
Walhaven, Inc., Cleveland, Ohio. Wearing apparel. 387,874; June 3; Serial No. 439,711; published Mar. 25, 1941. Class 39.
Warner Bros. Pictures, Inc., New York, N. Y. Motion pictures and motion picture films. 387,917; June 3. Class 26.
Washburn, L. M., Lindsay, Calif. Fresh citrus fruits. 387,858; June 3; Serial No. 438,914; published Mar. 25, 1941. Class 46.
Washington Growers' Packing Corporation, Vancouver, Wash. Dried fruit—namely, dried Italian prunes and petites and sugarprunes. 142,822; renewed May 17, 1941.
Washington Packers, Inc., Sumner, Wash. Canned fruits and vegetables, fresh frozen vegetables, etc. 387,851; June 3; Serial No. 438,521; published Mar. 25, 1941. Class 46.
Weaver, Benjamin P., doing business as Weaver-Beach Co., Scottsville, N. Y. Blank price cards, telephone cards, and recipe cards. 387,862; June 3; Serial No. 439,084; published Mar. 25, 1941. Class 37.
Werner, Adolph, Milwaukee, Wis. Cloth used for polishing metal. 147,428; renewed Oct. 11, 1941.
White Rock Mineral Springs Company, New York, N. Y., and Waukesha, Wis. Bottled soda water. 387,903; June 3; Serial No. 440,567; published Mar. 25, 1941. Class 45.
Wrisley, Allen B., Chicago, Ill. Soap. 387,911; June 3. Class 4.
Zipper Paste Shop. (See Wagner, Frank J.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. J. Edward Hibline Company. 387,898; June 3; Serial No. 440,162; published Mar. 25, 1941.
Coal. Maumee Collieries Company. 387,883; June 3; Serial No. 439,819; published Mar. 25, 1941.
Leather. F. Rueping. 387,885; June 3; Serial No. 439,834; published Mar. 25, 1941.
Leather and shoe upper leather, Calf. H. Loewenstein. 387,914; June 3.
Pulp, Paper. Union Bag & Paper Corporation. 387,873; June 3; Serial No. 439,709; published Mar. 25, 1941.
Tungsten materials. "Sominar", Sociedad Minera Argentina, Sociedad Anonima 387,834; June 3; Serial No. 434,377; published Mar. 25, 1941.

CLASS 2

Packing-cases, cartons, paper and fiber board boxes and paper flower-pots. Bird & Son, Inc. 144,172; renewed June 28, 1941.

CLASS 4

Cleaning and polishing material and steel wool pads. Advance Aluminum Castings Corp. 387,817; June 3; Serial No. 423,872; published Sept. 24, 1940.
Cleanser for metal, stone, tile, etc., Rust and stain removing. Hall-Watson Company. 387,870; June 3; Serial No. 439,595; published Mar. 25, 1941.
Cloth used for polishing metal. A. Werner. 147,428; renewed Oct. 11, 1941.

Dressings for power-transmission belts. Cling-Surface Company. 147,283; renewed Oct. 11, 1941.
Shoe-ink. Chas M. Hatcher Mfg. Co. 147,326; renewed Oct. 11, 1941.
Soap. Allen B. Wrisley Company. 387,911; June 3.
Soap, Toilet. Pinaud, Incorporated. 387,819; June 3; Serial No. 427,556; published Mar. 25, 1941.
Soaps. Barclay & Co. 142,270; renewed Oct. 11, 1941.

CLASS 5

Paste. F. J. Wagner. 387,900; June 3; Serial No. 440,350; published Mar. 25, 1941.

CLASS 6

Bismuth compound. William S. Merrell Company. 142,029; renewed May 3, 1941.
Capsules of ergotin and apiol. William S. Merrell Company. 142,035; renewed May 3, 1941.
Castanea compound. William S. Merrell Company. 142,040; renewed May 3, 1941.
Castor-oil, emulsified. William S. Merrell Company. 142,039; renewed May 3, 1941.
Chemical, mineral, and vegetable substances. Calco Chemical Company. 146,069; renewed Aug. 30, 1941.
Compound of bromids. William S. Merrell Company. 143,089; renewed May 24, 1941.
Cordial extract. William S. Merrell Company. 142,034; renewed May 3, 1941.
Corn-silk and saw-palmetto compound. William S. Merrell Company. 142,037; renewed May 3, 1941.
Effervescent salt. William S. Merrell Company. 143,082; renewed May 24, 1941.
Female-tonic. William S. Merrell Company. 142,025; renewed May 3, 1941.
Iron-salicylate compound. William S. Merrell Company. 143,088; renewed May 24, 1941.
Medicinal preparation. William S. Merrell Company. 143,085; renewed May 24, 1941.
Medicinal tablets. Sharp & Dohme. 142,124; renewed May 3, 1941.
Rubefacient solution. Sharp & Dohme. 142,125; renewed May 3, 1941.
Stillingia and lobelia compound. William S. Merrell Company. 143,081; renewed May 24, 1941.
Syrup for colds. William S. Merrell Company. 142,030; renewed May 3, 1941.
Toilet preparations. Houbigant, Inc. 147,112; renewed Oct. 4, 1941.

CLASS 8

Pipes and filter bowls, Smoking. B. Liebowitz. 387,886; June 3; Serial No. 439,873; published Mar. 25, 1941.

CLASS 9

Flares, Pyrotechnic safety road. Ellingwood & Bond. 387,921; June 3.

CLASS 11

Inks, Printing. Interchemical Corporation. 387,902; June 3; Serial No. 440,556; published Mar. 25, 1941.
Roll leaf, Transfer. Peerless Roll Leaf Co. 387,912; June 3.

CLASS 12

Beams, studding, and joists of metal. Northwestern Expanded Metal Company. 141,625; renewed Apr. 26, 1941.
Construction materials. Beaver Company. 142,237; renewed May 10, 1941.
Construction materials. Bird & Son, Inc. 143,289; renewed May 31, 1941.
Wall-board and building-paper. Beaver Company. 142,931; renewed May 24, 1941.

CLASS 13

Coupling, Hose. Akron Brass Manufacturing Company. 387,913; June 3.
Closures for bottles, jars, and the like, Dispensing. R. B. Kingman. 387,839; June 3; Serial No. 436,307; published Mar. 25, 1941.

CLASS 14

Alloys, Lead. American Smelting and Refining Company. 387,849; June 3; Serial No. 438,232; published Mar. 25, 1941.
Iron, steel, and of alloys of iron, Products of. American Rolling Mill Company. 147,265; renewed Oct. 11, 1941.

CLASS 16

Paints, Ready-mixed. E. I. du Pont de Nemours and Company. 141,929; renewed May 3, 1941.

CLASS 17

Cigarettes. Axton-Fisher Tobacco Company. 387,890; June 3; Serial No. 439,988; published Mar. 25, 1941.

CLASS 19

Automobiles and their structural parts. Chrysler Corporation. 387,827; June 3; Serial No. 432,236; published Mar. 25, 1941.

CLASS 20

Floor-coverings and rug-borders, Felt-base. Bird & Son, Inc. 143,288; renewed May 31, 1941.

CLASS 21

Band spreader for radio receiving. Continental Radio and Television Corp. 387,844; June 3; Serial No. 437,556; published Mar. 25, 1941.
Battery charger. G. T. Gregson. 387,882; June 3; Serial No. 439,812; published Mar. 25, 1941.
Electrical apparatus. Allis-Chalmers Manufacturing Company. 387,877; June 3; Serial No. 439,743; published Mar. 25, 1941.
Electrical induction heat treating equipment for inductively heating, etc., surface zones of articles to hardening temperature. Ohio Crankshaft Company. 387,810; June 3; Serial No. 382,135; published Mar. 25, 1941.
Flashlights. Edward Katzinger Company. 387,841; June 3; Serial No. 436,611; published Mar. 25, 1941.
Flashlights and dry batteries. Hipwell Manufacturing Co. 141,383; renewed Apr. 19, 1941.
Generators and sad irons, Portable electrically heated steam. American Plush & Velvet Press-Board Co. Inc. 387,815; June 3; Serial No. 420,208; published July 9, 1940.
Signals, Electrically operated. Presto Electric Co. 387,829; June 3; Serial No. 432,948; published Aug. 20, 1940.
Telephones, telephone parts, telephone switchboards, etc., Rebuilt. Automatic Electric Company. 387,860; June 3; Serial No. 438,971; published Mar. 25, 1941.
Terminal connectors, Battery. Okonite Company. 387,908; June 3.
Wire terminals, Electric. Industrial Manufacturers, Inc. 387,825; June 3; Serial No. 431,451; published Mar. 25, 1941.

CLASS 22

Golf balls. United States Rubber Company. 387,907; June 3; Serial No. 440,669; published Mar. 25, 1941.
Toy animals. B. I. Fritz. 387,897; June 3; Serial No. 440,159; published Mar. 25, 1941.

CLASS 23

Brake mechanisms for vehicles, for oil well equipment, and for coal mine service hoists, Hydrodynamic. Parkersburg Rig and Reel Company. 387,854; June 3; Serial No. 438,664; published Mar. 25, 1941.
Can openers. Regina Corporation. 387,926; June 3.
Lubricator, Upper cylinder. Lincoln Engineering Company. 387,848; June 3; Serial No. 438,204; published Mar. 25, 1941.
Mechanical apparatus. Turco Products, Inc. 387,821; June 3; Serial No. 429,424; published Mar. 25, 1941.
Rock drilling machinery, drill steel with integral bits, etc. Bitco, Inc. 387,842; June 3; Serial No. 437,332; published Mar. 25, 1941.
Rollers, composition coated rollers, offset rollers, etc., Printers'. Rapid Roller Co. 387,820; June 3; Serial No. 428,931; published June 11, 1940.
Safety razors, blades for safety razors and mechanical stropping apparatus. Roth-Büchner G. m. b. H. 387,838; June 3; Serial No. 435,732; published Mar. 25, 1941.
Sweepers, Power. Moto-Mower Company. 387,855; June 3; Serial No. 438,849; published Mar. 25, 1941.
Tools, Machine. Barnes Drill Co. 387,909; June 3.

CLASS 26

Goggles. Harry Buegeleisen, Inc. 387,866; June 3; Serial No. 439,155; published Mar. 25, 1941.
Lamps, Electric arc. J. E. McAuley Mfg. Co. 387,837; June 3; Serial No. 435,506; published Mar. 25, 1941.
Lenses, Optical. O. Greenberg. 387,857; June 3; Serial No. 438,877; published Mar. 25, 1941.
Pictures and films, Motion. Warner Bros. Pictures, Inc. 387,917; June 3.
Rules, Slide. Charis Corporation. 387,881; June 3; Serial No. 439,803; published Mar. 25, 1941.
Spectacles. M. Blank. 387,846; June 3; Serial No. 438,114; published Mar. 25, 1941.
Weighing apparatus. Merrick Scale Mfg. Co. 387,864; June 3; Serial No. 439,114; published Mar. 25, 1941.

CLASS 27

Watches. Bulova Watch Company. 387,847; June 3; Serial No. 438,116; published Mar. 25, 1941.

CLASS 29

Powder puffs. Rand Brothers. 387,894; June 3; Serial No. 440,059; published Mar. 25, 1941.

CLASS 31

Refrigerating apparatus. Kelvinator Corporation. 142,652; renewed May 17, 1941.

CLASS 32

Cabinet, Mechanized filing. M. M. Beatty. 387,835; June 3; Serial No. 435,193; published Mar. 25, 1941.
Furniture, Dining room and bedroom. Northern Furniture Company. 387,901; June 3; Serial No. 440,470; published Mar. 25, 1941.
Mattresses. Rich's, Inc. 387,906; June 3; Serial No. 440,662; published Mar. 25, 1941.

CLASS 33

Globes and reflectors for artificial light, Glass. Holophane Glass Company. 141,967; renewed May 3, 1941.

CLASS 34

Air conditioning units. Cargocaire Engineering Corporation. 387,856; June 3; Serial No. 438,866; published Mar. 25, 1941.
Stokers, Automatic coal. P. Fricchione. 387,816; June 3; Serial No. 420,855; published Mar. 25, 1941.

CLASS 36

Phonographs and parts therefor, Coin controlled automatic record-changing. J. P. Seeburg Corporation. 387,853; June 3; Serial No. 438,632; published Mar. 25, 1941.
Sound recording and sound reproducing styli. Audio Devices, Inc. 387,879; June 3; Serial No. 439,795; published Mar. 25, 1941.

CLASS 37

Bond-paper, Sulphite. International Paper Company. 141,146; renewed Apr. 12, 1941.
Cards, telephone cards, and recipe cards, Blank price. B. P. Weaver. 387,862; June 3; Serial No. 439,084; published Mar. 25, 1941.
Devices and appliances for moistening or dispensing adhesive or gummed tape. Nashua Package Sealing Co. Inc. 387,867; June 3; Serial No. 439,169; published Mar. 25, 1941.
Identification plaques of paper or cardboard. C. A. Havender. 387,922; June 3.
Papers, Coated. Raolin Corporation. 387,833; June 3; Serial No. 434,224; published Mar. 25, 1941.
Paper, Coated. Sabin Robbins Paper Company. 387,888; June 3; Serial No. 439,906; published Mar. 25, 1941.
Pencils and pencil leads. M. A. Ferst, Ltd. 387,919; June 3.

CLASS 39

Apparel—namely, topcoats, overcoats, sport-coats, etc., Wearing. Walhaven, Inc. 387,874; June 3; Serial No. 439,711; published Mar. 25, 1941.
Clothing, Articles of. J. Schoeneman, Incorporated. 146,865; renewed Sept. 20, 1941.
Coats, suits, capes, etc. Cadillac Coat Co. Inc. 387,896; June 3; Serial No. 440,082; published Mar. 25, 1941.
Dresses. H. Bomze & Bro. 387,880; June 3; Serial No. 439,797; published Mar. 25, 1941.
Outergarment. Tidy Products Corporation. 387,895; June 3; Serial No. 440,072; published Mar. 25, 1941.
Pajamas. Amoskeag Pajama Co. Inc. 387,871; June 3; Serial No. 439,646; published Mar. 25, 1941.
Shirts, Work and dress. Salant & Salant, Inc. 387,840; June 3; Serial No. 436,552; published Mar. 18, 1941.
Shoes. Holters Company. 147,331; renewed Oct. 11, 1941.
Sportswear. Hipsh, Inc. 387,861; June 3; Serial No. 439,073; published Mar. 25, 1941.
Underwear and nightgowns. Julius Kayser & Co. 387,887; June 3; Serial No. 439,898; published Mar. 25, 1941.

CLASS 42

Blankets, Manufactured. Edson, Moore & Co. 146,085; renewed Aug. 30, 1941.
Cloths and fabrics in the piece. American Cellulose & Chemical Manufacturing Company. 146,669; renewed Sept. 20, 1941.
Curtains and draperies. Max H. Kahn Curtain Corporation. 387,918; June 3.
Fabrics in the piece. Schwarzwaelder Co. 387,813; June 3; Serial No. 413,524; published Mar. 25, 1941.
Fabrics in the piece, Treated. Raolin Corporation. 387,832; June 3; Serial No. 434,223; published Mar. 25, 1941.
Hair-nets. Samstag & Hilder Bros. 146,350; renewed Sept. 6, 1941.
Piece goods. C. M. De Land. 387,811; June 3; Serial No. 395,816; published Mar. 25, 1941.
Sheets and pillow-cases and cotton goods in the piece. Irwin Cotton Mills Company. 143,331; renewed May 31, 1941.
Wash-cloths, towels, crib sheets, etc. J. Middlemiss, Jr. 387,884; June 3; Serial No. 439,821; published Mar. 25, 1941.

CLASS 44

Belts, Health. Damort Corporation. 387,831; June 3; Serial No. 434,058; published Mar. 25, 1941.
Braces, Corrective shoulder. Damort Corporation. 387,830; June 3; Serial No. 434,057; published Mar. 25, 1941.
Dental aspirators. H. P. Siegel. 387,872; June 3; Serial No. 439,707; published Mar. 25, 1941.
Pads, chemically treated pads, and chemical exothermic heating units for permanent waving. Absorbent Clairol, Incorporated. 387,904–5; June 3; Serial Nos. 440,578–9; published Mar. 25, 1941.

CLASS 45

Beverage and sirup extract, Nonalcoholic, noncereal maltless. Foote & Jenks, Inc. 387,889; June 3; Serial No. 439,965; published Mar. 25, 1941.
Beverage-powders. Jiffy Dessert Company. 142,589; renewed May 17, 1941.
Drink-mix for punches, etc., Nonalcoholic. Jewett & Sherman Company. 387,923; June 3.
Maltless beverage. Lash's Products Co. 141,401; renewed Apr. 19, 1941.
Soda water and soft drinks. L. G. Miller. 387,920; June 3.
Soda water, Bottled. White Rock Mineral Springs Company. 387,903; June 3; Serial No. 440,567; published Mar. 25, 1941.

CLASS 46

Apples, Dehydrated. Ross Packing Co. 387,892; June 3; Serial No. 440,023; published Mar. 25, 1941.
Candies, Hard. O. P. Baur Confectionery Company. 387,910; June 3.
Candy. Hawley & Hoops. 143,037; renewed May 24, 1941.
Canned dog and cat food. General Packing Corporation. 387,836; June 3; Serial No. 435,288; published Mar. 25, 1941.
Canned fruits. Fruitvale Canning Company. 387,818; June 3; Serial No. 425,049; published Mar. 18, 1941.
Canned fruits and canned vegetables. Barron-Gray Packing Company. 387,822; June 3; Serial No. 430,171; published Mar. 25, 1941.
Canned fruits and vegetables, fresh frozen vegetables, etc. Washington Packers, Inc. 387,851; June 3; Serial No. 438,521; published Mar. 25, 1941.
Canned fruits, canned fruit juices, and canned vegetable juices. Barron-Gray Packing Company. 387,823; June 3; Serial No. 430,172; published Mar. 25, 1941.
Canned meat product. Foodland, Inc. 387,850; June 3; Serial No. 438,435; published Mar. 25, 1941.
Chocolate, Sweet. Walter Baker & Company. 144,544; renewed July 12, 1941.
Corn meal, Indian. J. E. Newton. 141,188; renewed Apr. 12, 1941.
Eggs, Poultry. F. A. Lick. 387,924; June 3.
Fish cakes and mixtures therefor. Davis Bros. Fisheries, Inc. 387,824; June 3; Serial No. 430,764; published July 16, 1940.
Flour. American Breddo Corporation. 387,826; June 3; Serial No. 431,670; published Mar. 25, 1941.
Flour, Wheat. Majestic Flour Mill. 387,812; June 3; Serial No. 411,587; published Feb. 28, 1939.
Foods. American Factors, Limited. 142,410; renewed May 17, 1941.
Foods for human and animal consumption. General Mills, Inc. 387,925; June 3.
Fruit, Citrus. Randolph Marketing Co. 387,915–6; June 3.
Fruit, Dried. Washington Growers' Packing Corporation. 142,822; renewed May 17, 1941.
Fruits, Citrus. Rivera Citrus Association. 387,868; June 3; Serial No. 439,240; published Mar. 25, 1941.
Fruits, Citrus. L. M. Washburn. 387,858; June 3; Serial No. 438,914; published Mar. 25, 1941.
Jellies and fruit preserves, canned sliced beef, etc., Fruit. Minor, Read & Tullock, Inc. 387,814; June 3; Serial No. 416,863; published July 30, 1940.
Oleomargarin. Crown Margarin Company. 145,549–50; renewed Aug. 29, 1941.
Oleomargarin. Swift and Company. 146,890; renewed Sept. 20, 1941.
Oranges. R. D. Keene, Inc. 387,863; June 3; Serial No. 439,110; published Mar. 25, 1941.
Potatoes. J. H. Gott. 387,852; June 3; Serial No. 438,617; published Mar. 25, 1941.
Potatoes. Murphy & Murray. 387,865; June 3; Serial No. 439,139; published Mar. 25, 1941.
Sandwich roll. Frantz Home Bakers, Inc. 387,869; June 3; Serial No. 439,437; published Mar. 25, 1941.
Sandwiches, Peanut butter. J. R. Council. 387,891; June 3; Serial No. 439,993; published Mar. 25, 1941.
Wheat-flour. Collins Flour Mills. 141,522; renewed Apr. 26, 1941.
Whipping cream stabilizers. Sta-Whip, Inc. 387,843; June 3; Serial No. 437,486; published Mar. 25, 1941.

CLASS 48

Beer, ale, and other malt beverages. Latrobe Brewing Company. 387,845; June 3; Serial No. 437,870; published Mar. 25, 1941.

CLASS 49

Liqueur, Apricot. American Spirits, Inc. 387,878; June 3; Serial No. 439,744; published Mar. 25, 1941.
Whiskey. J. E. Moroney. 387,828; June 3; Serial No. 432,263; published Oct. 1, 1940.
Whiskey, gin, brandy, etc. Records & Goldsborough, Incorporated. 387,899; June 3; Serial No. 440,175; published Mar. 25, 1941.
Whiskey, gin, rum, etc. Jas. E. Pepper & Company. 387,875; June 3; Serial No. 439,727; published Mar. 25, 1941.

CLASS 50

Novelties and souvenirs. F. Powell. 387,893; June 3; Serial No. 440,058; published Mar. 25, 1941.
Sheeting in rolls and in cut lengths, and pillow cases and mattress covers made therefrom, Rubber waterproofed. E. A. Riesenburger. 387,876; June 3; Serial No. 439,729; published Mar. 25, 1941.
Window curtains and drapes of synthetic plastic fabrics. National Carbon Company. 387,859; June 3; Serial No. 438,957; published Mar. 25, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF JUNE, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Albertson & Company. (See Albertson, Frans O., assignor.)

Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Metal spray gun. Re. 21,814; June 3.

Bear, Paul S., assignor, by mesne assignments, to Bucklen-Bear Laboratories, Inc., Elkhart, Ind. Switch. Re. 21,815; June 3.

Bonsall, Charles D., Chicago, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company. Insulated car wall. Re. 21,816; June 3.

Brady, John B. (See Halstead, William S., assignor.)

Bucklen-Bear Laboratories, Inc. (See Bear, Paul S., assignor.)

Gronich, Sam, Los Angeles, Calif. Meat chopping machine. Re. 21,817; June 3.

Halstead, William S., Huntington, N. Y., assignor of one-third to John B. Brady, Washington, D. C. Radio traffic control system. Re. 21,818; June 3.

Huesay, Walther. (See Trachsel, Ernst, assignor.)

Korsmo, Alfred, Hopkins, and M. Ronning, St. Louis Park, Minn., assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Power mower. Re. 21,819; June 3.

Minneapolis-Moline Power Implement Company. (See Korsmo, A., and Ronning, assignors.)

Munsell, William P., Riverside, Ill. Flowerpot for water-cultured plants. Re. 21,820; June 3.

Ronning, Martin. (See Korsmo, A., and Ronning.)

Standard Railway Equipment Manufacturing Company. (See Bonsall, Charles D., assignor.)

Trachsel, Ernst, Zurich, assignor of sixty percent to W. Huesay, Aarburg, Switzerland. Automatic adjustment for brakes. Re. 21,821; June 3.

LIST OF PLANT PATENTEES

Armstrong Nurseries, Inc. (See Haley, Benjamin H., assignor.)

Beckett, Edwin, Red Bank, N. J. Clematis. 471; June 3.

Beckett, Edwin, Red Bank, N. J. Clematis. 472; June 3.

Hahn, Sylvan. (See Smith, William W., Jr., assignor.)

Haley, Benjamin H., Lakeside, assignor to Armstrong Nurseries, Inc., Ontario, Calif. Peach tree. 473; June 3.

Smith, William W., Jr., New Orleans, La., assignor, by mesne assignments, to Sylvan Hahn, Pittsburgh, Pa. Sansevieria. 470; June 3.

LIST OF DESIGN PATENTEES

Abrams, Miriam, New York, N. Y. Dress. 127,636; June 3.

Abrams, Miriam, New York, N. Y. Dress. 127,655; June 3.

Abrams, Miriam, New York, N. Y. Dress. 127,656; June 3.

American Bleached Goods Company. (See Terhune, H. R., assignor.)

Anderson, Richard T., Stacy, Minn. Door latch. 127,558; June 3.

Andreae, Maynard R., Detroit, Mich. Game board. 127,559; June 3.

Baker, Gladys, New York, N. Y. Dress ensemble. 127,657; June 3.

Balton, James, assignor to Maryland Baking Company, Inc., Baltimore, Md. Ice cream cone jacket. 127,627; June 3.

Balton, James, assignor to Maryland Baking Company, Inc., Baltimore, Md. Ice cream cone jacket. 127,628; June 3.

Barber, Howard B., Glenview, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Washing machine agitator. 127,576; June 3.

Barclay, Joseph R., Muncie, Ind. Combined hot air shield and filter. 127,575; June 3.

Bishop, Frank C., Atherton, and Aldus L. Hershey, San Francisco, Calif. Fire extinguisher. 127,577; June 3.

Bishop, Herman E., assignor of one-half to Charles W. Stokes, Bradford, Pa. Crocheting and knitting spindle. 127,614; June 3.

Boalen, Peter C., Detroit, Mich. Game board. 127,560; June 3.

Breer, Edna, New York, N. Y. Dress. 127,629; June 3.

Brunswick-Balke-Collender Company, The. (See Cloutier, Ellery J., assignor.)

Buccino, Margaret, New York, N. Y. Dress. 127,637; June 3.

Buccino, Margaret, New York, N. Y. Dress. 127,638; June 3.

Buchholz, Frederick H., assignor to The Esmond Mills, Inc., New York, N. Y. Blanket or similar article. 127,615; June 3.

Burke & James, Inc. (See Drucker, Albert, assignor.)

Cadwallader, Robert, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile. 127,658; June 3.

Caplan, Jack, New York, N. Y. Dress ensemble. 127,639; June 3.

Cash, Cecil C., Glen Ellyn, assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Handle for velocipede or the like. 127,561; June 3.

Cash, Cecil C., Glen Ellyn, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill. Velocipede or the like. 127,578; June 3.

Chappell, Norman W., Amersham, England. Pair of spectacles. 127,599; June 3.

Chappell, Norman W., Amersham, England. Pair of spectacles. 127,600; June 3.

Chrysler Corporation. (See Cadwallader, Robert, assignor.)

Chrysler Corporation. (See Wallace, David A., assignor.)

Cleverly, William L., Cliffside, N. J. Textile fabric or similar article. 127,616; June 3.

Cloutier, Ellery J., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Portable score table. 127,562; June 3.

Cloutier, Ellery J., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Rack for glasses or the like. 127,563; June 3.

Cohen, David C. (See Trojan, José, assignor.)

Cohn & Rosenberger Inc. (See Verrecchio, Gene, assignor.)

Cole of California, Inc. (See Fellegi, Margit, assignor.)

Corning Glass Works. (See Gardner, Paul V., assignor.)

Crowley, Daniel J., Grosse Pointe, Mich. Radio receiving set. 127,579; June 3.

Delphos Bending Company, The. (See Peltier, Leslie, assignor.)

Drucker, Albert, assignor to Burke & James, Inc., Chicago, Ill. Camera. 127,630; June 3.

Dunberg, David W., New York, N. Y. Cigarette container or similar article. 127,613; June 3.

Dunkelberger, Milton S., Dayton, Ohio. Motor unit for operating motion displays. 127,580; June 3.

Dunn, Helen M., Poughkeepsie, N. Y. Pin or similar article. 127,564; June 3.

Electrolux Corporation. (See Guild, Lurelle, assignor.)

Elliotte, Marion A., St. Petersburg, Fla. Game board. 127,565; June 3.

Esmond Mills, Inc., The. (See Buehholz, Frederick H., assignor.)

Faries Manufacturing Company. (See Livers, John F., assignor.)

Fellegi, Margit, assignor to Cole of California, Inc., Los Angeles, Calif. Play suit. 127,631; June 3.

Finnegan, George J., New York, N. Y. Textile fabric. 127,617; June 3.

Fuerst, Brooks D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 127,618; June 3.

Galter, Jack, Chicago, Ill. Cigar and cigarette lighter. 127,581; June 3.

Gamez, Edward M., Los Angeles, Calif. Brooch. 127,566; June 3.
Gardner, Paul V., assignor to Corning Glass Works, Corning, N. Y. Teapot. 127,567; June 3.
Geller, Mary, Chicago, Ill. Dress ensemble. 127,632; June 3.
Gold, Evelyn, New York, N. Y. Dress. 127,633; June 3.
Goldbert, Max L., New York, N. Y. Cigarette case or similar article. 127,582; June 3.
Gower, Clark, Nashville, Tenn. Celluloid bullet pencil. 127,598; June 3.
Guild, Lurelle, Darien, Conn., assignor to Electrolux Corporation, New York, N. Y. Vacuum cleaner. 127,612; June 3.
Gurry, Thomas F., Jr., Port Washington, N. Y. Textile fabric. 127,568; June 3.
Haase, Wilbert W., assignor to Wilbert W. Haase Co., Forest Park, Ill. Burial vault handle. 127,569; June 3.
Haase, Wilbert W., Co. (See Haase, Wilbert W., assignor.)
Hadfield, William A., Upper Darby, Pa., assignor to Pennsylvania Salt Manufacturing Company. Measuring spoon. 127,611; June 3.
Hamer, Leland S., Long Beach, Calif. Line blind. 127,619; June 3.
Hasle, Mary T. (See Quinn, A., and Hasle.)
Heisey, A. H., & Company. (See Heisey, T. Clarence, assignor.)
Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Glass ash tray or article of similar nature. 127,620; June 3.
Hershey, Aldus L. (See Bishop, Frank C., assignor.)
Hollywood Silk Mills. (See Minger, Robert E., assignor.)
Hollywood Silk Mills. (See Misen, Basil, assignor.)
Houdaille-Hershey Corporation. (See Walker, George W., assignor.)
Hoyt, Lea, New York, N. Y. Textile fabric. 127,640; June 3.
Hunziker, Max H., New York, N. Y. Handbag. 127,601; June 3.
Jagosz, Walter, Detroit, Mich. Combined radio cabinet, phonograph cabinet, and desk. 127,659; June 3.
Katz, Louis, New York, N. Y. Dress. 127,653; June 3.
Kileen, Ray. (See Krumsiek, E., and Kileen.)
Kingson, Justin I., Mount Vernon, assignor to Millburn Mills, Inc., New York, N. Y. Christmas stocking. 127,641; June 3.
Kingson, Justin I., Mount Vernon, assignor to Millburn Mills, Inc., New York, N. Y. Christmas stocking. 127,642; June 3.
Knebel, Mark, New York, N. Y. Blouse. 127,643; June 3.
Kordish, Paul, Mansfield, Ohio. Brooch. 127,570; June 3.
Krumsiek, Ernest, and R. Kileen, assignors to Mueller Co., Decatur, Ill. Drain shield. 127,610; June 3.
Lanbbaum, Maurice, New York, N. Y. Combined mirror and illuminating stand. 127,602; June 3.
La Vietes, Joseph R., Brooklyn, N. Y. Laboratory unit. 127,583; June 3.
Livers, John F., assignor to Faries Manufacturing Company, Decatur, Ill. Fluorescent floor lamp. 127,584; June 3.
Lorenzen, Arnold I., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 127,585; June 3.
Lorenzen, Arnold I., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 127,586; June 3.
MacArthur, Thomas C., Berkeley, Calif. Combination shelf bracket and garment hanger. 127,587; June 3.
Maryland Baking Company. (See Balton, James, assignor.)
Metiox Manufacturing Company. (See Romanelli, Carl, assignor.)
Milburn Mills, Inc. (See Kingson, Justin I., assignor.)
Minger, Robert E., Manhattan Beach, assignor to Hollywood Silk Mills, Los Angeles, Calif. Textile fabric or similar article. 127,608; June 3.
Minger, Robert E., Manhattan Beach, assignor to Hollywood Silk Mills, Los Angeles, Calif. Textile fabric or similar article. 127,609; June 3.
Misen, Basil, Hermosa Beach, assignor to Hollywood Silk Mills, Los Angeles, Calif. Textile fabric or similar article. 127,609; June 3.
Montgomery Ward & Co. (See Barber, Howard B., assignor.)
Montgomery Ward & Co. (See Cash, Cecil C., assignor.)
Mueller Co. (See Krumsiek, E., and Kileen, assignors.)
Nickle, Burr, Butler, Pa. Combination tip and holder for broom handles and the like. 127,603; June 3.
Owen, Frank M., Pasadena, Tex. Combination work bench and tool chest. 127,588; June 3.
Owen Householder. (See Trojan, José, assignor.)
Owens-Illinois Glass Company. (See Fuerst, Brooks D., assignor.)
Owens-Illinois Glass Company. (See Lorenzen, Arnold I., assignor.)
Panzer, William C., assignor to Russakov Can Company, Chicago, Ill. Smoker's ash stand. 127,621; June 3.
Patterson, Edmund M., New York, N. Y. Textile fabric. 127,644; June 3.
Peltier, Leslie, Delphos, Ohio, assignor to The Delphos Bending Company, Delphos, Ohio. Baby's collapsible walker or similar article. 127,589; June 3.
Pennsylvania Salt Manufacturing Company. (See Hadfield, William A., assignor.)
Posner, Harry, New York, N. Y. Dress. 127,634; June 3.
Prina, Frank R., New York, N. Y. Combination clip support and cosmetic containers. 127,608; June 3.
Quinn, Ada, and M. T. Hasle, Ogden, Utah. Apron. 127,645; June 3.
Recht, Bessie, St. Louis, Mo. Dress. 127,635; June 3.
Reilly, Alfred F., North Attleboro, Mass. Hand mirror frame or the like. 127,590; June 3.
Reinecke, Jean O., Oak Park, Ill., assignor to Vestal Chemical Company, St. Louis, Mo. Foot pump. 127,591; June 3.
Richman, Ruth, New York, N. Y. Dress. 127,646; June 3.
Richman, Ruth, New York, N. Y. Dress. 127,660; June 3.
Ristbeam Corporation. (See Wyatt, John L., assignor.)
Rivkin, Benjamin, New York, N. Y. Child's bootee. 127,604; June 3.
Romanelli, Carl, Los Angeles, assignor to Metlox Manufacturing Company, Manhattan Beach, Calif. Vase or similar article. 127,605; June 3.
Rosenshein, Philip, New York, N. Y. Coat. 127,654; June 3.
Rost, Katheryn, New York, N. Y. Dress. 127,661; June 3.
Rost, Katheryn, New York, N. Y. Dress. 127,662; June 3.
Russakov Can Company. (See Panzer, William C., assignor.)
Saylor, Leslie R., Los Angeles, Calif. Combined clothing support and garment hanger. 127,592; June 3.
Sherman, Sylvia, New York, N. Y. Textile fabric. 127,571; June 3.
Shuman, Albert, New York, N. Y. Reflector. 127,593; June 3.
Stewart, Gladys, Oakland, Calif. Hand carried traffic signal. 127,594; June 3.
Stewart, William G., Riverside, Ontario, Canada. Game board. 127,572; June 3.
Stokes, Charles W. (See Bishop, Herman E., assignor.)
Terhune, Herman R., Ridgewood, N. J., assignor to American Bleached Goods Company, Inc., New York, N. Y. Textile fabric. 127,622; June 3.
Tips, Carl A., New York, N. Y. Textile fabric. 127,623; June 3.
Tips, Carl A., New York, N. Y. Textile fabric. 127,624; June 3.
Tips, Carl A., New York, N. Y. Textile fabric. 127,625; June 3.
Trojan, José, Chicago, Ill., assignor to Owen Householder and David C. Cohen, copartners, doing business as Crystal Manufacturing Co. Merchandise display case. 127,573; June 3.
Tucker, Alice A., Grosse Pointe Farms, Mich. Cape. 127,647; June 3.
Vacca, Rosario, New York, N. Y. Suit. 127,663; June 3.
Valliere, Arthur, Newtonville, Mass. Religious shrine. 127,626; June 3.
Varney, William B., Los Angeles, Calif. Shoe. 127,607; June 3.
Verreechio, Gene, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Combined brooch and locket. 127,648; June 3.
Vestal Chemical Company. (See Reinecke, Jean O., assignor.)
Vivian, Helen C., Miami, Fla. Nose appliance or similar article. 127,595; June 3.
Walker, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile bumper or similar article. 127,606; June 3.
Walker, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile bumper or similar article. 127,664; June 3.
Wallace, David A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Automobile. 127,649; June 3.
Walsh, Thaddeus A., Chicago, Ill. Lighting fixture. 127,596; June 3.
Wyatt, John L., assignor to Ristbeam Corporation, Chicago, Ill. Wrist flashlight. 127,597; June 3.
Zanft, Hattie C., Red Bank, N. J. Dress. 127,650; June 3.
Zanft, Hattie C., Red Bank, N. J. Dress. 127,651; June 3.
Zanft, Hattie C., Red Bank, N. J. Dress. 127,652; June 3.
Zanft, Hattie C., Red Bank, N. J. Dress. 127,665; June 3.
Zanft, Hattie C., Red Bank, N. J. Suit. 127,666; June 3.
Zanft, Hattie C., Red Bank, N. J. Dress. 127,667; June 3.
Zimmerman, Allan, New York, N. Y. Textile fabric. 127,574; June 3.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF JUNE, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ablah, Harvey J., Wichita, Kans. Bread toaster. 2,244,039; June 3.
Adams, Elmer W., Hammond, Ind., and F. H. MacLaren, Calumet City, assignors to Standard Oil Company, Chicago, Ill. Soluble oil. 2,243,994; June 3.
Aghnides, Elie, New York, N. Y. Connector for taps, pipes, and the like. 2,244,280; June 3.
Ajero, Fortunato, assignor of one-fourth to A. J. Moran, Detroit, Mich. Hydraulic transmission. 2,244,509; June 3.
Aktiebolaget Milo. (See Lysholm, Alf, assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Erni, Edoardo, assignor.)
Alden, Carroll R., assignor to Ex-Cell-O Corporation, Detroit, Mich. Nozzle. 2,243,995; June 3.
Aldrich Pump Company, The. (See Shelly, Llewellyn W., assignor.)
Ales, Paul. (See Eyrick, Leon S., assignor.)
Alexander, John R., Elizabeth, N. J. Apparatus for cleaning and conditioning drums. 2,244,040; June 3.
Alibert, Jean-Marie, Tassin-la-Demi-Lune, assignor to Société Rhodiaceta, Paris, France. Cellulosic structure, apparatus and method for producing same. 2,244,281; June 3.
Allen, Charles E., Arvada, Colo. Garage door. 2,244,182; June 3.
Alliance Manufacturing Company, The. (See Schneider, Emmor V., assignor.)
Allis-Chalmers Manufacturing Company. (See Strehlow, Walter F., assignor.)
Allyn, William N. (See Palmeter, Harry E., assignor.)
Almer, Gunnar B., Karlskoga, Sweden, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,244,229; June 3.
Almond, John R., assignor to The Midland Steel Products Company, Cleveland, Ohio. Valve for bus door operating mechanisms. 2,243,937; June 3.
Alsop, William G. (See Ashburn, H. V., and Alsop.)
Aluminum Company of America. (See Bohn, Donald I., assignor.)
American Car and Foundry Company. (See Dietrichson, William F., assignor.)
American Cyanamid Company. (See Ericks, Walter P., assignor.)
American Cyanamid Company. (See Hill, William H., assignor.)
American District Telegraph Company. (See Kleinknecht, William J., assignor.)
American Electric Fusion Corporation. (See von Henke, E. J., and Grothe, assignors.)
American Humidaire Corporation. (See Smith, F. N., and Lamb, assignors.)
American Iron and Machine Works Company. (See Cole, John R., assignor.)
American Lurgi Corporation. (See Herbert, Wilhelm, assignor.)
American Optical Company. (See Wells, Joel C., assignor.)
American Smelting and Refining Company. (See Pomeroy, Ralph E. H., assignor.)
American Steel Foundries. (See Armstrong, George M., assignor.)
American Telephone and Telegraph Company. (See Anderson, Gustave A., assignor.)
American Telephone and Telegraph Company. (See Andrews, Joseph F., assignor.)
American Telephone and Telegraph Company. (See Anspach, Russell J., assignor.)
American Telephone and Telegraph Company. (See Cosgrove, Frank A., assignor.)
American Telephone and Telegraph Company. (See Crofford, Daniel O., assignor.)
American Telephone and Telegraph Company. (See Martin, W. B., and Townsend, assignors.)
American Telephone and Telegraph Company. (See Nelswinter, James T., assignor.)
American Viscose Corporation. (See Hanse, William C., assignor.)
Amidon, Roy C., St. Johnsville, N. Y. Knitting machine and method. 2,243,850; June 3.
Amiot, Felix, Neuilly-sur-Seine, France. Direct air cooled engine. 2,244,594; June 3.
Amiot, Felix, Neuilly-sur-Seine, France. Guiding means, especially in machines for delivering rivets. 2,244,595; June 3.
Andersen, Anders K. (See Polonec, L., and Andersen.)
Anderson, Albert F., San Francisco, Calif. Antiswirl device. 2,244,479; June 3.
Anderson, Gustave A., Albany, N. Y., assignor to American Telephone and Telegraph Company. Automatic telephone system. 2,244,596; June 3.
Anderson, John, Funk, Nebr. Rocker wheel assembly. 2,244,510; June 3.
Andrews, Joseph F., New York, N. Y., assignor to American Telephone and Telegraph Company. Transmission measuring system. 2,244,041; June 3.
Andrieu, Robert, and H. Brändle, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Circuit arrangement for television receivers. 2,244,230; June 3.
Anné, Charles T., L. V. Phillips, and W. Schwarz, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Filtration. 2,244,412; June 3.
Anspach, Russell J., Westfield, N. J., assignor to American Telephone and Telegraph Company. Telegraph system. 2,244,597; June 3.
Anthony, Herman R. C., Madison, Wis., assignor to Ray-O-Vac Company. Leakproof dry cell. 2,243,938; June 3.
Antonsen, Anker K., Cedar Falls, Iowa, and H. Davids, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill. Internal combustion engine. 2,244,323; June 3.
Applied Sugar Laboratories, Inc. (See Kochli, Ernest G., assignor.)
Archer, Capelle H., Richmond, Va. Combination leg and back rest. 2,244,440; June 3.
Archer, John. (See Eaglesfield, C. C., and Archer.)
Armbruster, John W., East Rockaway, assignor to International Business Machines Corporation, New York, N. Y. Statistical record. 2,244,231; June 3.
Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Precision indicating apparatus for machine tools. 2,244,413; June 3.
Armstrong, George M., Nashville, Tenn., assignor to American Steel Foundries, Chicago, Ill. Brake beam fulcrum. 2,244,232; June 3.
Arndt, Franklin E., Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Spreader. 2,243,939; June 3.
Arndt, Franklin E., Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Spreader. 2,244,414; June 3.
Arndt, Franklin E., Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Spreader. 2,244,480; June 3.
Arnold, William W., Jr., Knoxville, Tenn., assignor to Callaway Mills, La Grange, Ga. Yarn twisting and stabilizing machine. 2,244,415; June 3.
Arrizabala, Augustin M., Emmett, Idaho. Motor vehicle door lock. 2,244,441; June 3.
Ash, Richard F., Alton, Ill. Automobile turntable. 2,244,598; June 3.
Ashburn, Harry V., Glenham, and W. G. Alsop, Fishkill, assignors to The Texas Company, New York, N. Y. Lubricating oil. 2,244,416; June 3.
Ashton, Philip E., and S. L. Wolfson, Meriden, Conn.; said Wolfson assignor to said Ashton, Electric cigar lighter. 2,244,233; June 3.
Ashton, Philip E., and S. L. Wolfson, Meriden, Conn.; said Wolfson assignor to said Ashton. Electric heater. 2,244,234; June 3.
Atchison, Leonard W., Schenectady, N. Y., assignor to General Electric Company. Differential pressure valve. 2,244,382; June 3.
Atkinson, Flavius W. (See Slayter, G., Atkinson, and Fletcher.)
Atlantic Refining Company, The. (See Ferris, S. W., and Birkhimer, assignors.)
Atlantic Refining Company, The. (See Marks, Ernest M., assignor.)
Atwell, Harold V., White Plains, assignor to Process Management Company, Incorporated, New York, N. Y. Treatment of hydrocarbons. 2,244,636; June 3.
Atwood Vacuum Machine Company. (See Miller, Kay, assignor.)
Audubon Wire Cloth Corporation. (See Guba, Raymond J., assignor.)
Austin, Paul R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric materials. 2,244,183; June 3.
Austin, Paul R., and B. Graham, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Urea-polyamide-formaldehyde resin. 2,244,184; June 3.
Automatic File & Index Co. (See Houston, E. R., Dachlet, and Hauser, assignors.)
Automotive Products Company Limited. (See Parker, Sydney M., assignor.)

Ayres, Waldemar A., assignor to International Business Machines Corporation, New York, N. Y. Cycloramic optical system. 2,244,235; June 3.
Babcock & Wilcox Company, The. (See Heller, Lewis W., assignor.)
Babcock & Wilcox Company, The. (See Hodge, James C., assignor.)
Bacon, Everett L., Houston, Tex. Inertia register for vehicles. 2,244,417; June 3.
Badger Meter Manufacturing Company. (See Krueger, Emil M., assignor.)
Bakewell, Harding F., San Marino, Calif. Tool mounting. 2,244,185; June 3.
Ball, Bernard A., Smethport, Pa. Counterbalancing device. 2,243,940; June 3.
Ball Brothers Company. (See Wadsworth, Frank L. G., assignor.)
Ballantine, James S. (See Youngs, A. M., and Ballantine.)
Ballard, Bernard T. (See McNeil, W. M., and Ballard.)
Banks, Daniel B., Drexel Hill, assignor to Sun Oil Company, Philadelphia, Pa. Catalytic converter. 2,244,599; June 3.
Banner, Harlan A., Canonsburg, Pa. Fastener for skid chains. 2,244,600; June 3.
Barder, Earl H., and C. E. Snyder, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Inner tube. 2,244,481; June 3.
Bardet, George A. and G. V., Berkeley, assignors to M. J. B. Company, San Francisco, Calif. Solder tipping keys. 2,244,236; June 3.
Bardet, George V. (See Bardet, George A. and G. V.)
Barlow, Robert C., assignor to Logan Co. Inc., Louisville, Ky. Sheet metal hinge construction. 2,244,042; June 3.
Barnett, Virginia L., et al. (See Marcum, Jacob L., assignor.)
Barron, Anderson Company. (See Freda, V., and Sunderland, assignors.)
Barth, Jay E., Detroit, Mich., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Positioning mechanism. 2,244,601; June 3.
Bartman, Henry N., Chicago, Ill. Convertible waistband for trousers. 2,244,602; June 3.
Bastian-Blessing Company, The. (See Hooper, Virgil I. and L. G., assignors.)
Baton Rouge Water Works Company. (See Eldridge, Lonnie C., assignor.)
Bauer, Karl, Berlin-Lichterfelde, Germany. Gyroscopic apparatus. 2,244,603; June 3.
Baughman, Bernice G., administratrix. (See Baughman, Samuel E., assignor.)
Baughman, Samuel E., Broadwell, Ill., deceased, B. G. Baughman, administratrix. Broadcasting machine. 2,243,996; June 3.
Baughn, Samuel C., East St. Louis, Ill. Rail anchor. 2,243,830; June 3.
Baxter, Donald L., Rutherford, N. J., and J. P. Reis, Hempstead, assignors to The Western Union Telegraph Company, New York, N. Y. Compression joint tool. 2,244,482; June 3.
Baxter, William L., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe rest. 2,244,043; June 3.
Bayne, Royal C., assignor of twenty per cent to E. R. Wagner, and forty per cent to C. E. Cochran, St. Louis, Mo. Valve. 2,244,483; June 3.
Bedford, Alda V., Collingswood, and K. J. Magnusson, Merchantville, N. J., assignors to Radio Corporation of America. Camera supporting pedestal. 2,243,892; June 3.
Beers, Roland F., Dallas, Tex. Analyzing and determining the geologic strata below the surface of the earth. 2,244,484; June 3.
Beimes, Harry A., et al. (See Marien, Charles A., assignor.)
Belknap, George J., Fairfield, assignor to The Belknap Manufacturing Company, Bridgeport, Conn. Method and system of heating. 2,244,237; June 3.
Belknap Manufacturing Company, The. (See Belknap, George J., assignor.)
Bell, Arthur R., assignor of one-fourth to W. J. Horn, and one-fourth to F. S. Horn, Philadelphia, and one-fourth to A. J. Miller, Bala Cynwyd, Pa. Stocking. 2,244,604; June 3.
Bell Telephone Laboratories, Incorporated. (See Booth, R. P., and Odarenko, assignors.)
Bell Telephone Laboratories, Incorporated. (See Burton, Everett T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Erwin, Edson L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Knoop, William A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Krebs, Luther E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Lakatos, Emory, assignor.)
Bell Telephone Laboratories, Incorporated. (See Nyquist, Harry, assignor.)
Bell Telephone Laboratories, Incorporated. (See Skellett, Albert M., assignor.)
Bender, Harry, Antioch, Calif., assignor to The Dow Chemical Company, Midland, Mich. Process for the production of an alkyl bromide. 2,244,324; June 3.
Bendix Aviation Corporation. (See Sekella, Youston, assignor.)
Benkelman, Glen F., Cleveland, Ohio, assignor to Continental Carbon, Inc. Resistor and method for making same. 2,244,548; June 3.
Bennet, Carl W. H. D., Stockholm, assignor to L. G. V. Bennet, Runeborg, Stocksund, Sweden. Fluid engine. 2,244,418; June 3.
Bennet, Louise G. V. (See Bennet, C. W. H. D., assignor.)
Benoit, Albert C., Shreveport, La. Folding seat. 2,244,605; June 3.
Benson, Richard E., Buffalo, N. Y. Preparing siliceous base exchange substances. 2,244,383; June 3.
Berg, Louis B., assignor to Borg-Warner Corporation, Chicago, Ill. Filler wire supply means. 2,244,511; June 3.
Berger, Emil J., Hatfield, and H. W. Matthews, assignors to Dexdale Hosiery Mills, Lansdale, Pa. Apparatus for treating textiles. 2,243,907; June 3.
Bergstein, Robert M., Cincinnati, Ohio. Making liquid-tight containers. 2,244,282; June 3.
Bergstrom, Victor J. (See Pink, I. M., and Bergstrom.)
Berlin, Ludwig W. (See Schlichenmaier, H., Berlin, and Berthold.)
Berner, Leo, Huntington Park, Calif. Scraper. 2,243,831; June 3.
Berthold, Erich. (See Schlichenmaier, H., Berlin, and Berthold.)
Best, Frank E., Inc. (See Best, Frank E., assignor.)
Best, Frank E., Indianapolis, Ind., assignor to Frank E. Best, Inc., Seattle, Wash. Knob and knob locking means. 2,244,238; June 3.
Better, Adolph, assignor to Reinnad Novelty Co., Inc., New York, N. Y. Linkage. 2,244,637; June 3.
Bickle, Samuel E., Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Refrigeration apparatus. 2,244,485; June 3.
Bigelow, Maurice H., assignor to Plaskon Company, Incorporated, Toledo, Ohio. Preparation of formaldehyde-urea molding compositions. 2,244,283; June 3.
Bigelow, Julian H., Endicott, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J. Rail flaw detection. 2,244,606; June 3.
Bird, Paul G., Western Springs, Ill. Colloidal solutions of inorganic oxides. 2,244,325; June 3.
Birkhimer, Edwin R. (See Ferris, S. W., and Birkhimer.)
Birtman Electric Company. (See Sparklin, Charles H.)
Bischoff, Kurt, and B. Woernle, Erlangen, assignors to the firm Siemens-Reiniger-Werke Aktiengesellschaft, Berlin, Germany. Protective switching means for Roentegen apparatus. 2,244,137; June 3.
Bishop, Benjamin F., assignor of ten per cent to J. L. Monnahan, Minneapolis, Minn. Fuse light. 2,244,044; June 3.
Bissinger, Peter, Berlin, Germany, assignor to General Electric Company. Fluid pressure supply system. 2,244,384; June 3.
Blakeley, Karl T., Wills Point, Tex. Pump jack. 2,244,607; June 3.
Blakeslee, William W., Brattleboro, Vt. Laminated drawing board. 2,244,540; June 3.
Blau, Ludwig W., Houston, Tex., assignor to Standard Oil Development Company. Drill bit for boring wells. 2,243,998; June 3.
Blauvelt, Warren S., Troy, N. Y. Conveyer for loose material. 2,244,442; June 3.
Block, Harold C. (See Layne, L. A., Block, and Roco.)
Blumlein, Alan D., London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Electromagnetic coil. 2,243,893; June 3.
Blumlein, Alan D., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Direct current inserting device. 2,244,240; June 3.
Blumlein, Alan D., Ealing, London, and R. E. Spencer, West Ealing, London, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Television system. 2,244,239; June 3.
Boardman, Ralph H., assignor to The Stanley Works, New Britain, Conn. Shears. 2,244,638; June 3.
Bobo, Stephen N., assignor to R. P. Sniffen, New York, N. Y. Ceramic burner unit for broilers. 2,244,045; June 3.
Boelter, Rudolph G., Chicago, assignor of one-half to R. Skogland, Geneva, Ill. Plaster bolt or the like. 2,243,894; June 3.
Boggs, Hugh F., Long Beach, and O. P. Yowell, La Habra Heights, Calif., assignors to Halliburton Oil Well Cementing Company. Cementing tool. 2,244,354; June 3.
Bohn, Donald I., assignor to Aluminum Company of America, Pittsburgh, Pa. Welding apparatus and method. 2,243,832; June 3.
Bohn, Donald I., assignor to Aluminum Company of America., Pittsburgh, Pa. Transientless timer. 2,243,833; June 3.
Bone, Herbert L., Forest Hills, W. E. Smith, Pittsburgh, and R. A. Woods, assignors to The Union Switch & Signal Company, Swissvale, Pa. Circuit controller. 2,243,326; June 3.
Booth, Richard P. West Orange, N. J., and T. M. Odarenko, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wire line transmission. 2,243,851; June 3.
Borg-Warner Corporation. (See Berg, Louis B., assignor.)

Borg-Warner Corporation. (See Bickle, Samuel E., assignor.)
Borg-Warner Corporation. (See Darbyshire, Leonard H., assignor.)
Borg-Warner Corporation. (See Emerson, John R., assignor.)
Borg-Warner Corporation. (See Loomis, Peter B., assignor.)
Borg-Warner Corporation. (See Mueller, Moritz L., assignor.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Heinrich, H., Volt, and Hurst, assignors.)
Bosch, Robert, G. m. b. H. (See Klein, H., and Rothermel, assignors.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Menzel, Friedrich, assignor.)
Bosch, Robert, Gesellschaft mit beschränkter Haftung. (See Traub, Eberhard, assignor.)
Botham, Kenneth J., and L. Jaworski, Minneapolis, Minn., assignors to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,244,005; June 3.
Bouwers, Albert, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. High-tension electrical system. 2,243,941; June 3.
Bowser, S. F., & Company. (See Delaney, John J., assignor.)
Bowser, S. F., & Company. (See Marvel, Harvey E., assignor.)
Bradley Washfountain Company. (See Heine, H. E., and Mullett, assignors.)
Bradshaw, Granville, assignor to The Bradshaw Patent Screw Company (Foreign) Limited, London, England. Screw. 2,244,046; June 3.
Bradshaw Patent Screw Company (Foreign) Limited. (See Bradshaw, Granville, assignor.)
Brady, Samuel P., Jr., Baltimore, Md. Carriage return mechanism. 2,244,443; June 3.
Brailsford, Joseph D. (See Rust, N. M., Brailsford, Oliver, and Ramsay.)
Brändle, Heinrich. (See Andrieu, R., and Brändle.)
Brandt, Robert L., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Preparation of aliphatic-aromatic sulphonates. 2,244,512; June 3.
Brassert, H. A., & Company. (See Brassert, Herman A., assignor.)
Brassert, Herman A., assignor to H. A. Brassert & Company, Chicago, Ill. Production of steel. 2,244,385; June 3.
Braun, Henry W., Coldwater, Mich. Flour sifter. 2,244,186; June 3.
Brazell, John J., assignor to E. L. Thompson Chair Corporation, Baldwinsville, Mass. Child's chair and walker. 2,244,096; June 3.
Brelsford, Jay O. (See Gustin, A. L., and Brelsford.)
Brett, George F., Chelmsford, and N. Levin, Finchley, London, England, assignors to Radio Corporation of America. Fixed plate variable capacity condenser. 2,243,829; June 3.
Briggs, Leland G., Madison, Wis., assignor to Ray-O-Vac Company. Hearing aid battery. 2,243,942; June 3.
Brisbane, Eugene C. (See Golt, L. E., and Brisbane.)
Britner, Lester C., Santa Rosa, Calif. Clothes display hanger. 2,244,355; June 3.
Britton, Edgar C., and G. H. Coleman, assignors to The Dow Chemical Company, Midland, Mich. Dielectric agents and making same. 2,244,284; June 3.
Brodén, John G. M., assignor to Kockums Mekaniska Verkstads Aktiebolag, Malmo, Sweden. Fluid-operated alarm. 2,244,285; June 3.
Broido, Daniel, London, England. Record controlled statistical machine. 2,244,647; June 3.
Brooks, Eugene H., Dallas, Tex., assignor to Continental Gin Company. Control apparatus for cotton gins. 2,244,529; June 3.
Brown, Cuthbert J. (See Mason, C. E., and Brown.)
Brown, Jesse F., assignor to Reed Roller Bit Company, Houston, Tex. Thread conditioning tool. 2,244,138; June 3.
Brown, Raymond W., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Magnetizing apparatus. 2,243,836; June 3.
Brown, William F., Flushing, N. Y. Beverage machine. 2,243,895; June 3.
Brundage, Alfred H., Maplewood, N. J. Method and apparatus for regulating the temperature of fluids. 2,244,327; June 3.
Brunner, Anton J., Congress Park, and B. M. A. Trebes, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Die casting machine. 2,243,835; June 3.
Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Cross-adding accounting machine and programing means therefor. 2,244,241; June 3.
Buckeye Steel Castings Company. (See Johnson, George T., assignor.)
Buckingham, George F., Oakland, Calif. Propeller. 2,244,139; June 3.
Bucklin, Kenneth G., West Orange, N. J., assignor to Radio Corporation of America. Cathode sleeve. 2,244,356; June 3.
Budd, Edward G., Manufacturing Company. (See Dean, Albert G., assignor.)
Budelman, Frederick T., Little Falls, N. J., assignor to F. M. Link, New York, N. Y. Noise suppressor circuits. 2,244,639; June 3.
Bugler, Arthur G., Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for winding electrical coils. 2,243,837; June 3.
Buhler, Eugen, Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Printing machine. 2,244,242; June 3.
Buhrkuhl, H. A. (See Evans, Henry L., assignor.)
Bunting, Clarence W., La Grande, Oreg. Boxing ring. 2,243,943; June 3.
Burgess, Richard H., San Antonio, Tex. Exercising device. 2,244,444; June 3.
Burkart, F., Manufacturing Company. (See Burkart, Oliver R., assignor.)
Burkart, Oliver R., Webster Groves, Mo., assignor to F. Burkart Manufacturing Company. Fibrous padding and making the same. 2,244,097; June 3.
Burkholder, Alden H. (See Kline, H. B., Knebusch, and Burkholder.)
Burrows, David D. (See Topel, R., and Burrows.)
Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Sweep circuit for cathode ray oscillograph. 2,244,513; June 3.
Busick, William W., Los Angeles, Calif. Toothbrush. 2,244,098; June 3.
Butter, Karl, Rostock, assignor to E. Heinkel, Warnemunde, Germany. Holder-up for riveting. 2,244,047; June 3.
Butter, Karl, Rostock, assignor to E. Heinkel, Warnemunde, Germany. Rivet guiding means. 2,244,048; June 3.
Caldwell, Frank W., Hartford, and E. Martin, West Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Hydraulic intermediate pitch limit stop. 2,243,852; June 3.
Caldwell, Harry F., assignor to Oliver Machinery Company, Grand Rapids, Mich. Label attaching machine. 2,244,140; June 3.
Callahan, Oscar L., West Frankfort, Ill. Electrode holder. 2,244,286; June 3.
Callaway Mills. (See Arnold, William R., Jr., assignor.)
Callite Tungsten Corporation. (See Kurtz, Jacob, assignor.)
Camilli, Guglielmo, Pittsfield, Mass., assignor to General Electric Company. Transformer. 2,244,386; June 3.
Camp, William M., Glen Ridge, assignor to The Clark Thread Company, Newark, N. J. Spinning or twisting mechanism. 2,244,141; June 3.
Capps, Frank R., Jacksonville, Fla. Veneer cutting machine. 2,244,040; June 3.
Carbide and Carbon Chemicals Corporation. (See Patton, Carl W., assignor.)
Cardinal Products, Inc. (See Schmitt, G. P., and Richards, assignors.)
Carley, Leonard R., assignor to The Patent Button Company, Waterbury, Conn. Button. 2,244,287; June 3.
Carlsson, Oscar G., Stockholm, Sweden. Low level water closet. 2,244,530; June 3.
Carnahan, Frank G., Akron, Ohio. Producing self-sealing tire inner tubes. 2,244,648; June 3.
Carpenter, Robert F., and C. J. Daugherty, assignors, by mesne assignments, to The Sanymetal Products Co., Inc., Cleveland, Ohio. Sectional partition. 2,244,649; June 3.
Carson, Robert N., Ross, and T. C. O'Connell, San Rafael, Calif. Hand protector. 2,244,445; June 3.
Cassiere, Alphonse T., assignor to F. L. Rogers, Long Beach, Calif. Feed mechanism. 2,244,050; June 3.
Castner, James B., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Inhibiting corrosion. 2,243,853; June 3.
Cedar Rapids Engineering Company. (See Dunn, Allen I., assignor.)
Celanese Corporation of America. (See Finlayson, D., Greenwood, and Dee, assignors.)
Celanese Corporation of America. (See Flanagan, B. J., and Mellor, assignors.)
Celanese Corporation of America. (See Mann, R. J., and Mellor, assignors.)
Central Commercial Company. (See Zoller, L. J., and Farnham, assignors.)
Chandler, Frank J., Toledo, Ohio. Perforating method and apparatus. 2,244,550; June 3.
Chaplin Corporation. (See Chaplin, Merle P., assignor.)
Chaplin, Merle P., Portland, assignor to Chaplin Corporation, South Portland, Maine. Molded pulp article. 2,244,486; June 3.
Chapple, Charles C., assignor to The Children's Hospital of Philadelphia, Philadelphia, Pa. Baby incubator and the like. 2,243,999; June 3.
Charonnat, Raymond, Ivry sur Seine, and A. Horeau, assignors to Chimie et Atomistique, Paris, France. Preparing biliary acids having a ketonic function. 2,244,328; June 3.
Chase, Chauncy D., Los Angeles, assignor to Food Machinery Corporation, San Jose, Calif. Rotary cutter. 2,244,099; June 3.
Chicago Pneumatic Tool Company. (See Davis, Arthur C., assignor.)

Chicago Railway Equipment Company. (See Le Beau, Ernest A., assignor.)
Children's Hospital of Philadelphia, The. (See Chapple, Charles C., assignor.)
Chimie et Atomistique. (See Charonnat, R., and Horeau, assignors.)
Christianson, Andrew, Hammond, Ind., and P. Parke, Chicago, Ill. Diaphragm faceplate arrangement. 2,243,854; June 3.
Cincinnati Bickford Tool Company, The. (See Schauer, Lawrence L., assignor.)
Clark, Ernest, Brockton, Mass. Mechanism for driving the worker rolls of wool cards. 2,244,446; June 3.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Dielectric composition. 2,244,387; June 3
Clark Thread Company. The. (See Camp, William M., assignor.)
Clarkson, William S., Ann Arbor, Mich. Fluid meter. 2,244,329; June 3.
Clausen, Sigurd, Brooklyn, N. Y., assignor to International Cigar Machinery Company. Method and apparatus for inserting draft elements in cigars. 2,244,142; June 3.
Cleveland Pneumatic Tool Company, The. (See Greve, Louis W., assignor.)
Cleveland Pneumatic Tool Company, The. (See Wallace, John F., assignor.)
Cleveland Rock Drill Company, The. (See Smith, William A., Jr., assignor.)
Cochran, Charles E., et al. (See Bayne, Royal C., assignor.)
Cochran, Joseph T., assignor to Coppertone, Inc., Chicago, Ill. Molding printing cuts from photographic plates. 2,244,187; June 3.
Colby, Frank J., Forest City, Iowa. Flashlight holder. 2,244,288; June 3.
Colchester, Christopher, D., Sanderstead, Surrey, England, assignor to Radio Corporation of America. Transmission circuits. 2,244,001; June 3.
Cole, John R., assignor to American Iron and Machine Works Company, Oklahoma City, Okla. Actuating lever mechanism for reciprocating valve stems. 2,244,100; June 3.
Coleman, Gerald H. (See Britton, E. C., and Coleman.)
Coleman, Gerald H. (See Moyle, C. L., and Coleman.)
Colgate-Palmolive-Peet Company. (See Brandt, Robert L., assignor.)
Collins, Hubert D., Tulsa, Okla. Casing pump for oil wells and the like. 2,244,051; June 3.
Columbus Bolt Works Company, The. (See Johns, Stanton D., assignor.)
Combustion Engineering Company. (See Kruger, Theodore, assignor.)
Combustion Engineering Company. (See Marshall, Leonard J., assignor.)
Commonwealth Trust Co., executor, et al. (See Murray, H. J., and Rugg.)
Compo Shoe Machinery Corporation. (See Smith, John F., assignor.)
Comstock, Gregory J., Fairfield, Conn. Forming hard cemented carbide products. 2,244,052; June 3.
Comstock, Gregory J., Fairfield, Conn. Hard cemented carbide composition. 2,244,053; June 3.
Conlin, Edward J., assignor to The G. E. Prentice Mfg. Co., New Britain, Conn. Machine for making separable fastener elements. 2,244,243; June 3.
Continental Carbon, Inc. (See Benkelman, Glen F., assignor.)
Continental Gin Company. (See Brooks, Eugene H., assignor.)
Continental Gin Company. (See Morgan, George C., assignor.)
Continental Gin Company. (See Smith, Algernon L., assignor.)
Cooper, Hugh S., assignor to Cooper-Wilford-Beryllium, Ltd., New York, N. Y. Making alloys of aluminum beryllium. 2,244,608; June 3.
Cooper-Wilford-Beryllium, Ltd. (See Cooper, Hugh S., assignor.)
Cope, Kenneth B. (See Swartz, Richey L., assignor.)
Coppertone, Inc. (See Cochran, Joseph T., assignor.)
Cordier, David E., assignor to Plaskon Company, Incorporated, Toledo, Ohio. Preparation of infusible resins. 2,244,289; June 3.
Cornell, Edward S., Jr., Larchmont, N. Y. Pressure-tight bearing. 2,244,054; June 3.
Cosgrove, Frank A., West Orange, N. J., assignor to American Telephone and Telegraph Company. Calling device. 2,244,609; June 3.
Costello, Alfred B., Niagara Falls, N. Y. Gas analysis apparatus. 2,244,610; June 3.
Couden, Earl R., Chicago, Ill. Spreading disks. 2,244,611; June 3.
Craig, Robert S. (See Holmes, G. I., and Craig.)
Crawford, John W. C., Frodsham, England, assignor to Imperial Chemical Industries Limited. Dimethyl alpha, alpha'-dimethyldihydromuconate. 2,244,487; June 3.
Crawford, Robert B. P., Miami, Fla., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,244,551; June 3.
Crofford, Daniel O., Millvale, Pa., assignor to American Telephone and Telegraph Company. Interrupter circuit. 2,244,058; June 3.
Crosby, Stephen A., assignor to Speed Products Company, New York, N. Y. Paper fastener. 2,243,855; June 3.
Crowley, John A., Jr., Woodubury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Contact catalytic process. 2,244,612; June 3.
Crown Cork & Seal Company. (See Goebel, G., and Rau, assignors.)
Cunningham, Harry G., Los Angeles, Calif. Drafting machine. 2,243,838; June 3.
Cupples, Charles H., Red Bank, N. J. Device for supplying food to fish or land animals. 2,243,896; June 3.
Curran, James M., and G. H. Tront, Omaha, Nebr. Chair for aerial tramways. 2,244,650; June 3.
Cuyahoga Furniture & Lamp Company. (See Icove, V. B., and Kaplan, assignors.)
Cwiekalo, John, Iselin, N. J. Computing device for menstruation cycles. 2,244,514; June 3.
Dachlet, Joseph F. (See Houston, E. R., Dachlet, and Hauser.)
Daimler-Benz Aktiengesellschaft. (See Hofstetter, Alfons, assignor.)
Daimler-Benz Aktiengesellschaft. (See Meiswinkel, Samuel, assignor.)
D'Alello, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Preparing esters of methacrylic acid. 2,244,389; June 3.
Dalton, Alfred J., assignor to Industrial Sheet Metal Works, Inc., Detroit, Mich. Spray booth. 2,243,839; June 3.
Dann, Joseph A., Miami, Fla. Combined wheeled toy and exercising device. 2,244,447; June 3.
Danner, Harry M., Euclid, Ohio. Filter. 2,244,188; June 3.
Darbyshire, Leonard H., Detroit, Mich., assignor to Borg-Warner Corporation. Cabinet construction. 2,244,488; June 3.
Darling, L. A., Company. (See Larson, Milton H., assignor.)
Daugherty, Clyde J. (See Carpenter, R. F., and Daugherty.)
Davids, Hans. (See Antonsen, A. K., and Davids.)
Davies, Donald H., Abercarn, assignor to Richard Thomas & Company Limited, London, England. Apparatus for the coating of steel or other metallic sheets with tin or other metals. 2,244,388; June 3.
Davis, Arthur C., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Holder for impact tools. 2,244,515; June 3.
Davis, Arthur G., South Merchantville, assignor to United States Gasket Company, Camden, N. J. Gasket. 2,244,640; June 3.
Davis, Charlotte K., New York, N. Y. Ornament. 2,244,516; June 3.
Dean, Albert G., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Articulated rail car construction. 2,244,390; June 3.
Dee, Thomas P. (See Finlayson, D., Greenwood, and Dee.)
Deere & Company. (See Strandlund, Carl G., assignor.)
Deere & Company. (See White, Charles H., assignor.)
De Golyer, Anthony G., New York, N. Y. Alloy. 2,244,517; June 3.
Delaney, John J., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Fluid meter. 2,244,552; June 3.
De Lin, Martin, assignor to Holland Furnace Company, Holland, Mich. Combustion apparatus. 2,244,055; June 3.
De Lisle, Harold L., Sheboygan, assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Drafting board. 2,244,391; June 3.
Delivuk, Louis, Spokane, Wash. Distributor spout mechanism. 2,243,840; June 3.
Denneen, Francis S., Cleveland, and W. C. Dunn, Shaker Heights, assignors to The Ohio Crankshaft Company, Cleveland, Ohio. Automatic quenching apparatus. 2,244,056; June 3.
Deseke, Wilhelm, assignor to the firm Ruetgerswerke-Aktiengesellschaft, Berlin, Germany. Producing 0,0'-dihydroxydiphenyl. 2,244,244; June 3.
Deutsche Hollerith Maschinen Gesellschaft m. b. H. (See Maul, Michael, assignor.)
Dexdale Hosiery Mills. (See Berger, E. J., and Matthews, assignors.)
Di Bella, Carmen, Philadelphia, Pa. Cabinet accessory. 2,243,841; June 3.
Dickens, Howard G., assignor to Ragan Knitting Company, Thomasville, N. C. Wrap stripe mechanism for knitting machines. 2,244,330; June 3.
Dickens, Howard G., assignor to Ragan Knitting Company, Thomasville, N. C. Apparatus for producing wrap stripe hosiery. 2,244,331; June 3.
Dickens, James C., assignor of one-half to W. H. Taylor, Kilgore, Tex. Acetylene generator. 2,244,419; June 3.
Dietrichson, William F., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Bolster center filler and draft gear stop. 2,244,518; June 3.
Dilchert, Heinrich, Freiburg-in-Breisgau, Germany, assignor to Societe "Rhodiaceta," Paris, France. Apparatus for winding. 2,244,290; June 3.
Dilworth, Richard M., La Grange, Ill., assignor to General Motors Corporation, Detroit, Mich. Locomotive coupling device. 2,244,002; June 3.

Dinzl, Richard W., Westfield, assignor to The Watson-Stillman Co., Roselle, N. J. Control system for hydraulic presses. 2,244,420; June 3.
Dittman, Paul C., and A. Stechbart, assignors to Matchless Electric Company, Chicago, Ill. Decorative light. 2,244,101; June 3.
Divine Brothers Company. (See Thompson, Frederick H., assignor.)
Donaldson, Robert R., Pittsburgh, assignor to J. M. Hopwood, Mount Lebanon, Pa. Combustion control system. 2,243,944; June 3.
Douglas Aircraft Company. (See Fenske, C. H., and Harrington, assignors.)
Douglass, J. D. (See Esterly, Charles L., assignor.)
Doux, Alfredo W., New York, N. Y. Fountain pen. 2,243,856; June 3.
Dow Chemical Company, The. (See Bender, Harry, assignor.)
Dow Chemical Company, The. (See Britton, E. C., and Coleman, assignors.)
Dow Chemical Company, The. (See Livak, J. E., and Knutson, assignors.)
Dow Chemical Company, The. (See Lynn, G. E., and Fletcher, assignors.)
Dow Chemical Company, The. (See Maclean, Neil A., assignor.)
Dow Chemical Company, The. (See Moyle, C. L., and Coleman, assignors.)
Dowler, Frank A., Alameda, assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Tap driving chuck. 2,244,143; June 3.
Downes, Daniel T., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Block mounting. 2,244,480; June 3.
Doyen, Daniel, Brussels, Belgium. Casting machine. 2,244,490; June 3.
Drackett Company, The. (See Lawrence, J. N., and Hieronymus, assignors.)
Drewry, Montrose K., Milwaukee, Wis. Apparatus for and method of burning fuel to generate steam. 2,244,144; June 3.
Driggs, Ivan H., Ferguson, Mo., assignor to The Glenn L. Martin Company, Baltimore, Md. Aircraft construction. 2,244,357; June 3.
Drummey, William W., Jamaica Plain, Mass. Trackless trolley vehicle. 2,243,945; June 3.
Dudley Lock Corporation. (See Hamilton, William E., assignor.)
Dukas, James K., Kingston, Pa. Thermostatically controlled grate. 2,244,189; June 3.
Dunn, Allen I., assignor to Cedar Rapids Engineering Company, Cedar Rapids, Iowa. Means and method for machining parts. 2,243,946; June 3.
Dunn, William C. (See Denneen, F. S., and Dunn.)
Du Pont, E. I., de Nemours & Company. (See Austin, Paul R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Austin, P. R., and Graham, assignors.)
Du Pont, E. I., de Nemours & Company. (See Castner, James B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Flory, Paul J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Heath, M. A., and Schulze, assignors.)
Du Pont, E. I., de Nemours & Company. (See Karns, George M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Kvalnes, Donovan E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Miles, John B., Jr., assignor.)
Du Pont, E. I., de Nemours & Company. (See Nydegger, Roland R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rossander, S. S., and Kvalnes, assignors.)
Du Pont, E. I., de Nemours & Company, The. (See Jacobson, Ralph A., assignor.)
Duquesne Mine Supply Company. (See Genter, Albert H., assignor.)
Eager, William G. (See Fletcher, Frank N., assignor.)
Eaglesfield, Charles C., and J. Archer, Mitcham Junction, Surrey, England, assignors to Radio Corporation of America. Sawtooth oscillator. 2,244,003; June 3.
Eastman Kodak Company. (See Marriage, A., Selman, and Stevens, assignors.)
Eastus, Harold L., Muncie, Ind., assignor to Owens-Illinois Glass Company. Machine for aligning glass block sections and pressing them together. 2,244,291; June 3.
Eaton, William M., Boca Raton, Fla. Surgical stitch. 2,244,448; June 3.
Ehlers, Hans. (See Reitz, H., and Ehlers.)
Ehrenberg, Hermann, Frankfort-on-the-Main, Germany. Profile copying machine. 2,244,190; June 3.
Ehrenberg, Werner, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Cathode ray tube. 2,244,245; June 3.
Ekholm, Carl G., assignor to Lidköpings Mekaniska Verkstads Aktiebolag, Fabriksgatan, Lidkoping, Sweden. Supporting means for grinding wheels. 2,244,057; June 3.
Elastic Stop Nut Corporation. (See Swanstrom, Carl A., assignor.)
Elder, Austin C., Lonisville, Ohio. Vacuum cleaner. 2,244,102; June 3.
Elder, Eugene E., Los Angeles, assignor to Mildred H. England, Hollywood, Calif. Disappearing chair. 2,244,531; June 3.
Eldridge, Lonnie C., assignor to Baton Rouge Water Works Company, Baton Rouge, La. Meter cleaner. 2,244,292; June 3.
Electric & Musical Industries Limited. (See Blumlein, Alan D., assignor.)
Electric & Musical Industries Limited. (See Blumlein, A. D., and Spencer, assignors.)
Electric & Musical Industries Limited. (See Ehrenberg, Werner, assignor.)
Electric & Musical Industries Limited. (See Lubszynski, H. G., and Rodda, assignors.)
Electrical Treating Company. (See Looman, Iris C., assignor.)
Ellis, Charles, Victoria, British Columbia, Canada. Coating and making the same. 2,244,449; June 3.
Emanueli, Luigi, Milan, Italy, assignor to Societè Italiano Pirelli. Device for supervising the pressure in fluid filled cables. 2,244,392; June 3.
Emerson, John R., Flint, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Carburetor. 2,244,519; June 3.
Emulsol Corporation, The. (See Katzman, Morris, assignor.)
England, Mildred H. (See Elder, Eugene E., assignor.)
Englehart, Oscar D., Brackenridge, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Multiple glazed unit. 2,244,491; June 3.
Ennis, Louise S., Upper Darby, Pa. Game. 2,244,553; June 3.
Epstein, Maurice E., Brooklyn, N. Y., assignor to Nu-Hold Manufacturing, Inc. Shoe hanger. 2,243,947; June 3.
Ericks, Walter P., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing monosubstituted cyanamides and their polymers. 2,244,421; June 3.
Erickson, Donald R., and P. J. Thoma, assignors to Michigan Research Laboratories, Inc., Kalamazoo, Mich. Printing ink. 2,244,103; June 3.
Erickson, Erick G., assignor to Waffl-Berger, Inc., Moline, Ill. Food cooker. 2,244,145; June 3.
Erni, Edoardo, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Packing gland. 2,244,450; June 3.
Erwin, Edson L., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,244,004; June 3.
Esterly, Charles L., Cleveland, assignor to J. D. Douglass, Rocky River, Ohio. Notebook. 2,244,246; June 3.
Evans, Henry L., assignor of one-half to H. A. Buhrkuhl, Kress, Tex. Fly exterminator. 2,244,191; June 3.
Ewald, Earl R., East Orange, N. J., assignor to Radio Corporation of America. Thermionic cathode assembly. 2,244,358; June 3.
Ex-Cell-O Corporation. (See Alden, Carroll R., assignor.)
Eyrick, Leon S., Plainfield, assignor of one-half to P. Ales, Joliet, Ill. Wrench. 2,243,948; June 3.
Fairbanks, Morse & Co. (See Antonsen, A. K., and Davids, assignors.)
Falla, Fernando, Maplewood, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Water walls and the like. 2,244,451; June 3.
Faller, Ernest A., Brooklyn, assignor to International Business Machines Corporation, New York, N. Y. Workman's time recorder. 2,244,247; June 3.
Farnham, Frank C. (See Zoller, L. J., and Farnham.)
Fearn, Richard L., Rockville, Md., assignor to Syncro Machine Company, Newark, N. J. Device for indicating springiness of strands. 2,243,842; June 3.
Fechheimer, Paul R., assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio. Collapsible tube. 2,244,059; June 3.
Fedders, Louis F., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Heating and cooling system for engine lubricating oil. 2,244,641; June 3.
Fedders Manufacturing Company. (See Fedders, Louis F., assignor.)
Fenske, Charles H., Jr., Los Angeles, L. E. Massie, Venice, and F. A. Harrington, Inglewood, assignors to Douglas Aircraft Company, Incorporated, Santa Monica, Calif. Fuse holder. 2,244,532; June 3.
Ferrante, Rose, New York, N. Y. Percolator cartridge. 2,244,520; June 3.
Ferris, Seymour W., Aldan, and E. R. Birkhimer, assignors to The Atlantic Refining Company, Philadelphia, Pa. Hydrocarbon oil refining. 2,244,521; June 3.
Ferris, William D., C. R. Wolf, and N. M. Foulds, Whiteside County, assignors to Frants Manufacturing Co., Sterling, Ill. Garage door. 2,244,642; June 3.
Ferretti, John. (See Pignani, F., and Ferretti.)
Finlayson, Donald, E. L. Greenwood, and T. P. Dee, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture and treatment of textile fabrics. 2,243,843; June 3.
Finney, Harold G., Maplewood, and H. Ruckner, assignors to Oscar Schmidt International Incorporated, Jersey City, N. J. Musical instrument. 2,244,332; June 3.
Firestone Tire & Rubber Company, The. (See Greenup, H. W., and Johnston, assignors.)
Firestone Tire & Rubber Company, The. (See Saurer, Curt, assignor.)
Fischer, Albert C., Chicago, Ill. Fiber articles, such as mats and the like. 2,243,857; June 3.

Fischer, Franz, and H. Pichler, Mulheim-Ruhr, Germany, assignors, by mesne assignments, to Hydrocarbon Synthesis Corporation, Linden, N. J. Synthetical production of paraffin. 2,243,897; June 3.
Fitzpatrick, Jeremiah J., Oklahoma City, Okla. Sucker rod coupling. 2,244,104; June 3.
Flanagan, Bernard J., and A. Mellor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of textile materials. 2,243,858; June 3.
Fletcher, Ed. (See Slayter, G., Atkinson, and Fletcher.)
Fletcher, Frank N., assignor of one-half to W. G. Eager, Valdosta, Ga. Clamp. 2,244,533; June 3.
Fletcher, Fred W. (See Lynn, G. E., and Fletcher.)
Flex-O-Tube Company, The. (See Miller, William H., assignor.)
Florman, Irving, New York, N. Y. Electric dry shaver. 2,244,452; June 3.
Flory, Paul J., North College Hill, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polyamides. 2,244,192; June 3.
Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Grinding machine-swivel table adjustment. 2,244,643; June 3.
Food Machinery Corporation. (See Chase, Chauncy D., assignor.)
Food Machinery Corporation. (See Marsden, George P., assignor.)
Food Machinery Corporation. (See Paxton, Hale, G. C., and Stilwell, assignors.)
Food Machinery Corporation. (See Stockdale, Harry C., assignor.)
Foster, Benjamin N. (See Kingsbury, E. J., Swahnberg, and Foster.)
Foster, Wheeler, Corporation. (See Falla, Fernando, assignor.)
Föttinger, Hermann, Berlin-Wilmersdorf, and R. Wille, Berlin-Charlottenburg, Germany. Scavenging of two-stroke cycle internal combustion engines. 2,244,453; June 3.
Foulds, Neil M. (See Ferris, W. D., Wolf, and Foulds.)
Fox, Daniel F., McKeesport, Pa. Refrigerating circuit purifier. 2,243,949; June 3.
Fox, Martin, assignor to The Seng Company, Chicago, Ill. Platform rocking chair. 2,244,614; June 3.
Foxboro Company, The. (See Mason, C. E., and Brown, assignors.)
Franco-Ferreira, Edgard C. (See Johnson, B. C., and Franco-Ferreira.)
Frank, William H., and J. A. Messing, Detroit, Mich. Switch unit. 2,244,359; June 3.
Frants Manufacturing Co. (See Ferris, W. D., Wolf, and Foulds, assignors.)
Franwick, Edmond J., assignor to Hanau Engineering Company, Inc., Buffalo, N. Y. Device for removing investments from sectional dental flasks. 2,243,950; June 3.
Fraser, George H., Brooklyn, N. Y. Fluid current separator. 2,243,859; June 3.
Fred, Selim A. (See Hendrickson, S., and Fred.)
Freda, Vincent, Brookline, and L. Sunderland, Newton, assignors to Barron Anderson Company, Boston, Mass. Coat. 2,244,454; June 3.
Freeman, Benjamin W., Cincinnati, Ohio. Die. 2,244,613; June 3.
Freilich, Jacob, New York, and C. N. Frey, Scarsdale, assignors to Standard Brands Incorporated, New York, N. Y. Manufacture of baked goods. 2,243,860; June 3.
French Oil Mill Mchinery Co., The. (See Stacy, Thomas F., assignor.)
Frey, Charles N. (See Freilich, J., and Frey.)
Friedheim, Ernst A. H., Geneva, Switzerland. Azo dyestuff from para-amino-phenyl-arsonic acid and manufacture of same. 2,244,293; June 3.
Fritz, Howard E., Barberton, and J. R. Hoover, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tank construction. 2,244,522; June 3.
Fuehrer, George H., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Silencer for rock drills. 2,244,060; June 3.
Fulcher, Frank C., Purley, England. Lubricating system for rotary vane pumps. 2,243,898; June 3.
Fulcher, Frank C., Purley, England. Rotary pump and the like. 2,243,899; June 3.
Fulcher, Frank C., Purley, England. Flexible driving coupling. 2,243,900; June 3.
Fulcher, Frank C., Manor Way, Purley, England. Rotary pump. 2,243,901; June 3.
Gallon Iron Works & Manufacturing Company, The. (See Arndt, Franklin E., assignor.)
Gallon Iron Works & Manufacturing Company. (See Shaw, Clifford B., assignor.)
Gallup, John L., Newark, N. J., assignor to Radio Corporation of America. Ferrous metal enamel. 2,244,360; June 3.
Garcin, Louis, Paris, France. Toothbrush. 2,244,615; June 3.
Gasoline Products Company. (See Phinney, Edward D., assignor.)
Gates Rubber Company, The. (See Moe, John E., assignor.)
Gautier, Trevor R., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Tape serving apparatus, including directive advancing and moistening means therefor. 2,244,105; June 3.
Gehlke, Henry C., Cleveland, Ohio. Dividing a chicken. 2,243,951; June 3.
General Aniline & Film Corporation. (See Greune, H., and Thiele, assignors.)
General Aniline & Film Corporation. (See Schlichenmaier, H., Berlin, and Berthold, assignors.)
General Electric Company. (See Atchison, Leonard W., assignor.)
General Electric Company. (See Bissinger, Peter, assignor.)
General Electric Company. (See Camilli, Guglielmo, assignor.)
General Electric Company. (See Clark, Frank M., assignor.)
General Electric Company. (See D'Alello, Gaetano F., assignor.)
General Electric Company. (See Hannaford, Arthur, assignor.)
General Electric Company. (See Hill, Hermann, assignor.)
General Electric Company. (See Knowlton, Paul H., Jr., assignor.)
General Electric Company. (See Krautz, Erich, assignor.)
General Electric Company. (See Powers, James H., assignor.)
General Electric Company. (See Spofford, Warren A., assignor.)
General Motors Corporation. (See Dilworth, Richard M., assignor.)
General Motors Corporation. (See Hazen, R. M., and McCrae, assignors.)
General Motors Corporation. (See Kamrath, Herbert G., assignor.)
General Motors Corporation. (See Reeves, Donald H., assignor.)
Gengenbach, Fritz, assignor of one-half to W. J. Reilly, Attleboro, Mass. Electric contact. 2,244,455; June 3.
Genter, Albert H., Ross Township, Allegheny County, assignor to Duquesne Mine Supply Company, Pittsburgh, Pa. Rail bond. 2,244,248; June 3.
Gerhauser, John P., Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Alloy for making castings. 2,244,146; June 3.
Gift, John, Temple, assignor to Rosedale Knitting Company, Reading, Pa. Apparatus for conditioning thread. 2,243,844; June 3.
Gish, Daniel B., West Springfield, Mass. Shock absorbing device. 2,244,147; June 3.
Glasner, Rudolph W., Chicago, Ill. Press. 2,243,952; June 3.
Goebel, George, and H. A. Rau, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Coating apparatus. 2,244,651; June 3.
Goit, Laurance E., Los Angeles, Calif., and E. C. Brisbane, assignors to S. Morgan Smith Company, York, Pa. Tapered plug valve indicator. 2,243,845; June 3.
Goldsmith, Alfred N., assignor to Radio Corporation of America, New York, N. Y. Television control device. 2,244,251; June 3.
Goodall Worsted Company. (See Holdsworth, Clifford, assignor.)
Goodenough, Ernest F. (See Rust, N. M., and Goodenough.)
Goodrich, B. F., Company, The. (See Barder, E. H., and Snyder, assignors.)
Goodrich, B. F., Company, The. (See Fritz, H. E., and Hoover, assignors.)
Goodrich, B. F., Company, The. (See Legulllon, Charles W., assignor.)
Graham, Boynton. (See Austin, P. R., and Graham.)
Graham, Stuart, St. Lambert, Quebec, Canada. Aircraft traffic control system. 2,244,148; June 3.
Graham, William A., Houston, Tex. Automatic gas heater. 2,243,953; June 3.
Granberg, Albert J., Berkeley, and T. A. McCoy, Oakland, assignors to Granberg Equipment Inc., Emeryville, Calif. Bulk plant pumping system and control. 2,244,106; June 3.
Granberg Equipment Inc. (See Granberg, A. J., and McCoy, assignors.)
Grantham, Frederick W., Winnetka, Ill. Ash tray. 2,244,149; June 3.
Graves, Herbert C., Jr., West Chester, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Arc quencher. 2,244,061; June 3.
Greenup, Harold W., Akron, and N. Johnston, Cuyahoga Falls, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Aerating viscous liquids. 2,244,616; June 3.
Greenwood, Ernest L. (See Finlayson, D., Greenwood, and Doe.)
Greune, Heinrich, and M. Thiele, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation. Dyestuff-sulphonic acids of the dioxazine series. 2,244,294; June 3.
Greve, Louis W., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Shock absorbing strut. 2,244,150; June 3.
Grimes, Harry N., Brentwood, Mo., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Stitchdown shoe. 2,244,062; June 3.

Grimes, Thaddeus S., Columbus, Ga., assignor to Lummus Cotton Gin Company. Huller gin. 2,244,534; June 3.
Grimes, Warren G., Urbana, Ohio. Landing light for airplanes. 2,244,535; June 3.
Gross, Henry R., Chicago, Ill. Signal apparatus. 2,243,954; June 3.
Grothe, Arthur A. (See von Henke, E. J., and Grothe.)
Guanella, Gustav, Zurich, Switzerland, assignor to Radio Patents Corporation. Wave translation system. 2,244,249; June 3.
Guba, Raymond J., Philadelphia, Pa., assignor to Audubon Wire Cloth Corporation. Woven wire belting. 2,244,422; June 3.
Güntherschulze, August, Dresden, assignor to Patentverwertungs-Gesellschat mit beschränkter Haftung "Hermes", Berlin, Germany. Gas filled electron tube. 2,243,902; June 3.
Gustin, Albert L., Jr., and J. O. Brelsford, assignors to Gustin-Bacon Manufacturing Co., Kansas City, Mo. Refrigeration insulation. 2,244,005; June 3.
Gustin-Bacon Manufacturing Co. (See Gustin, A. L., and Brelsford, assignors.)
Guyon, Harry J. (See Guyon, Thomas H., I. B., and H. J.)
Guyon, Iras B. (See Guyon, Thomas H., I. B., and H. J.)
Guyon, Thomas H. and I. B., Ogden, Utah, and H. J. Guyon, Chicago, Ill. Method and apparatus for cooking. 2,244,193; June 3.
Gwathmey, George T., Orlando, and L. Gwathmey, Apopka, Fla. Tree transplanter. 2,243,955; June 3.
Gwathmey, Lomax. (See Gwathmey, George T. and L.)
Haas, Lucien L., assignor to MacKenzie Muffler Company, Inc., Youngstown, Ohio. Muffler. 2,244,393; June 3.
Haglund, Tire R., Stockholm, Sweden. Extraction of alumina. 2,244,194; June 3.
Hall, Edward S., Seattle, Wash. Guard for screen door hooks. 2,244,361; June 3.
Hall, Phillip C., et al. (See Phillips, Jackson E., assignor.)
Hall, Wesley F., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Apparatus for strip plating. 2,244,423; June 3.
Halliburton Oil Well Cementing Company. (See Boggs, H. F., and Yowell, assignors.)
Hamilton Manufacturing Company. (See De Lisle, Harold L., assignor.)
Hamilton, Van A., Palestine, Tex. Masonry anchor. 2,244,151; June 3.
Hamilton, William E., Evanston, assignor to Dudley Lock Corporation, Chicago, Ill. Key and permutation operated lock. 2,244,152; June 3.
Hanau Engineering Company. (See Franwick, Edmond J., assignor.)
Handley, George F., Glendale, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,243,956; June 3.
Hanisch, Arthur O., Altadena, Calif., assignor to Infants Socks, Inc., Reading, Pa. Hosiery. 2,244,153; June 3.
Hannaford, Arthur, Tottenham, England, assignor to General Electric Company. Wire welding machine. 2,244,554; June 3.
Hannum, Charles M., assignor to The National Tool Company, Cleveland, Ohio. Roller bit. 2,244,617; June 3.
Hanse, William C., Philadelphia, assignor to American Viscose Corporation, Marcus Hook, Pa. Apparatus for the production of broken filament yarn. 2,244,333; June 3.
Hanson-Van Winkle-Munning Company. (See Hall, Wesley F., assignor.)
Happel, Albert W., assignor to Western Cataphote Corporation, Toledo, Ohio. Locking bodies to supports. 2,244,456; June 3.
Harbison, Clarence B., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Return bend fitting. 2,244,618; June 3.
Harrington, Ferris T., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,244,006; June 3.
Harrington, Ferris T., C. V. Losey, and R. S. Miller, assignors to Vickers Incorporated, Detroit, Mich. Power transmission. 2,244,007; June 3.
Harrington, Frank A. (See Fenske, C. H., Massie, and Harrington.)
Harris, John L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Modulating pressure motor operated valve. 2,244,555; June 3.
Hartford Empire Company. (See Merrill, Donald G., assignor.)
Hartford National Bank and Trust Company as trustee. (See Houwers, Albert, assignor.)
Hartford, Winfield H., Kearney, Nebr. Minnow pail. 2,244,457; June 3.
Hartig, Henry E., Robbinsdale, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Motor control system. 2,244,362; June 3.
Hartline, Ralph E. (See Jacobson, M. G., and Hartline.)
Haselwood, Inez M., et al. (See Marcum, Jacob L., assignor.)
Hasselbach, Alexander, assignor to G. Polysius Aktiengesellschaft, Dessau, Germany. Apparatus and process for fluidifying and mixing by means of compressed air. 2,244,195; June 3.
Hauser, Joseph L. (See Houston, E. R., Dachlet, and Hauser.)
Hautzenroeder, Richard W., Mansfield, Ohio. Apparatus for supplying fuel to internal combustion engines. 2,243,861; June 3.
Hautzenroeder, Richard W., Mansfield, Ohio. Spray nozzle. 2,244,394; June 3.
Hayes Econocrete Corporation of America. (See Hayes, Hal, assignor.)
Hayes, Hal, Los Angeles, Calif., assignor to Hayes Econocrete Corporation of America, Reno, Nev. Collapsible core. 2,244,107; June 3.
Hazen, Ronald M., and T. S. McCrae, Jr., Indianapolis, Ind., assignors to General Motors Corporation, Detroit, Mich. Piston construction. 2,244,008; June 3.
Heath, Merle A., Rosecliff, and E. Schulze, Waynesboro, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilizing cellulose ester. 2,244,295; June 3.
Heine, Herman E., and H. G. Mullett, assignors to Bradley Washfountain Company, Milwaukee, Wis. Valve. 2,243,957; June 3.
Heinkel, Ernst. (See Butter, Karl, assignor.)
Heinrich, Hans, Stuttgart, W. Volt, Stuttgart-Bad Cannstatt, and M. Hurst, assignors to Robert Bosch Gesellschaft mit Beschränkter Haftung, Stuttgart, Germany. Servomotor. 2,244,296; June 3.
Heise, Arthur C., and M. W. Jacobi, Baltimore, Md. Electric toaster. 2,244,619; June 3.
Heller, Lewis W., East Orange, assignor to The Babcock & Wilcox Company, Newark, N. J. Steam generator. 2,243,862; June 3.
Heltzel, John N., Warren, Ohio. Vacuum screed. 2,244,297; June 3.
Hendrickson, Severine, Templeton, assignor to Heywood-Wakefield Company, Gardner, Mass. Baby carriage. 2,244,154; June 3.
Hendrickson, Severine, Templeton, and S. A. Fred, assignors to Heywood-Wakefield Company, Gardner, Mass. Folding baby carriage. 2,244,155; June 3.
Herbert & Pohs Inc. (See Lowenthal, Harold, assignor.)
Herbert, Wilhelm, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Catalytic production of hydrocarbons. 2,244,196; June 3.
Herchenrider, Henry R., Pittsburgh, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Apparatus for and method of surfacing metals, etc. 2,244,536; June 3.
Hermann, Edgar J., San Antonio, Tex. Refrigerating system. 2,243,958; June 3.
Herti, Robert, Lansdowne, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. High-pressure turbine. 2,243,959; June 3.
Herzer, William P., Boulder, Colo. Vehicle direction indicator. 2,244,458; June 3.
Hess, Emerson E., Powell, Ohio. Indicating mechanism for weighing scales. 2,244,523; June 3.
Hesse, Walter A., Alameda, Calif. Electroplating apparatus. 2,244,620; June 3.
Hessler, Christian R., Leipzig, Germany. Bearing. 2,244,197; June 3.
Heywood-Wakefield Company. (See Hendrickson, Severine, assignor.)
Heywood-Wakefield Company. (See Hendrickson, S., and Fred, assignors.)
Hiensch, Johannes N., and E. M. H. Lips, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electrical apparatus. 2,244,009; June 3.
Hieronymus, Russell H. (See Lawrence, J. N., and Hieronymus.)
Hill, Hermann, Coblenz, Germany, assignor, by mesne assignments, to General Electric Company. Enclosing housing for electrical devices. 2,244,395; June 3.
Hill, William H., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Separation of salts of amino-amidines. 2,244,253; June 3.
Hintze, Rudolf, Berlin-Charlottenburg, assignor to Patentvertungs-Gesellschaft mit beschränkter Haftung "Hermes", Berlin, Germany. Absorption refrigerating apparatus. 2,243,903; June 3.
Hi-Speed Tire and Accessory Company. (See Schnebelen, Paul A., assignor.)
Hixson, Raymond G., and U. K. Olesen, assignors to Vickers, Incorporated, Detroit, Mich. Metered pump displacement control. 2,244,156; June 3.
Hobart Bros. Company. (See Hobart, Edward A., assignor.)
Hobart, Edward A., assignor to The Hobart Bros. Company, Troy, Ohio. Tractor welder. 2,244,063; June 3.
Hodge, James C., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Welded pressure vessel and method. 2,244,064; June 3.
Hoe, R., & Co. (See Zuckerman, Adolph M., assignor.)
Hoffman-La Roche Inc. (See Wenner, Wilhelm, assignor.)
Hoffman, Robert C. (See Venables, James G., assignor.)
Hofstetter, Alfons, Gaggenau, Baden, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Internal combustion engine. 2,243,846; June 3.
Hokanson, Otto A., Snyder, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Tone arm control mechanism for phonographs. 2,244,157; June 3.
Holdsworth, Clifford, assignor to Goodall Worsted Company, Sanford, Maine. Making yarn. 2,244,363; June 3.
Holland Furnace Company. (See De Lin, Martin, assignor.)

Holland-Letz, John, Crown Point, Ind., assignor to The Letz Manufacturing Company. Adjustable feed table for roughage mills and the like. 2,244,364; June 3.
Holm, Melvin M., San Francisco, E. H. Oakley, El Cerrito, and R. L. Humphreys, El Segundo, assignors to Standard Oil Company of California, San Francisco, Calif. Reaction of hydrocarbons. 2,244,556; June 3.
Holmes, Gifford I., Minneapolis, and R. S. Craig, Robbinsdale, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Automatically variable resistance. 2,244,644; June 3.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Cutter chain. 2,244,198; June 3.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Cutter chain. 2,244,199; June 3.
Hooper, Louis G. (See Hooper, Virgil I. and L. G.)
Hooper, Virgil I., Gordon, Tex., and L. G. Hooper, Shreveport, La., assignors to The Bastian-Blessing Company, Chicago, Ill. Apparatus for and method of gauging and sampling. 2,243,847; June 3.
Hoover Company, The. (See Kitto, William H., assignor.)
Hoover Company, The. (See MacFarland, C. H., and Shumaker, assignors.)
Hoover Company, The. (See Taylor, Charles H., assignor.)
Hoover Company, The. (See Troxler, Charles G., assignor.)
Hoover, John R. (See Fritz, H. E., and Hoover.)
Hopkins, Frank H., Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Pressure responsive instrument. 2,244,334; June 3.
Hopkins, Frank H., Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Guard device for pressure-responsive instruments. 2,244,335; June 3.
Hopwood, John M. (See Donaldson, Robert R., assignor.)
Horeau, Alain. (See Charonnat, R., and Horeau.)
Horn, Franklin S., et al. (See Bell, Arthur R., assignor.)
Horn, Mabel G., New York, N. Y. Coloring implement. 2,244,336; June 3.
Horn, Walter J., et al. (See Bell, Arthur R., assignor.)
Hotchkiss, Clarence F., Jr., Binghamton, N. Y. Flexible drive shaft coupling. 2,243,960; June 3.
Houdaille-Hershey Corporation. (See Johnson, B. C., and Franco-Ferreira, assignors.)
Houston, Elmer R., Riverside, Ill., and J. F. Dachlet, and J. L. Hauser, Green Bay, Wis., assignors to Automatic File & Index Co., Chicago, Ill. Compressor mechanism for filing cabinets and the like. 2,243,904; June 3.
Howarth, Harry A. S., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa. Bearing. 2,243,961; June 3.
Hoy, Thomas J., Newark, N. J. Poppet valve. 2,243,863; June 3.
Hoy, Thomas J., Newark, N. J. Cylinder casting or cylinder block for steam engines and the like. 2,243,864; June 3.
Hoy, Thomas J., Newark, N. J. Power reverse gear for steam locomotives and the like. 2,243,865; June 3.
Hubbard, Findley E., and C. R. McCullough, Anniston, Ala., assignors to Monsanto Chemical Company. Water treating composition. 2,244,158; June 3.
Hubschneider, Karl, Detroit, Mich. Work supporting tool. 2,243,905; June 3.
Huet, André, Paris, France. Apparatus for shielding a body from fluid currents. 2,243,906; June 3.
Hughes, Howard R., Houston, Tex., R. W. Palmer, Pasadena, and W. L. Lewis, Glendale, Calif., assignors to Hughes Tool Company, Houston, Tex. Switch control for aircraft. 2,244,065; June 3.
Hughes Tool Company. (See Hughes, H. R., Palmer, and Lewis, assignors.)
Humphreys, Robert L. (See Holm, M. M., Oakley, and Humphreys.)
Hunter, Donald P., Los Angeles, assignor to Turco Products, Inc., Los Angeles County, Calif. Nozzle. 2,244,159; June 3.
Hurst, Max. (See Heinrich, H., Voit, and Hurst.)
Hurt, Samuel N., Toledo, Ohio, assignor to Toledo Scale Company. Weighing scale. 2,244,621; June 3.
Hussong, Floyd E., Los Angeles, Calif. Relay valve. 2,244,108; June 3.
Hydraulic Brake Company. (See Loweke, Erwin F., assignor.)
Hydraulic Control Engineering Company. (See Patton, Willis A., assignor.)
Hydrocarbon Synthesis Corporation. (See Fischer, F., and Pichler, assignors.)
I. T. E. Circuit Breaker Company. (See Graves, Herbert C., Jr., assignor.)
I-T-E Circuit Breaker Company. (See Scott, William M., Jr., assignor.)
Iams, Harley A., Berkley Heights, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron discharge device. 2,244,365; June 3.
Icove, Victor B., Shaker Heights, Ohio, and M. K. Kaplan, Chicago, Ill., assignors to Cuyahoga Furniture & Lamp Company, Cleveland, Ohio. Illuminating device. 2,244,298; June 3.
Iknayan, Alfred N., Indianapolis, Ind., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Producing tear resisting rubber sheeting. 2,244,557; June 3.
Imperial Chemical Industries Limited. (See Crawford, John W. C., assignor.)
Industrial Rayon Corporation. (See Kline, H. B., Knebusch, and Burkholder.)
Industrial Rayon Corporation. (See Sauerdyke, Fred J., assignor.)
Industrial Sheet Metal Works, Inc. (See Dalton, Alfred J., assignor.)
Infants Socks, Inc. (See Hanisch, Arthur O., assignor.)
Ingersoll-Rand Company. (See Fuehrer, George H., assignor.)
Integral Auxiliary Equipment Limited. (See Reader, Robert W., assignor.)
International Business Machines Corporation. (See Almer, Gunnar B., assignor.)
International Business Machines Corporation. (See Armbruster, John W., assignor.)
International Business Machines Corporation. (See Ayres, Waldemar A., assignor.)
International Business Machines Corporation. (See Bryce, James W., assignor.)
International Business Machines Corporation. (See Buhler, Eugen, assignor.)
International Business Machines Corporation. (See Faller, Ernest A., assignor.)
International Business Machines Corporation. (See Johnson, Reynolds B., assignor.)
International Business Machines Corporation. (See Keen, Harold H., assignor.)
International Business Machines Corporation. (See Rowley, Russell A., assignor.)
International Business Machines Corporation. (See Weitmann, Otto, assignor.)
International Cigar Machinery Company. (See Clausen, Sigurd, assignor.)
International Silver Company. (See Vonderheid, Marion C., assignor.)
Iron Fireman Manufacturing Company. (See Richardson, Max C., assignor.)
Isett, John W., Hinsdale, Ill. Tie bar. 2,244,337; June 3.
Ivanoff, C., et al. (See Kronhaus, Semen, assignor.)
Jacobi, Millard W. (See Heise, A. C., and Jacobi.)
Jacobson, Andrew G., Los Gatos, Calif. Musical stand. 2,244,160; June 3.
Jacobson, Moses G., Pittsburgh, and R. E. Hartline, Swissvale, assignors to Mine Safety Appliances Company, Pittsburgh, Pa. Combustible gas indicator. 2,244,366; June 3.
Jacobson, Ralph A., Landenberg, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dimerization. 2,244,645; June 3.
Jarvis & Jarvis, Inc. (See Scudder, Eliot R., assignor.)
Jarvis, Kenneth W., Winnetka, Ill. Signal amplification method and circuits. 2,244,066; June 3.
Jaworski, Leon. (See Botham, K. J., and Jaworski.)
Jefferson Electric Company. (See Rickmeyer, Ernst W., assignor.)
Jenkins Bros. (See Watson, Frank H., assignor.)
Jenkins, Paul W. (See Young, J. H., and Jenkins.)
Jett, Hamer K., and H. L. Showalter, Brooksville, Ky. Kitchen chair. 2,244,459; June 3.
Johansson, Sven G., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Amplifying circuit. 2,243,907; June 3.
Johns, Stanton D., assignor to The Columbus Bolt Works Company, Columbus, Ohio. Apparatus for pointing and roll threading bolts. 2,244,622; June 3.
Johnson, Bernard C., Libertyville, and E. C. Franco-Ferreira, Chicago, Ill., assignors to Houdaille-Hershey Corporation, Detroit, Mich. Evaporator. 2,244,010; June 3.
Johnson, Dean B., La Mesa, assignor to San Diego Marine Construction Co., San Diego, Calif. Boat hull construction. 2,244,011; June 3.
Johnson, George T., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Draft attachment for railway cars. 2,244,200; June 3.
Johnson, Hader, Los Angeles, Calif. Shutter awning. 2,244,012; June 3.
Johnson Laboratories, Inc. (See Schaper, William A., assignor.)
Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Paper feeding device. 2,244,250; June 3.
Johnson, Roy W., Milwaukee, Wis. Interchangeable metering valve control. 2,244,161; June 3.
Johnson, Tomlinson F., Atlanta, Ga. Retracting blade switch. 2,244,201; June 3.
Johnson, William C., Harrisburg, Pa. Tool for laying and removing underground pipes. 2,244,202; June 3.
Jones, Nelson M., Hatchville, Mass. Internal combustion engine. 2,244,623; June 3.
Jousson, Carl. (See Stridh, Carl H., assignor.)
Johnston, Charles R. and S. O., Natrono Heights, Pa. Time controlled radio tuning device. 2,244,299; June 3.
Johnston, Norris. (See Greenup, H. W., and Johnston.)
Johnston, Samuel O. (See Johnston, Charles R. and S. O.)
Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for shaping uppers over lasts. 2,244,067; June 3.
Kahn, Samuel. (See Sugden, C. N., and Kahn.)
Kammerer, Archer W., Fullerton, Calif. Well drilling bit. 2,244,537; June 3.

Kamrath, Herbert G., Flint, assignor to General Motors Corporation, Detroit, Mich. Intake silencer and air cleaner. 2,243,866; June 3.
Kanter, Marcus E., assignor to Railley Corporation, Cleveland, Ohio. Lighting fixture. 2,244,624; June 3.
Kaplan, Maurice K. (See Icove, V. B., and Kaplan.)
Karns, George M., Williamsville, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Process and apparatus for yarn winding. 2,244,492; June 3.
Kassab, Wadea, Chester, Pa. Self-filling syringe. 2,243,908; June 3.
Kasten, Fred W., Sturgeon Bay, Wis. Plowing and root separating apparatus. 2,244,538; June 3.
Katzman, Morris, assignor to The Emulsol Corporation, Chicago, Ill. Egg composition. 2,243,867; June 3.
Katzman, Morris, assignor to The Emulsol Corporation, Chicago, Ill. Cake. 2,243,868; June 3.
Kay, Constantine, New York, N. Y. Hair dressing device. 2,244,068; June 3.
Kearney & Trecker Corporation. (See Armitage, Joseph B., assignor.)
Keen, Harold H., Letchworth, England, assignor to International Business Machines Corporation, New York, N. Y. Paper spacing mechanism for printing machines. 2,244,252; June 3.
Keith, Percival C., Jr., Peapack, and J. T. Ward, Union County, N. J., and D. W. Wilson, Scarsdale, assignors to The M. W. Kellogg Company, New York, N. Y. Synthesizing liquid hydrocarbons. 2,243,869; June 3.
Kellaher, Gillis C., assignor to R. M. Wade & Co., Portland, Oreg. Pipe coupler. 2,244,396; June 3.
Kellogg, M. W., Company, The. (See Keith, P. C., Ward, and Wilson, assignors.)
Kellogg, M. W., Company, The. (See Roberts, George Jr., assignor.)
Kelman, William L., Cranston, R. I. Device to prevent the refilling of bottles. 2,244,460; June 3.
Kennedy-Ten Bosch Company. (See Mitchell, Herbert H., assignor.)
Kern, Rudolf, Gladbach-Rheydt, Germany. Arrangement for loosening artificial fiber cables in continuous single threads. 2,244,203; June 3.
Kessler, Frank H., Ridgely, Md. Baseball game apparatus. 2,244,204; June 3.
Ketchpel, Paul A., West Englewood, N. J., assignor to The Standard Stoker Company, Inc. Stoker. 2,243,962; June 3.
Kettley, Rex A., Saco, Maine, assignor to Saco Lowell Shops, Boston, Mass. Fiber working roll for textile machines. 2,244,461; June 3.
Keys, Opie P., Jonesboro, Tenn. Washing and drying machine. 2,244,462; June 3.
Kiefer, Karl, Machine Company, The. (See Fechheimer, Paul R., assignor.)
Kienzle Taxameter und Apparate A. G. (See Meer, Karl, assignor.)
King, William W., Lancaster, Pa. Opener for crown sealed containers. 2,244,625; June 3.
Kingsbury, Edward J., G. Swahnberg, and B. N. Foster, assignors to Kingsbury Machine Tool Corporation, Keene, N. H. Mechanism including an intermittently moved structure. 2,244,463; June 3.
Kingsbury Machine Works, Inc. (See Howarth, Harry A. S., assignor.)
Kingsbury Machine Tool Corporation. (See Kingsbury, E. J., Swahnberg, and Foster, assignors.)
Kingston, Irwin F., Iron, Minn. Oil cleaning and purifying device. 2,244,626; June 3.
Kinkead, Robert E., Cleveland, Ohio. Making composite metal articles. 2,244,367; June 3.
Kirsch Company. (See Stratton, Philip B., assignor.)
Kitchell, Jorace Y. (See Venable, James E., assignor.)
Kitto, William H., Canton, assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,243,848; June 3.
Klaus, Justin A., St. Louis, Mo. Baby feeding bottle-holder and teether. 2,243,870; June 3.
Kleiman, Morris, Brooklyn, assignor to Paragon Uniform Corporation, New York, N. Y. Sleeve. 2,244,368; June 3.
Klein, Charles H., Cleveland, Ohio, assignor to The National Telephone Supply Company. Sleeve and making same. 2,244,199; June 3.
Klein, Hermann, Vallingen-Rohr, and K. Rothermel, Reinchenbach-Fils, assignors to Robert Bosch G. m. b. H., Stuttgart, Germany. Starting device. 2,244,627; June 3.
Kleinknecht, William J., Garden City, N. Y., assignor to American District Telegraph Company, Inc., Jersey City, N. J. Watchman's tour system. 2,243,963; June 3.
Kline, Hayden B., Cleveland, W. F. Knebusch, Rocky River, and A. H. Burkholder, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Manufacture of thread or the like. 2,243,964; June 3.
Knebusch, Walter F. (See Kline, H. B., Knebusch, and Burkholder.)
Knoop, William A., Hempstead, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric circuit. 2,244,013; June 3.
Knowlton, Paul H., Jr., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine. 2,243,398; June 3.
Knutson, Amos T. (See Livak, J. E., and Knutson.)
Kochli, Ernest G., Brooklyn, assignor to Applied Sugar Laboratories, Inc., New York, N. Y. Centrifugal washing control. 2,244,652; June 3.
Kockums Mekaniska Verkstads Aktiebolag. (See Broden, John G. M., assignor.)
Koeder, Theophil M., Naperville, Ill. Mute. 2,244,205; June 3.
Konold, Clyde H. (See Wurzbach, H. E., and Konold.)
Kook, Beatrice F. (See Kook, Nicholas J. and B. F.)
Kook, Nicholas J. and B. F., Detroit, Mich. Sand spreader for vehicles. 2,244,069; June 3.
Kotowski, Paul, Berlin-Tempelhof, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Antenna with steerable polarization characteristics. 2,244,628; June 3.
Kovats, John, Fairfield, Conn. Folding chair. 2,244,399; June 3.
Kratky, Anton, New York, N. Y. Electric lamp filament. 2,243,849; June 3.
Krautz, Erich, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Fluorescent material. 2,244,558; June 3.
Krebs, Luther E., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated. Contact chatter indicator. 2,244,338; June 3.
Kronhaus, Dina, et al. (See Kronhaus, Semen, assignor.)
Kronhaus, Semen, Los Angeles, assignor of one-third to C. Ivanoff, and one-third to D. Kronhaus, Los Angeles County, Calif. Life preserver. 2,244,163; June 3.
Krueger, Emil M., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis. Nutating disk motor. 2,244,539; June 3.
Kruger, Theodore, Peoria, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y. Controlling superheat. 2,243,909; June 3.
Kurtz, Jacob, Teaneck, assignor to Callite Tungsten Corporation, Union City, N. J. Electrode for gaseous discharge tubes. 2,244,070; June 3.
Kvalnes, Donovan F. (See Rossander, S. S., and Kvalnes.)
Kvalnes, Donovan E., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Disazo dyes for cellulose esters and ethers. 2,244,339; June 3.
Kwon, Doin, Honolulu, Hawaii. Bamboo curtain. 2,244,300; June 3.
Laborda, Richard, Brooklyn, N. Y., assignor to Lowe Paper Company, Ridgefield, N. J. Venetian blind. 2,243,910; June 3.
La Bour, Harry E., Elkhart, Ind. Self-priming centrifugal pump. 2,244,397; June 3.
Lakatos, Emory, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alternating current relay. 2,243,911; June 3.
Lamb, Harold W. (See Smith, F. N., and Lamb.)
Landis & Gyr, A.-G. (See Mettler, Josef, assignor.)
Landrus, Paul E., Lexington, Ky. Collapsible tube. 2,244,071; June 3.
Larsen, Paul V., assignor to Pettibone Mulliken Corporation, Chicago, Ill. Dipper. 2,243,965; June 3.
Larson, Andrew, Tacoma, Wash. Door check and holding device. 2,244,254; June 3.
Larson, Milton H., assignor to L. A. Darling Company, Bronson, Mich. Hand form. 2,243,966; June 3.
Lawrence, James N., and R. H. Hieronymus, assignors to The Drackett Company, Cincinnati, Ohio. Making protein products. 2,243,871; June 3.
Lawton, Edward M., Chelsea, Mass. Dump truck hoist. 2,244,559; June 3.
Layne, Leslie A., H. C. Block, and A. L. Roco, Houston, Tex.; said Block and said Roco assignors to said Layne. Packer and setting tool. 2,243,967; June 3.
Lazar, Arthur, Berkeley, and T. F. McCormick, Oakland, assignors to Tide Water Associated Oil Company, San Francisco, Calif. Treatment of light petroleum distillates. 2,244,164; June 3.
Leavenworth, Frank G., Elmhurst, Ill. Intestine feeding mechanism. 2,244,560; June 3.
Le Beau, Ernest A., assignor to Chicago Railway Equipment Company, Chicago, Ill. Sliding door fastener. 2,243,872; June 3.
Ledbetter, Wiley C., Obion, Tenn. Handling implement. 2,244,072; June 3.
Legler, Henry, Larchmont, N. Y. Display stand. 2,243,912; June 3.
Le Gore, John T. P., Flushing, N. Y. Device for washing dishes and the like. 2,244,301; June 3.
Leguillon, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for removing curing bags. 2,244,162; June 3.
Lenzke, Conrad T., Detroit, Mich. Meat shaping and pressing device. 2,244,540; June 3.
Lester Engineering Company. (See Lester, Nathan, assignor.)
Lester, Nathan, Cleveland Heights, assignor to Lester Engineering Company, Cleveland, Ohio. Plastic casting machine. 2,243,968; June 3.
Letz Manufacturing Company, The. (See Holland-Letz, John, assignor.)
Levin, Nyman. (See Brett, G. F., and Levin.)
Lewis Invisible Stitch Machine Co. (See Stevenson, Geoffrey, assignor.)
Lewis, William L. (See Hughes, H. R., Palmer, and Lewis.)
Libbey Glass Company. (See Vollstorf, Karl B., assignor.)

Libbey, W. S., Company. (See Lurie, Joseph M., assignor.)
Lidköpings Mekaniska Verkstads Aktiebolag, Fabriksgatan. (See Ekiholm, Carl G., assignor.)
Lima, Henry C., Flushing, N. Y. Automatic self loading and unloading truck. 2,244,524; June 3.
Link, Edwin A., Jr., Binghamton, N. Y. Signal controlling means. 2,244,464; June 3.
Link, Fred M. (See Budelman, Frederick T., assignor.)
Link, Jakob. (See Rheiner, A., and Link.)
Lipe, W. C., Inc. (See Spase, Charles B., assignor.)
Lippé, Joseph L. E., Pawtucket, R. I. Valve cap holder. 2,244,465; June 3.
Lips, Eduard M. H. (See Hiensch, J. N., and Lips.)
Livak, John E., and A. T. Knutson, assignors to The Dow Chemical Company, Midland, Mich. Manufacture of methyl bromide. 2,244,629; June 3.
Loew's Incorporated. (See Miketta, C. A., and Wise, assignors.)
Logan Co. Inc. (See Barlow, Robert C., assignor.)
Lombardini, Luigi, Turin, Italy. Vertical file drawer. 2,244,561; June 3.
Longley, Herman V., Elkton, Va., assignor of one-half to L. C. Reeves, Haddonfield, N. J. Display device. 2,244,206; June 3.
Looman, Iris C., Borger, assignor to Electrical Treating Company, Dallas, Tex. Well clearing system. 2,244,255; June 3.
Looman, Iris C., Borger, assignor to Electrical Treating Company, Dallas, Tex. Apparatus for clearing wells. 2,244,256; June 3.
Loomis, Peter B., Birmingham, Mich., assignor to Borg-Warner Corporation. Refrigerating apparatus. 2,244,525; June 3.
Lorton, Ralph K., New Castle, Ind. Hydraulic power transmission. 2,244,207; June 3.
Losey, Clifford V. (See Harrington, F. T., Losey, and Miller.)
Lowe Paper Company. (See Laborda, Richard, assignor.)
Loweke, Erwin F., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure producing device. 2,244,562; June 3.
Lowenthal, Harold, assignor to Herbert & Pohs Inc., New York, N. Y. Glass ornament with pin and making the same. 2,244,493; June 3.
Lower, Nathan M., Erie, Pa. Furnace appliance. 2,243,970; June 3.
Lubszynski, Hans G., Hillingdon, and S. Rodda, Enfield, assignors to Electric & Musical Industries Limited, Hayes, England. Television. 2,244,466; June 3.
Lummus Cotton Gin Company. (See Grimes, Thaddeus S., assignor.)
Lurie, Joseph M., assignor to W. S. Libbey Company, Lewiston, Maine. Boot or shoe. 2,243,969; June 3.
Lyman, Arthur L., Berkeley, assignor to Standard Oil Company of California, San Francisco, Calif. Selective solvent extraction. 2,243,873; June 3.
Lynn, George E., and F. W. Fletcher, assignors to The Dow Chemical Company, Midland, Mich. Fumigant container. 2,244,302; June 3.
Lyon, Claude H., assignor to Motor Wheel Corporation, Lansing, Mich. Riveting. 2,244,073; June 3.
Lyon, George A., Allenhurst, N. J. Wheel cover member and assembly. 2,244,014; June 3.
Lysholm, Alf., assignor to Aktiebolaget Milo, Stockholm, Sweden. Rotary compressor. 2,243,874; June 3.
Lysholm, Alf, assignor to Aktiebolaget Milo, Stockholm, Sweden. Turbine. 2,244,467; June 3.
Lytle, William O., New Kensington, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Heat-absorbing glass and producing same. 2,244,468; June 3.
M. J. B. Company. (See Bardet, George A. and G. V.)
Maatsch, Thurlow H., Flint, Mich. Railroad signaling device. 2,243,971; June 3.
MacKay, Cecil J., assignor to Rust Proofing Company of Canada, Limited, Montreal, Quebec, Canada. Treating metal surfaces. 2,244,526; June 3.
MacKenzie Muffler Company. (See Haas, Lucien L., assignor.)
MacKinnon, Robert R., Chicago, Ill. Game. 2,244,015; June 3.
MacLaren, Frederick H. (See Adams, E. W., and MacLaren.)
Maclean, Neil A., San Francisco, Calif., assignors, by mesne assignments, to The Dow Chemical Company, Midland, Mich. Dispensing methyl bromide. 2,244,341; June 3.
Macomic, Chester A., Chicago, Ill. Composing machine. 2,243,875; June 3.
Maddox, Everett B., Hyattsville, Md. Pneumatic tool safety valve. 2,243,876; June 3.
Magnusson, Knut J. (See Bedford, A. V., and Magnusson.)
Mahany, Arthur R., Dunkirk, assignor to Van Raalte Company, New York, N. Y. Sewing machine. 2,244,424; June 3.
Mahaney, Frank A., Sioux City, Iowa. Governor and generator for wind charging devices. 2,244,494; June 3.
Mahick, Gustave, East Orange, N. J. Aerial projectile toy. 2,244,342; June 3.
Manly, Harold P., Wilmette, assignor to C. P. Pierce, Evanston, Ill. Tube testing system. 2,244,495; June 3.
Mann, Raiph J., and A. Mellor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of textile materials. 2,243,877; June 3.
Manning, Maxwell & Moore, Incorporated. (See Hopkins, Frank H., assignor.)
Manning, Maxwell & Moore, Incorporated. (See Sugden, C. N., and Kahn, assignors.)
Mansfield, Eston S., Atlanta, Ga. Cigar and cigarette lighter. 2,244,563; June 3.
Mantle Lamp Company of America, The. (See Gerhauser, John P., assignor.)
Marathon Paper Mills Company. (See Metternich, Benjamin H., assignor.)
Marcum, Jacob L., Louisville, Ky., deceased; E. L. Mackey, administrator, assignor of one-third to I. M. Haselwood, Cumbellsville, one-third to V. L. Barnett, Louisville, and one-third to J. M. Marcum, Buechel, Ky. Template. 2,244,303; June 3.
Marcum, Jay M., et al. (See Marcum, Jacob L., assignor.)
Marien, Charles A., assignor of one-fourth to M. W. Marien, St. Louis, and one-fourth to H. A. Beimes, Webster Groves, Mo. Piston. 2,244,166; June 3.
Marien, Melvin W., et al. (See Marien, Charles A., assignor.)
Marinsky, Davis, and L. H. Morin, assignors to Whitehall Patents Corporation, Bronx, N. Y. Die casting machine. 2,244,425; June 3.
Marks, Ernest M., Lansdowne, assignor to The Atlantic Refining Company, Philadelphia, Pa. Fuel for compression ignition engines. 2,244,490; June 3.
Marriage, Anthony, R. F. W. Selman, and G. W. W. Stevens, Wealdstone, Harrow, England, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic process. 2,244,304; June 3.
Marshal, Paul A., Lakewood, Ohio, assignor to National Carbon Company, Inc. Manufacturing dry cells. 2,244,016; June 3.
Marsden, George P., Riverside, assignor to Food Machinery Corporation, San Jose, Calif. Fruit brusher. 2,244,110; June 3.
Marshall, Leonard J., Tenafly, N. J., assignor to Combustion Engineering Company, Inc., New York, N. Y. Divided economizer and control. 2,243,913; June 3.
Martin, Angus, A., Winsted, Conn. Motor. 2,243,878; June 3.
Martin, Curtis J., Chicago, and J. F. Maska, Cicero, Ill., assignors to National Pneumatic Company, New York, N. Y. Power door operator. 2,243,914; June 3.
Martin, Erle. (See Caldwell, F. W., and Martin.)
Martin, Glenn L., Company, The. (See Driggs, Ivan H., assignor.)
Martin, Louis, Haddon Heights, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical measuring and calculating device. 2,244,369; June 3.
Martin, Wade B., Westwood, N. J., and G. F. Townsend, New York, N. Y., assignor to American Telephone and Telegraph Company. Reversible line feed for teletype-writers. 2,244,074; June 3.
Marvel, Harvey E., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Hose reel latching mechanism. 2,244,541; June 3.
Maska, Joseph F. (See Martin, C. J., and Maska.)
Mason, Clesson E., and C. J. Brown, assignors to The Foxboro Company, Foxboro, Mass. Control. 2,244,564; June 3.
Massie, Lewis E. (See Fenske, C. H., Massie, and Harrington.)
Matchless Electric Company. (See Dittman, P. C., and Stechbart, assignors.)
Matthews, Howard W. (See Berger, E. J., and Matthews.)
Maul, Michael, Berlin-Johannisthal, assignor to the firm Deutsche Hollerith Maschinen Gesellschaft m. b. H., Berlin-Lichterfelde, Germany. Translating means for electrical currents. 2,244,257; June 3.
Maurer, Sam, Vancouver, British Columbia, Canada. Woodworking device. 2,244,426; June 3.
Maxwell, Clyde, Glen Ellyn, assignor of one-half to H. J. Zack, Chicago, Ill. Humidifier. 2,244,017; June 3.
Maytag Company, The. (See Mikulasek, John, assignor.)
McCormick, Thomas F. (See Lazar, A., and McCormick.)
McCoy, Thomas A. (See Granberg, A. J., and McCoy.)
McCrae, Thomas S., Jr. (See Hazen, R. M., and McCrea.)
McCullough, Campbell R. (See Hubbard, F. E., and McCullough.)
McFarland, Charles H., Primos, Pa., and H. A. Shumaker, assignors to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,244,165; June 3.
McGee, Walter L., Alameda, Calif. Garment stay. 2,244,167; June 3.
McKee, Garnet W., Rockford, Ill. Gas mixing apparatus. 2,244,111; June 3.
McNabb, Maxwell. (See Senior, A. I., and McNabb.)
McNabbs, Ernest. (See Strayer, G. A., and McNabbs.)
McNaney, Joseph T., Baltimore, Md. Recording device. 2,244,497; June 3.
McNeil, William M., Wheaton, Ill., and B. T. Ballard, Warren, Ohio, assignors to United States Gypsum Company, Chicago, Ill. Machine for producing expanded metal. 2,244,305; June 3.
Meech, Raiph E. (See Smeltzly, Harold K., assignor.)

Meer, Karl, assignor to Kienzle Taxameter-und Apparate A. G., Villingen, Schwarzwald, Germany. Indicating and recording apparatus. 2,244,653; June 3.
Mehner, Vilma. (See Rostler, F., and Mehner.)
Meiswinkel, Samuel, Gaggenau, Baden, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Injection pump control. 2,244,306; June 3.
Mellor, Albert. (See Flanagan, B. J., and Mellor.)
Mellor, Albert. (See Mann, R. J., and Mellor.)
Menge, Clarence H., Mount Clemens, assignor to The Murray Corporation of America, Detroit, Mich. Spring construction. 2,244,469; June 3.
Menzel, Friedrich, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Voltage control of generators in electrical installation of vehicles. 2,244,307; June 3.
Merrill, Donald G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for annealing glassware. 2,244,112; June 3.
Merrill, Donald G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Lehr and treating glassware therein. 2,244,113; June 3.
Messing, Joseph A. (See Frank, W. H., and Messing.)
Metternich, Benjamin H., Ashland, assignor to Marathon Paper Mills Company, Rothschild, Wis. Folded napkin. 2,244,630; June 3.
Mettler, Josef, Allenwinden, Zug, Switzerland, assignor to Landis & Gyr, A.-G. Coin-controlled setting mechanism for energy dispensing devices. 2,244,370; June 3.
Meyer, George J., Manufacturing Company. (See Meyer, George L. N., assignor.)
Meyer, George L. N., Milwaukee, assignor to George J. Meyer Manufacturing Company, Cudahy, Wis. Conveyer for pasteurizers. 2,243,879; June 3.
Meyercord, Agnes A., executor, et al. (See Meyercord, George R., assignor.)
Meyercord, George R., Chicago, Ill., deceased; A. A. Meyercord, G. R. Meyercord, Jr., and E. B. Meyercord, executors. Joint and structure embodying the same. 2,244,343; June 3.
Meyercord, Edward B., executor, et al. (See Meyercord, George R., assignor.)
Meyercord, George R., Jr., executor, et al. (See Meyercord, George R., assignor.)
Michigan Research Laboratories, Inc. (See Erickson, D. R., and Thoma, assignors.)
Midland Steel Products Company, The. (See Almond, John R., assignor.)
Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Mineral oil product. 2,244,075; June 3.
Miketta, Casimir A., Beverly Hills, and A. G. Wise, Los Angeles, Calif., assignors to Loew's Incorporated. Developing machine. 2,244,170; June 3.
Mikulasek, John, assignor to The Maytag Company, Newton, Iowa. Wringer construction. 2,243,972; June 3.
Miles, John B., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric material. 2,244,208; June 3.
Miller, Albert J., et al. (See Bell, Arthur R., assignor.)
Miller, Albert W., Jamaica, N. Y. Lock-nut construction. 2,244,400; June 3.
Miller, Herchael W., Davenport, Iowa, assignor to Wafl-Berger, Inc., Moline, Ill. Food cooker. 2,244,168; June 3.
Miller, Kay, assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Clutch. 2,244,169; June 3.
Miller, Raymond S. (See Harrington, F. T., Losey, and Miller.)
Miller, William H., Royal Oak, assignor to The Flex-O-Tube Company, Detroit, Mich. Making fastening devices. 2,244,427; June 3.
Miller, William J., Swissvale, Pa. Method of and apparatus for manufacturing pottery ware. 2,243,880; June 3.
Mills, Edward K., Jr., Morristown, N. J. Airplane pilot trainer. 2,243,973; June 3.
Mine Safety Appliances Company. (See Jacobson, M. G., and Hartline, assignors.)
Minneapolis-Honeywell Regulator Company. (See Crawford, Robert B. P., assignor.)
Minneapolis-Honeywell Regulator Company. (See Harris, John L., assignor.)
Minneapolis-Honeywell Regulator Company. (See Hartig, Henry E., assignor.)
Minneapolis-Honeywell Regulator Company. (See Holmes, G. I., and Craig, assignors.)
Minneapolis-Honeywell Regulator Company. (See Nessell, Clarence W., assignor.)
Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)
Minneapolis-Honeywell Regulator Company. (See Sisson, Wilbur H., assignor.)
Minneapolis-Honeywell Regulator Company. (See Turner, John, assignor.)
Minnesota Mining & Manufacturing Company. (See Herchenrider, Henry R., assignor.)
Minster Machine Company, The. (See Wissman, Reuben E., assignor.)
Miratsky, James J., Omaha, Nebr. Optical color separation means. 2,244,498; June 3.
Mitchell, Herbert H., assignor to The Kennedy-Pen Bosch Company, San Francisco, Calif. Folder. 2,243,974; June 3.
Moe, John E., assignor to The Gates Rubber Company, Denver, Colo. Control head packer. 2,244,076; June 3.
Mold, John G., Harris, Minn. Potao picker and grader. 2,243,975; June 3.
Monnahan, J. L. (See Bishop, Benjamin F., assignor.)
Monsanto Chemical Company. (See Hubbard, F. E., and McCullough, assignors.)
Moran, Alfred J. (See Ajero, Fortunato, assignor.)
Moravecky, Frank J., Beaver Falls, Pa. Electromagnetic container. 2,244,371; June 3.
Morgan Construction Company. (See Morgan, Myles, assignor.)
Morgan, George C., Birmingham, Ala., assignor to Continental Gin Company. Division board adjustment for linter gins. 2,244,542; June 3.
Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Rolling mill. 2,244,499; June 3.
Morgenstern, Stefan. (See Schrauth, W., and Morgenstern.)
Morin, Louis H. (See Marinsky, D., and Morin.)
Moss, Lenis J., Henry, La. Portable power cane and juice mill. 2,244,209; June 3.
Motor Wheel Corporation. (See Lyon, Claude H., assignor.)
Moyle, Clarence L., and G. H. Coleman, assignors to The Dow Chemical Company, Midland, Mich. Unsaturated ethers. 2,244,308; June 3.
Moyle, Clarence L., and G. H. Coleman, assignors to The Dow Chemical Company, Midland, Mich. Unsaturated ethers. 2,244,309; June 3.
Mueller, Herbert B., Los Angeles, Calif. Hand truck. 2,243,915; June 3.
Mueller, Moritz L., Grosse Pointe, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Heater. 2,243,916; June 3.
Mullett, Howard G. (See Heine, H. E., and Mullett.)
Munday, John C., and E. W. Nicholson, Baton Rouge, La., assignors to Standard Oil Development Company, Carrying out catalytic reactions. 2,244,018; June 3.
Murphy, Florence, Boston, Mass. Mattress. 2,244,310; June 3.
Murray Corporation of America, The. (See Menge, Clarence H., assignor.)
Murray, Howard J., New York, N. Y., and W. S. Rugg, Pittsburgh, Pa., deceased, H. V. Rugg and Commonwealth Trust Co., Pittsburgh, Pa., executors. Vehicle signal system. 2,244,171; June 3.
N. V. Machinefabriek "Reineveld." (See van Reil, Pieter, assignor.)
N. V. Philips, Gloeilampenfabricken. (See Hiensch, J. N., and Lips, assignors.)
Nashua Gummed and Coated Paper Company. (See Gautier, Trevor R., assignor.)
Nashan, Paul, Oberhausen-Sterkrade, Germany. Partially oxidizing methane. 2,244,210; June 3.
Nast, Leo, Plainfield, assignor to Universal Plastics Corporation, New Brunswick, N. J. Multicolored molded product and making the same. 2,244,565; June 3.
National Blank Book Company. (See Schade, Frank S., assignor.)
National Blank Book Company. (See Schade, John, assignor.)
National Carbon Company. (See Marsal, Paul A., assignor.)
National Lead Company. (See Nelson, W. K., and Ploetz, assignors.)
National Lead Company. (See Ratcliffe, George L., assignor.)
National Lock Co. (See North, E. W., and Stone, assignors.)
National Pneumatic Company. (See Martin, C. J., and Maska, assignors.)
National Telephone Supply Company, The. (See Klein, Charles H., assignor.)
National Tool Company, The. (See Hannum, Charles M., assignor.)
Nee, Raymond M., Brighton, and C. O. Radden, West Roxbury, Mass. Flow restrictor. 2,244,311; June 3.
Neldig, William J., Napoleon, Ohio. Vacuum cleaner. 2,244,077; June 3.
Neiswinter, James T., Cleveland, Ohio, assignor to American Telephone and Telegraph Company. Telegraph test board. 2,244,566; June 3.
Nelson, Carl J., Los Angeles, Calif. Picnic table. 2,244,211; June 3.
Nelson, Walter K., and A. O. Ploetz, Metuchen, N. J., assignors to National Lead Company, New York, N. Y. Basic titanium phthalate and making the same. 2,244,258; June 3.
Nessell, Clarence W., Dayton, Ohio, assignor to Minneapolis, Minn. Temperature regulation. 2,244,631; June 3.
Neunherz, Herbert W., Gardner, Mass. Back lock for studio couches. 2,244,470; June 3.
Newcombe, Frank A. (See Whitmore, J. B., and Newcombe.)
Newitts, Theodore P. (See Parsons, E. T., Sawyer, and Newitts.)
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration system. 2,244,312; June 3.
Nichols, Herbert L., Jr., Greenwich, Conn. Valve means for hydraulically tiltable bulldozers. 2,244,471; June 3.

Nicholson, Edward W. (See Munday, J. C., and Nicholson.)
Niles-Bement-Pond Company. (See Shaw, John C., assignor.)
Noir, Etienne, San Marino, Calif. Multiple flash bulb carrier for photography. 2,244,114; June 3.
Nordberg Manufacturing Company. (See Ramstad, George E., assignor.)
North, Edwin W., and R. A. Stone, assignors to National Lock Co., Rockford, Ill. Latch. 2,244,344; June 3.
Norton Company. (See Flygare, Carl G., assignor.)
Norton, Raymond P., Algona, Iowa. Pipe end cutting and grinding machine. 2,243,976; June 3.
Novak, Joseph, Roy, Wash. Electric water heater. 2,244,172; June 3.
Novick, Abraham. (See Smithe, F. B., and Novick.)
Nu-Hold Manufacturing, Inc. (See Epstein, Maurice E., assignor.)
Nydegger, Roland R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Machine for boarding fabric articles. 2,244,472; June 3.
Nyquist, Harry, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,244,500; June 3.
Oakley, Eugene H. (See Holm, M. M., Oakley, and Humphreys.)
O'Connell, Thomas C. (See Carson, R. N., and O'Connell.)
Odarenko, Todos M. (See Booth, R. P., and Odarenko.)
Ohio Crankshaft Company, The. (See Denneen, F. S., and Dunn, assignors.)
Ohio Steel Foundry Company, The. (See Harbison, Clarence B., assignor.)
Ohlsson, Frans O. A., Orebro, Sweden. Vertical hot water boiler. 2,244,567; June 3.
O'Leary, Charles M., Los Angeles, Calif. Oil well pump and counterbalance. 2,244,428; June 3.
Olesen, Uffe K. (See Hixson, R. G., and Olesen.)
Oliver, Arthur L. (See Rust, N. M., Brailsford, Oliver, and Ramsay.)
Oliver Machinery Company. (See Caldwell, Harry F., assignor.)
Oliver, Robert W., Syracuse, N. Y. Putty knife. 2,244,000; June 3.
Osborn, Frank C., Manchester, Vt. Stretching frame. 2,244,473; June 3.
Ottinger, Eugene C., Hinton, Okla. Jetty. 2,244,433; June 3.
Overton, Clarence D., Los Angeles, Calif. Amalgamator and concentrator. 2,244,429; June 3.
Owens-Illinois Glass Company. (See Eastus, Harold L., assignor.)
Owens-Illinois Glass Company. (See Robertson, William M., assignor.)
Owens-Illinois Glass Company. (See Slayter, G., Atkinson, and Fletcher, assignors.)
Owens, Robert S., Brooklyn, N. Y. Corrosion resistant yarn and fabric. 2,243,917; June 3.
Pacific Electric Manufacturing Corporation. (See Dowler, Frank A., assignor.)
Palmer, Richard W. (See Hughes, H. R., Palmer, and Lewis.)
Palmeter, Harry E., Auburn, assignor to William N. Allyn, Skaneateles, N. Y. Telescope for endoscopic instruments and the like. 2,244,568; June 3.
Paragon Uniform Corporation. (See Kleiman, Morris, assignor.)
Parke, Peter. (See Christianson, A., and Parke.)
Parlini, Alexander. (See Thorn, P. M., Parlini, and Recker.)
Parsons, Edward T., Upper Montclair, H. W. Sawyer, Nutley, and T. P. Newitts, Union, assignors to Thomson Machine Company, Belleville, N. J. Dough-roll transfer device for dough handling machinery. 2,244,430; June 3.
Paschke, Erich, Berlin-Neukoelln, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Drive mechanism for tuning means. 2,244,019; June 3.
"Patchem A.-G. Zur Beteiligung An Patenten Und Sonstigen Erfindungsrechten Auf Chemische Verfahren." (See Schrauth, W., and Morgenstern, assignors.)
Patent Button Company, The. (See Carley, Leonard R., assignor.)
Patentverwertungs-Gesellschaft mit beschränkter Haftung "Herme." (See Güntherschulze, August, assignor.)
Patentvertungs-Gesellschaft mit beschrankter Haftung "Hermes." (See Hintze, Rudolf, assignor.)
Pateras Pescara, Raul, Paris, France. Fuel mixture feed system for internal combustion engines. 2,244,214; June 3.
Pateras Pescara, Raul, Paris, France, assignor of one-fifth to Societe d'Etudes et de Participations Eau, Gaz, Electricite, Energie S. A., Geneva, Switzerland. Free piston machine. 2,244,215; June 3.
Patton, Carl W., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Liquid dispersion of carbon black and vinyl resins. 2,244,020; June 3.
Patton, Willis A., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Unloading valve mechanism. 2,244,212; June 3.
Patton, Willis A., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Valve structure. 2,244,213; June 3.
Patzer, William. (See Tratsch, W. A., and Patzer.)
Parker, Sydney M., assignor to Automotive Products Company Limited, London, England. Liquid pumping system. 2,243,918; June 3.
Paxton, Gerald C. (See Paxton, Hale and G. C., and Stillwell.)
Paxton, Hale and G. C., Santa Ana, and G. E. Stillwell, Anaheim, assignors to Food Machinery Corporation, San Jose, Calif. Machine for the manufacture of box parts. 2,243,919; June 3.
Peirce, Charles P. (See Manly, Harold P., assignor.)
Pelikan, John M., Greentree, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,244,401; June 3.
Pen-Chlor, Incorporated. (See Reitz, H., and Ehlers, assignors.)
Penn, Frederic H., Dallas, Tex. High melting point chocolate and preparing the same. 2,244,569; June 3.
Penweld Corporation. (See Watson, Glenn W., assignor.)
Peppler, Leslie A. (See Wery, A. G., and Peppler.)
Perlberg, Benjamin B., Brooklyn, N. Y. Baling press and baling. 2,244,078; June 3.
Peters, Melville F., Beltsville, Md., and R. H. Stone, Bound Brook, N. J., assignors to Titeflex Metal Hose Co. Making radio shielded conductors. 2,243,881; June 3.
Petry, John, Flushing, N. Y., assignor to Raylite Trading Co., Inc. Current-tapping cap-plug fitting and the like attachment devices. 2,244,527; June 3.
Pettibone Mulliken Corporation. (See Larsen, Paul V., assignor.)
Peyer, Julius, assignor to Sandoz, Ltd., Basel, Switzerland. Preparation of amino-alcohols. 2,243,977; June 3.
Philips, Herman B., New Rochelle, N. Y. Vibrator. 2,243,920; June 3.
Philco Radio and Television Corporation. (See Barth, Jay E., assignor.)
Phillips, Jackson E., assignor of one-third to P. C. Hall and one-third to H. O. Savercool, Douglas, Ariz. Punching device. 2,244,079; June 3.
Phillips, Laurance V. (See Anné, C. T., Phillips, and Schwarz.)
Phinney, Edward D., Mount Vernon, N. Y., assignor to Gasoline Products Company, Inc., Jersey City, N. J. Cracking hydrocarbon oils. 2,244,632; June 3.
Piccardi, Alfred W., New York, N. Y. Alarm mechanism. 2,244,431; June 3.
Pichler, Helmut. (See Fischer, Franz, and Pichler.)
Pierce, Raymond C., Chicago, Ill. Hydraulic snubbing device. 2,244,501; June 3.
Pieper, Henri, Brussels, Belgium. Power transmitting arrangement for motor-driven vehicles. 2,244,216; June 3.
Pignani, Frank, Marsteller, Pa. Demountable wheel. 2,244,570; June 3.
Pignani, Frank, Marsteller, and J. Ferretti, Hastings, Pa. Lifting apparatus. 2,244,571; June 3.
Pink, Ira M., and V. J. Bergstrom, assignors to Superior Felt & Bedding Co., Chicago, Ill. Twin unit couch. 2,243,882; June 3.
Piron, Emil H., assignor, by mesne assignments, to Transit Research Corporation, New York, N. Y. Rail truck. 2,244,502; June 3.
Pitman, Henry L., Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,244,115; June 3.
Pittsburgh Plate Glass Company. (See Downes, Daniel T., assignor.)
Pittsburgh Plate Glass Company. (See Englehart, Oscar D., assignor.)
Pittsburgh Plate Glass Company. (See Lytle, William O., assignor.)
Pittsburgh Plate Glass Company. (See Tindall, Charles, assignor.)
Plaskon Company. (See Bigelow, Maurice H., assignor.)
Plaskon Company. (See Cordier, David E., assignor.)
Plebanski, Jozef, Warsaw, Mokotow, Poland, assignor to Radio Patents Corporation. Electric transmission network. 2,244,259; June 3.
Ploetz, Arthur O. (See Nelson, W. K., and Ploetz.)
Pohl, Wadsworth E., Los Angeles, assignor to Technicolor Motion Picture Corporation, Los Angeles, (Hollywood), Calif. Cinematographic film registration. 2,244,313; June 3.
Polonec, Lubo, and A. K. Andersen, Chicago, Ill. Combined brake and accelerator controlling means for automotive vehicles. 2,244,116; June 3.
Polysius, G., Aktiengesellschaft. (See Hasselbach, Alexander, assignor.)
Pomeroy, Ralph E. H., Rosita, Mexico, assignor to American Smelting and Refining Company, New York, N. Y. Wind box for sintering machine. 2,244,372; June 3.
Power, Donnell W., Summit, N. J., assignor to Radio Corporation of America. Electron discharge tube. 2,244,260; June 3.
Powers, James H., Fort Wayne, Ind., assignor to General Electric Company. Fluid flow responsive switching device. 2,244,373; June 3.
Powers, James H., Fort Wayne, Ind., assignor to General Electric Company. Waste disposal apparatus. 2,244,402; June 3.

Powers, Milton A., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Fluid fuel burning apparatus. 2,244,314; June 3.
Prentice, G. E., Mfg. Co., The. (See Conlin, Edward J., assignor.)
Preston, Laurence A., Houston, Tex. Traffic monitor. 2,244,117; June 3.
Pries, John C., Lorain, Ohio. Weedless propeller guard. 2,244,217; June 3.
Process Management Company. (See Atwell, Harold V., assignor.)
Quayle, George, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Mounting for lift truck platforms. 2,244,118; June 3.
Radden, Charles O. (See Nee, R. M., and Radden.)
Radio Corporation of America. (See Bedford, A. V., and Magnusson, assignors.)
Radio Corporation of America. (See Brett, G. F., and Levin, assignors.)
Radio Corporation of America. (See Bucklin, Kenneth G., assignor.)
Radio Corporation of America. (See Colchester, Christopher D., assignor.)
Radio Corporation of America. (See Eaglesfield, C. C., and Archer, assignors.)
Radio Corporation of America. (See Ewald, Earl R., assignor.)
Radio Corporation of America. (See Gallup, John L., assignor.)
Radio Corporation of America. (See Goldsmith, Alfred N., assignor.)
Radio Corporation of America. (See Iams, Harley A., assignor.)
Radio Corporation of America. (See Martin, Louis, assignor.)
Radio Corporation of America. (See Power, Donnell W., assignor.)
Radio Corporation of America. (See Rust, N. M., and Goodenough, assignors.)
Radio Corporation of America. (See Rust, N. M., Brailsford, Oliver, and Ramsay, assignors.)
Radio Patents Corporation. (See Guanella, Gustav, assignor.)
Radio Patents Corporation. (See Plebanski, Jozef, assignor.)
Radio Patents Corporation. (See Rath, Karl, assignor.)
Ragan Knitting Company. (See Dickens, Howard G., assignor.)
Railley Corporation. (See Kanter, Marcus E., assignor.)
Rainville, Alvin A., Worcester, Mass. Article of furniture. 2,244,474; June 3.
Ramsay, John F. (See Rust, N. M., Brailsford, Oliver, and Ramsay.)
Ramstad, George E., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Maneuvering gear for reversible internal combustion engines. 2,243,883; June 3.
Raskin, Walter, New York, N. Y. Evaporator plate for refrigerated cabinets. 2,244,475; June 3.
Ratcliffe, George L., assignor to National Lead Company, Los Angeles, Calif. Drilling deep wells. 2,244,476; June 3.
Rath, Karl, New York, N. Y., assignor to Radio Patents Corporation. Superregenerative amplifier. 2,244,261; June 3.
Rau, Harry A. (See Goebel, G., and Rau.)
Rawlins, Horace E., Harrisburgh, Ill. Double chain hook. 2,244,572; June 3.
Raylite Trading Co. (See Petry, John, assignor.)
Ray-O-Vac Company. (See Anthony, Herman R. C., assignor.)
Ray-O-Vac Company. (See Briggs, Leland G., assignor.)
Reader, Robert W., Rochester, assignor to Integral Auxiliary Equipment Limited, London, England. Rotory hydraulic intensifier. 2,243,978; June 3.
Rebstock, Kenneth E., Mankato, Minn. Merchandise punchboard device. 2,244,080; June 3.
Recker, Heinz. (See Thorn, P. M., Parlini, and Recker.)
Reed Roller Bit Company. (See Brown, Jesse F., assignor.)
Reeves, Donald H., assignor to General Motors Corporation, Dayton, Ohio. Ice cube mechanism. 2,244,081; June 3.
Reeves, Leslie C. (See Longley, Herman V., assignor.)
Reilly, William J. (See Gengenbach, Fritz, assignor.)
Reinad Novelty Co. (See Better, Adolph, assignor.)
Reis, John P. (See Baxter, D. L., and Reis.)
Reitz, Heinrich, and H. Ehlers, Bitterfeld, Germany, assignors, by mesne assignments, to Pen-Chlor, Incorporated, Philadelphia, Pa. Recovery of basic calcium hypochlorite compounds. 2,244,477; June 3.
Research Corporation. (See White, Harry J., assignor.)
Retschy, Curt, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Fuel valve for combustion engines. 2,244,345; June 3.
Revere Copper and Brass Incorporated. (See Wilkins, Richard A., assignor.)
Reyniers, James A., South Bend, Ind. Apparatus for and method of maintaining and working with biological specimens in a germfree controlled environment. 2,244,082; June 3.
Reynolds Metals Company. (See Reynolds, Richard S., assignor.)
Reynolds, Richard S., Richmond, Va., assignor to Reynolds Metals Company, New York, N. Y. Production of aluminum-coated iron or steel. 2,243,979; June 3.
Rheiner, Alfred, and J. Link, assignors to Sandoz Ltd., Basel, Switzerland. Softening textiles. 2,243,980; June 3.
Riblet, Henry J., Erie, Pa. Scaffold hoist. 2,244,374; June 3.
Richards, Donald A. (See Schmitt, G. P., and Richards.)
Richardson, Max C., assignor to Iron Fireman Manufacturing Company, Portland, Oreg. Furnace. 2,244,173; June 3.
Richter, Herman, Tuckahoe, N. Y. Locking device. 2,244,083; June 3.
Rickmeyer, Ernst W., Elmhurst, assignor to Jefferson Electric Company, Bellwood, Ill. Switch. 2,244,346; June 3.
Rickmeyer, Ernst W., Elmhurst, assignor to Jefferson Electric Company, Bellwood, Ill. Switch. 2,244,347; June 3.
Rickmeyer, Ernst W., Elmhurst, assignor to Jefferson Electric Company, Bellwood, Ill. Switch. 2,244,348; June 3.
Rickmeyer, Ernst W., Elmhurst, assignor to Jefferson Electric Company, Bellwood, Ill. Switch. 2,244,349; June 3.
Riddell, John T., Chicago, Ill. Playing ball. 2,244,503; June 3.
Riddell, John T., Chicago, Ill. Athletic shoe counter. 2,244,504; June 3.
Ridgeway, George A., Jefferson City, Mo. Expansion and contraction device. 2,244,315; June 3.
Riese, Karl F. (See Williams, James T. and J. T., Jr., and Riese.)
Ritz, Linus J., assignor to Wolverine Supply and Manufacturing Company, Pittsburgh, Pa. Adding machine. 2,243,884; June 3.
Roberts, George, Jr., Montclair, N. J., assignor to The M. W. Kellogg Company, New York, N. Y. Making catalysts. 2,244,573; June 3.
Robertson, H. H., Company. (See Young, J. H., and Jenkins, assignors.)
Robertson, William M., Waterville, Ohio, assignor to Owens-Illinois Glass Company. Jar closure. 2,244,316; June 3.
Robeson Process Company. (See Wallace, Frederick J., assignor.)
Rockwell, Edward A., Forest Hills, N. Y. Hydraulic power system. 2,244,317; June 3.
Roco, Albert L. (See Layne, L. A., Block, and Roco.)
Rodda, Sidney. (See Lubszynski, H. G., and Rodda.)
Rogers, Frank L. (See Cassiere, Alphonse T., assignor.)
Rogers, William J., Napa, Calif. Automobile radiator water cleaner. 2,244,574; June 3.
Rollings, William S., West Newton, Pa. Antiskid chain. 2,244,218; June 3.
Root, Arthur J., Quapaw, Okla. Crankcase ventilator. 2,244,403; June 3.
Rosedale Knitting Company. (See Gift, John, assignor.)
Rosen, Raphael, Elizabeth, and R. M. Thomas, Union, N. J., assignors to Standard Oil Development Company. Polymer composition. 2,244,021; June 3.
Rossander, Swanie S., Wilmington, Del., and D. E. Kvalnes, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Disazo dyes. 2,244,340; June 3.
Rostler, Fritz, and V. Mehner, Vienna, Germany. Rubber reclaiming. 2,244,654; June 3.
Rothermel, Karl. (See Klein, H., and Rothermel.)
Rowan, Bridgie, Chicago, Ill. Automobile cover. 2,243,981; June 3.
Rowley, Russell A., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Record posting machine. 2,244,262; June 3.
Royal Typewriter Company. (See Handley, George F., assignor.)
Ruckner, Henry. (See Finney, H. G., and Ruckner.)
Ruedrich, Paul M., Berkeley, and L. H. Sharp, Martinez, assignors to Tide Water Associated Oil Company, San Francisco, Calif. Manufacture of N,N-dicyclohexylparaphenylene diamine. 2,244,174; June 3.
Ruetgerswerke-Aktiengesellschaft. (See Deseke, Wilhelm, assignor.)
Rugg, Howard V., executor, et al. (See Murray, Howard J., and Rugg.)
Rugg, Walter S. (See Murray, H. J., and Rugg.)
Rust, Noël M., Chelmsford, J. D. Brailsford, and A. L. Oliver, London, and J. F. Ramsay, Chelmsford, England, assignors to Radio Corporation of America. Variable capacity device and circuit. 2,243,921; June 3.
Rust, Noël M., Danbury Common, Chelmsford, and E. F. Goodenough, Springfield, Chelmsford, England, assignors to Radio Corporation of America. Electrical filter. 2,244,022; June 3.
Rust Proofing Company of Canada. (See MacKay, Cecil J., assignor.)
Saco Lowell Shops. (See Kettley, Rex A., assignor.)
Saenger, Richard, Los Angeles, Calif. Automatic brake adjustment. 2,244,034; June 3.
Samerdyke, Fred J., Rocky River, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Reel adjusting means. 2,244,119; June 3.
Sampson, Eli, Marshfield, Oreg. Clamp. 2,244,219; June 3.
San Diego Marine Construction Co. (See Johnson, Dean B., assignor.)
Sandoz, Ltd. (See Peyer, Julius, assignor.)
Sandoz Ltd. (See Rheiner, A., and Link, assignors.)

Sanford, Charles C. (See Wheeler, Edwin F., assignor.)
Sanymetal Products Co., The. (See Carpenter, R. F., and Daugherty, assignors.)
Sauer, Erich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Waveband switching system. 2,244,023; June 3.
Sauer, Hans, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Finder for photographic purposes. 2,244,505; June 3.
Saunders, Frank S., Southampton, England. Apparatus for testing spark plugs. 2,244,404; June 3.
Saurer, Curt, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Resilient wheel. 2,244,633; June 3.
Savercool, Harold O., et al. (See Phillips, Jackson E., assignor.)
Sawyer, Hilon W. (See Parsons, E. T., Sawyer, and Newitts.)
Schade, Frank S., assignor to National Blank Book Company, Holyoke, Mass. Bookbinding construction. 2,244,175; June 3.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf binder. 2,244,176; June 3.
Schadek, Joseph, San Diego, Calif. Trash incinerator for boats or the like. 2,244,024; June 3.
Schaper, William A., Cicero, assignor to Johnson Laboratories, Inc., Chicago, Ill. Coupling device for radio purposes. 2,244,025; June 3.
Schaper, William A., Cicero, assignor to Johnson Laboratories, Inc., Chicago, Ill. Signal collecting system for radio receivers. 2,244,177; June 3.
Schauer, Harry A., Wauwatosa, assignor of one-half to W. H. Schmidt, Milwaukee, Wis. Engine starter. 2,244,220; June 3.
Schauer, Lawrence L., Wyoming, assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio. Radial drill. 2,244,026; June 3.
Schering Corporation. (See Serini, A., and Strassberger, assignors.)
Schilling, Frederick A., Jr., Vancouver, British Columbia, Canada. Vertical suspension door. 2,244,405; June 3.
Schlichenmaier, Hans, and L. W. Berlin, Frankfort-on-the-Main, and E. Berthold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation. Vat dyestuffs of the anthraquinone series. 2,244,655; June 3.
Schmidt, Oscar, International Incorporated. (See Finney, H. G., and Ruckner, assignors.)
Schmidt, William H. (See Schauer, Harry A., assignor.)
Schmitt, George P., New York, N. Y., and D. A. Richards, Stamford, Conn., assignors, by mesne assignments, to Cardinal Products, Inc. Lighter. 2,243,924; June 3.
Schnebelen, Paul A., assignor to Hi-Speed Tire and Accessory Company, Toledo, Ohio. Soldering tool. 2,244,576; June 3.
Schneider, Emmor V., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Compensating turntable drive. 2,244,120; June 3.
Schneider, Emmor V., assignor to The Alliance Manufacturing Company, Alliance, Ohio. Compensating turntable drive. 2,244,121; June 3.
Schneidewendt, Anna T., Chicago, Ill. Loom. 2,244,085; June 3.
Schönwald, Alexander, Berlin, Germany. Electric motor. 2,244,406; June 3.
Schotz, Walter C., Seattle, Wash. Vacuum cleaner. 2,244,375; June 3.
Schrauth, Walther, Berlin-Dahlem, and S. Morgenstern, Berlin, Germany, assignors, by mesne assignments, to "Patchem A.-G. Zur Beteiligung An Patenten Und Sonstigen Erfindungsrechten Auf Chemische Verfahren", Zurich, Switzerland. Procedure for the manufacture of caoutchouc products. 2,244,263; June 3.
Schreiber, Allen B., St. Joseph, Mo. Mill hammer. 2,244,577; June 3.
Schreiber, Allen B., St. Joseph, Mo. Agitator-feeder for sticky masses. 2,244,578; June 3.
Schroeder, Charles S., Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Electric hoist. 2,244,221; June 3.
Schulze, Ferdinand. (See Heath, M. A., and Schulze.)
Schur, Frederick P., Chicago, Ill. Remotely controlled self-propelled toy. 2,244,528; June 3.
Schwab, Edward C., Miami, Fla. Shutter fastener. 2,244,432; June 3.
Schwarz, William. (See Anné, C. T., Phillips, and Schwarz.)
Schweisch, Andre, Paris, France. Supporting surface for aircraft. 2,243,885; June 3.
Scott, Frank M., Fort Washakie, Wyo. Oil gauge rod wiper. 2,244,579; June 3.
Scott, Joseph C., Dayton, Ohio. Airplane mooring anchor. 2,243,886; June 3.
Scott, William M., Jr., Bryn Mawr, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Circuit breaker control system. 2,244,086; June 3.
Scudder, Eliot R., Braintree, assignor to Jarvis & Jarvis, Inc., Palmer, Mass. Wheel stretcher with spring suspended litter. 2,244,122; June 3.
Seavert, Howard H., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Mattress or cushion and making the same. 2,244,543; June 3.
Sebek, Albert T., Cicero, Ill. Locking and aligning means for machines. 2,244,123; June 3.
Seeley, Roy C., Los Angeles, Calif. Sanitary eyeshade. 2,243,982; June 3.
Seitz, Louis J., Jr., Elizabeth, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Photoelectric cell. 2,244,264; June 3.
Sekella, Youston, Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Engine starter. 2,244,265; June 3.
Selman, Raymond F. W. (See Marriage, A., Selman, and Stevens.)
Seng Company, The. (See Fox, Martin, assignor.)
Senior, Alfred I., and M. McNabb, assignors to The Sirone Company Limited, Motueka, Nelson, New Zealand. Oil burner. 2,244,178; June 3.
Serini, Arthur, Berlin, and L. Strassberger, Berlin-Wilmersdorf, Germany, assignors, by mesne assignments, to Schering Corporation, Bloomfield, N. J. Tertiary carbinols of the cyclopentano-polyhydrophenanthrene series and producing the same. 2,243,887; June 3.
Sharp, Leslie H. (See Ruedrich, P. M., and Sharp.)
Shaw, Clifford B., Newark, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Chip spreader. 2,243,983; June 3.
Shaw, John C., assignor to Niles-Bement-Pond Company, Hartford, Conn. Supporting roller bearing. 2,244,434; June 3.
Shelly, Llewellyn W., assignor to The Aldrich Pump Company, Allentown, Pa. Fluid pump control. 2,243,888; June 3.
Shemeley, Jeromo B., Maracaibo, Venezuela. Joint for drilling equipment. 2,244,124; June 3.
Shipp, Arthur, Bergenfield, N. J. Work-positioning gripper for printing presses. 2,243,922; June 3.
Shively, John J., New York, N. Y. Cigarette lighting and dispensing device. 2,243,889; June 3.
Shope, Clyde A., Oklahoma City, Okla. Automatic drain device for liquid circulating systems. 2,244,266; June 3.
Showalter, Howard L. (See Jett, H. K., and Showalter.)
Shumaker, Howard A. (See MacFarland, C. H., and Shumaker.)
Siefker, Arno G., Indianapolis, Ind. Multiple velocity indicator. 2,244,125; June 3.
Siemens-Reiniger-Werke Aktiengesellschaft. (See Bischoff, K., and Woernle, assignors.)
Simmons Company. (See Seavert, Howard H., assignor.)
Simons, John, Eugene, Oreg. Health mattress. 2,244,435; June 3.
Singewald, Karl, Baltimore, Md. Combination folding chair, canopy, and sunshade. 2,243,984; June 3.
Sirone Company Limited, The. (See Senior, A. I., and McNabb, assignors.)
Sisson, Wilbur H., Kansas City, Mo., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Air conditioning system. 2,244,634; June 3.
Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,244,318; June 3.
Skogland, Richard. (See Boelter, Rudolph G., assignor.)
Slawatycki, Henry, assignor of forty-eight and one-half percent to J. J. Stelmach, Buffalo, N. Y. Automobile direction signal switch. 2,243,890; June 3.
Slayter, Games, F. W. Atkinson, and E. Fletcher, Newark, Ohio, assignors to Owens-Illinois Glass Company. Electric furnace. 2,244,267; June 3.
Slootsky, Morris L., New York, N. Y. Coin packing tube. 2,244,222; June 3.
Smeltzly, Harold K., Ingram, assignor of one-half to R. E. Meech, Bellevue, Pa. Device for binding the edges of sheet material and the like. 2,244,268; June 3.
Smisloff, Walter, Fishkill, assignor to The Texas Company, New York, N. Y. Solvent dewaxing. 2,244,407; June 3.
Smith, Algernon L., Birmingham, Ala., assignor to Continental Gin Company. Apparatus for collecting and blending lint. 2,244,544; June 3.
Smith, Benjamin D., Utica, N. Y. Tractor dilator. 2,244,027; June 3.
Smith, Ferris N., and H. W. Lamb, assignors to American Humidaire Corporation, Grand Rapids, Mich. Humidifier. 2,244,126; June 3.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,244,087; June 3.
Smith, John E., Plainfield, N. J. Electrical heating vessel. 2,244,580; June 3.
Smith, John F., Quincy, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Shoe press. 2,244,545; June 3.
Smith, S. Morgan, Company. (See Golt, L. E., and Brisbane, assignors.)
Smith, William A., Jr., assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Drill steel centralizer. 2,244,127; June 3.
Smith, William E. (See Bone, H. L., Smith, and Woods.)
Smithe, F. L., Machine Co. (See Smithe, F. B., and Novick, assignors.)
Smithe, Frank B., Douglaston, and A. Novick, Flushing, assignors to F. L. Smithe Machine Co., Inc., New York, N. Y. Finishing metal fasteners. 2,244,223; June 3.
Sniffen, Robert P. (See Bobo, Stephen N., assignor.)
Snyder, Clarence E. (See Barder, E. H., and Snyder.)
Società Italiana Pirelli. (See Emanueli, Luigi, assignor.)
Societe d'Etudes et de Participations Eau, Gaz, Electricite, Energie S. A. (See Pateras Pescara, Raul, assignor.)

Société Rhodiaceta. (See Alibert, Jean-Marie, assignor.)
Societe "Rhodiaceta." (See Dilchert, Heinrich, assignor.)
Socony-Vacuum Oil Company. (See Crowley, John A., Jr., assignor.)
Spase, Charles B., Nedrow, assignor to W. C. Lipe Inc., Syracuse, N. Y. Operating mechanism for clutches. 2,244,128; June 3.
Sparklin, Charles H., assignor to Birtman Electric Company, Chicago, Ill. Suction cleaner. 2,243,985; June 3.
Speed Products Company. (See Crosby, Stephen A., assignor.)
Spencer, Rolf E. (See Blumlein, A. D., and Spencer.)
Sperry Products, Inc. (See Bigelow, Julian H., assignor.)
Spofford, Warren A., Glen Ridge, N. J., assignor to General Electric Company. Refrigerating system. 2,244,376; June 3.
Springborn, Rueben C., Iola, Wis. Cigarette lighter. 2,244,269; June 3.
Stacy, Thomas F., assignor to The French Oil Mill Machinery Co., Piqua, Ohio. Drawing metal blanks. 2,243,986; June 3.
Standard Alcohol Company. (See Vesterdal, Hans G., assignor.)
Standard Brands Incorporated. (See Frellich, J., and Frey, assignors.)
Standard Oil Company. (See Adams, E. W., and MacLaren, assignors.)
Standard Oil Company of California. (See Holm, M. M., Onkley, and Humphreys, assignors.)
Standard Oil Company of California. (See Lyman, Arthur L., assignor.)
Standard Oil Development Company. (See Blau, Ludwig W., assignor.)
Standard Oil Development Company. (See Mikeska, Louis A., assignor.)
Standard Oil Development Company. (See Munday, J. C., and Nicholson, assignors.)
Standard Oil Development Company. (See Rosen, R., and Thomas, assignors.)
Standard Stoker Company, The. (See Ketchpel, Paul A., assignor.)
Stanley Works, The. (See Boardman, Ralph H., assignor.)
Stapel, George D., Waucoma, Iowa. Binder control. 2,244,575; June 3.
Staszkiewicz, Joseph, Brooklyn, N. Y. Tracking mechanism cutter for portable or studio recording. 2,244,506; June 3.
Stator Corporation. (See Whitney, William E., assignor.)
Stechbart, Arthur. (See Dittman, P. C., and Stechbart.)
Stelmach, Joseph J. (See Slawatycki, Henry, assignor.)
Stevens, Guy W. W. (See Marriage, A., Selman, and Stevens.)
Stevenson, Geoffrey, Brookline, Mass., assignor to Lewis Invisible Stitch Machine Co., St. Louis, Mo. Blind stitch sewing machine. 2,244,224; June 3.
Stilwell, Glenn E. (See Paxton, Hale, G. C., and Stilwell.)
Stockdale, Harry C., Ravenna, Ohio, assignor to Food Machinery Corporation, San Jose, Calif. Fruit and vegetable sizer. 2,244,546; June 3.
Stokes, Thomas J., Houston, Tex. Oil burner. 2,243,987; June 3.
Stone, Roy A. (See North, E. W., and Stone.)
Stone, R. Harry. (See Peters, M. F., and Stone.)
Stone, William, St. John's Newfoundland. Automatic liquid separator. 2,243,988; June 3.
Storm, Peter, Chicago, Ill. Measuring instrument. 2,244,377; June 3.
Stover, Wilfred H., Dinsmore, Fla. Hobbyhorse. 2,244,028; June 3.
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Disk plow. 2,243,989; June 3.
Strassberger, Lothar. (See Serini, A., and Strassberger.)
Stratton, Philip B., assignor to Kirsch Company, Sturgis, Mich. Drapery hardware. 2,244,129; June 3.
Strayer, George A., and E. McNabbs, Lansing, Mich. Power saw. 2,244,029; June 3.
Strehlow, Walter F., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Lubricating system. 2,244,225; June 3.
Stridh, Carl H., assignor of one-half to C. Jonsson, Goteborg, Sweden. Machine for cleaning animal intestines. 2,244,179; June 3.
Stroud, Charles M., Minneapolis, Minn. Constant level valve. 2,244,088; June 3.
Sugden, Clifford N., Bridgefort, Conn., and S. Kahn, assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Gauge. 2,244,350; June 3.
Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
Sulzer, Frères, Société Anonyme. (See Retschy, Curt, assignor.)
Summers, Martin V., Kirbyville, Tex. Planter and fertilizer distributor. 2,244,646; June 3.
Sun Oil Company. (See Banks, Daniel B., assignor.)
Sunderland, Louis. (See Freda, V., and Sunderland.)
Superior Felt & Bedding Co. (See Fink, I. M., and Bergstrom, assignors.)
Swahnberg, Gunnar. (See Kingsbury, E. J., Swahnberg, and Foster.)
Swanstrom, Carl A., Maplewood, assignor to Elastic Stop Nut Corporation, Elizabeth, N. J. Anchor nut structure and the manufacture thereof. 2,243,923; June 3.
Swartz, Richey L., assignor of one-half to K. B. Cope, Canton, Ohio. Camera tripod. 2,244,089; June 3.
Syncro Machine Company. (See Fearn, Richard L., assignor.)
Tardete, Carl V., Jamestown, N. Y. Vending machine. 2,244,581; June 3.
Taylor, Charles H., Springfield, Mass., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,244,132; June 3.
Taylor, Robert S., Seattle, Wash. Transmission. 2,244,133; June 3.
Taylor, W. H. (See Dickens, James C., assignor.)
Technicolor Motion Picture Corporation. (See Pohl, Wadsworth E., assignor.)
Teehan, John F., Brockton, Mass. Shoe. 2,244,030; June 3.
Teehan, John F., Brockton, Mass. Shoemaking. 2,244,031; June 3.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Andrieh, R., and Brändle, assignors.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kotowski, Paul, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie. (See Paschke, Erich, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Sauer, Erich, assignor.)
Ter Horst, William P., Packanack Lake, N. J., assignor to United States Rubber Company, New York, N. Y. Parasiticide. 2,244,547; June 3.
Texas Company, The. (See Anné, C. T., Phillips, and Schwartz, assignors.)
Texas Company, The. (See Ashburn, H. V., and Alsop, assignors.)
Texas Company, The. (See Smisloff, Walter, assignor.)
Thatcher, Charles J., New York, N. Y. Piped air-conditioning and heating system. 2,244,319; June 3.
Thelander, W. Vincent, Rockford, Ill. Clutch plate. 2,244,134; June 3.
Thiele, Max. (See Greune, H., and Thiele.)
Thomas, Paul J. (See Erickson, D. R., and Thoma.)
Thomas, Henry, Elizabeth, N. J. Smoke indicator device. 2,244,507; June 3.
Thomas, Richard, & Company, Limited. (See Davies, Donald H., assignor.)
Thomas, Robert M. (See Rosen, R., and Thomas.)
Thompson, E. L., Chair Corporation. (See Brazell, John J., assignor.)
Thompson, Frederick H., Dayton, Ohio, assignor to Divine Brothers Company, Utica, N. Y. Buffing wheel. 2,244,582; June 3.
Thompson, Lucius M., Miami, Fla. Fulcrum attachment for fishing rods. 2,244,408; June 3.
Thomson Machine Company. (See Parsons, E. T., Sawyer, and Newitts, assignors.)
Thorn, Percy M., New Rochelle, and A. Parlini, Woodside, Long Island, N. Y., and H. Recker, Ridgewood, N. J.; said Parlini and Recker assignors to said Thorn. Electric outlet conduit. 2,243,990; June 3.
Tide Water Associated Oil Company. (See Lazar, A., and McCormick, assignors.)
Tide Water Associated Oil Company. (See Ruedrich, P. M., and Sharp, assignors.)
Tietig, Chester, Covington, Ky. Electrical contact. 2,244,436; June 3.
Tilander, Lauri K., Helsingfors, Finland. Portable grinding device, especially for grinding of crankshafts. 2,243,925; June 3.
Timken-Detroit Axle Company, The. (See Powers, Milton A., assignor.)
Timm, Julius, Evanston, Ill. Artificial bait. 2,244,032; June 3.
Tindall, Charles, Natrona Heights, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Apparatus for dressing bonded grinding wheels. 2,244,478; June 3.
Titeflex Metal Hose Co. (See Peters, M. F., and Stone, assignors.)
Tofé Bonilla, Saturnino, New York, N. Y. Keyboard for musical instruments. 2,243,834; June 3.
Toledo Scale Company. (See Hurt, Samuel N., assignor.)
Toledo Scale Company. (See Williams, Lawrence S., assignor.)
Topel, Russell, West Allis, and D. D. Burrows, Milwaukee, Wis. Apparatus for destroying vegetation and insects. 2,243,891; June 3.
Townsend, George F. (See Martin, W. B., and Townsend.)
Transit Research Corporation. (See Piron, Emil H., assignor.)
Tratsch, Walter A., and W. Patzer, Chicago, Ill. Coin and slug separator. 2,243,926; June 3.
Traub, Eberhard, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany. Condenser with metalized dielectric. 2,244,090; June 3.
Trebes, Bruno M. A. (See Brunner, A. J., and Trebes.)
Trempe, William J., North Billerica, Mass. Automatic electric control for compensator for felt tension device for papermaking machines. 2,244,033; June 3.
Tresenberg, Paul, Springfield Gardens, N. Y. Hair curler. 2,243,927; June 3.
Trout, Glen H. (See Curran, J. M., and Trout.)
Troxler, Charles G., assignor to The Hoover Company, North Canton, Ohio. Bag pressure indicator for suction cleaners. 2,244,130; June 3.
Turco Products, Inc. (See Hunter, Donald P., assignor.)

Turner, Edwin B., Wellington, Ohio. Fish lure. 2,244,378; June 3.
Turner, Helen N., and H. S. White, Palmyra, Mo. Garment. 2,244,583; June 3.
Turner, John, Boston, Mass., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Zone temperature control system. 2,244,584; June 3.
Twelt, Jacob M., Holcombe, Wis. Supplementary handle. 2,244,585; June 3.
Underwood Elliott Fisher Company. (See Botham, K. J., and Jaworski, assignors.)
Underwood Elliott Fisher Company. (See Pitman, Henry L., assignor.)
Underwood Elliott Fisher Company. (See Smith, Jesse A. B., assignor.)
Unger, Paul O., Elmhurst, assignor to Wilson-Jones Company, Chicago, Ill. Punch. 2,244,320; June 3.
Union Switch & Signal Company, The. (See Bone, H. L., Smith, and Woods, assignors.)
Union Switch & Signal Company, The. (See Pelikan, John M., assignor.)
United Aircraft Corporation. (See Caldwell, F. W., and Martin, assignors.)
United Shoe Machinery Corporation. (See Baxter, William L., assignor.)
United Shoe Machinery Corporation. (See Grimes, Harry N., assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
United States Gasket Company. (See Davis, Arthur G., assignor.)
United States Gypsum Company. (See McNeil, W. M., and Ballard, assignors.)
United States Rubber Company. (See Iknayan, Alfred N., assignor.)
United States Rubber Company. (See ter Horst, William P., assignor.)
Universal Plastics Corporation. (See Nast, Leo, assignor.)
Universal Products Co. Inc. (See Warner, Archibald A., assignor.)
Upton, William F., San Anselmo, Calif. Camera mounting for dental bracket tables. 2,244,409; June 3.
Van Norstrand, Ralph E., Suffield, Conn. Combination low water cutoff and pressure control. 2,244,131; June 3.
Van Raalte Company. (See Mahany, Arthur R., assignor.)
Van Riel, Pieter, assignor to N. V. Machinefabriek "Reineveld," Delft, Netherlands. Purification of oil in a centrifugal separator. 2,244,034; June 3.
Venable, James E., Morgan City, assignor to H. Y. Kitchell, Greenwood, Miss. Grinder. 2,244,586; June 3.
Venables, James G., assignor to R. C. Hoffman, doing business as York Barbell Company, York, Pa. Exercising device. 2,244,351; June 3.
Verrett, Ovila J., Syracuse, N. Y. Fishhook extractor. 2,244,270; June 3.
Vesterdal, Hans G., Elizabeth, N. J., assignor to Standard Alcohol Company. Preparation of alkyl esters. 2,243,991; June 3.
Vickers Incorporated. (See Harrington, Ferris T., assignor.)
Vickers, Incorporated. (See Hixson, R. G., and Olesen, assignors.)
Voigt, Leon, Galveston, Tex. Trap hook. 2,244,271; June 3.
Volt, Willy. (See Heinrich, H., Volt, and Hurst.)
Volstorf, Karl B., Toledo, Ohio, assignor to Libbey Glass Company. Stenciling apparatus. 2,244,272; June 3.
Vonderheid, Marion C., Long Lake, Wis., assignor to International Silver Company, Meriden, Conn. Table flatware. 2,244,590; June 3.
Von Henke, Edmund J., and A. A. Grothe, assignors to American Electric Fusion Corporation, Chicago, Ill. Electric welding apparatus. 2,244,508; June 3.
Wade, R. M., & Co. (See Kellaher, Gillis C., assignor.)
Wadsworth, Frank L. O., Pittsburgh, Pa., assignor to Ball Brothers Company, Muncie, Ind. Apparatus and method of fabricating articles from molten glass. 2,244,273; June 3.
Wafl-Berger, Inc. (See Erickson, Erick G., assignor.)
Wafl-Berger, Inc. (See Miller, Herchael W., assignor.)
Wagner, Edwin R., et al. (See Bayne, Royal C., assignor.)
Walden, Willie W., Hugo, Okla. Shock absorber. 2,244,274; June 3.
Wales, Ira Leroy, Jr., Brooklyn, N. Y. Screw head cutting cap. 2,244,226; June 3.
Wallace, Fredrick J., Erie, Pa., assignor to Robeson Process Company, New York, N. Y. Tanning preparation and making the same. 2,244,410; June 3.
Wallace, John F., Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Packing structure. 2,244,135; June 3.
Wappler, Frederick C., New York, N. Y. Flexible operating instrument. 2,243,992; June 3.
Ward, Hugh H., Chester, and S. B. Ward, Chester Heights, Pa. Hinge for refrigerating cabinets. 2,244,275; June 3.
Ward, Hugh H., Chester, and S. B. Ward, Chester Heights, Pa. Hinge. 2,244,276; June 3.
Ward, John T. (See Keith, P. C., Ward, and Wilson.)
Ward, Samuel B. (See Ward, Hugh H. and S. B.)
Warner, Archibald A., Royal Oak, Mich., assignor to Universal Products Co. Inc. Universal joint. 2,244,379; June 3.
Warner, Archibald A., Royal Oak, Mich., assignor to Universal Products Co., Inc. Universal joint. 2,244,380; June 3.
Waterbury Farrell Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
Waterman, Waldo D., Santa Monica, Calif. Infinitely variable torque converter. 2,243,928; June 3.
Watson, Frank H., Jonesboro, Ark., assignor to Jenkins Bros., Bridgeport, Conn. Valve stem and check valve therefor. 2,243,930; June 3.
Watson, Glenn W., assignor to Penweld Corporation, Detroit, Mich. Electric cooker. 2,243,993; June 3.
Watson-Stillman Co., The. (See Dinzl, Richard W., assignor.)
Watling, Burns S., assignor to Watling Scale Company, Chicago, Ill. Coin controlled mechanism. 2,243,929; June 3.
Watling Scale Company. (See Watling, Burns S., assignor.)
Webb, Daniel L., Minneapolis, Minn. Lock. 2,244,437; June 3.
Webster, Harry G., Chicago, Ill. Radiant heat absorbing means. 2,243,931; June 3.
Wein, Joseph, Chicago, Ill. Traveling bag. 2,244,091; June 3.
Weitmann, Otto, Johnson City, assignor to International Business Machines Corporation, New York, N. Y. Analyzing mechanism. 2,244,228; June 3.
Wells, Joel C., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,244,227; June 3.
Wenner, Wilhelm, Basel, Switzerland, assignor to Hoffman-La Roche Inc., Nutley, N. J. Solution of medicinal agents and solvent therefor. 2,244,277; June 3.
Wery, Albert G., Sunnyside, and L. A. Peppler, Staten Island, N. Y. Corrugating cylinders. 2,243,932; June 3.
Western Cataphote Corporation. (See Happel, Albert W., assignor.)
Western Electric Company. (See Brown, Raymond W., assignor.)
Western Electric Company. (See Brunner, A. J., and Trebes, assignors.)
Western Electric Company. (See Bugler, Arthur G., assignor.)
Western Electric Company. (See Johansson, Sven G., assignor.)
Western Union Telegraph Company, The. (See Baxter, D. L., and Reis, assignors.)
Westinghouse Electric & Manufacturing Company. (See Hertl, Robert, assignor.)
Westinghouse Electric & Manufacturing Company. (See Whitmore, J. B., and Newcombe, assignors.)
Weston Electrical Instrument Corporation. (See Seitz, Louis J., Jr., assignor.)
Wheeler, Edwin F., assignor of one-half to C. C. Sanford, Baltimore, Md. Automatic preselector means to shift gears. 2,244,092; June 3.
White, Charles H., assignor to Deere & Company, Moline, Ill. Planting mechanism. 2,243,933; June 3.
White, Harry J., Los Angeles, Calif., assignor to Research Corporation, New York, N. Y. Electrode for electric precipitators. 2,244,278; June 3.
White, Harry J., Los Angeles, Calif., assignor to Research Corporation, New York, N. Y. Electrode for electric precipitators. 2,244,279; June 3.
White, Hazel S. (See Turner, H. N., and White.)
Whitehall Patents Corporation. (See Marinsky, D., and Morin, assignors.)
Whitehead Bros. Rubber Co., The. (See Williamson, Frederick B., Jr., assignor.)
Whitmore, James B., Bloomfield, and F. A. Newcombe, Nutley, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Metal treating method and machine. 2,244,035; June 3.
Whitney, William E., Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation. Control assembly. 2,243,934; June 3.
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Producing socketed articles. 2,244,381; June 3.
Wilkerson, John S., Snaresbrook, assignor to Wilkerson Rotary Engine Limited, W. Quilter, London, and J. S. Wilkerson, Snaresbrook, England. Rotating cylinder internal combustion engine. 2,244,438; June 3.
Wilkerson Rotary Engine Limited. (See Wilkerson, John S., assignor.)
Wilkins, Richard A., assignor to Revere Copper and Brass Incorporated, Rome, Ga. Roofing and the like. 2,244,093; June 3.
Wille, Rudolf. (See Föttinger, H., and Wille.)
Williams, James T., Jr. (See Williams, James T. and J. T. Jr., and Riese.)
Williams, James T. and J. T. Jr., and K. F. Riese, assignors to M. L. Williams, Minneapolis, Minn. Electric incense vaporizer. 2,244,180; June 3.
Williams, Lawrence S., Toledo, Ohio, assignor to Toledo Scale Company. Measuring instrument. 2,244,587; June 3.
Williams, Lawrence S., Toledo, Ohio, assignor to Toledo Scale Company. Measuring device. 2,244,588; June 3.
Williams, Margaret L. (See Williams, James T. and J. T. Jr., and Riese.)

Williamson, Frederick B., Jr., New Hope, Pa., assignor to The Whitehead Bros. Rubber Co., Trenton, N. J. Static-proof hose and making same. 2,244,635; June 3.
Williman, Edwin and J. A., Pescadero, Calif. Adjustable desk. 2,244,036; June 3.
Williman, Jean A. (See Williman, Edwin and J. A.)
Williamson, James C., Albany, Ga. Suction head for vacuum cleaners. 2,243,935; June 3.
Wilson, Dustin W. (See Keith, P. C., Ward, and Wilson.)
Wilson-Jones Company. (See Unger, Paul O., assignor.)
Winder, Frank J., Toledo, Ohio. Shaving clipper. 2,244,321; June 3.
Wise, Anthony G. (See Miketta, C. A., and Wise.)
Wissman, Reuben E., assignor to The Minster Machine Company, Minster, Ohio. Sliding key clutch. 2,244,037; June 3.
Witt, Edward, Evanston, Ill. Mop cleaner. 2,244,439; June 3.
Woernle, Bernhard. (See Bischoff, K., and Woernle.)
Wolf, Cecil R. (See Ferris, W. D., Wolf, and Foulds.)
Wolfson, Sidney L. (See Ashton, P. E., and Wolfson.)
Wolverine Supply and Manufacturing Company. (See Ritz, Linus J., assignor.)
Wood, John M. D., Woking, England. Direction of gunfire. 2,244,181; June 3.
Woods, Robert A. (See Bone, H. L., Smith, and Woods.)
Wread, William E., Los Angeles, Calif. Venetian blind. 2,244,094; June 3.
Wurlitzer, Rudolph, Company, The. (See Hokanson, Otto A., assignor.)
Wurzbach, Hugh E., and C. H. Konold, Magna, Utah. Elongated vibratory conveyer. 2,243,936; June 3.
Wyrick, Clayton E., Wyandotte, Mich. Printing machine. 2,244,411; June 3.
Yale & Towne Manufacturing Company, The. (See Quayle, George, assignor.)
Yale & Towne Manufacturing Company, The. (See Schroeder, Charles S., assignor.)
Yanket, Louis, Long Island City, N. Y. Photographic color process. 2,244,589; June 3.
Young, James H., and P. W. Jenkins, assignors to H. H. Robertson Company, Pittsburgh, Pa. Protected metal articles and making the same. 2,244,352; June 3.
Youngs, Arthur M., Trenton, and J. S. Ballantine, Absecon, assignors to Youngs Rubber Corp. of N. J., Trenton, N. J. Apparatus for testing prophylactic articles of thin rubber. 2,244,591; June 3.
Youngs, Arthur M., assignor to Youngs Rubber Corp. of N. J., Trenton, N. J. Printing mechanism. 2,244,592; June 3.
Youngs Rubber Corp. of N. J. (See Youngs, Arthur M., assignor.)
Youngs Rubber Corp. of N. J. (See Youngs, A. M., and Ballantine, assignors.)
Yowell, Olney P. (See Boggs, H. F., and Yowell.)
Zack, Hans J. (See Maxwell, Clyde, assignor.)
Zaiger, Louis, Lynn, Mass. Bumper for automobiles. 2,244,353; June 3.
Zapotosky, John C., Leckrone, Pa. Track rail grounding clamp. 2,244,038; June 3.
Zeiss Ikon Aktiengesellschaft. (See Sauer, Hans, assignor.)
Zercher, John, Kansas City, Mo. Window screen and storm sash fixture. 2,244,136; June 3.
Zoller, Lawrence J., Tulsa, Okla., and F. C. Farnham, Rolla, Mo., assignors to Central Commercial Company. Apparatus for preventing electrolytic destruction. 2,244,322; June 3.
Zuckerman, Adolph M., assignor to R. Hoe & Co., Inc., New York, N. Y. Multicolor printing machine. 2,244,593; June 3.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF JUNE, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adjustment for brakes, Automatic. E. Trachsel. Re. 21,821; June 3.
Car wall, Insulated. C. D. Bonsall. Re. 21,816; June 3.
Control system, Radio traffic. W. S. Halstead. Re. 21,818; June 3.
Flowerpot for water-cultured plants. W. P. Munsell. Re. 21,820; June 3.
Gun, Metal spray. F. O. Albertson. Re. 21,814; June 3.
Meat chopping machine. S. Gronich. Re. 21,817; June 3.
Mower, Power. A. Korsmo and M. Ronning. Re. 21,819; June 3.
Switch. P. S. Bear. Re. 21,815; June 3.

LIST OF PLANT INVENTIONS

Clematis. E. Beckett. 471–2; June 3.
Peach tree. B. H. Haley. 473; June 3.
Sansevieria. W. W. Smith, Jr. 470; June 3.

LIST OF DESIGN INVENTIONS

Agitator, Washing machine. H. B. Barber. 127,576; June 3.
Apron. A. Quinn and M. T. Hasle. 127,645; June 3.
Ash stand, Smoker's. W. C. Panzer. 127,621; June 3.
Ash tray or article of similar nature, Glass. C. T. Heisey. 127,620; June 3.
Automobile. R. Cadwallader. 127,658; June 3.
Automobile. D. A. Wallace. 127,649; June 3.
Blanket or similar article. F. H. Buchholz. 127,615; June 3.
Blind, Line. L. S. Hamer. 127,619; June 3.
Blouse. M. Knebel. 127,643; June 3.
Bootee, Child's. B. Rivkin. 127,604; June 3.
Bottle. B. D. Fuerst. 127,618; June 3.
Bottle. A. I. Lorenzen. 127,585–6; June 3.
Bracket and garment hanger, Combination shelf. T. C. MacArthur. 127,587; June 3.
Brooch. E. M. Gamez. 127,566; June 3.
Brooch. P. Kordish. 127,570; June 3.
Brooch and locket, Combined. G. Verrecchio. 127,648; June 3.
Bumper or similar article, Automobile. G. W. Walker. 127,606; June 3.
Bumper or similar article, Automobile. G. W. Walker. 127,664; June 3.
Camera. A. Drucker. 127,630; June 3.
Cape. A. A. Tucker. 127,647; June 3.
Cigar and cigarette lighter. J. Galter. 127,581; June 3.
Cigarette case or similar article. M. L. Goldberg. 127,582; June 3.
Cigarette container or similar article. D. W. Dunberg. 127,613; June 3.
Clip support and cosmetic containers, Combination. F. R. Prina. 127,608; June 3.
Coat. P. Rosenshein. 127,654; June 3.
Display case, Merchandise. J. Trojan. 127,573; June 3.
Dress. M. Abrams. 127,636; June 3.
Dress. M. Abrams. 127,655–6; June 3.
Dress. E. Breer. 127,629; June 3.
Dress. M. Buccino. 127,637–8; June 3.
Dress. E. Gold. 127,633; June 3.
Dress. L. Katz. 127,653; June 3.
Dress. H. Posner. 127,634; June 3.
Dress. B. Recht. 127,635; June 3.
Dress. R. Richman. 127,646; June 3.
Dress. R. Richman. 127,660; June 3.
Dress. K. Rost. 127,661–2; June 3.
Dress. H. C. Zanft. 127,650–2; June 3.
Dress. H. C. Zanft. 127,665; June 3.
Dress. H. C. Zanft. 127,667; June 3.
Dress ensemble. G. Baker. 127,657; June 3.
Dress ensemble. J. Caplan. 127,639; June 3.
Dress ensemble. M. Geller. 127,632; June 3.
Fabric or similar article, Textile. W. L. Cleverly. 127,616; June 3.
Fabric or similar article, Textile. R. E. Minger. 127,668–9; June 3.
Fabric or similar article, Textile. B. Misen. 127,609; June 3.
Fabric, Textile. G. J. Finnegan. 127,617; June 3.
Fabric, Textile. T. F. Gurry, Jr. 127,568; June 3.
Fabric, Textile. L. Hoyt. 127,640; June 3.
Fabric, Textile. E. M. Patterson. 127,644; June 3.
Fabric, Textile. S. Sherman. 127,571; June 3.
Fabric, Textile. H. R. Terhune. 127,622; June 3.
Fabric, Textile. C. A. Tips. 127,623—5; June 3.
Fabric, Textile. A. Zimmerman. 127,574; June 3.
Fire extinguisher. F. C. Bishop and A. L. Hershey. 127,577; June 3.
Fixture, Lighting. T. A. Walsh. 127,596; June 3.
Flashlight, Wrist. J. L. Wyatt. 127,597; June 3.
Frame or the like, Hand mirror. A. F. Reilly. 127,590; June 3.
Game board. M. R. Andreae. 127,559; June 3.
Game board. P. C. Boalen. 127,560; June 3.
Game board. M. A. Elliotte. 127,565; June 3.
Game board. W. G. Stewart. 127,572; June 3.
Handbag. M. H. Hunziker. 127,601; June 3.
Handle, Burial vault. W. W. Haase. 127,569; June 3.
Handle for velocipede or the like. C. C. Cash. 127,561; June 3.
Ice cream cone jacket. J. Balton. 127,627–8; June 3.
Laboratory unit. J. R. La Vietes. 127,583; June 3.
Lamp, Fluorescent floor. J. F. Livers. 127,584; June 3.
Latch, door. R. T. Anderson. 127,558; June 3.
Mirror and illuminating stand, Combined. M. Langbaum. 127,602; June 3.
Motor unit for operating motion displays. M. S. Dunkelberger. 127,580; June 3.
Nose appliance or similar article. H. C. Vivian. 127,595; June 3.
Pencil, Cellulose bullet. C. Gower. 127,598; June 3.
Pin or similar article. H. M. Dunn. 127,564; June 3.
Pump, Foot. J. O. Reinecke. 127,591; June 3.
Rack for glasses or the like. E. J. Cloutier. 127,563; June 3.
Radio cabinet, phonograph cabinet and desk, Combined. W. Jagosz. 127,659; June 3.
Radio receiving set. D. J. Crowley. 127,579; June 3.
Reflector. A. Shuman. 127,593; June 3.
Shield and filter, Combined hot air. J. R. Barclay. 127,575; June 3.
Shield, Drain. E. Krumsiek and R. Kileen. 127,610; June 3.
Shoe. W. B. Varney. 127,607; June 3.
Shrine, Religious. A. Valliere. 127,626; June 3.
Signal, Hand carried traffic. G. Stewart. 127,594; June 3.
Spectacles, Pair of. N. W. Chappell. 127,599–600; June 3.
Spindle, Crocheting and knitting. H. E. Bishop. 127,614; June 3.
Spoon, Measuring. W. A. Hadfield. 127,611; June 3.
Stocking, Christmas. J. I. Kingson. 127,641–2; June 3.
Suit. R. Vacca. 127,663; June 3.
Suit. H. C. Zanft. 127,666; June 3.
Suit, Play. M. Fellegi. 127,631; June 3.
Support and garment hanger, Combined clothing. L. R. Saylor. 127,592; June 3.
Table, Portable score. E. J. Cloutier. 127,562; June 3.
Teapot. P. V. Gardner. 127,567; June 3.
Tip and holder for broom handles and the like, Combination. B. Nickle. 127,603; June 3.
Vacuum cleaner. L. Guild. 127,612; June 3.
Vase or similar article. C. Romanelli. 127,605; June 3.
Velocipede or the like. C. C. Cash. 127,578; June 3.
Walker or similar article, Baby's collapsible. L. Peltier. 127,589; June 3.
Work bench and tool chest, Combination. F. M. Owen. 127,588; June 3.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF JUNE, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accounting machine and programing means therefor, Cross-adding. J. W. Bryce. 2,244,241; June 3.
Acetylene generator. J. C. Dickens. 2,244,419; June 3.
Acids having a ketonic function, Preparing biliary. R. Charonnat and A. Horeau. 2,244,328; June 3.
Acids of the dioxazine series, Dyestuff-sulphonic. H. Greune and M. Thiele. 2,244,294; June 3.
Adding machine. L. J. Ritz. 2,243,884; June 3.
Agitator-feeder for sticky masses. A. B. Schreiber. 2,244,578; June 3.
Air-conditioning and heating system, Piped. C. J. Thatcher. 2,244,319; June 3.
Air conditioning system. R. B. P. Crawford. 2,244,551; June 3.
Air conditioning system. W. H. Sisson. 2,244,634; June 3.
Aircraft construction. I. H. Driggs. 2,244,357; June 3.
Airplane pilot trainer. E. K. Mills, Jr. 2,243,973; June 3.
Alarm, Fluid-operated. J. G. M. Broden. 2,244,285; June 3.
Alarm mechanism. A. W. Piccardi. 2,244,431; June 3.
Alkyl bromide, Production of an. H. Bender. 2,244,324; June 3.
Alloy. A. G. De Golyer. 2,244,517; June 3.
Alloy for making castings. J. P. Gerhauser. 2,244,146; June 3.
Alloys for aluminum beryllium, Making. H. S. Cooper. 2,244,608; June 3.
Alumina, Extraction of. T. R. Haglund. 2,244,194; June 3.
Amalgamator and concentrator. C. D. Overton. 2,244,429; June 3.
Amino-alcohols, Preparation of. J. Peyer. 2,243,977; June 3.
Amplifier, Superregenerative. K. Rath. 2,244,261; June 3.
Amplifying circuit. S. G. Johansson. 2,243,907; June 3.
Analyzing mechanism. O. Weitmann. 2,244,228; June 3.
Anchor, Airplane mooring. J. C. Scott. 2,243,886; June 3.
Anchor, Masonry. V. A. Hamilton. 2,244,151; June 3.
Anchor, Rail. S. C. Baughn. 2,243,830; June 3.
Antenna with steerable polarization characteristics. P. Kotowski. 2,244,628; June 3.
Antiskid chain. W. S. Rollings. 2,244,218; June 3.
Antiswirl device. A. F. Anderson. 2,244,479; June 3.
Apparatus and process for fluidifying and mixing by means of compressed air. A. Hasselbach. 2,244,195; June 3.
Apparatus for and method of burning fuel to generate steam. M. K. Drewry. 2,244,144; June 3.
Apparatus for and method of gauging and sampling. V. I. and L. G. Hooper. 2,243,847; June 3.
Apparatus for and method of maintaining and working with biological specimens in a germfree controlled environment. J. A. Reyniers. 2,244,082; June 3.
Apparatus for and method of surfacing metals. H. R. Herchenrider. 2,244,536; June 3.
Apparatus for cleaning and conditioning drums. J. R. Alexander. 2,244,040; June 3.
Apparatus for clearing wells. I. C. Looman. 2,244,256; June 3.
Apparatus for collecting and blending lint. A. L. Smith. 2,244,544; June 3.
Apparatus for conditioning thread. J. Gift. 2,243,844; June 3.
Apparatus for destroying vegetation and insects. R. Topel and D. D. Burrows. 2,243,891; June 3.
Apparatus for dressing bonded grinding wheels. C. Tindall. 2,244,478; June 3.
Apparatus for pointing and roll threading bolts. S. D. Johns. 2,244,622; June 3.
Apparatus for producing wrap stripe hosiery. H. G. Dickens. 2,244,331; June 3.
Apparatus for removing curing bags. C. W. Leguillon. 2,244,162; June 3.
Apparatus for shielding a body from fluid currents. A. Huet. 2,243,906; June 3.
Apparatus for strip plating. W. F. Hall. 2,244,423; June 3.
Apparatus for supplying fuel to internal combustion engines. R. W. Hautzenroeder. 2,243,861; June 3.
Apparatus for testing prophylactic articles of thin rubber. A. M. Youngs and J. S. Ballantine. 2,244,591; June 3.
Apparatus for testing spark plugs. F. S. Saunders. 2,244,404; June 3.
Apparatus for the coating of steel or other metallic sheets with tin or other metals. D. H. Davies. 2,244,388; June 3.
Apparatus for the production of broken filament yarns. W. C. Hanse. 2,244,333; June 3.
Apparatus for treating textiles. E. J. Berger and H. W. Matthews. 2,243,997; June 3.
Apparatus for winding. H. Dilchert. 2,244,290; June 3.
Arc quencher. H. C. Graves, Jr. 2,244,061; June 3.
Arrangement for loosening artificial fiber cables in continuous single threads. R. Kern. 2,244,203; June 3.
Attachment for fishing rods, Fulcrum. L. M. Thompson. 2,244,408; June 3.
Automobile cover. B. Rowan. 2,243,981; June 3.
Awning, Shutter. H. Johnson. 2,244,012; June 3.
Azo dyestuffs from para-amino-phenyl-arsonic acid and manufacture of same. E. A. H. Friedheim. 2,244,293; June 3.
Bag: *See*—
Traveling bag.
Bait, Artificial. J. Timm. 2,244,032; June 3.
Baked goods, Manufacture of. J. Freilich and C. N. Frey. 2,243,860; June 3.
Baling press and baling. B. B. Perlberg. 2,244,078; June 3.
Ball, Playing. J. T. Riddell. 2,244,503; June 3.
Bar: *See*—
Tie bar.
Baseball game apparatus. F. H. Kessler. 2,244,204; June 3.
Bearing: *See*—
Pressure-tight bearing. Supporting roller bearing.
Bearing. C. R. Hessler. 2,244,197; June 3.
Bearing. H. A. S. Howarth. 2,243,961; June 3.
Belting, Woven wire. R. J. Guba. 2,244,422; June 3.
Beverage machine. W. F. Brown. 2,243,895; June 3.
Binder control. G. D. Stapel. 2,244,575; June 3.
Binder, Loose-leaf. J. Schade. 2,244,176; June 3.
Bit: *See*—
Roller bit. Well drilling bit.
Blind, Venetian. R. Laborda. 2,243,910; June 3.
Blind, Venetian. W. E. Wread. 2,244,094; June 3.
Block mounting. D. T. Downes. 2,244,489; June 3.
Board: *See*—
Drafting board. Telegraph test board.
Laminated drawing board.
Boat hull construction. D. B. Johnson. 2,244,011; June 3.
Boiler: *See*—
Water boiler.
Bolt or the like, Plaster. R. G. Boelter. 2,243,894; June 3.
Bookbinding construction. F. S. Schade. 2,244,175; June 3.
Boot or shoe. J. M. Lurie. 2,243,969; June 3.
Booth, Spray. A. J. Dalton. 2,243,839; June 3.
Bottleholder and teether, Baby feeding. J. A. Klaus. 2,243,870; June 3.
Box for sintering machine, Wind. R. E. H. Pomeroy. 2,244,372; June 3.
Boxing ring. C. W. Bunting. 2,243,943; June 3.
Brake adjustment, Automatic. R. Saenger. 2,244,084; June 3.
Broadcasting machine. S. E. Baughman. 2,243,996; June 3.
Brusher, Fruit. G. P. Marsden. 2,244,110; June 3.
Buffing wheel. F. H. Thompson. 2,244,582; June 3.
Bulb carrier for photography, Multiple flash. E. Noir. 2,244,114; June 3.
Bumper for automobiles. L. Zalger. 2,244,353; June 3.
Burner: *See*—
Oil burner.
Burner unit for broilers, Ceramic. S. N. Bobo. 2,244,045; June 3.
Button. L. R. Carley. 2,244,287; June 3.
Cabinet accessory. C. Di Bella. 2,243,841; June 3.
Cabinet construction. L. H. Darbyshire. 2,244,488; June 3.
Cake. M. Katzman. 2,243,868; June 3.
Calcium hypochlorite compounds, Recovery of basic. H. Reitz and H. Ehlers. 2,244,477; June 3.
Calling device. F. A. Cosgrove. 2,244,609; June 3.
Cap: *See*—
Screw head cutting cap.
Cane and juice mill, Portable power. L. J. Moss. 2,244,209; June 3.
Caoutchouc products, Procedure for the manufacture of. W. Schrauth and S. Morgenstern. 2,244,263; June 3.

Capacity condenser, Fixed plate variable. G. F. Brett and N. Levin. 2,243,829; June 3.
Capacity device and circuit, Variable. N. M. Rust, J. D. Brailsford, A. L. Oliver, and J. F. Ramsay. 2,243,921; June 3.
Car construction, Articulated rail. A. G. Dean. 2,244,390; June 3.
Carbide composition, Hard cemented. G. J. Comstock. 2,244,053; June 3.
Carbide products, Forming hard cemented. G. J. Comstock. 2,244,052; June 3.
Carbinols of the cyclopentano-polyhydrophenanthrene series and producing the same, Tertiary. A. Serini and L. Strassberger. 2,243,887; June 3.
Carbon black and vinyl resins, Liquid dispersion of. C. W. Patton. 2,244,020; June 3.
Carburetor. J. R. Emerson. 2,244,519; June 3.
Carriage, Baby. S. Hendrickson. 2,244,154; June 3.
Carriage, Folding baby. S. Hendrickson and S. A. Fred. 2,244,155; June 3.
Carriage return mechanism. S. P. Brady, Jr. 2,244,443; June 3.
Cartridge, Percolator. R. Ferrante. 2,244,520; June 3.
Casing pump for oil wells and the like. H. D. Collins. 2,244,051; June 3.
Casting machine. D. Doyen. 2,244,490; June 3.
Casting machine, Plastic. N. Lester. 2,243,968; June 3.
Catalysts, Making. G. Roberts, Jr. 2,244,573; June 3.
Catalytic process, Contact. J. A. Crowley, Jr. 2,244,612; June 3.
Catalytic reactions, Carrying out. J. C. Munday and E. W. Nicholson. 2,244,018; June 3.
Cathode assembly, Thermionic. E. R. Ewald. 2,244,358; June 3.
Cathode ray tube. W. Ehrenberg. 2,244,245; June 3.
Cathode sleeve. K. G. Bucklin. 2,244,356; June 3.
Cellulosic structure, apparatus, and producing same. J.-M. Alibert. 2,244,281; June 3.
Cementing tool. H. F. Boggs and O. P. Yowell. 2,244,354; June 3.
Centrifugal pump, Self-priming. H. E. La Bour. 2,244,397; June 3.
Chain: *See*—
Antiskid chain. Cutter chain.
Chair: *See*—
Disappearing chair. Kitchen chair.
Folding chair. Platform rocking chair.
Chair and walker, Child's. J. J. Brazell. 2,244,096; June 3.
Chair, canopy, and sunshade, Combination folding. K. Singewald. 2,243,984; June 3.
Chair for aerial tramways. J. M. Curran and G. H. Trout. 2,244,650; June 3.
Chicken, Dividing a. H. C. Gehlke. 2,243,951; June 3.
Chip spreader. C. B. Shaw. 2,243,983; June 3.
Chocolate and preparing the same, High melting point. F. H. Penn. 2,244,569; June 3.
Chuck, Tap driving. F. A. Dowler. 2,244,143; June 3.
Circuit: *See*—
Amplifying circuit. Interrupter circuit.
Electric circuit.
Circuit arrangement for television receivers. R. Andrieu and H. Brändle. 2,244,230; June 3.
Circuit controller. H. L. Bone, W. E. Smith, and R. A. Woods. 2,244,326; June 3.
Circuit for cathode ray oscillograph, Sweep. E. T. Burton. 2,244,513; June 3.
Circuit purifier, Refrigerating. D. F. Fox. 2,243,949; June 3.
Circuits, Noise suppressor. F. T. Budelman. 2,244,639; June 3.
Circuits, Transmission. C. D. Colchester. 2,244,001; June 3.
Clamp: *See*—
Grounding clamp.
Clamp. F. N. Fletcher. 2,244,533; June 3.
Clamp. E. Sampson. 2,244,219; June 3.
Cleaner: *See*—
Meter cleaner. Suction cleaner.
Mop cleaner. Vacuum cleaner.
Radiator water cleaner.
Cleaning and purifying device, Oil. I. F. Kingston. 2,244,626; June 3.
Clipper, Shaving. F. J. Winder. 2,244,321; June 3.
Clothes display hanger. L. C. Britner. 2,244,355; June 3.
Clutch: *See*—
Sliding keg clutch.
Clutch. K. Miller. 2,244,169; June 3.
Clutch plate. W. V. Thelander. 2,244,134; June 3.
Coat. V. Freda and L. Sunderland. 2,244,454; June 3.
Coating and method of making the same. C. Ellis. 2,244,449; June 3.
Coating apparatus. G. Goebel and H. A. Rau. 2,244,651; June 3.
Coil, Electromagnetic. A. D. Blumlein. 2,243,893; June 3.
Coils, Method of and apparatus for winding electric. A. G. Bugler. 2,243,837; June 3.
Coin and slug separator. W. A. Tratsch and W. Patzer. 2,243,926; June 3.
Coin controlled machine. B. S. Watling. 2,243,929; June 3.
Coin-controlled setting mechanism for energy dispensing devices. J. Mettler. 2,244,370; June 3.
Coin packing tube. M. L. Slootsky. 2,244,222; June 3.
Collapsible tube. P. R. Fechheimer. 2,244,059; June 3.
Collapsible tube. P. E. Landrus. 2,244,071; June 3.
Collecting system for radio receivers, Signal. W. A. Schaper. 2,244,177; June 3.
Colloidal solutions of inorganic oxides. P. G. Bird. 2,244,325; June 3.
Color separation means, Optical. J. J. Miratsky. 2,244,498; June 3.
Coloring implement. M. G. Horn. 2,244,336; June 3.
Combustion apparatus. M. De Lin. 2,244,055; June 3.
Composing machine. C. A. Macomic. 2,243,875; June 3.
Compression joint tool. D. L. Baxter and J. P. Reis. 2,244,482; June 3.
Compressor mechanism for filing cabinets and the like. E. R. Houston, J. F. Dachlet, and J. L. Hauser. 2,243,904; June 3.
Compressor, Rotary. A. Lysholm. 2,243,874; June 3.
Computing device for menstruation cycles. J. Cwiekalo. 2,244,514; June 3.
Condenser: *See*—
Capacity condenser.
Condenser with metalized dielectric. E. Traub. 2,244,090; June 3.
Conductors, Making radio shielded. M. F. Peters and R. H. Stone. 2,243,881; June 3.
Conduit, Electric outlet. P. M. Thorn, A. Parlini, and H. Recker. 2,243,990; June 3.
Connector for taps, pipes, and the like. E. Aghnides. 2,244,280; June 3.
Constant level valve. C. M. Stroud. 2,244,088; June 3.
Contact chatter indicator. L. E. Krebs. 2,244,338; June 3.
Container: *See*—
Electromagnetic container. Fumigant container.
Containers, Making liquid-tight. R. M. Bergstein. 2,244,282; June 3.
Control. C. E. Mason and C. J. Brown. 2,244,564; June 3.
Control apparatus for cotton gins. E. H. Brooks. 2,244,529; June 3.
Control assembly. W. E. Whitney. 2,243,934; June 3.
Control for aircraft, Switch. H. R. Hughes, R. W. Palmer, and W. L. Lewis. 2,244,065; June 3.
Control for compensator for felt tension device for papermaking machines, Automatic electric. W. J. Trempe. 2,244,033; June 3.
Control system, Circuit breaker. W. M. Scott, Jr. 2,244,086; June 3.
Control system, Combustion. R. R. Donaldson. 2,243,944; June 3.
Control system for hydraulic presses. R. W. Dinzl. 2,244,420; June 3.
Control system, Zone temperature. J. Turner. 2,244,584; June 3.
Controlling means for automotive vehicles, Combined brake and accelerator. L. Polonec and A. K. Andersen. 2,244,116; June 3.
Converter, Catalytic. D. B. Banks. 2,244,599; June 3.
Conveyer, Elongated vibratory. H. E. Wurzbach and C. H. Konold. 2,243,936; June 3.
Conveyer for loose material. W. S. Blauvelt. 2,244,442; June 3.
Conveyer for pasteurizers. G. L. N. Meyer. 2,243,879; June 3.
Cooker, Electric. G. W. Watson. 2,243,993; June 3.
Cooker, Food. E. G. Erickson. 2,244,145; June 3.
Cooker, Food. H. W. Miller. 2,244,168; June 3.
Cooking, Method and apparatus for. T. H., I. B., and H. J. Guyon. 2,244,193; June 3.
Copying machine, Profile. H. Ehrenberg. 2,244,190; June 3.
Core, Collapsible. H. Hayes. 2,244,107; June 3.
Corrosion, Method of inhibiting. J. B. Castner. 2,243,853; June 3.
Couch, Twin unit. I. M. Pink and V. J. Bergstrom. 2,243,882; June 3.
Counterbalancing device. B. A. Ball. 2,243,940; June 3.
Coupler, Pipe. G. C. Kellaher. 2,244,396; June 3.
Coupling: *See*—
Drive shaft coupling. Sucker rod coupling.
Flexible driving coupling.
Coupling device for radio purposes. W. A. Schaper. 2,244,025; June 3.
Coupling device, Locomotive. R. M. Dilworth. 2,244,002; June 3.
Cover: *See*—
Automobile cover.
Curler, Hair. P. Tresenberg. 2,243,927; June 3.
Current inserting device, Direct. A. D. Blumlein. 2,244,240; June 3.
Current-tapping cap-plug fitting and the like attachment devices. J. Petry. 2,244,527; June 3.
Curtain, Bamboo. D. Kwon. 2,244,300; June 3.
Cuts from photographic plates, Molding printing. J. T. Cochran. 2,244,187; June 3.
Cutter: *See*—
Rotary cutter.
Cutter chain. M. P. Holmes. 2,244,198–9; June 3.
Cyanamids and their polymers, Preparing mono-substituted. W. P. Ericks. 2,244,421; June 3.
Cylinder casting or cylinder block for steam engines and the like. T. J. Hoy. 2,243,864; June 3.
Cylinders, Corrugating. A. G. Wery and L. A. Peppler. 2,243,932; June 3.
Decorative light. P. C. Dittman and A. Stechbart. 2,244,101; June 3.
Demountable wheel. F. Pignani. 2,244,570; June 3.

Developing machine. C. A. Miketta and A. G. Wise. 2,244,170; June 3.
Device for binding the edges of sheet material and the like. H. K. Smeltzly. 2,244,268; June 3.
Device for supervising the pressure in fluid filled cables. L. Emanuell. 2,244,392; June 3.
Device for washing dishes and the like. J. T. P. Le Gore. 2,244,301; June 3.
Device to prevent the refilling of bottles. W. L. Kelman. 2,244,460; June 3.
Desk, Adjustable. E. and J. A. Williman. 2,244,036; June 3.
Device for indicating springiness of strands. R. L. Fearn. 2,243,842; June 3.
Device for removing investments from sectional dental flasks. E. J. Franwick. 2,243,950; June 3.
Device for supplying food to fish or land animals. C. H. Cupples. 2,243,896; June 3.
Diamine, Manufacture of N N-dicyclohexyl-paraphenylene. P. M. Ruedrich and L. H. Sharp. 2,244,174; June 3.
Diaphragm faceplate arrangement. A. Christianson and P. Parke. 2,243,854; June 3.
Die. R. W. Freeman. 2,244,613; June 3.
Die casting machine. A. J. Brunner and B. M. A. Trebes. 2,243,835; June 3.
Die casting machine. D. Marinsky and L. H. Morin. 2,244,425; June 3.
Dielectric agents and making same. E. C. Britton and G. H. Coleman. 2,244,284; June 3.
Dielectric composition. F. M. Clark. 2,244,387; June 3.
Differential pressure valve. L. W. Atchison. 2,244,382; June 3.
Dilator, Teat. B. D. Smith. 2,244,027; June 3.
Dimerization. R. A. Jacobson. 2,244,645; June 3.
Dimethyl alphta. alpha'-dimethyldihydromuconate. J. W. C. Crawford. 2,244,487; June 3.
Dipper. P. V. Larsen. 2,243,965; June 3.
Direct air cooled engine. F. Amiot. 2,244,594; June 3.
Disappearing chair. E. E. Elder. 2,244,531; June 3.
Disks, Method and means for spreading. E. R. Couden. 2,244,611; June 3.
Display device. H. V. Longley. 2,244,206; June 3.
Display stand. H. Legler. 2,243,912; June 3.
Distributor, Planter and fertilizer. M. V. Summers. 2,244,646; June 3.
Division board adjustment for linter gins. G. C. Morgan. 2,244,542; June 3.
Door: *See*—
Garage door. Vertical suspension door.
Door check and holding device. A. Larson. 2,244,254; June 3.
Door operator, Power. C. J. Martin and J. F. Maska. 2,243,914; June 3.
Double chain hook. H. E. Rawlins. 2,244,572; June 3.
Draft attachment for railway cars. G. T. Johnson. 2,244,200; June 3.
Draft elements in cigars, Method and apparatus for inserting. S. Clausen. 2,244,142; June 3.
Drafting board. H. L. De Lisle. 2,244,391; June 3.
Drafting machine. H. G. Cunningham. 2,243,838; June 3.
Drain device for liquid circulating systems, Automatic. C. A. Shope. 2,244,266; June 3.
Drawing board, Laminated. W. W. Blakeslee. 2,244,549; June 3.
Drill: *See*—
Radial drill.
Drill bit for boring wells. L. W. Blau. 2,243,998; June 3.
Drill steel centralizer. W. A. Smith, Jr. 2,244,127; June 3.
Drilling of deep wells. G. L. Ratcliffe. 2,244,476; June 3.
Drive mechanism for tuning means. E. Paschke. 2,244,019; June 3.
Drive shaft coupling, Flexible. C. F. Hotchkiss, Jr. 2,243,960; June 3.
Dry cell, Leakproof. H. R. C. Anthony. 2,243,938; June 3.
Dry cells, Manufacturing. P. A. Marsal. 2,244,016; June 3.
Dyes, Disazo. S. S. Rossander and D. E. Kvalnes. 2,244,340; June 3.
Dyes for cellulose esters and ethers, Disazo. D. E. Kvalnes. 2,244,339; June 3.
Dyestuffs of the anthraquinone series, Vat. H. Schlichenmaier, L. W. Berlin, and E. Berthold. 2,244,655; June 3.
Economizer and control, Divided. L. J. Marshall. 2,243,913; June 3.
Egg composition. M. Katzman. 2,243,867; June 3.
Electric circuit. W. A. Knoop. 2,244,013; June 3.
Electric contact. F. Gengenbach. 2,244,455; June 3.
Electric furnace. G. Slayter, F. W. Atkinson, and E. Fletcher. 2,244,267; June 3.
Electric heater. P. E. Ashton and S. L. Wolfson. 2,244,234; June 3.
Electric motor. A. Schonwald. 2,244,406; June 3.
Electric transmission network. J. Plebanski. 2,244,259; June 3.
Electric water heater. J. Novak. 2,244,172; June 3.
Electrical apparatus. J. N. Hiensch and E. M. H. Lips. 2,244,009; June 3.
Electrical contact. C. Tietig. 2,244,436; June 3.
Electrical filter. N. M. Rust and E. F. Goodenough. 2,244,022; June 3.
Electrical system, High-tension. A. Bouwers. 2,243,941; June 3.
Electrode for electric precipitators. H. J. White. 2,244,278; June 3.
Electrode for electric precipitators. H. J. White. 2,244,279; June 3.
Electrode for gaseous discharge tubes. J. Kurtz. 2,244,070; June 3.
Electrode holder. O. L. Callahan. 2,244,286; June 3.
Electrolytic destruction, Preventing. L. J. Zoller and F. C. Farnham. 2,244,322; June 3.
Electromagnetic container. F. J. Moravecky. 2,244,371; June 3.
Electron discharge device. H. A. Iams. 2,244,365; June 3.
Electron discharge device. A. M. Skellett. 2,244,318; June 3.
Electron discharge tube. D. W. Power. 2,244,260; June 3.
Electron tube, Gas filled. A. Günther schulze, 2,243,902; June 3.
Electroplating apparatus. W. A. Hesse. 2,244,620; June 3.
Enamel, Ferrous metal. J. L. Gallup. 2,244,360; June 3.
Engine: *See*—
Direct air cooled engine. Internal combustion engine.
Fluid engine.
Engine starter. H. A. Schauer. 2,244,220; June 3.
Engine starter. Y. Sekella. 2,244,265; June 3.
Engines, Scavenging of two-cycle internal combustion. H. Föttinger and R. Wille. 2,244,453; June 3.
Ester, Stabilizing cellulose. M. A. Heath and F. Schulze. 2,244,295; June 3.
Esters of methacrylic acid, Preparing. G. F. D'Alelio. 2,244,389; June 3.
Esters, Preparation of alkyl. H. G. Vesterdal. 2,243,991; June 3.
Ethers, Unsaturated. C. L. Moyle and G. H. Coleman. 2,244,308–9; June 3.
Evaporator. B. C. Johnson and E. C. Franco-Ferreira. 2,244,010; June 3.
Evaporator plate for refrigerated cabinets. W. Raskin. 2,244,475; June 3.
Exercising device. R. H. Burgess. 2,241,444; June 3.
Exercising device. J. G. Venables. 2,244,351; June 3.
Expansion and contraction device. G. A. Ridgeway. 2,244,315; June 3.
Exterminator, Fly. H. L. Evans. 2,244,191; June 3.
Extractor: *See*—
Fishhook extractor.
Eyeshade, Sanitary. R. C. Seeley. 2,243,982; June 3.
Fastener: *See*—
Paper fastener. Sliding door fastener.
Shutter fastener.
Fastener for skid chains. H. A. Banner. 2,244,600; June 3.
Fasteners, Finishing metal. F. B. Smithe and A. Novick. 2,244,223; June 3.
Fastening devices, Making. W. H. Miller. 2,244,427; June 3.
Feed mechanism. A. T. Cassiere. 2,244,050; June 3.
Feed system for internal combustion engines, Fuel mixture. R. Pateras Pescara. 2,244,214; June 3.
Feed table for roughage mills and the like, Adjustable. J. Holland-Letz. 2,244,364; June 3.
Feeding mechanism, Intestine. F. G. Leavenworth. 2,244,560; June 3.
Fiber articles, such as mats and the like. A. C. Fischer. 2,243,857; June 3.
File drawer, Vertical. L. Lombardini. 2,244,561; June 3.
Filler and draft gear stop, Bolster center. W. F. Dierrichson. 2,244,518; June 3.
Film registration, Cinematographic. W. E. Pohl. 2,244,313; June 3.
Filter: *See*—
Electrical filter.
Filter. H. M. Danner. 2,244,188; June 3.
Filtration. C. T. Anné, L. V. Phillips, and W. Schwarz. 2,244,412; June 3.
Finder for photographic purposes. H. Sauer. 2,244,505; June 3.
Fishhook extractor. O. J. Verrett. 2,244,270; June 3.
Fitting, Return bend. C. B. Harbison. 2,244,618; June 3.
Fixture, Lighting. M. E. Kanter. 2,244,624; June 3.
Flashlight holder. F. J. Colby. 2,244,288; June 3.
Flatware, Table. M. C. Vonderheid. 2,244,590; June 3.
Flexible driving coupling. F. C. Fulcher. 2,243,900; June 3.
Fluorescent material. E. Krautz. 2,244,558; June 3.
Fluid current separator. G. H. Fraser. 2,243,859; June 3.
Fluid engine. C. W. H. D. Bennet. 2,244,418; June 3.
Fluid meter. W. S. Clarkson. 2,244,329; June 3.
Fluid meter. J. J. Delaney. 2,244,552; June 3.
Folder. H. H. Mitchell. 2,243,974; June 3.
Folding chair. J. Kovats. 2,244,399; June 3.
Folding seat. A. C. Benoit. 2,244,605; June 3.
Form, Hand. M. H. Larson. 2,243,966; June 3.
Frame: *See*—
Stretching frame.
Fuel burning apparatus, Fluid. M. A. Powers. 2,244,314; June 3.

Fuel for compression ignition engines. E. M. Marks. 2,244,496; June 3.
Fulcrum, Brake beam. G. M. Armstrong. 2,244,232; June 3.
Fumigant container. G. E. Lynn and F. W. Fletcher. 2,244,302; June 3.
Furnace. *See*—
Electric furnace.
Furnace. M. C. Richardson. 2,244,173; June 3.
Furnace appliance. N. M. Lower. 2,243,970; June 3.
Furniture, Article of. A. A. Rainville. 2,244,474; June 3.
Fuse holder. C. H. Fenske, Jr., L. E. Massie, and F. A. Harrington. 2,244,532; June 3.
Fuse light. B. F. Bishop. 2,244,044; June 3.
Game. L. S. Ennis. 2,244,553; June 3.
Game. R. R. MacKinnon. 2,244,015; June 3.
Garage door. C. E. Allen. 2,244,182; June 3.
Garage door. W. D. Ferrus, C. R. Wolf, and N. M. Foulds. 2,244,642; June 3.
Garment. H. N. Turner and H. S. White. 2,244,583; June 3.
Garment stay. W. L. McGee. 2,244,167; June 3.
Gas analysis apparatus. A. B. Costello. 2,244,610; June 3.
Gas heater, Automatic. W. A. Graham. 2,243,953; June 3.
Gas indicator, Combustible. M. G. Jacobson and R. E. Hartline. 2,244,366; June 3.
Gas mixing apparatus. G. W. McKee. 2,244,111; June 3.
Gasket. A. G. Davis. 2,244,640; June 3.
Gauge. C. N. Sugden and S. Kahn. 2,244,350; June 3.
Gear for reversible internal combustion engines, Maneuvering. G. E. Ramstad. 2,243,883; June 3.
Gear for steam locomotives and the like, Power reverse. T. J. Hoy. 2,243,865; June 3.
Gears, Automatic preselector means to shift. E. F. Wheeler. 2,244,092; June 3.
Generator: *See*—
Acetylene generator. Steam generator.
Geologic strata below the surface of the earth, Method of and means for analyzing and determining the. R. F. Beers. 2,244,484; June 3.
Gin, Huller. T. S. Grimes. 2,244,534; June 3.
Gland, Packing. E. Erni. 2,244,450; June 3.
Glass and producing the same, Heat-absorbing. W. O. Lytle. 2,244,468; June 3.
Glass, Apparatus and method of fabricating articles from molten. F. L. O. Wadsworth. 2,244,273; June 3.
Glassware, Method of and apparatus for annealing. D. G. Merrill. 2,244,112; June 3.
Glazed unit, Multiple. O. D. Englehart. 2,244,491; June 3.
Governor and generator for wind charging devices. F. A. Mahaney. 2,244,494; June 3.
Grate, Thermostatically controlled. J. K. Dukas. 2,244,189; June 3.
Grinder. J. E. Venable. 2,244,586; June 3.
Grinding device, especially for grinding of crankshafts, Portable. L. K. Tilander. 2,243,925; June 3.
Gripper for printing presses, Work-positioning. A. Shipp. 2,243,922; June 3.
Grounding clamp, Track rail. J. C. Zapotosky. 2,244,038; June 3.
Guard device for pressure responsive instruments. F. H. Hopkins. 2,244,335; June 3.
Guard for screen door hooks. E. S. Hall. 2,244,361; June 3.
Guiding means, especially in machines for delivering rivets. F. Amiot. 2,244,595; June 3.
Gunfire, Direction of. J. M. D. Wood. 2,244,181; June 3.
Gyroscopic apparatus. K. Bauer. 2,244,603; June 3.
Hair dressing device. C. Kay. 2,244,068; June 3.
Hammer, Mill. A. B. Schreiber. 2,244,577; June 3.
Hand protector. R. N. Carson and T. C. O'Connell. 2,244,445; June 3.
Handle: *See*—
Supplementary handle.
Handling implement. W. C. Ledbetter. 2,244,072; June 3.
Hanger: *See*—
Clothes display hanger. Shoe hanger.
Hardware, Drapery. P. B. Stratton. 2,244,129; June 3.
Head for vacuum cleaners, Suction. J. C. Williamson. 2,243,935; June 3.
Hearing aid, Battery. L. G. Briggs. 2,243,942; June 3.
Heat absorbing means, Radiant. H. G. Webster. 2,243,931; June 3.
Heater: *See*—
Electric heater. Gas heater.
Electric water heater.
Heater. M. L. Mueller. 2,243,916; June 3.
Heating and cooling system for engine lubricating oil. L. F. Fedders. 2,244,641; June 3.
Heating, Method and system of. G. J. Belknap. 2,244,237; June 3.
Hinge. H. H. and S. B. Ward. 2,244,276; June 3.
Hinge construction, Sheet metal. R. C. Barlow. 2,244,042; June 3.
Hinge for refrigerating cabinets. H. H. and S. B. Ward. 2,244,275; June 3.
Hobbyhorse. W. H. Stover. 2,244,028; June 3.
Hoist, Dump truck. E. M. Lawton. 2,244,559; June 3.
Hoist, Electric. C. S. Schroeder. 2,244,221; June 3.
Hoist, Scaffold. H. J. Riblet. 2,244,374; June 3.
Holder: *See*—
Electrode holder. Fuse holder.
Flashlight holder. Valve cap holder.
Holder for impact tools. A. C. Davis. 2,244,515; June 3.
Holder-up for riveting. K. Butter. 2,244,047; June 3.
Hook: *See*—
Double chain hook. Trap hook.
Hose and making the same, Staticproof. F. B. Williamson, Jr. 2,244,635; June 3.
Hosiery. A. O. Hanisch. 2,244,153; June 3.
Housing for electrical devices, Enclosing. H. Hill. 2,244,395; June 3.
Humidifier. C. Maxwell. 2,244,017; June 3.
Humidifier. F. N. Smith and H. W. Lamb. 2,244,126; June 3.
Hydraulic intermediate pitch limit stop. F. W. Caldwell and E. Martin. 2,243,852; June 3.
Hydraulic transmission. F. Ajero. 2,244,509; June 3.
Hydrocarbons, Catalytic production of. W. Herbert. 2,244,196; June 3.
Hydrocarbons, Reaction of. M. M. Holm, E. H. Oakley, and R. L. Humphreys. 2,244,556; June 3.
Hydrocarbons, Synthesizing liquid. P. C. Keith, Jr., J. T. Ward, and D. W. Wilson. 2,243,869; June 3.
Hydrocarbons, Treatment of. H. V. Atwell. 2,244,636; June 3.
Ice cube mechanism. D. H. Reeves. 2,244,081; June 3.
Illuminating device. V. B. Icove and M. K. Kaplan. 2,244,298; June 3.
Incinerator for boats or the like, Trash. J. Schadek. 2,244,024; June 3.
Incubator and the like, Baby. C. C. Chapple. 2,243,999; June 3.
Indicating and recording apparatus. K. Meer. 2,244,653; June 3.
Indicating mechanism for weighing scales. E. E. Hess. 2,244,523; June 3.
Indicator: *See*—
Contact clatter indicator. Plug valve indicator.
Gas indicator. Vehicle direction indicator.
Multiple velocity indicator.
Ink, Printing. D. R. Erickson and P. J. Thoma. 2,244,103; June 3.
Insulation, Refrigeration. A. L. Gustin, Jr., and J. O. Brelsford. 2,244,005; June 3.
Intensifier, Rotary hydraulic. R. W. Reader. 2,243,978; June 3.
Internal combustion engine. A. K. Antonsen and H. Davids. 2,244,323; June 3.
Internal combustion engine. A. Hofstetter. 2,243,846; June 3.
Internal combustion engine. N. M. Jones. 2,244,623; June 3.
Internal combustion engine, Rotating cylinder. J. S. Wilkerson. 2,244,438; June 3.
Interrupter circuit. D. O. Crofford. 2,244,058; June 3.
Iron or steel, Production of aluminum-coated. R. S. Reynolds. 2,243,979; June 3.
Jack: *See*—
Pump jack.
Jar closure. W. M. Robertson. 2,244,316; June 3.
Jetty. E. C. Ottinger. 2,244,433; June 3.
Joint: *See*—
Universal joint.
Joint and structure embodying the same G. R. Meyercord. 2,244,343; June 3.
Joint for drilling equipment. J. B. Shemeley. 2,244,124; June 3.
Key and permutation operated lock. W. E. Hamilton. 2,244,152; June 3.
Keys, Solder tipping. G. A. and G. V. Bardet. 2,244,236; June 3.
Keyboard for musical instruments. S. Tofé Bonilla. 2,243,834; June 3.
Kitchen chair. H. K. Jett and H. L. Showalter. 2,244,459; June 3.
Knife, Putty. R. W. Oliver. 2,244,000; June 3.
Knitting machine and method. R. C. Amidon. 2,243,850; June 3.
Knob and knob locking means. F. E. Best. 2,244,238; June 3.
Label attaching machine. H. F. Caldwell. 2,244,140; June 3.
Lamp filament, Electric. A. Kratky. 2,243,849; June 3.
Latch. E. W. North and R. A. Stone. 2,244,344; June 3.
Latching mechanism, Hose reel. H. E. Marvel. 2,244,541; June 3.
Leg and back rest, Combination. C. H. Archer. 2,244,440; June 3.
Lehr and method of treating glassware therein. D. G. Merrill. 2,244,113; June 3.
Lever mechanism for reciprocating valve stems, Actuating. J. R. Cole. 2,244,100; June 3.
Life preserver. S. Kronhaus. 2,244,163; June 3.
Lifting apparatus. F. Pignani and J. Ferretti. 2,244,571; June 3.
Light: *See*—
Decorative light. Fuse light.
Light for airplanes, Landing. W. G. Grimes. 2,244,535; June 3.

Lighter. G. P. Schmitt and D. A. Richards. 2,243,924; June 3.
Lighter, Cigar and cigarette. E. S. Mansfield. 2,244,563; June 3.
Lighter, Cigarette. R. C. Springborn. 2,244,269; June 3.
Lighter, Electric cigar. P. E. Ashton and S. L. Wolfson. 2,244,233; June 3.
Lighting and dispensing device, Cigarette. J. J. Shively. 2,243,889; June 3.
Line feed for teletypewriters, Reversible. W. B. Martin and G. F. Townsend. 2,244,074; June 3.
Linkage. A. Better. 2,244,637; June 3.
Liquid separator, Automatic. W. Stone. 2,243,988; June 3.
Liquids, Art of aerating viscous. H. W. Greenup and N. Johnston. 2,244,616; June 3.
Lock: *See*—
Motor vehicle door lock.
Lock. D. L. Webb. 2,244,437; June 3.
Lock for studio couches, Back. H. W. Neunherz. 2,244,470; June 3.
Lock-nut construction. A. W. Miller. 2,244,400; June 3.
Locking and aligning means for machines. A. T. Sebek. 2,244,123; June 3.
Locking bodies to supports, Means for. A. W. Happel. 2,244,456; June 3.
Locking device. H. Richter. 2,244,083; June 3.
Loom. A. T. Schneidewendt. 2,244,085; June 3.
Lubricating system. W. F. Strehlow. 2,244,225; June 3.
Lubricating system for rotary vane pumps. F. C. Fulcher. 2,243,898; June 3.
Lure, Fish. E. B. Turner. 2,244,378; June 3.
Machine for aligning glass block sections and pressing them together. H. L. Eastus. 2,244,291; June 3.
Machine for boarding fabric articles. R. R. Nydegger. 2,244,472; June 3.
Machine for cleaning animal intestines. C. H. Stridh. 2,244,179; June 3.
Machine for making separable fastener elements. E. J. Conlin. 2,244,243; June 3.
Machine for producing expanded metal. W. M. McNeil and B. T. Ballard. 2,244,305; June 3.
Machine for shaping uppers over lasts. B. Jorgensen. 2,244,067; June 3.
Machine for the manufacture of box parts. H. and G. C. Paxton and G. E. Stilwell. 2,243,919; June 3.
Machining parts, Means and method for. A. I. Dunn. 2,243,946; June 3.
Magnetizing apparatus. R. W. Brown. 2,243,836; June 3.
Mattress. F. Murphy. 2,244,310; June 3.
Mattress, Health. J. Simons. 2,244,435; June 3.
Mattress or cushion and making the same. H. H. Seavert. 2,244,543; June 3.
Measuring and calculating device, Electrical. L. Martin. 2,244,369; June 3.
Measuring device. L. S. Williams. 2,244,588; June 3.
Measuring instrument. P. Storm. 2,244,377; June 3.
Measuring instrument. L. S. Williams. 2,244,587; June 3.
Meat shaping and pressing device. C. T. Lenzke. 2,244,540; June 3.
Mechanism for driving the worker rolls of wool cards. E. Clark. 2,244,446; June 3.
Mechanism including an intermittently moved structure. E. J. Kingsbury, G. Swahnberg, and B. N. Foster. 2,244,463; June 3.
Medicinal agents and solvent therefor, Solution of. W. Wenner. 2,244,277; June 3.
Metal articles and making the same, Protected. J. H. Young and P. W. Jenkins. 2,244,352; June 3.
Metal articles, Making composite. R. E. Kinkead. 2,244,367; June 3.
Metal blanks, Drawing. T. F. Stacy. 2,243,986; June 3.
Metal treating method and machine. J. B. Whitmore and F. A. Newcombe. 2,244,035; June 3.
Meter: *See*—
Fluid meter.
Meter cleaner. L. C. Eldridge. 2,244,292; June 3.
Methane, Partially oxidizing. P. Nashan. 2,244,210; June 3.
Method and apparatus for regulating the temperature of fluids. A. H. Brundage. 2,244,327; June 3.
Method of and apparatus for manufacturing pottery ware. W. J. Miller. 2,243,880; June 3.
Methyl bromide, Dispensing. N. A. Maclean. 2,244,341; June 3.
Methyl bromide, Manufacture of. J. E. Livak and A. T. Knutson. 2,244,629; June 3.
Mill: *See*—
Cane and juice mill. Rolling mill.
Molded product and making the same, Multicolored. L. Nast. 2,244,565; June 3.
Molding compositions, Preparation of formaldehyde-urea. M. H. Bigelow. 2,244,283; June 3.
Mop cleaner. E. Witt. 2,244,439; June 3.
Motor: *See*—
Electric motor. Nutating dish motor.
Motor. A. A. Martin. 2,243,878; June 3.
Motor control system. H. E. Hartig. 2,244,362; June 3.
Motor operated valve, Modulating pressure. J. L. Harris. 2,244,555; June 3.
Motor vehicle door lock. A. M. Arrizabala. 2,244,441; June 3.
Mounting: *See*—
Block mounting. Tool mounting.
Ophthalmic mounting.
Mounting for dental bracket table, Camera. W. F. Upton. 2,244,409; June 3.
Mounting for lift truck platforms. G. Quayle. 2,244,118; June 3.
Muffler. L. L. Haas. 2,244,393; June 3.
Multiple velocity indicator. A. G. Siefker. 2,244,125; June 3.
Musical instrument. H. G. Finney and H. Ruckner. 2,244,332; June 3.
Musical stand. A. G. Jacobson. 2,244,160; June 3.
Mute. T. M. Koeder. 2,244,205; June 3.
Napkin, Folded. B. H. Metternich. 2,244,630; June 3.
Notebook. C. L. Esterly. 2,244,246; June 3.
Nozzle. C. R. Alden. 2,243,995; June 3.
Nozzle. D. P. Hunter. 2,244,159; June 3.
Nozzle, Spray. R. W. Hautzenroeder. 2,244,394; June 3.
Nut structure and the manufacture thereof, Anchor. C. A. Swanstrom. 2,243,923; June 3.
Nutating disk motor. E. M. Krueger. 2,244,539; June 3.
o,o'-dihydroxydiphenyl, Producing. W. Deseke. 2,244,244; June 3.
Oil burner. A. I. Senior and M. McNabb. 2,244,178; June 3.
Oil burner. T. J. Stokes. 2,243,987; June 3.
Oil in a centrifugal separator, Purification of. P. van Riel. 2,244,034; June 3.
Oil, Lubricating. H. V. Ashburn and W. G. Alsop. 2,244,416; June 3.
Oil product, Mineral. L. A. Mikeska. 2,244,075; June 3.
Oil refining, Hydrocarbon. S. W. Ferris and E. R. Birkhimer. 2,244,521; June 3.
Oil, Soluble. E. W. Adams and F. H. MacLaren. 2,243,994; June 3.
Oils, Cracking hydrocarbon. E. D. Phinney. 2,244,632; June 3.
Opener for crown sealed containers. W. W. King. 2,244,625; June 3.
Operating instrument, Flexible. F. C. Wappler. 2,243,992; June 3.
Operating mechanism for clutches. C. B. Spase. 2,244,128; June 3.
Ophthalmic mounting. J. C. Wells. 2,244,227; June 3.
Optical system, Coloramic. W. Ayres. 2,244,235; June 3.
Ornament. C. K. Davis. 2,244,516; June 3.
Ornament with pin and making the same, Glass. H. Lowenthal. 2,244,493; June 3.
Oscillator, Sawtooth. C. C. Eaglesfield and J. Archer. 2,244,003; June 3.
Packer and setting tool. L. A. Layne, H. C. Block, and A. L. Roco. 2,243,967; June 3.
Packer, Control head. J. E. Moe. 2,244,076; June 3.
Packing structure. J. F. Wallace. 2,244,135; June 3.
Padding and making the same, Fibrous. O. R. Burkhart. 2,244,097; June 3.
Pail, Minnow. W. H. Hartford. 2,244,457; June 3.
Paper fastener. S. A. Crosby. 2,243,855; June 3.
Paper feeding device. R. B. Johnson. 2,244,250; June 3.
Paper spacing mechanism for printing machines. H. H. Keen. 2,244,252; June 3.
Parasiticide. W. P. ter Horst. 2,244,547; June 3.
Paraffin, Synthetical production of. F. Fischer and H. Pichler. 2,243,897; June 3.
Partition, Sectional. R. F. Carpenter and C. J. Daugherty. 2,244,649; June 3.
Pedestal, Camera supporting. A. V. Bedford and K. J. Magnusson. 2,243,892; June 3.
Pen, Fountain. A. W. Doux. 2,243,856; June 3.
Perforating method and apparatus. F. J. Chandler. 2,244,550; June 3.
Petroleum distillates, Treatment of light. A. Lazar and T. F. McCormick. 2,244,164; June 3.
Photoelectric cell. L. J. Seitz, Jr. 2,244,264; June 3.
Photographic color process. L. Yanket. 2,244,589; June 3.
Photographic process. A. Marriage, R. F. W. Selman, and G. W. W. Stevens. 2,244,304; June 3.
Picnic table. C. J. Nelson. 2,244,211; June 3.
Pipe end cutting and grinding machine. R. P. Norton. 2,243,976; June 3.
Piston. C. A. Marien. 2,244,166; June 3.
Piston construction. R. M. Hazen and T. S. McCrae, Jr. 2,244,008; June 3.
Piston machine, Free. R. Pateras Pescara. 2,244,215; June 3.
Planting mechanism. C. H. White. 2,243,933; June 3.
Platform rocking chair. M. Fox. 2,244,614; June 3.
Plow, Disk. C. G. Strandlund. 2,243,989; June 3.
Plowing and root separating apparatus. F. W. Kasten. 2,244,538; June 3.
Plug valve indicator, Tapered. L. E. Golt and E. C. Brisbane. 2,243,845; June 3.
Polymer composition. R. Rosen and R. M. Thomas. 2,244,021; June 3.
Polymeric material. J. B. Miles, Jr. 2,244,208; June 3.
Polymeric materials. P. R. Austin. 2,244,183; June 3.
Polymides, Preparation of. P. J. Flory. 2,244,192; June 3.
Poppet valve. T. J. Hoy. 2,243,863; June 3.
Positioning mechanism. J. E. Barth. 2,244,601; June 3.
Potato picker and grader. J. G. Mold. 2,243,975; June 3.

Power system, Hydraulic. E. A. Rockwell. 2,244,317; June 3.
Power transmission. F. T. Harrington. 2,244,006; June 3.
Power transmission. F. T. Harrington, C. V. Losey, and R. S. Miller. 2,244,007; June 3.
Power transmission, Hydraulic. R. K. Lorton. 2,244,207; June 3.
Power transmitting arrangement for motor-driven vehicles. H. Pieper. 2,244,216; June 3.
Precision indicating apparatus for machine tools. J. B. Armitage. 2,244,413; June 3.
Press: *See*—
Shoe press.
Press. R. W. Glasner. 2,243,952; June 3.
Pressure indicator for suction cleaners, Bag. C. G. Troxler. 2,244,130; June 3.
Pressure-producing device, Fluid. E. F. Loweke. 2,244,562; June 3.
Pressure responsive instrument. F. H. Hopkins. 2,244,334; June 3.
Pressure-tight bearing. E. S. Cornell, Jr. 2,244,054; June 3.
Printing machine. E. Buhler. 2,244,242; June 3.
Printing machine. C. E. Wyrick. 2,244,411; June 3.
Printing machine, Multicolor. A. M. Zuckerman. 2,244,593; June 2.
Printing mechanism. A. M. Youngs. 2,244,592; June 3.
Propeller. G. F. Buckingham. 2,244,139; June 3.
Propeller guard, Weedless. J. C. Pries. 2,244,217; June 3.
Protector: *See*—
Hand protector.
Protein products, Making. J. N. Lawrence and R. H. Hieronymus. 2,243,871; June 3.
Pulp article, Molded. M. P. Chaplin. 2,244,486; June 3.
Pump: *See*—
Centrifugal pump. Rotary pump.
Pump and counterbalance, Oil well. C. M. O'Leary. 2,244,428; June 3.
Pump control, Fluid. L. W. Shelly. 2,243,888; June 3.
Pump control, Injection. S. Meiswinkel. 2,244,306; June 3.
Pump displacement control, Metered. R. G. Hixson and U. K. Olesen. 2,244,156; June 3.
Pump jack. K. T. Blakeley. 2,244,607; June 3.
Pump or the like, Rotary. F. C. Fulcher. 2,243,899; June 3.
Pump system and control, Bulk plant. A. J. Granberg and T. A. McCoy. 2,244,106; June 3.
Pumping system, Liquid. S. M. Parker. 2,243,918; June 3.
Punch. P. O. Unger. 2,244,320; June 3.
Punchboard device, Merchandise. K. E. Rebstock. 2,244,080; June 3.
Punching device. J. E. Phillips. 2,244,079; June 3.
Quenching apparatus, Automatic. F. S. Denneen and W. C. Dunn. 2,244,056; June 3.
Radial drill. L. L. Schauer. 2,244,026; June 3.
Radiator water cleaner, Automobile. W. J. Rogers. 2,244,574; June 3.
Radio tuning device, Time controlled. C. R. and S. O. Johnston. 2,244,299; June 3.
Rail bond. A. H. Genter. 2,244,248; June 3.
Rail flaw detection. J. H. Bigelow. 2,244,606; June 3.
Record posting machine. R. A. Rowley. 2,244,262; June 3.
Record, Statistical. J. W. Armbruster. 2,244,231; June 3.
Recording device. J. T. McNaney. 2,244,497; June 3.
Reel adjusting means. F. J. Samerdyke. 2,244,119; June 3.
Refrigerating apparatus. P. B. Loomis. 2,244,525; June 3.
Refrigerating apparatus, Absorption. R. Hintze. 2,243,903; June 3.
Refrigerating system. E. J. Hermann. 2,243,958; June 3.
Refrigerating system. W. A. Spofford. 2,244,376; June 3.
Refrigeration. W. H. Kitto. 2,243,848; June 3.
Refrigeration apparatus. S. E. Bickle. 2,244,485; June 3.
Refrigeration system. A. B. Newton. 2,244,312; June 3.
Register for vehicles, Inertia. E. L. Bacon. 2,244,417; June 3.
Relay, Alternating current. E. Lakatos. 2,243,911; June 3.
Relay valve. F. E. Hussong. 2,244,108; June 3.
Resilient wheel. C. Saurer. 2,244,633; June 3.
Resin, Urea-polymide-formaldehyde. P. R. Austin and B. Graham. 2,244,184; June 3.
Resins, Preparation of infusible. D. E. Cordier. 2,244,289; June 3.
Resistor and method for making same. G. F. Benkelman. 2,244,548; June 3.
Restrictor, Flow. R. M. Nee and C. O. Radden. 2,244,311; June 3.
Retracting blade switch. T. F. Johnson. 2,244,201; June 3.
Ring: *See*—
Boxing ring.
Rivet guiding means. K. Butter. 2,244048; June 3.
Riveting, Method of. C. H. Lyon. 2,244,073; June 3.
Rod wiper, Oil gauge. F. M. Scott. 2,244,579; June 3.
Roll for textile machines, Fiber working. R. A. Kettley. 2,244,461; June 3.
Roller bit. C. M. Hannum. 2,244,617; June 3.
Roofing and the like. R. A. Wilkins. 2,244,093; June 3.
Rolling mill. M. Morgan. 2,244,499; June 3.
Rotary cutter. C. D. Chase. 2,244,099; June 3.
Rotary pump. F. C. Fulcher. 2,243,901; June 3.
Rubber reclaiming. F. Rostler and V. Mehner. 2,244,654; June 3.
Salts of amino-amidines, Separation of. W. H. Hill. 2,244,253; June 3.
Saw, Power. G. A. Strayer and E. McNabbs. 2,244,029; June 3.
Scale, Weighing. S. N. Hurt. 2,244,621; June 3.
Scraper. L. Berner. 2,243,881; June 3.
Screed, Vacuum. J. N. Heltzel. 2,244,297; June 3.
Screw. G. Bradshaw. 2,244,046; June 3.
Screw head cutting cap. I. L. Wales, Jr. 2,244,226; June 3.
Seat: *See*—
Folding seat.
Separator: *See*—
Coin and slug separator. Liquid separator.
Fluid current separator.
Servomotor. H. Heinrich, W. Volt, and M. Hurst. 2,244,296; June 3.
Sewing machine. A. R. Mahany. 2,244,424; June 3.
Sewing machine, Blind stitch. G. Stevenson. 2,244,224; June 3.
Shaver, Electric dry. I. Florman. 2,244,452; June 3.
Shears. R. H. Boardman. 2,244,638; June 3.
Sheeting, Producing tear resisting rubber. A. N. Iknayan. 2,244,557; June 3.
Shock absorber. W. W. Walden. 2,244,274; June 3.
Shock absorbing device. D. B. Gish. 2,244,147; June 3.
Shoe. J. F. Teehan. 2,2440,030; June 3.
Shoe counter, Athletic. J. T. Riddell. 2,244,504; June 3.
Shoe hanger. M. E. Epstein. 2,243,947; June 3.
Shoe press. J. F. Smith. 2,244,545; June 3.
Shoe rest. W. L. Baxter. 2,244,043; June 3.
Shoe, Stitchdown. H. N. Grimes. 2,244,062; June 3.
Shoemaking. J. F. Teehan. 2,244,031; June 3.
Shutter fastener. E. C. Schwab. 2,244,432; June 3.
Sifter, Flour. H. W. Braun. 2,244,186; June 3.
Signal amplification method and circuits. K. W. Jarvis. 2,244,066; June 3.
Signal apparatus. H. R. Gross. 2,243,954; June 3.
Signal controlling means. E. A. Link, Jr. 2,244,464; June 3.
Signal switch, Automobile direction. H. Slawatycki. 2,243,890; June 3.
Signal system, Vehicle. H. J. Murray and W. S. Rugg. 2,244,171; June 3.
Signalling device, Railroad. T. H. Maatsch. 2,243,971; June 3.
Silencer and air cleaner, Intake. H. G. Kamrath. 2,243,866; June 3.
Silencer for rock drills. G. H. Fuehrer. 2,244,060; June 3.
Siliceous base exchange substances, Preparing. R. E. Benson. 2,244,383; June 3.
Sizer, Fruit and vegetable. H. C. Stockdale. 2,244,546; June 3.
Sleeve. M. Kleiman. 2,244,368; June 3.
Sleeve and making same. C. H. Klein. 2,244,109; June 3.
Sliding door fastener. E. A. Le Beau. 2,243,872; June 3.
Sliding key clutch. R. E. Wissman. 2,244,037; June 3.
Smoke indicator device. H. Thomas. 2,244,507; June 3.
Snubbing device, Hydraulic. R. C. Pierce. 2,244,501; June 3.
Socketed articles, Producing. R. L. Wilcox. 2,244,381; June 3.
Soldering tool. P. A. Schnebelen. 2,244,576; June 3.
Solvent dewaxing. W. Smisloff. 2,244,407; June 3.
Solvent extraction, Method for selective. A. L. Lyman. 2,243,873; June 3.
Spinning or twisting mechanism. W. M. Camp. 2,244,141; June 3.
Spout mechanism, Distributor. L. Delivuk. 2,243,840; June 3.
Spreader. F. E. Arndt. 2,243,939; June 3.
Spreader. F. E. Arndt. 2,244,414; June 3.
Spreader. F. E. Arndt. 2,244,480; June 3.
Spreader for vehicles, Sand. N. J. and B. F. Kook. 2,244,069; June 3.
Spring construction. C. H. Menge. 2,244,469; June 3.
Stand: *See*—
Display stand. Musical stand.
Starting device. H. Klein and K. Rothermel. 2,244,627; June 3.
Statistical machine, Record controlled. D. Broido. 2,244,647; June 3.
Steam generator. L. W. Heller. 2,243,862; June 3.
Steel, Production of. H. A. Brassert. 2,244,385; June 3.
Stenciling apparatus. K. B. Vollstorf. 2,244,272; June 3.
Stitch, Surgical. W. M. Eaton. 2,244,448; June 3.
Stocking. A. R. Bell. 2,244,604; June 3.
Stoker. P. A. Ketchpel. 2,243,962; June 3.
Stretcher with spring suspended litter, Wheel. E. R. Scudder. 2,244,122; June 3.
Stretching frame. F. C. Osborn. 2,244,473; June 3.
Stripe mechanism for knitting machines, Wrap. H. G. Dickens. 2,244,330; June 3.
Strut, Shock absorbing. L. W. Greve. 2,244,150; June 3.
Sucker rod coupling. J. J. Fitzpatrick. 2,244,104; June 3.
Suction cleaner. C. H. McFarland and H. A. Shumaker. 2,244,165; June 3.
Suction cleaner. C. H. Sparklin. 2,243,895; June 3.
Suction cleaner. C. H. Taylor. 2,244,132; June 3.

Sulphonates, Preparation of aliphatic-aromatic. R. L. Brandt. 2,244,012; June 3.
Superheat, Means for controlling. T. Kruger. 2,243,909; June 3.
Supplementary handle. J. M. Twelt. 2,244,585; June 3.
Supply system, Fluid pressure. P. Bissinger. 2,244,384; June 3.
Supporting means for grinding wheels. C. G. Ekholm. 2,244,057; June 3.
Supporting roller bearing. J. C. Shaw. 2,244,434; June 3.
Supporting surface for aircraft. A. Schweisch. 2,243,885; June 3.
Switch: *See*—
Retraction blade switch. Signal switch.
Switch. E. W. Rickmeyer. 2,244,346–9; June 3.
Switch unit. W. H. Frank and J. A. Messing. 2,244,359; June 3.
Switching device, Fluid flow responsive. J. H. Powers. 2,244,373; June 3.
Switching means for Roentgen apparatus, Protective. K. Bischoff and B. Woernle. 2,244,137; June 3.
Switching system, Wave-band. E. Sauer. 2,244,023; June 3.
Syringe, Self-filling. W. Kassab. 2,243,908; June 3.
Table: *See*—
Picnic table.
Table adjustment, Grinding machine-swivel. C. G. Flygare. 2,244,643; June 3.
Tank construction. H. E. Fritz and J. R. Hoover. 2,244,522; June 3.
Tanning preparation and making the same. F. J. Wallace. 2,244,410; June 3.
Tape serving apparatus, including directive advancing and moistening means therefor. T. R. Gautier. 2,244,105; June 3.
Telegraph system. R. J. Anspach. 2,244,597; June 3.
Telegraph test board. J. T. Nelswinter. 2,244,566; June 3.
Telephone system. E. L. Erwin. 2,244,004; June 3.
Telephone system. H. Nyquist. 2,244,500; June 3.
Telephone system, Automatic. G. A. Anderson. 2,244,596; June 3.
Telescope for endoscopic instruments and the like. H. E. Palmeter. 2,244,568; June 3.
Television. H. G. Lubszynski and S. Rodda. 2,244,466; June 3.
Television control device. A. N. Goldsmith. 2,244,251; June 3.
Television system. A. D. Blumlein and R. E. Spencer. 2,244,239; June 3.
Temperature regulation. C. W. Nessell. 2,244,631; June 3.
Template. J. L. Marcum. 2,244,303; June 3.
Testing system, Tube. H. P. Manly. 2,244,495; June 3.
Textile fabrics, Manufacture and treatment of. D. Finlayson, E. L. Greenwood, and T. P. Dee. 2,243,843; June 3.
Textile materials, Production of. B. J. Flanagan and A. Mellor. 2,243,858; June 3.
Textile materials, Production of. R. J. Mann and A. Mellor. 2,243,877; June 3.
Textiles, Softening. A. Rheiner and J. Link. 2,243,980; June 3.
Thread conditioning tool. J. F. Brown. 2,244,138; June 3.
Thread or the like, Manufacture of. H. B. Kline, W. F. Knebusch, and A. H. Burkholder. 2,243,964; June 3.
Tie bar. J. W. Isett. 2,244,337; June 3.
Time recorder, Workman's. E. A. Faller. 2,244,247; June 3.
Timer, Transientless. D. I. Bohn. 2,243,833; June 3.
Tire inner tubes, Producing self-sealing. F. G. Carnahan. 2,244,648; June 3.
Titanium phthalate and making the same, Basic. W. K. Nelson and A. O. Ploetz. 2,244,258; June 3.
Toaster, Bread. H. J. Ablah. 2,244,039; June 3.
Toaster, Electric. A. C. Heise and M. W. Jacobi. 2,244,619; June 3.
Tone arm control mechanism for phonographs. O. A. Hokanson. 2,244,157; June 3.
Tool: *See*—
Cementing tool. Thread conditioning tool.
Compression joint tool. Work supporting tool.
Soldering tool.
Tool for laying and removing underground pipes. W. C. Johnson. 2,244,202; June 3.
Tool mounting. H. F. Bakewell. 2,244,185; June 3.
Tool safety valve, Pneumatic. E. B. Maddox. 2,243,876; June 3.
Toothbrush. W. W. Busick. 2,244,098; June 3.
Toothbrush. L. Garcin. 2,244,615; June 3.
Torque converter, Infinitely variable. W. D. Waterman. 2,243,928; June 3.
Tour system, Watchman's. W. J. Kleinknecht. 2,243,963; June 3.
Toy, Aerial projectile. G. Mahlck. 2,244,342; June 3.
Toy and exercising device, Combined wheeled. J. A. Dann. 2,244,447; June 3.
Toy, Remotely controlled self-propelled. F. P. Schur. 2,244,528; June 3.
Tracking mechanism cutter for portable or studio recording. J. Staszkiewicz. 2,244,506; June 3.
Trackless trolley vehicle. W. W. Drummey. 2,243,945; June 3.
Traffic control system, Aircraft. S. Graham. 2,244,148; June 3.
Traffic controlling apparatus, Railway. J. M. Pelikan. 2,244,401; June 3.
Trains monitor, L. A. Preston. 2,244,117; June 3.
Transfer device for dough handling machinery, Dough-roll. E. T. Parsons, H. W. Sawyer, and T. P. Newitts. 2,244,430; June 3.
Transformer. G. Camilli. 2,244,386; June 3.
Translating means for electrical currents. M. Maul. 2,244,257; June 3.
Transmission. R. S. Taylor. 2,244,133; June 3.
Transmission measuring system. J. F. Andrews. 2,244,041; June 3.
Trap hook. L. Voigt. 2,244,271; June 3.
Traveling bag. J. Wein. 2,244,091; June 3.
Tray, Ash. F. W. Grantham. 2,244,149; June 3.
Treating metal surfaces. C. J. MacKay. 2,244,526; June 3.
Tree transplanter. G. T. and L. Gwathmey. 2,243,955; June 3.
Tripod, Camera. R. L. Swartz. 2,244,089; June 3.
Truck, Automatic self loading and unloading. H. C. Lima. 2,244,524; June 3.
Truck, Hand. H. B. Mueller. 2,243,915; June 3.
Truck, Rail. E. H. Piron. 2,244,502; June 3.
Tube: *See*—
Cathode ray tube. Electron tube.
Coin packing tube. Electron discharge tube.
Collapsible tube. Inner tube.
Tube, Inner. E. H. Barder and C. E. Snyder. 2,244,481; June 3.
Turbine. A. Lysholm. 2,244,467; June 3.
Turbine, Elastic fluid. P. H. Knowlton, Jr. 2,244,398; June 3.
Turbine, High-pressure. R. Hertl. 2,243,959; June 3.
Turntable, Automobile. R. F. Ash. 2,244,598; June 3.
Turntable drive, Compensating. E. V. Schneider. 2,244,120–1; June 3.
Typewriting machine. G. B. Almer. 2,244,220; June 3.
Typewriting machine. K. J. Botham and L. Jaworski. 2,244,095; June 3.
Typewriting machine. G. F. Handley. 2,243,956; June 3.
Typewriting machine. H. L. Pitman. 2,244,115; June 3.
Typewriting machine. J. A. B. Smith. 2,244,087; June 3.
Universal joint. A. A. Warner. 2,244,379–80; June 3.
Vacuum cleaner. A. C. Elder. 2,244,102; June 3.
Vacuum cleaner. W. J. Neidig. 2,244,077; June 3.
Vacuum cleaner. W. C. Schotz. 2,244,375; June 3.
Valve: *See*—
Constant level valve. Poppet valve.
Differential pressure valve. Relay valve.
Motor operated valve. Tool safety valve.
Valve. R. C. Bayne. 2,244,483; June 3.
Valve. H. E. Heine and H. G. Mullett. 2,243,957; June 3.
Valve cap holder. J. L. E. Lippé. 2,244,465; June 3.
Valve control, Interchangeable metering. R. W. Johnson. 2,244,161; June 3.
Valve for bus door operating mechanisms. J. R. Almond. 2,243,937; June 3.
Valve for combustion engines, Fuel. C. Retschy. 2,244,345; June 3.
Valve means for hydraulically tiltable bulldozers. H. L. Nichols, Jr. 2,244,471; June 3.
Valve mechanism, Unloading. W. A. Patton. 2,244,212; June 3.
Valve stem and check valve therefor. F. H. Watson. 2,243,930; June 3.
Valve structure. W. A. Patton. 2,244,213; June 3.
Vaporizer, Electric incense. J. T. Williams, J. T. Williams, Jr., and K. F. Riese. 2,244,180; June 3.
Variable resistance, Automatically. G. L. Holmes and R. S. Craig. 2,244,644; June 3.
Vehicle: *See*—
Trackless trolley vehicle.
Vehicle direction indicator. W. P. Herzer. 2,244,458; June 3.
Vending machine. C. V. Tardete. 2,244,581; June 3.
Veneer cutting machine. F. R. Capps. 2,244,049; June 3.
Ventilator, Crankcase. A. J. Root. 2,244,403; June 3.
Vertical suspension door. F. A. Schilling, Jr. 2,244,405; June 3.
Vessel and method, Welded pressure. J. C. Hodge. 2,244,064; June 3.
Vessel, Electrical heating. J. E. Smith. 2,244,580; June 3.
Vibrator. H. B. Philips. 2,243,920; June 3.
Voltage control of generators in electrical installation of vehicles. F. Menzel. 2,244,307; June 3.
Waistband for trousers, Convertible. H. N. Bartman. 2,244,602; June 3.
Washing and drying machine. O. P. Keys. 2,244,462; June 3.
Washing control, Centrifugal. E. G. Kochli. 2,244,652; June 3.
Waste disposal apparatus. J. H. Powers. 2,244,402; June 3.
Water boiler, Vertical hot. F. O. A. Ohlsson. 2,244,567; June 3.
Water closet, Low level. O. G. Carlsson. 2,244,530; June 3.
Water cutoff and pressure control, Combination low. R. E. Van Norstrand. 2,244,131; June 3.

Water treating composition. F. E. Hubbard and C. R. McCullough. 2,244,158; June 3.
Water walls and the like F. Falla. 2,244,451; June 3.
Wave translation system. G. Guanella. 2,244,249; June 3.
Welder, Tractor. E. A. Hobart. 2,244,063; June 3.
Welding apparatus and method. D. I. Bohn. 2,243,832; June 3.
Welding apparatus, Electric. E. J. von Henke and A. A. Grothe. 2,244,508; June 3.
Welding machine, Wire. A. Hannaford. 2,244,554; June 3.
Well clearing system. I. C. Looman. 2,244,255; June 3.
Well drilling bit. A. W. Kammerer. 2,244,537; June 3.
Wheel: *See*—
Buffing wheel.
Demountable wheel.
Resilient wheel.
Wheel assembly, Rocker. J. Anderson. 2,244,510; June 3.
Wheel cover member and assembly G. A. Lyon. 2,244,014; June 3.
Window screen and storm sash fixture. J. Zercher. 2,244,136; June 3.
Wire line transmission. R. P. Booth and T. M. Odarenko. 2,243,851; June 3.
Wire supply means, Filler. L. B. Berg. 2,244,511; June 3.
Woodworking device. S. Maurer. 2,244,426; June 3.
Work supporting tool. K. Hubschneider. 2,243,905; June 3.
Wrench. L. S. Eyrick. 2,243,948; June 3.
Wringer construction. J. Mikulasek. 2,243,972; June 3.
Yarn and fabric, Corrosion resistant. R. S. Owens. 2,243,917; June 3.
Yarn, Making. C. Holdsworth. 2,244,363; June 3.
Yarn twisting and stabilizing machine. W. W. Arnold, Jr. 2,244,415; June 3.
Yarn winding, Process and apparatus for. G. M. Karns. 2,244,492; June 3.

CLASSIFICATION OF PATENTS

ISSUED JUNE 3, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2— 12: 2,243,982
20: 2,244,445
74: 2,244,583
97: 2,244,454
115: 2,244,167
236: 2,244,602
270: 2,244,368
4— 14: 2,244,530
5— 38: 2,244,470
44: 2,243,882
91: 2,244,435
347: 2,244,310
351: 2,244,543
8— 114: 2,243,843
2,243,858
2,243,877
9— 20: 2,244,163
10— 1: 2,244,138
7: 2,244,381
135: 2,244,143
2,244,185
12— 7: 2,244,067
33: 2,244,545
123: 2,244,043
142: 2,244,031
13— 6: 2,244,267
15— 2: 2,243,935
8: 2,243,985
2,244,077
2,244,375
16: 2,244,132
89: 2,244,439
167: 2,244,615
172: 2,244,098
179: 2,244,110
210: 2,244,579
16— 58: 2,244,254
128: 2,244,276
148: 2,244,275
172: 2,244,136
17— 42: 2,244,560
43: 2,244,179
45: 2,243,951
18— 2: 2,244,162
3.5: 2,244,000
8: 2,244,281
30: 2,243,968
2,244,425
33: 2,243,950
57: 2,244,208
59: 2,244,557
61: 2,244,565
19— 1: 2,244,333
55: 2,244,529
2,244,542
56: 2,244,534
65: 2,244,203
130: 2,244,461
156: 2,244,544
20— 16: 2,244,182
19: 2,244,405
2,244,642
56.5: 2,244,491
92: 2,244,343
21— 58: 2,244,341
22— 57: 2,244,490
73: 2,243,835
92: 2,244,123
201: 2,244,367
23— 86: 2,244,477
113: 2,244,383
143: 2,244,194
232: 2,244,366
256: 2,244,610
288: 2,244,599
24— 73: 2,244,572
116: 2,244,600
153: 2,243,855
25— 22: 2,243,880
25— 128: 2,244,107
29— 26: 2,243,976
48: 2,244,463
73: 2,244,029
148: 2,243,923
2,244,109
2,244,427
188: 2,243,979
30— 43: 2,244,452
204: 2,244,638
350: 2,244,053
33— 1: 2,244,181
76: 2,243,838
80: 2,244,391
2,244,549
98: 2,244,125
148: 2,244,377
197: 2,244,303
35— 1: 2,244,590
12: 2,243,973
36— 16: 2,244,062
54: 2,244,030
68: 2,244,504
37— 4: 2,243,831
40— 20: 2,244,267
113: 2,244,514
43— 25: 2,244,408
29: 2,244,270
34: 2,244,271
45: 2,244,378
48: 2,244,032
56: 2,244,457
112: 2,244,191
44— 9: 2,244,496
45— 22: 2,244,226
130: 2,244,473
137: 2,243,841
46— 210: 2,244,528
47— 1.2: Re.21,820
1.3: 2,243,891
9: 2,243,857
37: 2,243,955
59: Pl.Pt.470
60: Pl.Pt.471
Pl.Pt.472
62: Pl.Pt.473
48— 38: 2,244,419
184: 2,244,111
49— 1: 2,244,291
9: 2,244,273
47: 2,244,112
2,244,113
83.1: 2,244,468
51— 50: 2,244,643
56: 2,243,925
150: 2,244,536
161: 2,244,478
168: 2,244,057
170: 2,244,586
193: 2,244,582
281: 2,244,223
53— 3: 2,243,895
5: 2,243,953
2,440,039
7: 2,244,145
2,244,168
21: 2,244,193
55— 51: 2,243,975
56— 22: 2,244,575
25: Re.21,819
57— 35: 2,244,415
100: 2,244,141
140: 2,243,917
156: 2,244,363
59— 80: 2,244,637
60— 16: 2,243,883
41: 2,244,467
52: 2,244,420
53: 2,244,156
60— 54.6: 2,244,562
57: 2,244,384
61— 3: 2,244,433
62— 1: 2,243,847
4: 2,244,312
5: 2,243,934
8: 2,244,376
2,244,382
2,244,525
19: 2,244,005
89.5: 2,243,958
108.5: 2,243,848
2,244,081
116: 2,243,931
2,244,485
119.5: 2,243,903
126: 2,244,010
2,244,475
141: 2,244,327
63— 20: 2,244,493
64— 4: 2,243,960
15: 2,243,900
17: 2,244,379
2,244,380
66— 84: 2,243,850
135: 2,244,330
2,244,331
172: 2,244,153
187: 2,244,604
67— 7: 2,243,924
7.1: 2,244,563
31: 2,244,114
68— 249: 2,243,972
70— 264: 2,244,441
285: 2,244,152
72— 42: 2,244,489
105: 2,244,151
73— 51: 2,243,842
109: 2,244,334
2,244,335
151: 2,244,587
208: 2,244,552
241: 2,244,329
74— 5: 2,244,603
6: 2,244,627
7: 2,244,220
2,244,265
10: 2,244,019
31: 2,244,607
98: 2,244,350
110: 2,244,215
114: 2,243,928
142: 2,244,601
206: 2,244,120
2,244,121
259: 2,244,133
503: 2,244,464
589: 2,244,428
75— 52: 2,214,385
138: 2,244,608
171: 2,244,517
178: 2,244,146
76— 104: 2,244,052
77— 28: 2,244,026
63: 2,243,946
78— 42: 2,244,078
46: 2,244,073
49: 2,244,047
2,244,048
2,244,595
80— 9: 2,244,622
56: 2,244,499
81— 56: 2,243,948
57: 2,244,446
83— 6: 2,244,402
11: 2,244,577
84— 95: 2,244,160
285: 2,244,332
400: 2,244,205
84— 423: 2,243,834
85— 2.4: 2,243,894
45: 2,244,046
88— 1.5: 2,244,505
14: 2,244,228
2,244,507
24: 2,244,523
32: 2,244,568
41: 2,244,227
69: 2,244,235
90— 13.1: 2,244,190
21: 2,244,413
59: 2,243,905
91— 12.2: Re.21,814
12.7: 2,244,388
32: 2,243,844
38: 2,244,105
45: 2,244,651
62.5: 2,244,336
68: 2,243,853
2,243,969
2,243,980
70.2: 2,244,236
92— 49: 2,244,033
93— 1: 2,244,268
39.1: 2,244,282
94— 8: 2,244,337
18: 2,244,315
45: 2,244,297
95— 2: 2,244,498
5: 2,244,304
5.6: 2,244,187
6: 2,244,589
97— 35: 2,244,538
71.1: 2,244,585
102: 2,243,989
215: 2,244,099
99— 23: 2,244,569
77.1: 2,244,520
90: 2,243,860
92: 2,243,868
113: 2,243,867
100— 47: 2,244,209
57: 2,244,540
101— 30: 2,244,613
40: 2,244,592
96: 2,244,242
115: 2,244,272
180: 2,244,593
355: 2,244,411
415: 2,243,922
103— 40: 2,243,888
2,243,918
41: 2,244,306
49: 2,243,978
113: 2,244,397
149: 2,244,418
221: 2,244,051
104— 44: 2,244,598
105— 2: 2,243,906
10: 2,243,854
135: 2,244,502
420: 2,244,200
2,244,518
421: 2,244,390
106— 30: 2,244,103
48: 2,244,360
95: 2,244,449
107— 14: 2,244,578
108— 13: 2,244,093
110— 18: 2,244,024
101: 2,243,962
105.5: 2,243,970
111— 51: 2,243,933
112— 98: 2,244,424
178: 2,244,224
113— 38: 2,243,952
51: 2,243,986
112: 2,244,064
114— 65: 2,244,011
66.5: 2,244,357
115— 42: 2,244,217
116— 24: 2,244,285
53: 2,244,458
65: 2,244,130
90: 2,244,431
125: 2,243,845
129: 2,244,588
120— 42: 2,243,856
121— 35: 2,243,876
2,244,060
41: 2,244,296
69: 2,244,539
162: 2,243,865
185: 2,243,863
2,243,864
122— 33: 2,244,567
235: 2,244,144
2,244,451
336: 2,243,862
479: 2,243,909
480: 2,243,913
123— 33: 2,243,846
43: 2,244,438
65: 2,244,453
119: 2,244,403
133: 2,244,623
139: 2,243,861
171: 2,244,594
173: 2,244,323
174: 2,244,266
191: 2,244,214
196: 2,244,641
124— 17: 2,244,342
126— 41: 2,244,045
99: 2,244,173
108: 2,244,055
110: 2,243,916
113: 2,244,126
169: 2,244,189
202: 2,244,042
128— 1: 2,243,999
2,244,082
129— 16: 2,244,561
17: 2,244,176
28: 2,243,904
131— 21: 2,244,142
240: 2,244,149
132— 33: 2,243,927
35: 2,244,068
133— 9: 2,244,222
136— 89: 2,244,264
334: 2,244,527
334.1: 2,243,990
174— 11: 2,244,392
175— 21: 2,244,536
41: 2,244,090
183: 2,244,338
2,244,404
2,244,606
294: 2,244,086
363: 2,243,941
373: 2,244,058
176— 40: 2,243,849
122: 2,244,558
126: 2,244,070
329: 2,243,954
337: Re.21,818
352: 2,244,148
380: 2,243,963
2,244,257
178— 2: 2,244,597
7.1: 2,244,239
7.2: 2,244,251
144— 7: 2,243,919
299: 2,244,219
146— 189: Re.21,817
148— 6: 2,244,526
151— 19: 2,244,400
152— 224: 2,244,218
330: 2,244,481
153— 73: 2,243,932
154— 2: 2,244,097
2,244,352
8: 2,244,635
15: 2,244,648
155— 2: 2,244,550
39: 2,244,096
41: 2,244,474
71: 2,244,614
124: 2,244,531
128: 2,244,459
133: 2,244,605
139: 2,243,984
148: 2,244,399
169: 2,244,440
179: 2,244,460
10: 2,244,300
15: 2,244,012
17: 2,244,094
2,243,910
22: 2,244,129
158— 4: 2,244,314
74: 2,243,987
91: 2,244,178
164— 6.5: 2,244,305
48: 2,244,049
61: 2,244,426
90: 2,244,550
91: 2,244,320
166— 1: 2,244,354
10: 2,243,967
13: 2,244,076
17: 2,244,256
21: 2,244,255
167— 33: 2,244,547
74: 2,244,277
170—135.6: 2,244,139
168: 2,243,852
171— 95: 2,244,369
2,244,513
97: 2,244,065
119: 2,244,025
2,244,386
252: 2,244,406
314: 2,244,307
172— 36: 2,243,878
173— 244: 2,243,881
273: 2,244,038
277: 2,244,248
324: 2,244,009
334: 2,244,527
334.1: 2,243,990
174— 11: 2,244,392
175— 21: 2,244,536
41: 2,244,090
183: 2,244,338
2,244,404
2,244,606
294: 2,244,086
363: 2,243,941
373: 2,244,058
176— 40: 2,243,849
122: 2,244,558
126: 2,244,070
329: 2,243,954
337: Re.21,818
352: 2,244,148
380: 2,243,963
2,244,257
178— 2: 2,244,597
7.1: 2,244,239
7.2: 2,244,251

178— 7.2: 2,244,365
2,244,466
7.3: 2,244,240
7.5: 2,244,230
7.7: 2,244,013
27: 2,244,074
44: 2,243,829
2,243,907
2,244,001
2,244,022
2,244,259
69: 2,244,566
179— 18: 2,244,004
2,244,500
27: 2,244,596
78: 2,243,851
90: 2,244,609
171: 2,244,249
2,244,261
175.3: 2,244,041
180— 53: 2,244,063
54: 2,244,216
181— 0.5: 2,244,484
48: 2,243,866
61: 2,244,393
183— 7: 2,244,278
2,244,279
24: 2,243,839
37: 2,244,165
77: 2,244,102
105: 2,244,372
184— 11: 2,244,225
185— 37: 2,244,321
188— 79.5: Re.21,821
2,244,084
88: 2,244,150
2,244,501
96: 2,244,147
152: 2,244,317
185: 2,244,494
232: 2,244,232
189— 34: Re.21,816
2,244,649
79: 2,244,432
92: 2,243,886
190— 12: 2,244,211
41: 2,244,091
191— 1: 2,243,945
192— 3: 2,244,116
3.5: 2,244,092
24: 2,244,037
57: 2,244,207
60: 2,244,509
68: 2,244,134
2,244,169
105: 2,244,128
193— 23: 2,243,840
194— 3: 2,244,370
92: 2,243,929
100: 2,243,926
196— 10: 2,243,869

196— 10: 2,244,556
2,244,636
13: 2,244,521
18: 2,244,407
37: 2,244,164
49: 2,244,632
52: 2,244,018
2,244,612
197— 1: 2,244,095
63: 2,244,087
2,244,115
66: 2,244,443
127: 2,244,252
135: 2,244,229
169: 2,243,956
198— 27: 2,244,430
54: 2,244,442
128: 2,244,480
131: 2,243,879
194: 2,244,422
204: 2,244,364
220: 2,243,936
200— 1: 2,244,326
2,244,346
37: 2,244,299
48: 2,244,201
59: 2,243,890
2,244,171
67: 2,244,359
81: 2,244,373
82: 2,244,007
83: 2,244,131
90: 2,243,920
91: 2,243,911
121: 2,244,044
133: 2,244,532
139: 2,244,347
2,244,348
2,244,349
144: 2,244,061
152: Re.21,815
166: 2,244,436
201— 55: 2,244,644
64: 2,244,548
204— 197: 2,244,322
209: 2,244,423
224: 2,244,620
206— 57: 2,244,630
209— 81: 2,244,591
106: 2,244,546
111: 2,244,647
139: 2,243,859
191: 2,244,429
251: 2,244,186
210— 54: 2,243,988
62: 2,244,412
67: 2,244,652
130: 2,244,188
131: 2,243,949
2,244,574
134: 2,244,626

211— 35: 2,243,947
212— 8: 2,244,559
213— 4: 2,244,002
214— 75: 2,244,524
145: 2,243,965
215— 22: 2,244,460
46: 2,244,316
2,244,625
216— 29: 2,244,140
219— 4: 2,243,832
2,243,833
2,244,006
2,244,455
2,244,508
8: 2,244,286
19: 2,243,993
26: 2,244,576
32: 2,244,233
2,244,234
2,244,269
38: 2,244,180
39: 2,244,172
44: 2,244,580
220— 9: 2,244,488
44: 2,244,395
63: 2,244,522
221— 1: 2,244,302
60: 2,244,059
2,244,071
223— 76: 2,243,997
2,244,472
78: 2,243,966
91: 2,244,355
229— 2.5: 2,244,486
230— 150: 2,243,874
157: 2,243,899
2,243,901
207: 2,243,898
233— 14: 2,244,034
234— 41.5: 2,244,247
60: 2,244,497
75: 2,244,653
235— 61.8: 2,244,241
2,244,262
61.12: 2,244,231
80: 2,243,884
91: 2,244,417
236— 9: 2,244,631
46: 2,244,584
80: 2,244,555
237— 63: 2,244,237
78: 2,244,017
238— 3: 2,244,117
317: 2,243,830
240— 7.7: 2,244,535
10: 2,244,101
2,244,516
10.1: 2,244,206
52.5: 2,244,288
81: 2,244,298
242— 9: 2,243,837

242— 43: 2,244,290
2,244,492
53: 2,243,964
2,244,119
86: 2,244,541
129: 2,244,619
244— 42: 2,243,885
246— 125: 2,243,971
134: 2,244,401
248— 107: 2,243,870
160: 2,243,912
179: 2,244,409
181: 2,244,089
224: 2,244,624
250— 11: 2,244,628
20: 2,244,066
2,244,639
27: 2,244,318
2,244,495
27.5: 2,243,902
2,244,356
36: 2,244,003
40: 2,243,921
2,244,023
2,244,177
41.5: 2,244,362
93: 2,244,137
141: 2,244,358
152: 2,244,260
157: 2,243,893
164: 2,244,245
251— 125: 2,244,483
137: 2,243,930
252— 33: 2,243,994
47: 2,244,075
51: 2,244,416
64: 2,244,387
175: 2,244,158
253: 2,244,573
313: 2,244,325
253— 66: 2,244,398
69: 2,243,959
117: 2,244,479
254— 10: 2,244,118
152: 2,243,940
167: 2,244,571
168: 2,244,221
255— 1: 2,244,202
1.8: 2,244,476
28: 2,244,104
2,244,124
45: 2,244,127
61: 2,243,998
71: 2,244,537
2,244,617
257— 3: 2,244,551
2,244,634
8: 2,244,319
259— 18: 2,244,195
260— 21: 2,244,283
33: 2,244,183

260— 41: 2,244,020
42: 2,244,184
69: 2,244,289
78: 2,244,192
94: 2,244,021
112: 2,243,871
124: 2,244,410
151: 2,244,293
186: 2,244,340
191: 2,244,339
230: 2,244,295
246: 2,244,294
248: 2,244,421
303: 2,244,655
397.1: 2,244,328
397.5: 2,243,887
429: 2,244,258
449: 2,243,897
2,244,196
460: 2,243,991
485: 2,244,645
2,244,487
486: 2,244,389
505: 2,244,512
564: 2,244,253
570.6: 2,243,977
576: 2,244,174
604: 2,244,210
613: 2,244,308
2,244,309
620: 2,244,244
649: 2,244,284
657: 2,244,324
2,244,629
674: 2,243,873
712: 2,244,654
723: 2,244,616
755: 2,244,263
261— 23: 2,244,519
262— 33: 2,244,198
2,244,199
265— 68: 2,244,621
266— 4: 2,244,056
7: 2,244,035
42: 2,244,079
267— 1: 2,244,274
268— 66: 2,243,914
271— 2.3: 2,244,170
2,244,313
44: 2,244,250
272— 3: 2,243,943
53: 2,244,028
2,244,447
57: 2,244,444
84: 2,244,351
273— 1: 2,244,553
65: 2,244,503
89: 2,244,204
134: 2,244,015
139: 2,244,080
274— 1: 2,244,506

274— 15: 2,244,157
275— 2: 2,244,646
8: 2,243,939
2,243,983
2,244,414
12: 2,243,896
15: 2,243,996
276— 8: 2,243,875
277— 20: 2,243,937
55: 2,244,471
57: 2,244,213
279— 19.3: 2,244,515
280— 41: 2,244,154
2,244,155
44: 2,243,892
54: 2,243,915
80: 2,244,510
281— 18: 2,243,974
20: 2,244,246
29: 2,244,175
285— 20: 2,244,618
90: 2,244,280
170: 2,244,396
286— 11: 2,244,450
287— 119: 2,244,456
288— 5: 2,244,135
27: 2,244,640
290— 2: 2,243,944
291— 3: 2,244,069
292— 18: 2,244,344
101: 2,244,361
211: 2,244,437
285: 2,243,872
356: 2,244,238
293— 55: 2,244,353
294— 25: 2,244,072
65.5: 2,244,371
74: 2,244,533
295— 11: 2,244,633
296— 20: 2,244,122
136: 2,243,981
299— 107.4: 2,244,345
107.6: 2,243,995
2,244,394
140: 2,244,159
301— 9: 2,244,063
2,244,570
37: 2,244,014
302— 49: 2,244,050
303— 28: 2,244,108
304— 10: 2,244,374
308— 6: 2,244,434
36.2: 2,244,054
73: 2,243,961
216: 2,244,197
309— 7: 2,244,166
14: 2,244,008
311— 38: 2,244,036
312— 78: 2,244,581
86: 2,243,889

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,243,842: 73— 51
2,243,843: 8— 114
2,243,877: 8— 114
2,243,896: 275— 12
2,243,904: 129— 28
2,243,917: 57— 140
2,243,919: 144— 7
2,243,956: 197— 169

2,243,962: 110— 101
2,243,994: 252— 312
2,244,024: 170— 18
2,244,068: 132— 35
2,244,069: 291— 3
2,244,088: 137— 68
2,244,103: 106— 30
2,244,115: 197— 63

2,244,139: 170—135.6
2,244,143: 10— 135
2,244,150: 188— 88
2,244,161: 137— 21
2,244,165: 183— 37
2,244,195: 259— 18
2,244,229: 197— 135
2,244,260: 250— 152

2,244,263: 260— 755
2,244,276: 16— 128
2,244,337: 94— 8
2,244,345: 299—107.4
2,244,360: 106— 48
2,244,361: 292— 101
2,244,387: 252— 64
2,244,392: 174— 11

2,244,396: 285— 170
2,244,411: 101— 355
2,244,449: 106— 95
2,244,474: 155— 41
2,244,476: 255— 1.8
2,244,485: 62— 116
2,244,538: 97— 35
2,244,572: 24— 73

2,244,586: 51— 170
2,244,587: 73— 151
2,244,605: 155— 133
2,244,631: 236— 9
2,244,638: 30— 204

U. S. GOVERNMENT PRINTING OFFICE: 1941

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2. 1907]

Abell, Henry C., Asbury Park, N. J. Lock nuts. Serial No. 417,195; June 10. Class 13.

Adams, H. A., & Co., Inc., New York, N. Y. Ladies' and misses' handbags and pocketbooks. Serial No. 443,063; June 10. Class 3.

American Air Filter Company, Inc., Louisville, Ky. Filters for compressed air pipe lines. Serial No. 436,830; June 10. Class 3.

American Steel Wool Mfg. Co. Inc., Long Island City, N. Y. Steel wool. Serial Nos. 442,439-40; June 10. Class 4.

Amsterdam Textiles, Amsterdam, N. Y. Rugs. Serial Nos. 442,819–20; June 10. Class 42.

Amfre Drug Co. Inc., New York, N. Y. Pharmaceutical preparation. Serial No. 442,405; June 10. Class 6.

Anderson Box Company, Indianapolis, Ind. Electric brooders. Serial No. 441,150; June 10. Class 50.

Anderson, Clayton & Co., Houston, Tex. Field and garden seeds. Serial No. 442,183; June 10. Class 1.

Arcy Mfg. Co. (See Windsor, William R. C.)

Arden, Elizabeth, Sales Corporation, New York, N. Y. Deodorant stick. Serial No. 441,804; June 10. Class 6.

Autographic Register Company, Hoboken, N. J. Continuous writing sheets interleaved with carbon sheets. Serial No. 442,385; June 10. Class 37.

Avery, B. F., Sons Company, Louisville, Ky. Binders, cultivators, fertilizer distributors, etc. Serial No. 442,406; June 10. Class 23.

Babs Creations, Inc., New York, N. Y. Rouge, lipstick, sachet, etc. Serial No. 441,991; June 10. Class 6.

Babson Bros. Co., Chicago, Ill. Apparatus and equipment for energizing a fence wire electrically. Serial No. 442,684; June 10. Class 21.

Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mountings. Serial No. 442,545; June 10. Class 26.

Bell Aircraft Corporation, Buffalo, N. Y. Monthly publication. Serial No. 441,079; June 10. Class 38.

Belmar Fashions, Inc., New York, N. Y. Ladies' and misses' dresses. Serial No. 442,097; June 10. Class 39.

Betner, Benj. C., Co., Devon, Pa. Paper bags. Serial No. 437,402; June 10. Class 2.

Black and Decker Manufacturing Company, The, Towson, Md. Electric vacuum cleaners. Serial No. 442,386; June 10. Class 21.

Bordo Products Co., Chicago, Ill. Candy bars. Serial No. 438,645; June 10. Class 46.

Boston Leather Specialties Inc., Everett, Mass. Crib sheets. Serial No. 436,540; June 10. Class 42.

Boston Knitting Mills, Inc., Newton, Mass. All types of pajamas. Serial No. 441,942; June 10. Class 39.

Bradley, Milton, Company, Springfield, Mass. Board game. Serial Nos. 442,547–8; June 10. Class 22.

California Cotton Mills Company, Oakland, Calif. Stemming wads. Serial No. 440,576; June 10. Class 9.

Capewell Manufacturing Company, The, Hartford, Conn. Hack saw blades. Serial No. 441,230; June 10. Class 23.

Capewell Manufacturing Company, The, Hartford, Conn. Hack saw blades. Serial No. 441,807; June 10. Class 23.

Capitol Medicine Company, Montgomery, Ala. Decoction of willow and cherry for the treatment of dysentery, etc. Serial No. 442,387; June 10. Class 6.

Central Tobacco Company Inc., New York, N. Y. Cigarettes. Serial No. 441,724; June 10. Class 17.

Century Distilling Company, Peoria, Ill. Whiskey. Serial No. 441,946; June 10. Class 49.

Chee, Yee D. (See Yim, Yee B.)

Conway, Isaiah, doing business as Conway's Arrowhead Herb Company, Sacramento, Calif. Preparations for the treatment of dysentery, heart ailments, etc. Serial No. 441,727; June 10. Class 6.

Cosmopolitan Watch Material Importing Co. (See Schafran, Herman.)

Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Cutting elements for machine tools and drawing blocks, thread guides and nozzles, etc. Serial No. 426,681; June 10. Class 23.

Distilled Liquors Corporation, New York, N. Y. Whiskey, gin, rum, etc. Serial No. 443,073; June 10. Class 49.

Ditto, Incorporated, Chicago, Ill. Paper. Serial No. 442,522; June 10. Class 37.

Dix, Thomas M., Everett, Mass. Live foxes and fox pelts. Serial No. 442,190; June 10. Class 1.

Dixie Bedding Company, Inc., Greensboro, N. C. Mattresses, studio couches, and upholstered furniture. Serial No. 440,499; June 10. Class 32.

Dressaver Company, Inc., Brooklyn, N. Y. Men's, women's, and children's coats, jackets, and vests, ski suits, etc. Serial No. 441,087; June 10. Class 39.

Drug Products Co., Inc., The, Long Island City, N. Y. Medicinal skin ointment. Serial No. 441,505; June 10. Class 6.

Eastman Kodak Company, Rochester, N. Y. Piece goods. Serial No. 442,692; June 10. Class 42.

Eastman Kodak Company, Rochester, N. Y. Filing boxes. Serial No. 442,830; June 10. Class 2.

Edison General Electric Appliance Company, Inc., Chicago, Ill. Laundry washing machines, ironing machines, and dryers. Serial No. 442,313; June 10. Class 24.

Edison General Electric Appliance Company, Inc., Chicago, Ill. Electric dishwashers. Serial No. 442,314; June 10. Class 21.

Everson, Franklin E., doing business as F. E. Everson, New York, N. Y. Brushless shaving cream. Serial No. 441,862; June 10. Class 4.

Excelled Sheepskin & Leather Coat Co. Inc., New York, N. Y. Leather coats, leather jackets, suede jackets, suede coats, and sheepskin coats and jackets. Serial No. 441,904; June 10. Class 39.

Famous Foods, Inc., Detroit, Mich. Potato chips. Serial No. 439,158; June 10. Class 46.

Farr Bros. Co. Inc., Allentown, Bethlehem, Easton, and Reading, Pa. Boys', girls', misses', children's, and infants' shoes. Serial No. 436,008; June 10. Class 39.

Felters Company, The, Boston, Mass. Heat and sound insulating units. Serial No. 442,414; June 10. Class 12.

Finders Manufacturing Co., Chicago, Ill. Electric table broilers and grills. Serial No. 438,535; June 10. Class 21.

Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. Serial No. 442,953; June 10. Class 42.

Fox Manufacturing Co., Inc., New York, N. Y. Men's and boys' underwear. Serial No. 441,956; June 10. Class 39.

Fraser Manufacturing Co. Inc., New York, N. Y. Crochet and knitting yarn. Serial No. 442,120; June 10. Class 43.

Friedman, David, Inc., New York, N. Y. Housecoats, pajamas, and negligees. Serial No. 442,525; June 10; Class 39.

Gaston Canning Co., Inc., Gaston, Ind. Canned vegetables. Serial No. 441,957; June 10. Class 46.

Gevaert Photo-Producten, Naamlooze Vennootschap (Photo-Produits Gevaert, Société Anonyme-), Cude-God, near Antwerp, Belgium. Sensitized photographic papers, plates, films, etc. Serial No. 440,502; June 10. Class 26.

Gillenwaters, Theodore R., Los Angeles, Calif. Phonographs. Serial No. 442,318; June 10. Class 36.

Goldberg Brothers, Denver, Colo. Moving picture reels. Serial No. 442,261; June 10. Class 26.

Goldberg, S., & Co. Inc., Hackensack, N. J. Boots and shoes. Serial No. 441,958; June 10. Class 39.

Golden Wax Cleanser Company, Clarksville, Tenn. Liquid metal polish. Serial No. 441,906; June 10. Class 4.

Golden Wax Cleanser Company, Clarksville, Tenn. General household cleaning compound. Serial No. 441,907; June 10. Class 4.

Golden Wax Cleanser Company, Clarksville, Tenn. Cleaner for rugs and textile fabrics. Serial No. 441,908; June 10. Class 4.

Goldsmith Bros., New York, N. Y Merchandise tags. Serial No. 442,166; June 10. Class 37.

Goldsmith Bros., New York, N. Y. Shipping tags. Serial No. 442,168; June 10. Class 37.

Guardswell Paint Mfg. Co., Des Moines, Iowa. Paint in paste form. Serial No. 442,064; June 10. Class 16.

Haag Laboratories, Inc., The, Chicago, Ill. Chemically treated polishing cloths. Serial No. 441,162; June 10. Class 4.

Harkins, Robert H., doing business as Nott Manufacturing Company, New York, N. Y. Mice exterminator. Serial No. 442,358; June 10. Class 6.

Heath, L. S., & Sons, Robinson, Ill. Dairy products. Serial No. 442,038; June 10. Class 46.

Heublein, G. F., & Bro., Hartford, Conn. Brandy. Serial No. 443,160; June 10. Class 49.

Huckabee, Thad, Albany, Ga. Pecan nuts in the shell, shelled pecans, and pecan meats. Serial No. 436,869; June 10. Class 46.

Hurdus, Acker and Hirsch, New York, N. Y. Ladies' pocket handkerchiefs. Serial No. 440,249; June 10. Class 39.

Invicta-Seeland, Incorporated, New York, N. Y. Watches, watch cases, watch parts, etc. Serial No. 442,172; June 10. Class 27.

Kaplan Furniture Company, Cambridge, Mass. Bedroom furniture, dining room, living room furniture, etc. Serial No. 430,428; June 10. Class 32.

Kelley, Joseph J., doing business as Kelley Sales Company, Minneapolis, Minn. Herb medicine. Serial No. 441,704; June 10. Class 6.

Kerr Ice Cream Company, The, Cincinnati, Ohio. Ice cream. Serial No. 442,558; June 10. Class 46.

Kingston Clothing Co., Boston, Mass. Men's overcoats and top coats. Serial No. 441,871; June 10. Class 39.

Kohl, William R., Chicago, Ill. Garment storage bags. Serial No. 427,920; June 10. Class 2.
Lawrence, Charles P., Wethersfield, Conn. Writing instruction devices. Serial No. 431,311; June 10. Class 37.
Levin & Co., New York, N. Y. Ladies' and girls' aprons, smocks, housecoats, etc. Serial No. 442,664; June 10. Class 39.
Lion Oil Refining Company, El Dorado, Ark. Lubricating oil. Serial No. 442,198; June 10. Class 15.
Liss, Jack, Corporation, The, New York, N. Y. Sportswear. Serial No. 441,515; June 10. Class 39.
Lorraine Mfg. Co., New York, N. Y. Infants' wear. Serial No. 441,676; June 10. Class 39.
Loumac Mfg. Co. Inc., New York, N. Y. Electric light fixtures. Serial No. 439,601; June 10. Class 21.
Lowe Brothers Company, The, Dayton, Ohio. Color chart directory. Serial No. 439,443; June 10. Class 38.
Luban, William C., doing business as The Luban Co., Tampa, Fla. Orange peel and grapefruit peel. Serial No. 440,011; June 10. Class 46.
Macy, R. H., & Co., Inc., New York, N. Y. Women's and misses' dresses. Serial No. 442,011; June 10. Class 39.
Madieu, Gérard, Monaco, Monaco. Games of skill and games played with movable pieces. Serial No. 396,643; June 10. Class 22.
Maccaferri, Mario, New York, N. Y. Reeds and mouthpieces for musical instruments. Serial No. 442,715; June 10. Class 36.
Manufacturers Chemical Corporation, Jersey City, N. J. Cellulose acetate plastic moulding materials. Serial No. 441,025; June 10. Class 1.
McCurrach Organization Incorporated, New York, N. Y. Men's neckties and mufflers. Serial No. 442,269; June 10. Class 39.
Meletio Sea Food Co., St. Louis, Mo. Food preparation. Serial No. 442,535; June 10. Class 46.
Michael's Cosmetic & Beauty Studio, Los Angeles, Calif. Astringent lotion, bath crystals, beauty pack, etc. Serial No. 433,064; June 10. Class 6.
Modern Products, Inc., New York, N. Y. Automatic electric refrigerator defroster. Serial No. 439,824; June 10. Class 31.
Nachman Springfilled Corporation, Chicago, Ill. Springfilled units for mattresses and upholstery units. Serial No. 443,089; June 10. Class 32.
Nashua Baking Co., Inc., Nashua, N. H. Bread, cake, doughnuts. Serial No. 421,810; June 10. Class 46.
Nekoosa-Edwards Paper Company, Port Edwards, Wis. Wrapping paper. Serial No. 442,202; June 10. Class 37.
Neville & Everett, Scotland Neck, N. C. Powdered compound for use in exterminating lice. Serial No. 441,977; June 10. Class 6.
New Hudson Limited, Birmingham, England. Brakes and parts thereof for motor vehicles. Serial No. 442,013; June 10. Class 19.
Nott Manufacturing Company. (See Harkins, Robert H.)
Ohio Ferro-Alloys Corporation, Philo, Ohio. Ferro-aluminum manganese alloys. Serial No. 442,600; June 10. Class 14.
Olmito Packing Company, Brownsville, Tex Canned fruits, canned vegetables, canned tomatoes, etc. Serial No. 441,684; June 10. Class 46.
Oneida Paper Products, Inc., New York, N. Y. Cellulose film, glassine, or paper bags. Serial No. 442,874; June 10. Class 2.
O'Neill, Gordon, Co., Inc., Jersey City, N. J. Brandy. Serial No. 441,132; June 10. Class 49.
Ped-O-Sav Co. (See Ross, Alan W.)
Pharis Tire and Rubber Company, The, Newark, Ohio. Rubber and rubber containing pneumatic tires. Serial No. 443,134; June 10. Class 35.
Piper, Florence G., Los Angeles, Calif. Creme for the feet. Serial No. 441,410; June 10. Class 6.
Proctor & Gamble Company, The, Cincinnati, Ohio. Shampoo. Serial No. 442,852; June 10. Class 6.
Protozyme Laboratories, Inc., Detroit, Mich. Preparation for intravenous injection. Serial No. 439,630; June 10. Class 6.
Rain-O-Shine Chemical Company. (See Wojnowski, S.)
Ramirez, Victor M., doing business as V. M. Ramirez y Cia, Mayaguez, P. R. Distilled alcoholic liqueur. Serial No. 437,574; June 10. Class 49.
Rare Chemicals, Inc., Flemington, N. J. Salicylic-acid ester of salicylic acid. Serial No. 440,174; June 10. Class 6.
Recorg Supply Corporation, Chicago, Ill. Canned vegetables, fruits, soups, evaporated milk, etc. Serial No. 431,326; June 10. Class 46.
Reserve Research Company, The, Cleveland, Ohio. Medicinal preparation. Serial No. 442,334; June 10. Class 6.
Rosenbaum, Daniel, Wilmington, Del. Cardboard, fiberboard, plywood, and/or metal rug containers. Serial No. 442,723; June 10. Class 2.
Ross, Alan W., doing business as Ped-O-Sav Co., Montclair, N. J. Preparation for the treatment of athlete's foot or other infections. Serial No. 441,375; June 10. Class 6.
Rubino, Charles E., Chicago, Ill. Feature in the nature of a puzzle. Serial No 439,781; June 10. Class 38.
Ryser Bros., Chicago, Ill. Cheese. Serial No. 441,749; June 10. Class 46.
San Fernando Citrus Association, San Fernando, Calif. Fresh citrus fruit. Serial No. 441,979; June 10. Class 46.
Santiam Mfg. Company, Salem, Oreg. Waffle lifter. Serial No. 442,465; June 10. Class 23.
Sayour, Elias, Co. Inc., New York, N. Y. Ladies' and misses' housecoats. Serial No. 439,667; June 10. Class 39.
Schaeffer Garment Co., Cincinnati, Ohio. Children's and little misses' coats, suits, and dresses. Serial No. 441,415; June 10. Class 39.
Schafram, Herman, doing business as Cosmopolitan Watch Material Importing Co., New York, N. Y. Jewelers' instruments—namely, tweezers. Serial No. 442,605; June 10. Class 23.
Schiaparelli, Elsa, Inc., New York, N. Y. Women's and misses' dresses, gowns, dressing gowns, etc. Serial No. 441,376; June 10. Class 39.
Schlang, Charles, New York, N. Y. Cardboard containers. Serial No. 442,498; June 10. Class 2.
Schlitz, Thomas R., Newark, N. J. Cigar holder. Serial No. 442,370; June 10. Class 8.
Schneierson, I., & Sons, Inc., New York, N. Y. Nurses', beauticians', waitresses' uniforms, and princess slips, chemises, bloomers, and step-ins. Serial No. 435,954; June 10. Class 39.
Schwartz, Charles, & Co., Chicago, Ill. Towels. Serial No. 442,980; June 10. Class 42.
Sclafani, Gus, Stamford, Conn. Canned fruits and canned vegetables, canned fish, etc. Serial No. 440,472; June 10. Class 46.
Sealco Inc., New York, N. Y. Dressed fur skins and dyed fur skins. Serial No. 442,052; June 10. Class 2.
Seminole Flavor Company, Chattanooga, Tenn. Carbonated, non-alcoholic, maltless beverages. Serial No. 433,993; June 10. Class 45.
Sems Company, Inc., Stamford, Conn. Preparation for the treatment of colds. Serial No. 441,552; June 10. Class 6.
Simonds Machine Company, Inc., Southbridge, Mass. Ophthalmic machinery comprising lens grinding machines, etc. Serial No. 441,417; June 10. Class 23.
Smith, Kline & French Laboratories, Philadelphia, Pa. General tonic. Serial No. 441,980; June 10. Class 6.
Snug-Fit Foundations Inc., New York, N. Y. Brassières, bandeaux, and foundation garments. Serial No. 425,031; June 10. Class 39.
Southland Wine Corporation, Richmond, Va. Wines. Serial No. 439,782; June 10. Class 47.
Stetson, John B., Company, Philadelphia, Pa. Hats and caps. Serial No. 442,078; June 10. Class 39.
Strauch, Ella M., Denver, Colo. Salad dressing. Serial No. 442,290; June 10. Class 46.
Sun Import Co., Inc., New York, N. Y. Slide fasteners. Serial No. 441,884; June 10. Class 13.
3 Beall Brothers 3, Jacksonville, Tex. Sheets, sheeting, and pillow cases. Serial No. 433,037; June 10. Class 42.
Treinis Brothers, Inc., Brooklyn, N. Y. Knitted bags. Serial No. 442,739; June 10. Class 2.
United Music Company, Inc., New York, N. Y. Musical Instruments, supplies, and accessories, etc. Serial No. 440,076; June 10. Class 36.
U. S. Week Inc., Milwaukee, Wis. Weekly news magazine. Serial No. 441,796; June 10. Class 38.
Vanity Fair Silk Mills, Reading, Pa. Men's, women's, and children's underwear and sleeping garments. Serial No. 442,150; June 10. Class 39.
Ventura Coastal Lemon Company, Ventura, Calif. Lemons. Serial Nos. 441,651–2; June 10. Class 46.
Westgate Sea Products Co., San Diego, Calif. Canned fish. Serial No. 437,588; June 10. Class 46.
Western Auto Supply Company, Kansas City, Mo. Filtering unit or cartridge for automobiles, or other internal combustion engines. Serial No. 442,616; June 10. Class 23.
Westinghouse X-ray Company, Inc., Long Island City, N. Y., assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Apparatus employed for the purpose of making radiographic and fluoroscopic diagnostic examinations. Serial No. 437,393; June 10. Class 44.
Windsor, William R. C., doing business as Arcy Mfg. Co., New York, N. Y. Asbestos packing for stuffing boxes. Serial No. 442,815; June 10. Class 35.
Wojnowski, Stephen, doing business as Rain-O-Shine Chemical Company, Highland Park, Mich. Oil paint. Serial No. 440,300; June 10. Class 16.
Yim, Yee B., doing business as Yee Dai Chee, San Francisco, Calif. Liniment for relief of pain from rheumatism. Serial No. 441,596; June 10. Class 6.
Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. Serial No. 442,472; June 10. Class 21.
Zenith Radio Corporation, Chicago, Ill. Sound record making and playing and talking machines, etc. Serial No. 442,473; June 10. Class 36.
Zenith Radio Corporation, Chicago, Ill. Sound record making and playing talking machines, etc. Serial No. 442,475; June 10. Class 36.

LIST OF REGISTRANTS OF TRADE-MARKS

Aarons, J. M. (See Excello Manufacturing Company, The, assignor.)
Acme Steel Company, Chicago, Ill. Wire stitching machines. 387,962; June 10; Serial No. 433,846; published Apr. 1, 1941. Class 23.
Advance Aluminum Castings Corp., Chicago, Ill. Cooking utensils. 387,960; June 10; Serial No. 433,467; published Apr. 1, 1941. Class 13.
Aktienselskapet Union (Union Co.). (See Union Company.)
Albi Chemical Corporation, New York, N. Y. Chemical compounds. 388,081; June 10; Serial No. 439,955; published Apr. 1, 1941. Class 6.
Allied Paper Bag Corporation, Baltimore, Md. Cellophane bags. 387,932; June 10; Serial No. 424,287; published Apr. 1, 1941. Class 2.
Alvarez, Inocencio, assignor to Sociedad Anónima Roneo y Fábrica de Tabacos, Habana, Cuba. Cigars. 19,936; re-renewed July 28, 1941.
Alvarez, Inocencio, assignor to Sociedad Anónima Romeo y Julieta Fábrica de Tabacos, Habana, Cuba. Cigars. 19,947; re-renewed July 28, 1941.
Alvarez, Ynocencio, assignor to Sociedad Anónima Romeo y Julieta Fábrica de Tabacos, Habana, Cuba. Cigars. 19,585; re-renewed May 26, 1941.
American Anode Inc., Wilmington, Del., and Akron, Ohio. Aqueous dispersions of synthetic rubber compounds. 388,131; June 10; Serial No. 440,769; published Apr. 1, 1941. Class 6.
American Glue Company, Boston, Mass., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Flint, garnet, and emery paper. 144,159; renewed June 28, 1941.
American Spectacle Co., Inc., New York, N. Y. Spectacles and goggles and lenses therefor. 388,088; June 10; Serial No. 440,034; published Apr. 1, 1941. Class 26.
Antonucci, Benedict M., Youngstown, Ohio. Appetizer-laxative tonic. 388,104; June 10; Serial No. 440,232; published Apr. 1, 1941. Class 6.
Arango y Arango, Tampa, Fla. Cigars. 387,993; June 10; Serial No. 437,494; published Apr. 1, 1941. Class 17.
Archer-Daniels-Midland Company, Minneapolis, Minn. Soybean and linseed oil used in paints and varnishes. 388,069; June 10; Serial No. 439,790; published Apr. 1, 1941. Class 16.
Archer-Daniels-Midland Company, Minneapolis, Minn. Soybean and linseed oils for use in paints, enamels, and varnishes. 388,154; June 10. Class 16.
Arnold, F. R., & Co., New York, N. Y., assignor to Dorin, Inc., New York, N. Y. Rouge. 146,945; renewed Sept. 27, 1941.
Artkraft Sign Company, The, Lima, Ohio. Frameworks for display signs or any other structures containing metal parts welded together. 387,979; June 10; Serial No. 436,558; published Apr. 1, 1941. Class 12.
Atkins, E. C., and Company, Indianapolis, Ind. Hack saw blades. 388,082; June 10; Serial No. 439,957; published Apr. 1, 1941. Class 23.
Babson Bros. Co., Chicago, Ill. Liquid fly spray or insecticide. 388,024; June 10; Serial No. 439,187; published Mar. 25, 1941. Class 6.
Baltimore Shirt Co. (See Zalis, Samuel.)
Banks, Olivette M., doing business as Seven Star Botanic Drugs, Pasadena, Calif. Tonics for the relief of rheumatic pains in the back and kidneys, etc. 388,089; June 10; Serial No. 440,036; published Apr. 1, 1941. Class 6.
Basic Foods Sales Corp., Jersey City, N. J. Icing for cakes and cookies. 387,953; June 10; Serial No. 432,293; published Apr. 1, 1941. Class 46.
Bates, Hamilton C., doing business as C. J. Bates & Son, Chester, Conn. Crochet hooks and knitting needles. 388,044; June 10; Serial No. 439,532; published Apr. 1, 1941. Class 40.
Beacon Chemical Corporation, Philadelphia, Pa. Bleach, germicide, and disinfectant. 388,093; June 10; Serial No. 440,081; published Apr. 1, 1941. Class 6.
Beal's Games, Inc., New York, N. Y. Game played with paddles and a shuttlecock. 388,132; June 10; Serial No. 440,771; published Apr. 1, 1941. Class 22.
Beam, James B., Distilling Co., Incorporated, Clermont Ky. Whiskey. 388,151; June 10. Class 49.
Behn, Arnold G., Arlington, N. J. Boots, shoes, and slippers of leather, fabric, and/or combinations thereof. 388,153; June 10. Class 39.
Best Foods, Inc., The. (See Nucoa Butter Company, The, assignor.)
Bestform Foundations, Inc., New York, N. Y. Brassières, bandeaux and foundation garments. 388,062; June 10; Serial No. 439,682; published Mar. 18, 1941. Class 39.
Bienen-Davis, Inc., New York, N. Y. Pocketbooks, bags, and purses. 388,034; June 10; Serial No. 439,403; published Apr. 1, 1941. Class 3.
Bitco, Inc., Wallace, Idaho. Drill bit gauges, drill bit gauging machinery, drill gauges, etc. 388,083; June 10; Serial No. 439,991; published Apr. 1, 1941. Class 26.
Blackstaff Flax Spinning & Weaving Co., Limited, Belfast, Ireland, The, to The Blackstaff Flax Spinning & Weaving Co., Ltd., Belfast, Northern Ireland. Threads of flax, hemp, tow, etc. 144,350; renewed July 5, 1941.
Blackstaff Flax Spinning and Weaving Company, Limited, The, assignor to The Blackstaff Flax Spinning & Weaving Co., Ltd., Belfast, Northern Ireland. Threads of flax, hemp, tow, and ramie or Chine-grass. 145,043; renewed July 26, 1941.
Blaich, Adolph, Inc., San Francisco, Calif. Fishing lines. 387,973; June 10; Serial No. 436,334; published Apr. 1, 1941. Class 22.
Bohannan, Wilson, Inc., Brooklyn, N. Y., to The Wilson Bohannan Company, Marion, Ohio, successor. Locks. 144,175–6; renewed June 28, 1941.
Bonwit Teller, Inc., New York, N. Y. Blouses, sweaters, dresses, etc 387,938; June 10; Serial No 427,457; published Mar. 25, 1941. Class 39.
Borden Company, The, New York, N. Y. Process American cheese. 388,048; June 10; Serial No. 439,578; published Apr. 1, 1941. Class 46.
Borden Company, The, New York, N. Y. Process brick cheese. 388,049–50; June 10; Serial Nos. 439,580–1; published Apr. 1, 1941. Class 46.
Borden Company, The, New York, N. Y. Process pimento cheese. 388,051–3; June 10; Serial Nos. 439,582–4; published Apr. 1, 1941. Class 46.
Bradley, Milton, Company, Springfield, Mass. Table game. 388,094; June 10; Serial No. 440,111; published Apr. 1, 1941. Class 22.
Brecht Candy Co., The, Denver, Colo. Candies. 145,539; renewed Aug. 9, 1941.
Brown, Milton, doing business as Lactra Tooth Paste Co., New York, N. Y. Tooth paste and tooth powder. 388,117; June 10; Serial No. 440,543; published Apr. 1, 1941. Class 6.
Brown & Bigelow, St. Paul, Minn. Calendars. 387,935; June 10; Serial No. 426,432; published Mar. 25, 1941. Class 38.
Bryan, William E., doing business as Weather Seal Company, Cincinnati, Ohio. Waterproofing compounds for water-proofing brick and masonry work. 388,173; June 10. Class 12.
Buckingham & Hecht, San Francisco, Calif. Boots and shoes. 388,066; June 10; Serial No. 439,747; published Apr. 1, 1941. Class 39.
Burrough Bros. Mfg. Company, Baltimore, Md., and Cleveland, Ohio. Preparation for use as a digestant and adjuvant. 387,943; June 10; Serial No. 429,026; published Mar. 25, 1941. Class 6.
Bushee, John P., East Grand Forks, Minn. Potatoes. 388,020; June 10; Serial No. 438,975; published Apr. 1, 1941. Class 46.
Callaway, William C., Sierra Madre, Calif. Knockdown and portable houses. 388,139; June 10. Class 12.
Campos y Quebrachales Puerto Sastre S. A., Buenos Aires, Argentina. Tanning extracts and substances. 387,928; June 10; Serial No. 419,073; published Oct. 17, 1939. Class 6.
Carborundum Company, The. (See American Glue Company, assignor.)
Carr, Adams & Collier Company, Dubuque, Iowa. Building and roofing paper and fabricated woodwork. 388,175; June 10. Class 12.
Carson Pirie Scott & Company, Chicago, Ill. Mirror and picture cords. 388,022; June 10; Serial No. 439,095; published Apr. 1, 1941. Class 7.
Cash, Mary L., doing business as Senatine Medicine Company, Mobile, Ala. Laxative. 387,971; June 10; Serial No. 436,202; published Mar. 25, 1941. Class 6.
Celanese Corporation of America, New York, N. Y. Piece goods. 388,098–101; June 10; Serial Nos. 440,145–8; published Apr. 1, 1941. Class 42.
Charmette Fabrics Co., Inc., New York, N. Y. Cloth in the piece. 388,090; June 10; Serial No. 440,041; published Apr. 1, 1941. Class 42.
Chemical, H. M., Co., Ltd., Los Angeles, Calif. Cosmetics. 387,949; June 10; Serial No. 430,832; published Apr. 1, 1941. Class 6.
Chicago Railway Equipment Company. (See Marion Malleable Iron Works.)
Chicopee Sales Corporation, New York, N. Y. Textile diapers. 387,983; June 10; Serial No. 437,056; published Mar. 18, 1941. Class 39.
Christensen, Geneva B., New Rochelle, N. Y. Illuminated lockets, brooches, and pendants. 387,996; June 10; Serial No. 437,555; published Mar. 25, 1941. Class 28.
Climax Molybdenum Company, New York, N. Y. Books, pamphlets, and circulars. 388,035; June 10; Serial No. 439,409; published Mar. 25, 1941. Class 38.
Clowood Company. (See Woodward, H. L., and P. I. and L. Clough.)

Cole of California, Inc., Los Angeles, Calif. Men's, women's, and children's clothing. 388,170; June 10. Class 39.
Coleman, William B., deceased, Bloomfield, N. J.; L. W. Coleman, administratrix. Medicinal preparation in the form of candy-like bodies. 387,952; June 10; Serial No. 431,992; published Apr. 1, 1941. Class 6.
Colonial Works, Brooklyn, N. Y. Paints, varnishes, putty, etc. 141,902; renewed May 3, 1941.
Colordination Group, Inc., New York, N. Y. Coats, suits dresses, etc. 387,939 40; June 10; Serial Nos. 427,497–8; published Mar. 25, 1941. Class 39.
Colvin, Ralph M., doing business as The Colvin Drug Company, Baltimore, Md. Medicinal and pharmaceutical preparations. 387,985; June 10; Serial No. 437,124; published Mar. 25, 1941. Class 6.
Connell, J. C., doing business as Rio Grande Citrus Distributors, Alamo, Tex. Citrus products, canned citrus fruit and juices. 387,936; June 10; Serial No. 426,482; published July 9, 1940. Class 46.
Consolidated Royal Chemical Corporation, Chicago, Ill. Lighter fluid. 388,123; June 10; Serial No. 440,644; published Apr. 1, 1941. Class 6.
Coper-Cel Corporation, New York, N. Y. Roofing and siding. 388,157; June 10. Class 12.
Crawford, Carol, Inc., New York, N. Y. Dresses and play suits. 388,006; June 10; Serial No. 438,502; published Mar. 25, 1941. Class 39.
Deary and Deary, Wallingford, Conn. Eye drops. 387,934; June 10; Serial No. 425,988; published Mar. 25, 1941. Class 6.
Desoto Chemical Company, Arcadia, Fla. Preparation to be used for the extermination of roaches, silver-fish, etc. 387,988; June 10; Serial No. 437,274; published Mar. 25, 1941. Class 6.
Dorin, Inc. (See Arnold, F. R., & Co., assignor.)
Dorset Foods, Ltd., New York, N. Y. Food products, specifically chicken a la king, cream vichyssoise soup, bisque of lobster, etc. 388,160; June 10. Class 46.
Dorval Chemical Company, Brooklyn, N. Y. Medicine to aid digestive disturbances. 387,974; June 10; Serial No. 436,422; published Mar. 25, 1941. Class 6.
Dow Chemical Company, The Midland, Mich. Preparation to control the preharvest drop of apples. 387,975; June 10; Serial No. 436,423; published Mar. 25, 1941. Class 6.
Dry Placer Machine Company. (See Nolté, Otto C.)
Easterbrook, Allcard & Co. Limited, Sheffield, England. Certain steels and steel in forms. 141,829; renewed May 3, 1941.
Easterbrook, Allcard & Co. Limited, Sheffield, England. Certain tools for hand and machine use. 144,382; renewed July 5, 1941.
Edison Brothers Stores, Inc., St. Louis, Mo. Shoes. 388,037; June 10; Serial No. 439,461; published Apr. 1, 1941. Class 39.
Ellena Brothers, Etiwanda, Calif. Wines. 388,164; June 10. Class 47.
Engel, Bauer & Co., Inc., New York, N. Y. Ladies' collar and cuff sets, cuffs, jabots, etc. 388,150; June 10. Class 39.
Essley Shirt Company, Inc., New York, N. Y. Pajamas. 388,115; June 10; Serial No. 440,411; published Apr. 1, 1941. Class 39.
Excello Manufacturing Company, The, assignor to J. M. Aarons, Cleveland, Ohio. Boiler-setting cement and glass-setting cement or cement putty. 145,093; renewed July 26, 1941.
Farr Company, The, Greeley, Colo. Lime sulphur solution. 388,105; June 10; Serial No. 440,238; published Apr. 1, 1941. Class 6.
Filene's, Wm., Sons, Company, Boston, Mass. Certain articles of clothing. 146,223; renewed Sept. 6, 1941.
Filice and Perrelli Canning Company, Incorporated, Richmond, Calif. Canned fruits, canned vegetables, canned fruit and vegetable juices, etc. 387,961; June 10; Serial No. 433,561; published Apr. 1, 1941. Class 46.
Finch, Percy R., Chicago, Ill. Mufflers, noise eliminators, and devices for controlling exhaust, etc. 387,937; June 10; Serial No. 427,198; published Apr. 1, 1941. Class 23.
Fishery Reporter Company, The, Philadelphia, Pa. Weekly newspaper. 388,042; June 10; Serial No. 439,513; published Apr. 1, 1941. Class 38.
Foley and Company, Chicago, Ill. Insect repellent and sunburn preventive. 388,133; June 10; Serial No. 440,780; published Apr. 1, 1941. Class 6.
Foxx Company, The, New York, N. Y. Bottled medical preparation for relief of athlete's foot. 387,991; June 10; Serial No. 437,369; published Mar. 25, 1941. Class 6.
Franc, Strohmenger & Cowan, Inc., Troy, N. Y. Neckties. 387,998; June 10; Serial No. 437,817; published Mar. 18, 1941. Class 39.
Freeman Shoe Corporation, Beloit, Wis. Boots and shoes. 387,976; June 10; Serial No. 436,467; published Apr. 1, 1941. Class 39.
Friedman, Percy, Yeadon, Pa. Question and answer game. 388,108; June 10; Serial No. 440,286; published Apr. 1, 1941. Class 22.
Garrick, Marcia, New City, N. Y. Spices, herbs for culinary purposes, etc. 387,965; June 10; Serial No. 434,560; published Apr. 1, 1941. Class 46.
General Dyestuff Corporation, New York, N. Y. Preparations used for softening and dressing textile materials. 388,008; June 10; Serial No. 438,540; published Mar. 25, 1941. Class 6.
General Motors Corporation, Detroit, Mich. Accessory devices used with internal combustion engines. 388,148; June 10. Class 23.
General Register Corporation, New York, N. Y. Ticket and coupon issuing machines, slot vending machines. 388,084; June 10; Serial No. 440,002; published Apr. 1, 1941. Class 23.
Gibson Electric Refrigerator Corporation, Greenville, Mich. Refrigerator cabinets. 388,177; June 10. Class 31.
Givaudan-Delawanna, Inc., New York, N. Y. Odoriferous liquid material, odorant for textile goods. 388,016; June 10; Serial No. 438,935; published Mar. 25, 1941. Class 6.
Gonczi, Sophie, New York, N. Y. Reserve compartment trays for refrigerators. 388,073; June 10; Serial No. 439,866; published Apr. 1, 1941. Class 31.
Goodall Worsted Company, Sanford, Maine. Piece goods. 388,070; June 10; Serial No. 439,811; published Apr. 1, 1941. Class 42.
Goodman, H., Inc., Cleveland, Ohio. Mattresses, box springs, and studio couches. 388,106; June 10; Serial No. 440,244; published Apr. 1, 1941. Class 32.
Goodyear Footwear Corporation, Providence, R. I. Rubber, canvas, and leather footwear. 388,140; June 10. Class 39.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Composition containing no rubber for waterproofing fabrics. 387,984; June 10; Serial No. 437,063; published Mar. 25, 1941. Class 6.
Gossard, H. W., Co., The, Chicago, Ill. Corsets, girdles, step-in corsets, etc. 388,058; June 10; Serial No. 439,651; published Apr. 1, 1941. Class 39.
Gotham Silk Hosiery Company, Inc., New York, N. Y. Hosiery. 388,095–6; June 10; Serial Nos. 440,123–4; published Apr. 1, 1941. Class 39.
Grand Rapids Furniture Makers Guild, Grand Rapids, Mich. Wood and upholstered furniture. 388,121; June 10; Serial No. 440,624; published Apr. 1, 1941. Class 32.
Grasso, Salvatore, Syracuse, N. Y. Medicinal preparation. 388,074; June 10; Serial No. 439,868; published Mar. 25, 1941. Class 6.
Gray Company, Incorporated, Minneapolis, Minn. Solvent in the form of a liquid. 388,122; June 10; Serial No. 440,625; published Mar. 25, 1941. Class 6.
Gredag Corporation, Niagara Falls, N. Y. Motor oils and graphited oils. 388,007; June 10; Serial No. 438,510; published Mar. 25, 1941. Class 15.
Grosner, Clarence W., assignor to Raleigh Haberdasher, Inc., Washington, D. C. Certain articles of clothing. 143,030; renewed May 24, 1941.
Gruber, William J., New Orleans, La. Sandwiches, pickle relish, mayonnaise, etc. 387,997; June 10; Serial No. 437,620; published Apr. 1, 1941. Class 46.
Haas Brothers, San Francisco, Calif. Canned fruit juices, berry juices, and vegetable juices. 388,076; June 10; Serial No. 439,896; published Apr. 1, 1941. Class 46.
Haas Brothers Fabrics Corporation, New York, N. Y. Silk, artificial silk, woolen, cotton, and linen fabrics in the piece. 142,554; renewed May 17, 1941.
Haas-Miller Corp., Philadelphia, Pa. Compound used for softening, filling and weighting of cotton fabrics. 388,119; June 10; Serial No. 440,590; published Apr. 1, 1941. Class 6.
Hamburger, Frank M., doing business as Frank Hamburger Co., New York, N. Y. Piece goods made of cotton, rayon, worsted, and acetate. 388,152; June 10. Class 42.
Hammond Bag & Paper Co., Wellsburg, W. Va. Bags made from paper or other sheet material. 388,116; June 10; Serial No. 440,507; published Apr. 1, 1941. Class 2.
Hamrah, Elias A., doing business as Alex J. Hamrah Sons Co., New York, N. Y. Towels. 388,102; June 10; Serial No. 440,160; published Apr. 1, 1941. Class 42.
Harzfeld's, Inc. (See Parisian Cloak Co.)
Havig, Henry Mangus, Grand Forks, N. Dak. Men's clothing such as suits, overcoats, hats, etc. 388,165; June 10. Class 39.
Hayman, Donald C., Uniontown, Pa. Newspaper column. 388,059; June 10; Serial No. 439,655; published Apr. 1, 1941. Class 38.
Hecker Cereal Company, assignor, by mesne assignments, to Standard Milling Company, New York, N. Y. Prepared cake-flour. 143,639; renewed June 7, 1941.
Hicks, May W., Rocky Mount, N. C. Medicinal compound. 388,001; June 10; Serial No. 438,133; published Mar. 25, 1941. Class 6.
Hoffman, J. L., Company, Inc., Allentown, Pa. Chemical mixture. 388,120; June 10; Serial No. 440,592; published Apr. 1, 1941. Class 6.
Hollywood Star, The, New York, N. Y. Tabloid news paper. 388,033; June 10; Serial No. 439,396; published Apr. 1, 1941. Class 38.
Horlick's Malted Milk Corporation, Racine, Wis. Malted milk. 388,029; June 10; Serial No. 439,342; published Apr. 1, 1941. Class 46.

Hotcan Corporation, Los Angeles, Calif. Receptacles. 387,970; June 10; Serial No. 435,617; published Apr. 1, 1941. Class 2.
Hubbuck, Thomas, & Sons, Limited, London, England. Certain named paints and pigments. 144,904; renewed July 19, 1941.
Huiskamp Brothers Co., Keokuk, Iowa. Shoes. 388,060; June 10; Serial No. 439,656; published Apr. 1, 1941. Class 39.
International Paper Company, New York, N. Y. Printing paper. 388,013; June 10; Serial No. 438,806; published Apr. 1, 1941. Class 37.
Ising, C. E., Corporation, The, to The C. E. Ising Corporation, Flushing, N. Y. Certain named chemicals, medicines, and pharmaceutical preparations. 141,980; renewed May 3, 1941.
Jacoby-Bender, Inc., New York, N. Y. Watch bracelets. 388,067; June 10; Serial No. 439,755; published Mar. 25, 1941. Class 28.
Jessop Steel Company, Washington, Pa. Tool steel, cutlery steel, stainless and alloy steel, etc. 387,989; June 10; Serial No. 437,281; published Apr. 1, 1941. Class 14.
Joint Board of Fulton County, Gloverville, N. Y. Ladies' and men's gloves of leather. 388,135; June 10. Class 39.
Kadin Brothers Incorporated, New York, N. Y. Handbags. 388,176; June 10. Class 3.
Kahn Mfg. Co., Mobile, Ala. Suits and trousers. 388,017; June 10; Serial No. 438,948; published Apr. 1, 1941. Class 39.
Kamber & Masket, Inc., New York, N. Y. Sportswear. 388,068; June 10; Serial No. 439,776; published Apr. 1, 1941. Class 39.
Kayatta, Joseph P., Providence, R. I. Medicinal preparation taken as a tonic. 146,111; renewed Aug. 30, 1941.
Kellogg Toasted Corn Flake Co., assignor to Kellogg Company, Battle Creek, Mich. Cereal breakfast food. 145,422; renewed Aug. 2, 1941.
Kellogg Toasted Corn Flake Co., assignor to Kellogg Company, Battle Creek, Mich. Cereal breakfast foods. 147,454–5; renewed Oct. 18, 1941.
Kellogg Toasted Corn Flake Co., assignor to Kellogg Company, Battle Creek, Mich. Peanut-butter. 147,456; renewed Oct. 18, 1941.
Kellogg Toasted Corn Flake Co., assignor to Kellogg Company, Battle Creek, Mich. Tea and coffee. 147,457; renewed Oct. 18, 1941.
Kellogg Toasted Corn Flake Co., assignor to Kellogg Company, Battle Creek, Mich. Flaked cereal foods. 147,458; renewed Oct. 18, 1941.
Kentucky Whip & Collar Company, Inc., The, Princeton, Ky. Horse collars and harness. 388,077; June 10; Serial No. 439,899; published Apr. 1, 1941. Class 3.
Keuffel & Esser Company, Hoboken, N. J. Tracing paper. 388,014; June 10; Serial No. 438,844; published Apr. 1, 1941. Class 37.
Keystone Lubricating Company, Philadelphia, Pa. Lubricants, comprising oils and greases. 388,075; June 10; Serial No. 439,870; published Apr. 1, 1941. Class 15.
Keystone Steel & Wire Company, Peoria, Ill. Woven wire lath. 388,142; June 10. Class 12.
Kimball, C. M., Co., Everett, Mass. Bottled liquid, which when sprayed into the air, deodorizes the same. 388,145; June 10. Class 6.
Kimball, J. H., Inc., New York, N. Y. Handkerchiefs. 388,078; June 10; Serial No. 439,900; published Mar. 25, 1941. Class 39.
Kimberly-Clark Corporation, Neenah, Wis. Shoe counter material in the nature of artificial leather. 388,043; June 10; Serial No. 439,516; published Apr. 1, 1941. Class 50.
King Candy Company, Fort Worth, Tex. Candy. 146,788; renewed Sept. 20, 1941.
Kohnstamm, H., & Co., assignor to H. Kohnstamm & Co. Inc., New York, N. Y. Coal-tar colors. 147,122–3; renewed Oct. 4, 1941.
Korn, David, & Co. Inc., New York, N. Y. Ladies' apparel comprising slips, chemises, dance sets, etc. 388,149; June 10. Class 39.
Kraus Bros. & Co., Inc., New York, N. Y. Alcoholic bitters. 387,959; June 10; Serial No. 433,253; published Apr. 1, 1941. Class 49.
Kronfeld, Philip, Inc., New York, N. Y. Overcoats, sport coats, suits, etc. 388,032; June 10; Serial No. 439,391; published Mar. 25, 1941. Class 39.
Kurtz Bros., Inc., Clearfield, Pa. Pencil tablets, composition books, spelling blanks, etc. 387,982; June 10; Serial No. 437,040; published Apr. 1, 1941. Class 37.
Lactra Tooth Paste Co. (See Brown, Milton.)
Lady Esther, Ltd., Chicago, Ill. Nail polish or nail enamel. 387,987; June 10; Serial No. 437,204; published Mar. 25, 1941. Class 6.
Lampidis, Victoria, Union City, N. J. Art work sets. 388,141; June 10. Class 40.
Lansburgh & Bro., Washington, D. C. Sheets, pillow cases, blankets, etc. 388,079; June 10; Serial No. 439,935; published Apr. 1, 1941. Class 42.
La Salle Hat Company, The, Philadelphia, Pa. Men's and boys' hats and caps. 387,948; June 10; Serial No. 430,690; published June 18, 1940. Class 39.
Leggett, Francis H., & Company, New York, N. Y. Canned tuna fish and salmon. 387,994; June 10; Serial No. 437,519; published Apr. 1, 1941. Class 46.
Lenz, Otto A., doing business as No-Ti-Bibs Company, Minneapolis, Minn. Children's bibs or similar articles that fasten around the neck of a person. 388,147; June 10. Class 39.
Liberty Baking Co., Pittsburgh, Pa. Bread. 141,404; renewed Apr. 19, 1941.
Lilly, Eli, and Company, The, by change of name to Eli Lilly and Company, Indianapolis, Ind. Certain named medicinal preparations. 144,210; renewed June 28, 1941.
Lily of France Corset Company, Inc., New York, N. Y. Corsets, girdles, and corselets. 388,018; June 10; Serial No. 438,952; published Mar. 25, 1941. Class 39.
Lindfelt Manufacturing Co., Des Moines, Iowa. Cloth or fabric gloves or mittens. 388,144; June 10. Class 39.
Linen Thread Co., Inc., The, New York, N. Y. Tennis nets and the cable receiving top bands or bindings of tennis nets. 388,113; June 10; Serial No. 440,373; published Apr. 1, 1941. Class 22.
Lord & Taylor, New York, N. Y. Slips, petticoats, camisoles, etc. 387,929; June 10; Serial No. 419,584; published Mar. 18, 1941. Class 39.
Marion Malleable Iron Works, The, Marion, Ind., to Chicago Railway Equipment Company, Chicago, Ill., successor. Malleable-iron castings. 142,301; renewed May 10, 1941.
May Knitting Co., Inc., New York, N. Y. Sweaters, bathing-suits, dresses, and skirts. 147,357; renewed Oct. 11, 1941.
McCray Refrigerator Company, Kendallville, Ind. Refrigerator coils. 388,125; June 10; Serial No. 440,691; published Apr. 1, 1941. Class 31.
Menich, Harry P., Topeka, Kans. Medicine for use in the treatment of eczema, skin cancer, etc. 388,110; June 10; Serial No. 440,338; published Apr. 1, 1941. Class 6.
Men's Wear Sales Corp., New York, N. Y. Men's and boys' hats, suits, overcoats, trousers, knickers, etc. 387,986; June 10; Serial No. 437,140; published Mar. 18, 1941. Class 39.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Acid neutralizing astringent and hematinic. 388,134; June 10; Serial No. 440,827; published Apr. 1, 1941. Class 6.
Merz & Co. Chemical Works, Inc., East Orange, N. J. Analgesic and sedative tablet. 388,126; June 10; Serial No. 440,696; published Apr. 1, 1941. Class 6.
Merz & Co. Chemical Works, Inc., East Orange, N. J. Antidiarrhoic preparation. 388,127; June 10; Serial No. 440,697; published Apr. 1, 1941. Class 6.
Merz & Co. Chemical Works, Inc., East Orange, N. J. Vermifuge. 388,128; June 10; Serial No. 440,699; published Apr. 1, 1941. Class 6.
Merz & Co. Chemical Works, Inc., East Orange, N. J. Aphrodisiac tablet. 388,129; June 10; Serial No. 440,702; published Apr. 1, 1941. Class 6.
Meyers, Ralph E., doing business as Ralph E. Meyers Co., Salinas, Calif. Fresh vegetables. 388,143; June 10. Class 46.
Mid-City Wholesale Groceries, Inc., Cicero, Ill. Grape juice, apple cider, etc. 388,085; June 10; Serial No. 440,015; published Apr. 1, 1941. Class 45.
Miesenhelder, Lola, doing business as Miesenhelder Mill & Elevator, and Miesenhelder Mill & Elevator Co., and Miesenhelder Bros., Pallstine, Ill. Whole wheat flour, salt, poultry mash, etc. 388,171; June 10. Class 46.
Millus Shoe Company, St. Louis, Mo. Women's shoes. 387,963; June 10; Serial Nos. 434,183–4; published Sept. 17, 1940. Class 39.
Miller Chemical & Fertilizer Corporation, Baltimore, Md. Colloid copper fungicide. 388,118; June 10; Serial No. 440,560; published Apr. 1, 1941. Class 6.
Miller, David G., Kansas City, Mo. Medicine for rheumatism, liver complaint, etc. 387,969; June 10; Serial No. 435,468; published Apr. 1, 1941. Class 6.
Miller, Josey Co., assignor to Josey-Miller Company, Inc., Beaumont, Tex. Dairy feed. 145,392; renewed Aug. 2, 1941.
Miller, Polk, Products Corp., Richmond, Va. Medicines for dogs. 388,109; June 10; Serial No. 440,290; published Apr. 1, 1941. Class 6.
Mimosa America Corporation, New York, N. Y. Cameras. 387,947; June 10; Serial No. 430,620; published Apr. 1, 1941.
Minnesota Valley Canning Company, Le Sueur, Minn. Canned vegetables. 388,091; June 10; Serial No. 440,052; published Apr. 1, 1941. Class 46.
Mitchell & Weber, Inc., New York, N. Y. Blouses, dresses, housecoats, etc. 388,038; June 10; Serial No. 439,489; published Apr. 1, 1941. Class 39.
Morris & Company, Incorporated, Baltimore, Md. Wool, silk, cotton, and rayon piece goods. 388,086; June 10; Serial No. 440,016; published Apr. 1, 1941. Class 42.
Moses, Ralph, New York, N. Y. Muff beds with slide fasteners. 388,138; June 10; Serial No. 430,091. Class 39.
Mothproof & Chemical Company. (See Wadsworth, Charles D.)
Musebeck Shoe Company, Danville, Ill. Boots and shoes. 387,995; June 10; Serial No. 437,522; published Mar. 18, 1941. Class 39.
Mutascio, Joseph, doing business as Prosperity California Wines, New York, N. Y. Wines. 388,005; June 10; Serial No. 438,400; published Apr. 1, 1941. Class 47.

Mutascio, Joseph, doing business as Prosperity California Wines, New York, N. Y. Wines. 388,009; June 10; Serial No. 438,546; published Apr. 1, 1941. Class 47.

Mutascio, Joseph, doing business as Prosperity California Wines, New York, N. Y. Wines. 388,019; June 10; Serial No. 438,955; published Apr. 1, 1941. Class 47.

National Biscuit Company, New York, N. Y. Bakery products. 387,961; June 10; Serial No. 437,009; published Dec. 31, 1940. Class 46.

Nettleton, A. E., Company, Syracuse, N. Y. Ladies' and girl's shoes made of leather, rubber, fabric, etc. 388,136; June 10. Class 39.

New City Printing Co., Union City, N. J. Books. 387,951; June 10; Serial No. 431,320; published Mar. 25, 1941. Class 38.

New England Bedding Company, Boston, Mass., to New England Bedding Company, Medford, Mass. Couch-hammocks. 144,252; renewed June 28, 1941.

New Jersey Optical Co., Newark, N. J., assignor, by mesne assignments, to New Jersey Optical Co., Irvington, N. J. Spectacle and eyeglass frames and mountings. 144,253; renewed June 28, 1941.

Newspaper PM, Inc., The, New York, N. Y. Column in a daily newspaper. 388,030; June 10; Serial No. 439,357; published Apr. 1, 1941. Class 38.

Niagara Alkali Company, Niagara Falls, N. Y. Caustic soda, caustic potash, carbonate of potash, etc. 388,065; June 10; Serial No. 439,739; published Mar. 25, 1941. Class 6.

Nolte, Otto C., doing business as Dry Placer Machine Company, Deer Lodge, Mont. Machine for separating gold particles from comminuted material. 387,931; June 10; Serial No. 420,425; published Apr. 1, 1941. Class 23.

North St. Paul Casket Company, North St. Paul, Minn., by change of name St. Paul Casket Company, St. Paul, Minn. Caskets and coffins. 145,764; renewed Aug. 16, 1941.

No-Ti-Bibs Company. (See Lenz, Otto A.)

Nucoa Butter Company, The, assignor to The Best Foods, Inc., New York, N. Y. Vegetable shortening. 146,827; renewed Sept. 20, 1941.

O-Cedar Corp'n., Chicago, Ill. Insecticide. 387,954; June 10; Serial No. 432,545; published Apr. 1, 1941. Class 6.

Oneida, Ltd., Oneinda, N. Y. Silver polish. 387,942; June 10; Serial No. 428,291; published Apr. 1, 1941. Class 4.

Oppenheim & Baruch, Inc., New York, N. Y. Neckwear, vestees, bibs, etc. 388,063; June 10; Serial No. 439,702; published Mar. 25, 1941. Class 39.

Osborn, C. D., Co., Chicago, Ill. Gloves. 388,080; June 10; Serial No. 439,946; published Mar. 25, 1941. Class 39.

Paillard, B., & Cie, Societe Anonyme, Yverdon, Switzerland. Typewriting machines and parts of the same. 387,955; June 10; Serial No. 432,694; published Apr. 1, 1941. Class 23.

Palmer, E. B., Stephenville, Tex. Ready mixed paints. 388,045; June 10; Serial No. 439,550; published Apr. 1, 1941. Class 16.

Paper Mills Agency of Oregon Incorporated, Portland, Oreg. Paper products particularly paper water marks, paper napkins and bond paper. 387,978; June 10; Serial No. 436,549; published Apr. 1, 1941. Class 37.

Parisian Cloak Co., by change of name to Harzfeld's, Inc., Kansas City, Mo. Corsets. 142,740; renewed May 17, 1941.

Parke, Davis & Company, Detroit, Mich. Preparation containing vitamin B6 (pyridoxine hydrochloride). 388,107; June 10; Serial No. 440,262; published Mar. 25, 1941. Class 6.

Parker Herbex Corporation, Long Island City, N. Y. Preparations for treatment of the scalp and hair. 388,004; June 10; Serial No. 438,352; published Mar. 25, 1941. Class 6.

Pender, David, Grocery Company, Norfolk, Va. Butter, oleomargarine, salad dressing, etc. 388,010; June 10; Serial No. 438,582; published Apr. 1, 1941. Class 46.

Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Coal tar solvents, coal-derived oils, coal-derived coating solutions, etc. 387,945; June 10; Serial No. 429,914; published Mar. 25, 1941. Class 6.

Pennsylvania Salt Manufacturing Co., Philadelphia, Pa. Hydrogen peroxide. 387,937–8; June 10; Serial Nos. 434,996–7; published Oct. 1, 1940. Class 6.

Pennwood Company, The, Pittsburgh, Pa. Clocks. 388,061; June 10; Serial No. 439,663; published Apr. 1, 1941. Class 27.

Perfect Foods, Inc., Lansdale, Pa. Pretzels. 387,966; June 10; Serial No. 434,806; published Oct. 29, 1940. Class 46.

Pharma-Craft Corporation, The, Louisville, Ky. Cream preparation to stop perspiration. 388,146; June 10. Class 6.

Philco Shoe Corporation, Bangor and Old Town, Maine. Rubber soled shoes and moccasins. 387,958; June 10; Serial No. 433,226; published Mar. 25, 1941. Class 39.

Phillips, Ann, doing business as A. Phillips, New York, N. Y. Ladies ornamental cuffs and collars. 388,046; June 10; Serial No. 439,551; published Apr. 1, 1941. Class 39.

Pinaud Incorporated, New York, N. Y. Eau de cologne. 387,933; June 10; Serial No. 425,364; published Mar. 25, 1941. Class 6.

Pinckard, Carl O., doing business as Tropical Fruit Products Company, St. Louis, Mo. Fruit juices and concentrates thereof. 388,039; June 10; Serial No. 439,490; published Apr. 1, 1941. Class 45.

Plantation Chocolate Company, Philadelphia, Pa. Chocolates and candies. 387,957; June 10; Serial No. 433,109; published Oct. 15, 1940. Class 46.

Plymouth Cordage Company, Plymouth, Mass., to Plymouth Cordage Company, North Plymouth, Mass. Binder-twine. 147,148; renewed Oct. 4, 1941.

Polaroid Corporation, Cambridge, Mass. Small cases adapted to contain filters, eyeglasses, and similar articles. 388,047; June 10; Serial No. 439,554; published Apr. 1, 1941. Class 2.

Porcelain Enamel and Manufacturing Company of Baltimore, The, Baltimore, Md. Vitreous and porcelain enamels. 146,847; renewed Sept. 20, 1941.

Powdrell & Alexander, Inc., Danielson Conn. Curtain piece goods of all-cotton knitted lace. 388,036; June 10; Serial No. 439,416; published Apr. 1, 1941. Class 42.

Prosperity California Wines. (See Mutascio, Joseph.)

Purex Products, Incorporated, Baltimore, Md. Medicinal mineral oil, cod liver oil, rubbing alcohol, etc. 387,944; June 10; Serial No. 429,415; published June 11, 1940. Class 6.

Raleigh Haberdasher, Inc. (See Grosner, Clarence W., assignor.)

Ramirez, Victor M., doing business as V. M. Ramirez y Cia Playa Ponce, P. R. Distilled alcoholic rum. 388,156; June 10. Class 49.

Ramirez, Victor M., doing business as V. M. Ramirez y Cia Playa Ponce, P. R. Distilled alcoholic rum. 388,158; June 10. Class 49.

Reed, E. P., & Co., Rochester, N. Y. Shoes made of leather, etc. 388,040; June 10; Serial No. 439,492; published Mar. 25, 1941. Class 39.

Reinhardt, Louis F., doing business as Reinhardt Drug Company, Le Center, Minn. Foot powder. 388,002; June 10; Serial No. 438,285; published Mar. 25, 1941. Class 6.

Rio Grande Citrus Distributors. (See Connell, J. C.)

Row, Peterson & Company, Evanston, Ill. Books. 388,031; June 10; Serial No. 439,366; published Apr. 1, 1941. Class 38.

Row, Peterson & Company, Evanston, Ill. Books. 388,054; June 10; Serial No. 439,604; published Apr. 1, 1941. Class 38.

Roxalin Flexible Lacquer Company, Inc., Elizabeth, N. J. Paste and ready-mixed paints, lacquers, and paint enamels. 388,124; June 10; Serial No. 440,663; published Apr. 1, 1941. Class 16.

Russo, A., & Co., Inc., Chicago, Ill. Alimentary pastes, edible oil, and canned vegetables. 387,999; June 10; Serial No. 437,973; published Apr. 1, 1941. Class 46.

S & G Rubber Company, Inc., New York, N. Y. Rubber combs. 387,964; June 10; Serial No. 434,293; published Apr. 1, 1941. Class 40.

St. Paul Casket Company. (See North St. Paul Casket Company.)

Sala-Dress Co. (See Witwer Grocer Company.)

Sandler, A., Co., Boston, Mass. Shoes. 388,056; June 10; Serial No. 439,633; published Mar. 18, 1941. Class 39.

Schick Dry Shaver, Inc., Stamford, Conn. Electric shaving machines and shaving heads for shaving machines. 387,927; June 10; Serial No. 413,082; published Apr. 1, 1941. Class 28.

Schleifer & Lubell, Inc., New York, N. Y. Dresses, play suits, blouses, etc. 388,003; June 10; Serial No. 438,316; published Apr. 1, 1941. Class 39.

Schmid, Julius, Incorporated, New York, N. Y. Prophylactic membranous articles. 387,977; June 10; Serial No. 436,484; published Apr. 1, 1941. Class 44.

Schmitt, Van Riper, & Co., Inc., New York, N. Y. Cotton twines, sash cord, clothes lines, etc. 388,025–6; June 10; Serial Nos. 4,439,321–2; published Apr. 1, 1941. Class 7.

Scott Paper Company, assignor to Scott Paper Company, Chester, Pa. Paper towels and paper napkins. 146,355; renewed Sept. 6, 1941.

Scully-Watson Oxygen Therapy Service, Inc., New York, N. Y. Monthly publication. 388,011; June 10; Serial No. 438,589; published Mar. 25, 1941. Class 38.

Seaman Paper Company, Chicago, Ill. Kapok batting for sound-deadening and thermal insulation. 388,071–2; June 10; Serial Nos. 439,836–7; published Apr. 1, 1941. Class 24.

Senatine Medicine Company. (See Cash, Mary L.)

Seoane, Abelino, Denver, Colo. Medicinal preparation. 388,114; June 10; Serial No. 440,389; published Apr. 1, 1941. Class 6.

Seven Star Botanic Drugs. (See Banks, Olivette M.)

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparations for correction of metabolic deficiencies. 388,111; June 10; Serial No. 440,343; published Mar. 25, 1941. Class 6.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Tonics, elixirs, preparations for correction of metabolic deficiencies. 388,112; June 10; Serial No. 440,344; published Mar. 25, 1941. Class 6.

Shuron Optical Company, Inc., Geneva, N. Y. Mountings for spectacles and eyeglasses. 388,155; June 10. Class 26.

Sigma Phi Epsilon Fraternity, Richmond, Va. Belt buckles, compacts, door knockers, etc. 387,956; June 10; Serial No. 432,989; published Mar. 25, 1941. Class 28.

Smith, J. Allen, & Co., assignor to J. Allen Smith & Company, Knoxville, Tenn. Self-rising wheat-flour. 146,002; renewed Aug. 23, 1941.

Smith Rice Mill Company, De Witt, Ark. Rice. 388,137; June 10. Class 46.

Smith, Wells Lamont, Corporation, Chicago, Ill. Work gloves. 388,057; June 10; Serial No. 439,642; published Mar. 18, 1941. Class 39.

Sociedad Anónima Romeo y Julieta Fábrica de Tabacos. (See Alvarez, Inocencio, assignor.)

Sociedad Anónima Romeo y Julieta Fábrica de Tabacos. (See Alvarez, Ynocencio, assignor.)

Sola Plexo Vitalizer Corporation, Rockford, Ill. Exercising devices. 388,087; June 10; Serial No. 440,025; published Apr. 1, 1941. Class 22.

Soproco Incorporated, New Orleans, La. Boiler compound. 388,092; June 10; Serial No. 440,064; published Apr. 1, 1941. Class 6.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Badminton shuttlecocks. 388,130; June 10; Serial No. 440,707; published Apr. 1, 1941. Class 22.

Squibb, E. R., & Sons, New York, N. Y. Vitaminic preparations. 388,007; June 10; Serial No. 440,136; published Apr. 1, 1941. Class 6.

Standard Milling Company. (See Hecker Cereal Company, assignor.)

Steele, Allen L., doing business as Steele Mfg. Co., New Orleans, La. Furniture polish. 388,021; June 10; Serial No. 439,031; published Apr. 1, 1941. Class 16.

Sterling Pump Corporation, Hamilton, Ohio. Pumps and pump and pressure tank water supply units. 388,000; June 10; Serial No. 437,975; published Apr. 1, 1941. Class 23.

Stern, Merritt Co., Inc., New York, N. Y. Neckties. 388,159; June 10. Class 39.

Stern, Merritt Co., Inc., New York, N. Y. Neckties. 388,160–1; June 10. Class 39.

Stern, Merritt Co., Inc., New York, N. Y. Neckties. 388,162–3; June 10. Class 39.

Stewart, F. W., Manufacturing Corporation, Chicago, Ill. Replacement parts for speedometers. 147,466; renewed Oct. 18, 1941.

Stormont, Clarence B., St. Louis, Mo. Preparation for the prevention of chigger bites. 388,172; June 10. Class 6.

Styron-Beggs Company, The, Newark, Ohio. Adhesive tape or oxide of zinc, alum, etc. 387,972; June 10; Serial No. 436,325; published Mar. 25, 1941. Class 6.

Sunland Packing House Company, Sunland, Calif. Citrus fruit. 388,041; June 10; Serial No. 439,498; published Apr. 1, 1941. Class 46.

Swan Fastener Corporation, New York, N. Y., and Philadelphia, Pa. Slide fasteners. 388,015; June 10; Serial No. 438,855; published Apr. 1, 1941. Class 13.

Terry, Herbert, & Sons, Ltd., Redditch, England. Certain named accessories for motor-cars and motorcycles. 142,152; renewed May 3, 1941.

Tishman, Lou, Co., Inc., New York, N. Y. Women's and misses' coats, suits, and coat and suit combinations. 388,174; June 10. Class 39.

Topps Shoe Corporation, New York, N. Y. Shoes. 387,990; June 10; Serial No. 437,325; published Mar. 18, 1941. Class 39.

Towle Manufacturing Company, Newburyport, Mass. Silver and silver mounted flatware and hollowware. 388,064; June 10; Serial No. 439,735; published Mar. 25, 1941. Class 28.

Tropical Fruit Products Company. (See Pinckard, Carl O.)

TruVal Manufacturers, Inc., New York, N. Y. Pajamas. 388,103; June 10; Serial No. 440,225; published Apr. 1, 1941. Class 39.

20th Century Company, Cincinnati, Ohio. Wrist watch straps made of leather, webbing or plastic materials. 388,168; June 10. Class 40.

Union Asbestos & Rubber Company, Chicago, Ill. Asbestos packing, with oil, rubber, or combination impregnation; asbestos sheet gasket material, etc. 387,941; June 10; Serial No. 428,267; published Apr. 1, 1941. Class 35.

Union Company, Christiana, and near Skien, Norway, to Aktieselskapet Union (Union Co.), Oslo and Skien, Norway. Card-board, paper, and envelopes. 19,380; re-renewed Apr. 21, 1941.

Union Petroleum Company, Lexington, Nebr. Lubricating oils. 387,946; June 10; Serial No. 430,469; published Oct. 15, 1940. Class 15.

United Wall Paper Factories, Inc., Chicago, Ill. Wall paper. 388,055; June 10; Serial No. 439,609; published Apr. 1, 1941. Class 37.

Valentino, Thomas J., New York, N. Y. Disk sound records. 387,950; June 10; Serial No. 431,131; published Apr. 1, 1941. Class 36.

Wadsworth, Charles D., doing business as Mothproof & Chemical Company, Boston, Mass. Mothproof products. 388,167; June 10. Class 6.

Wander Company, The, assignor to The Wander Company, Chicago, Ill. Malt extract. 146,906; renewed Sept. 20, 1941.

Wander Company, The, assignor to The Wander Company, Chicago, Ill. Barley-malt extract. 147,184; renewed Oct. 4, 1941.

Ward Baking Company, New York, N. Y. Bread. 146,619; renewed Sept. 13, 1941.

Weather Seal Company. (See Bryan, William E.)

Western Tire Auto Stores, Chicago, Ill. Radio receiving sets. 387,930; June 10; Serial No. 420,195; published Apr. 1, 1941. Class 21.

Wimelbacher & Rice, New York, N. Y. Gloves. 388,027–8; June 10; Serial Nos. 439,324–5; published Mar. 25, 1941. Class 39.

Witwer Grocer Company, doing business as Sala-Dress Co., Cedar Rapids, Iowa. Horseradish spread. 388,012; June 10; Serial No. 438,600; published Apr. 1, 1941. Class 46.

Woodward, Howard L., and P. I. and L. Clough, doing business as Clowood Company, Philadelphia, Pa. General household cleaner having incidental disinfectant properties. 388,023; June 10; Serial No. 439,135; published Apr. 1, 1941. Class 4.

Zalis, Samuel, doing business as Baltimore Shirt Co., Baltimore, Md. Work shirts, work pants, dress shirts, etc. 387,980; June 10; Serial No. 436,866; published Dec. 31, 1940. Class 39.

Zeidler, Frederick A. J., Toronto, Ontario, Canada. Prepared cereal food. 387,992; June 10; Serial No. 437,428; published Apr. 1, 1941. Class 46.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 2

Bags. Cellophane. Allied Paper Bag Corporation. 387,932; June 10; Serial No. 424,287; published Apr. 1, 1941.

Bags made from paper or other sheet material. Hammond Bag & Paper Co. 388,116; June 10; Serial No. 440,507; published Apr. 1, 1941.

Cases adapted to contain filters eyeglasses, and similar articles. Polaroid Corporation. 388,047; June 10; Serial No. 439,554; published Apr. 1, 1941.

Caskets and coffins. North St. Paul Casket Company. 145,764; renewed Aug. 16, 1941.

Receptacles. Hotcan Corporation. 387,970; June 10; Serial No. 435,617; published Apr. 1, 1941.

CLASS 3

Handbags. Kadin Brothers Incorporated. 388,176; June 10.

Horse collars and harness. Kentucky Whip & Collar Company. 388,077; June 10; Serial No. 439,899; published Apr. 1, 1941.

Pocketbooks, Bags, and purses. Bienen-Davis, Inc. 388,034; June 10; Serial No. 439,403; published Apr. 1, 1941.

CLASS 4

Cleaner having incidental disinfectant properties, General household. H. L. Woodward, P. I. Clough and L. Clough. 388,023; June 10; Serial No. 439,135; published Apr. 1, 1941.

Flint, garnet, and emery paper. American Glue Company. 144,159; renewed June 28, 1941.

Polish, Silver. Oneida, Ltd. 387,942; June 10; Serial No. 428,291; published Apr. 1, 1941.

CLASS 6

Adhesive tape or oxide of zinc, alum, etc. Styron-Beggs Company. 387,972; June 10; Serial No. 436,325; published Mar. 25, 1941.

Antidiarrhoic preparation. Merz & Co. Chemical Works, Inc. 388,127; June 10. Serial No. 440,697; published Apr. 1, 1941.

Aqueous dispersions of synthetic rubber compounds. American Anode Inc. 388,131; June 10. Serial No. 440,769; published Apr. 1, 1941.

Astringent and hematinic, Acid neutralizing. Wm. S. Merrell Company. 388,134; June 10; Serial No. 440,827; published Apr. 1, 1941.

Bleach germicide, and disinfectant. Beacon Chemical Corporation. 388,093; June 10; Serial No. 440,081; published Apr. 1, 1941.

Chemical compounds. Albi Chemical Corporation. 388,081; June 10; Serial No. 439,955; published Apr. 1, 1941.

Chemical mixture. J. L. Hoffman Company. 388,120; June 10. Serial No. 440,592; published Apr. 1, 1941.

Chemicals, medicines, and pharmaceutical preparations. C. E. Ising Corporation. 141,980; renewed May 3, 1941.

Coal-tar colors. H. Kohnstamm & Co. 147,122–3; renewed Oct. 4, 1941.
Composition containing no rubber for waterproofing fabrics. Goodyear Tire & Rubber Company. 387,984; June 10; Serial No. 437,063; published Mar. 25, 1941.
Compound, Boiler. Soproco Incorporated. 388,092; June 10; Serial No. 440,064; published Apr. 1, 1941.
Compound used for softening, filling and weighting of cotton fabrics. Haas-Miller Corp. 388,119; June 10; Serial No. 440,590; published Apr. 1, 1941.
Cosmetics. H. M. Chemical Co. 387,949; June 10; Serial No. 430,832; published Apr. 1. 1941.
Cream preparation. Pharma-Craft Corporation. 388,146; June 10.
Eau de cologne. Pinaud Incorporated. 387,933; June 10; Serial No. 425,364; Mar. 25, 1941.
Extracts and substances, Tanning. Campos Y Quebrachales Puerto Sastre S. A. 387,928; June 10; Serial No. 419,073; published Oct. 17, 1939.
Eye drops. Deary and Deary. 387,934; June 10; Serial No. 425,988; published Mar. 25, 1941.
Fluid, Lighter. Consolidated Royal Chemical Corporation. 388,123; June 10; Serial No. 440,644; published Apr. 1, 1941.
Fungicide colloid copper. Miller Chemical & Fertilizer Corporation. 388,118; June 10; Serial No. 440,560; published Apr. 1, 1941.
Hydrogen peroxide. Pennsylvania Salt Manufacturing Co. 387,967–8; June 10; Serial Nos. 434,996–7; published Oct. 1, 1940.
Insect repellent and sunburn preventive. Foley and Company. 388,133; June 10; Serial No. 440,780; published Apr. 1, 1941.
Insecticide. O-Cedar Corp'n. 387,954; June 10; Serial No. 432,545; published Apr. 1, 1941.
Laxative. M. L. Cash. 387,971; June 10; Serial No. 436,202; published Mar. 25, 1941.
Lime sulphur solution. Farr Company. 388,105; June 10; Serial No. 440,238; published Apr. 1, 1941.
Liquid, which when sprayed into the air deodorizes the same, Bottled. C. M. Kimball Co. 388,145; June 10.
Medical preparation. A. Seoane. 388,114; June 10; Serial No. 440,389; published Apr. 1, 1941.
Medical preparation for relief of athletes foot, Bottled. Foxx Company. 387,991; June 10; Serial No. 437,369; published Mar. 25, 1941.
Medicinal and pharmaceutical preparations. R. M. Colvin. 387,985; June 10; Serial No. 437,124; published Mar. 25, 1941.
Medicinal compound. M. W. Hicks. 388,001; June 10; Serial No. 438,133; published Mar. 25, 1941.
Medicinal preparation. S. Grasso. 388,074; June 10; Serial No. 439,868; published Mar. 25, 1941.
Medicinal preparation. J. P. Kayatta. 146,111; renewed Aug. 30, 1941.
Medicinal preparation in the form of candy-like bodies. W. B. Coleman. 387,952; June 10; Serial No. 431,992; published Apr. 1, 1941.
Medicinal preparations. Eli Lilly and Company. 144,210; renewed June 28, 1941.
Medicine for rheumatism, liver complaint, etc. D. G. Miller. 387,969; June 10; Serial No. 435,468; published Apr. 1, 1941.
Medicine for use in the treatment of eczema, skin cancer, etc. H. P. Menich. 388,110; June 10; Serial No. 440,338; published Apr. 1, 1941.
Medicine to aid digestive disturbances. Dorval Chemical Company. 387,974; June 10; Serial No. 436,422; published Mar. 25, 1941.
Medicines for dogs. Polk Miller Products Corp. 388,109; June 10. Serial No. 440,290; published Apr. 1, 1941.
Mineral oil, cod liver oil rubbing alcohol, etc., Medicinal. Purex Products, Incorporated. 387,944; June 10; Serial No. 429,415; published June 11, 1940.
Mothproof products. C. D. Wadsworth. 388,167; June 10.
Nail polish or nail enamel. Lady Ester, Ltd. 387,987; June 10; Serial No. 437,204; published Mar. 25, 1941.
Odoriferous liquid material, odorant for textile goods. Givaudan-Delawanna, Inc. 388,016; June 10; Serial No. 438,935; published Mar. 25, 1941.
Paste and tooth powder, Tooth. M. Brown. 388,117; June 10; Serial No. 440,543; published Apr. 1, 1941.
Powder, Foot. L. F. Reinhardt. 388,002; June 10; Serial No. 438,285; published Mar. 25, 1941.
Preparation containing vitamin B_6 (Pyridoxine hydrochloride). Parke, Davis & Company. 388,107; June 10; Serial No. 440,262; published Mar. 25, 1941.
Preparation for the prevention of chigger bites. C. B. Stormont. 388,172; June 10.
Preparation for use as a digestant. Burroughs Bros. Mfg. Company. 387,943; June 10; Serial No. 429,026; published Mar. 25, 1941.
Preparation to be used for the extermination of roaches, silverfish, etc. Desoto Chemical Company. 387,988; June 10; Serial No. 437,274; published Mar. 25, 1941.
Preparation to control the preharvest drop of apples. Dow Chemical Company. 387,975; June 10; Serial No. 436,423; published Mar. 25, 1941.
Preparations for correction of metabolic deficiencies. Sharp & Dohme, Incorporated. 388,111; June 10; Serial No. 440,343; published Mar. 25, 1941.
Preparations for treatment of the scalp and hair. Parker Herbex Corporation. 388,004; June 10; Serial No. 438,352; published Mar. 25, 1941.
Preparations used for softening and dressing textile materials. General Dyestuff Corporation. 388,008; June 10; Serial No. 438,540; published Mar. 25, 1941.
Rouge. F. R. Arnold & Co. 146,945; renewed Sept. 27, 1941.
Soda, caustic potash, carbonate of potash, etc., Caustic. Niagara Alkali Company. 388,065; June 10; Serial No. 439,739; published Mar. 25, 1941.
Solvent in the form of a liquid. Gray Company, Incorporated. 388,122; June 10; Serial No. 440,625; published Mar. 25, 1941.
Solvents, coal-derived oils, coal-derived coating solutions, etc., Coal tar. Pennsylvania Industrial Chemical Corporation. 387,945; June 10; Serial No. 429,914; published Mar. 25, 1941.
Spray or insecticide, Liquid fly. Babson Bros. Co. 388,024; June 10; Serial No. 439,187; published Mar. 25, 1941.
Tablet. Analgesic and sedative. Merz & Co. Chemical Works, Inc. 388,126; June 10; Serial No. 440,696; published Apr. 1, 1941.
Tablet, Aphrodisiac. Merz & Co. Chemical Works, Inc. 388,129; June 10; Serial No. 440,702; published Apr. 1, 1941.
Tonic, Appetizer-laxative. B. M. Antonucci. 388,104; June 10; Serial No. 440,232; published Apr. 1, 1941.
Tonics, elixirs, preparations for correction of metabolic deficiencies. Sharp & Dohme, Incorporated. 388,112; June 10; Serial No. 440,344; published Mar. 25, 1941.
Tonics for the relief of rhematic pains in the back and kidneys, etc. O. M. Banks. 388,089; June 10; Serial No. 440,036; published Apr. 1, 1941.
Vermifuge. Merz & Co. Chemical Works, Inc. 388,128; June 10; Serial No. 440,699; published Apr. 1, 1941.
Vitaminic preparations. E. R. Squibb & Sons. 388,007; June 10; Serial No. 440,136; published Apr. 1, 1941.

CLASS 7

Binder-twine. Plymouth Cordage Company. 147,148; renewed Oct. 4, 1941.
Cords, Mirror and picture. Carson Pirie Scott & Company. 388,022; June 10; Serial No. 439,095; published Apr. 1, 1941.
Twines, sash cord, clothes lines, etc., Cotton. Van Riper Schmitt & Co. 388,025–6; June 10; Serial Nos. 439,321–2; published Apr. 1, 1941.

CLASS 12

Building and roofing paper and fabricated woodwork. Carr, Adams & Collier Company. 388,175; June 10.
Cement and glass-setting cement or cement putty, Boiler-setting. Excello Manufacturing Company. 145,093; renewed July 26, 1941.
Frameworks for display signs or any other structures containing metal parts welded together. Artkraft Sign Company. 387,979; June 10; Serial No. 436,558; published Apr. 1, 1941.
Houses. W. C. Callaway. 388,139; June 10.
Roofing and siding. Coper-Cel Corporation. 388,157; June 10.
Waterproofing compounds. W. E. Bryan. 388,173; June 10.
Wire lath, Woven. Keystone Steel & Wire Company. 388,142; June 10.

CLASS 13

Fasteners, Slide. Swan Fastener Corporation. 388,015; June 10; Serial No. 438,855; published Apr. 1, 1941.
Utensils, Cooking. Advance Aluminum Castings Corp. 387,960; June 10; Serial No. 433,467; published Apr. 1, 1941.

CLASS 14

Malleable-iron castings. Marion Malleable Iron Works. 142,301; renewed May 10, 1941.
Steel, cutlery steel, stainless and alloy steel, etc., Tool. Jessop Steel Company. 387,989; June 10; Serial No. 437,281; published Apr. 1, 1941.
Steels and steel in forms. Easterbrook, Allcard & Co. Limited. 141,829; renewed May 3, 1941.

CLASS 15

Lubricants, comprising oils and greases. Keystone Lubricating Company. 388,075; June 10; Serial No. 439,870; published Apr. 1, 1941.
Oils and graphited oils, Motor. Gredag Corporation. 388,007; June 10; Serial No. 438,510; published Mar. 25, 1941.
Oils, Lubricating. Union Petroleum Company. 387,946; June 10; Serial No. 430,469; published Oct. 15, 1940.

CLASS 16

Enamels, Vitreous and porcelain. Porcelain Enamel and Manufacturing Company of Baltimore. 146,847; renewed Sept. 20, 1941.
Oil used in paints and varnishes, Soybean and linseed. Archer-Daniels-Midland Company. 388,009; June 10; Serial No. 439,790; published Apr. 1, 1941.

Oils, Soybean and linseed. Archer-Daniels-Midland Company. 388,154; June 10.
Paints. E. B. Palmer. 388,045; June 10; Serial No. 439,550; published Apr. 1, 1941.
Paints and pigments. Thomas Hubbuck & Son, Limited. 144,904; renewed July 19, 1941.
Paints, varnishes, putty, etc. Colonial Works. 141,902; renewed May 3, 1941.
Paste and ready-mixed paints, lacquers and paint enamels. Roxalin Flexible Lacquer Company. 388,124; June 10; Serial No. 440,663; published Apr. 1, 1941.
Polish, Furniture. A. L. Steele. 388,021; June 10; Serial No. 439,031; published Apr. 1, 1941.

CLASS 17

Cigars. I. Alvarez. 19,936; re-renewed July 28, 1941.
Cigars. I. Alvarez. 19,947; re-renewed July 28, 1941.
Cigars. Y. Alvarez. 19,585; re-renewed May 26, 1941.
Cigars. Arango y Arango. 387,993; June 10; Serial No. 437,494; published Apr. 1, 1941.

CLASS 19

Accessories for motor-cars and motor-cycles. Herbert Terry & Sons. 142,152; renewed May 3, 1941.

CLASS 21

Radio receiving sets. Western Tire Auto Stores. 387,930; June 10; Serial No. 420,195; published Apr. 1, 1941.

CLASS 22

Badminton shuttlecocks. A. G. Spalding & Bros. Inc. 388,130; June 10; Serial No. 440,707; published Apr. 1, 1941.
Exercising devices. Sola Plexo Vitalizer Corporation. 388,087; June 10; Serial No. 440,025; published Apr. 1, 1941.
Fishing lines. Adolph Blaich, Inc. 387,973; June 10; Serial No. 436,334; published Apr. 1, 1941.
Game played with paddles and a shuttlecock. Beal's Games, Inc. 388,132; June 10; Serial No. 440,771; published Apr. 1, 1941.
Game, Question and answer. P. Friedman. 388,108; June 10; Serial No. 440,286; published Apr. 1, 1941.
Game, Table. Milton Bradley Company. 388,094; June 10; Serial No. 440,111; published Apr. 1, 1941.
Tennis nets and the cable receiving top bands or bindings of tennis nets. Linen Thread Co. 388,113; June 10; Serial No. 440,373; published Apr. 1, 1941.

CLASS 23

Devices used with internal combustion engines, Accessory. General Motors Corporation. 388,148; June 10.
Hack saw blades. E. C. Atkins and Company. 388,082; June 10; Serial No. 439,957; published Apr. 1, 1941.
Machine for separating gold particles from comminuted material. O. C. Nolte. 387,931; June 10; Serial No. 420,425; published Apr. 1, 1941.
Mufflers, noise eliminators, and devices for controlling exhaust, etc. P. R. Finch. 387,937; June 10; Serial No. 427,198; published Apr. 1, 1941.
Pumps and pump and pressure tank water supply units. Sterling Pump Corporation. 388,000; June 10; Serial No. 437,975; published Apr. 1, 1941.
Shaving machines and shaving heads for shaving machines, Electric. Schick Dry Shaver, Inc. 387,927; June 10; Serial No. 413,082; published Apr. 1, 1941.
Ticket and coupon issuing machines, slot vending machines. General Register Corporation. 388,084; June 10; Serial No. 440,002; published Apr. 1, 1941.
Tools for hand and machine use. Easterbrook, Allcard & Co. Limited. 144,382; renewed July 5, 1941.
Typewriting machines and parts of the same. E. Paillard & Cie, Societe Anonyme. 387,955; June 10; Serial No. 432,694; published Apr. 1, 1941.
Wire stitching machines. Acme Steel Company. 387,962; June 10; Serial No. 433,846; published Apr. 1, 1941.

CLASS 24

Kapok batting for sound-deadening and thermal insulation. Seaman Paper Company. 388,071–2; June 10; Serial Nos. 439,836–7; published Apr. 1, 1941.

CLASS 25

Locks. Wilson Bohannan, Inc. 144,175–6; renewed June 28, 1941.

CLASS 26

Cameras. Mimosa America Corporation. 387,947; June 10; Serial No. 430,620; published Apr. 1, 1941.
Gauges, drill bit gauging machinery, drill gauges, etc., Drill bit. Bitco, Inc. 388,083; June 10; Serial No. 439,991; published Apr. 1, 1941.
Mountings for spectacles and eyeglasses. Shuron Optical Company. 388,155; June 10.
Replacement parts for speedometers. F. W. Stewart Manufacturing Corporation. 147,466; renewed Oct. 18, 1941.
Spectacle and eyeglass frames and mountings. New Jersey Optical Co. 144,253; renewed June 28, 1941.
Spectacles and goggles and lenses therefor. American Spectacle Co. 388,088; June 10; Serial No. 440,034; published Apr. 1, 1941.

CLASS 27

Clocks. Pennwood Company. 388,061; June 10; Serial No. 439,663; published Apr. 1, 1941.

CLASS 28

Bracelets, Watch. Jacoby-Bender, Inc. 388,067; June 10; Serial No. 439,755; published Mar. 25, 1941.
Buckles, compacts, door knockers, etc., Belt. Sigma Phi Epsilon Fraternity. 387,956; June 10; Serial No. 432,989; published Mar. 25, 1941.
Flatware and hollowware, Silver and silver mounted. Towle Manufacturing Company. 388,064; June 10; Serial No. 439,735; published Mar. 25, 1941.
Lockets, brooches, and pendants, Illuminated. G. B. Christensen 387,996; June 10; Serial No. 437,555; published Mar. 25, 1941.

CLASS 31

Refrigerator cabinets. Gibson Electric Refrigerator Corporation. 388,177; June 10.
Refrigerator coils. McCray Refrigerator Company. 388,125; June 10; Serial No. 440,691; published Apr. 1, 1941.
Trays for refrigerators, Reserve compartment. S. Gonczi. 388,073; June 10; Serial No. 439,866; published Apr. 1, 1941.

CLASS 32

Couch-hammocks. New England Bedding Company. 144,252; renewed June 28, 1941.
Furniture, Wooden and upholstered. Grand Rapids Furniture Makers Guild. 388,121; June 10; Serial No. 440,624; published Apr. 1, 1941.
Mattresses, box springs, and studio couches. H. Goodman Inc. 388,106; June 10; Serial No. 440,244; published Apr. 1, 1941.

CLASS 35

Asbestos packing, with oil, rubber, or combination impregnation; asbestos sheet gasket material, etc. Union Asbestos & Rubber Company. 387,941; June 10; Serial No. 428,267; published Apr. 1, 1941.

CLASS 36

Records, Disk sound. T. J. Valentino. 387,950; June 10; Serial No. 431,131; published Apr. 1, 1941.

CLASS 37

Card-board, paper, and envelopes. Union Company. 19,380; re-renewed Apr. 21, 1941.
Paper, Printing. International Paper Company. 388,013; June 10; Serial No. 438,806; published Apr. 1, 1941.
Paper products. Paper Mills Agency of Oregon Incorporated. 387,978; June 10; Serial No. 436,549; published Apr. 1, 1941.
Paper towels and paper napkins. Scott Paper Company. 146,355; renewed Sept. 6, 1941.
Paper, Tracing. Keuffel & Esser Company. 388,014; June 10; Serial No. 438,844; published Apr. 1, 1941.
Paper, Wall. United Wall Paper Factories, Inc. 388,055; June 10; Serial No. 439,609; published Apr. 1, 1941.
Pencil tablets, composition books, spelling blanks, etc. Kurtz Bros., Inc. 387,982; June 10; Serial No. 437,040; published Apr. 1, 1941.

CLASS 38

Books. New City Printing Co. 387,951; June 10; Serial No. 431,320; published Mar. 25, 1941.
Books. Row, Peterson & Company. 388,031; June 10; Serial No. 439,366; published Apr. 1, 1941.
Books. Row, Peterson & Company. 388,054; June 10; Serial No. 439,604; published Apr. 1, 1941.
Books, pamphlets, and circulars. Climax Molybdenum Company. 388,035; June 10; Serial No. 439,409; published Mar. 25, 1941.
Calendars. Brown & Bigelow. 387,935; June 10; Serial No. 426,432; published Mar. 25, 1941.
Column in a daily newspaper. Newspaper PM, Inc. 388,030; June 10; Serial No. 439,357; published Apr. 1, 1941.
Newspaper column. D. C. Hayman. 388,059; June 10; Serial No. 439,655; published Apr. 1, 1941.
Newspaper, Tabloid. Hollywood Star. 388,033; June 10; Serial No. 439,396; published Apr. 1, 1941.
Newspaper, Weekly. Fishery Reporter Company. 388,042; June 10; Serial No. 439,513; published Apr. 1, 1941.
Publication, Monthly. Scully-Watson Oxygen Therapy Service, Inc. 388,011; June 10; Serial No. 438,589; published Mar. 25, 1941.

CLASS 39

Apparel, Ladies'. David Korn & Co. Inc. 388,149; June 10.
Beds with slide fasteners. Muff. R. Moses. 388,138; June 10.
Bibs. O. A. Lenz. 388,147; June 10.
Blouses, dresses, housecoats, etc. Mitchell & Weber, Inc. 388,038; June 10; Serial No. 439,489; published Apr. 1, 1941.
Blouses, sweaters, dresses, etc. Bonwit Teller, Inc. 387,938; June 10; Serial No. 427,457; published Mar. 25, 1941.

Boots and shoes. Buckingham & Hecht. 388,066; June 10; Serial No. 439,747; published Apr. 1, 1941.
Boots and shoes. Freeman Shoe Corporation. 387,976; June 10; Serial No. 436,467; published Apr. 1, 1941.
Boots and shoes. Musebeck Shoe Company. 387,995; June 10; Serial No. 437,522; published Mar. 18, 1941.
Boots, shoes, and slippers. A. G. Behn. 388,153; June 10.
Brassières, bandeaux, and foundation garments. Bestform Foundations, Inc. 388,062; June 10; Serial No. 439,682; published Mar. 18, 1941.
Clothing. Cole of California, Inc. 388,170; June 10.
Clothing. C. W. Grosner. 143,030; renewed May 24, 1941.
Clothing, Articles of. Wm. Filene's Sons Company. 146,223; renewed Sept. 6, 1941.
Clothing, Men's. H. M. Havig. 388,165–6; June 10.
Coats, suits, and coat and suit combinations. Lou Tishman Co. 388,174; June 10.
Coats, suits, dresses, etc. Colordination Group, Inc. 387,939–40; June 10; Serial Nos. 427,497–8; published Mar. 25, 1941.
Collar and cuff sets, cuffs, jabots, etc., Ladies'. Engel, Bauer & Co. 388,150; June 10.
Corsets. Parisian Cloak Co. 142,740; renewed May 17, 1941.
Corsets, girdles, and corselets. Lily of France Corset Company. 388,018; June 10; Serial No. 438,952; published Mar. 25, 1941
Corsets, girdles, step-in corsets, etc. H. W. Gossard Co. 388,058; June 10; Serial No. 439,651; published Apr. 1, 1941.
Cuffs and collars, Ladies' ornamental. A. Phillips. 388,046; June 10; Serial No. 439,551; published Apr. 1, 1941.
Diapers, Textile. Chicopee Sales Corporation. 387,983; June 10; Serial No. 437,056; published Mar. 18, 1941.
Dresses and play suits. Carol Crawford, Inc. 388,006; June 10; Serial No. 438,502; published Mar. 25, 1941.
Dresses, play suits, blouses, etc. Schliefer & Lubell, Inc. 388,003; June 10; Serial No. 438,316; published Apr. 1, 1941.
Footwear. Goodyear Footwear Corporation. 388,140; June 10.
Gloves. Joint Board of Fulton County. 388,135; June 10.
Gloves. C. D. Osborn Co. 388,080; June 10; Serial No. 439,946; published Mar. 25, 1941.
Gloves. Wells Lamont Smith Corporation. 388,057; June 10; Serial No. 439,642; published Mar. 18, 1941.
Gloves. Wimelbacher & Rice. 388,027–8; June 10; Serial Nos. 439,324–5; published Mar. 25, 1941.
Gloves or mittens, Cloth or fabric. Lindfelt Manufacturing Co. 388,144; June 10.
Handkerchiefs. J. H. Kimball, Inc. 388,078; June 10; Serial No. 439,900; published Mar. 25, 1941.
Hats and caps, Men's and boys'. La Salle Hat Company. 387,948; June 10; Serial No. 430,690; published June 18, 1940.
Hats, suits, overcoats, etc. Men's Wear Sales Corp. 387,986; June 10; Serial No. 437,140; published Mar. 18, 1941.
Hosiery. Gotham Silk Hosiery Company. 388,095–6; June 10; Serial Nos. 440,123–4; published Apr. 1, 1941.
Necktles. Franc, Strohmenger & Cowan, Inc. 387,998; June 10; Serial No. 437,817; published Mar. 18, 1941.
Necktles. Stern, Merritt Co. 388,159; June 10.
Necktles. Stern, Merritt Co. 388,160–1; June 10.
Necktles. Stern, Merritt Co. 388,162–3; June 10.
Neckwear, vestees, bibs, etc. Oppenheim & Baruch, Inc. 388,063; June 10; Serial No. 439,702; published Mar. 25, 1941.
Overcoats, sport coats, suits, etc. Philip Kronfeld, Inc. 388,032; June 10; Serial No. 439,391; published Mar. 25, 1941.
Pajamas. Essley Shirt Company. 388,115; June 10; Serial No. 440,411; published Apr. 1, 1941.
Pajamas. TruVal Manufacturers, Inc. 388,103; June 10; Serial No. 440,225; published Apr. 1, 1941.
Shirts, pants, etc. S. Zalis. 387,980; June 10; Serial No. 436,866; published Dec. 31, 1940.
Shoes. Edison Brothers Stores, Inc. 388,037; June 10; Serial No. 439,461; published Apr. 1, 1941.
Shoes. Huiskamp Brothers Co. 388,060; June 10; Serial No. 439,656; published Apr. 1, 1941.
Shoes. Millius Shoe Company. 387,963; June 10; Serial Nos. 434,183–4; published Sept. 17, 1940.
Shoes. A. E. Nettleton Company. 388,136; June 10.
Shoes. A. Sandler Co. 388,056; June 10; Serial No. 439,633; published Mar. 18, 1941.
Shoes. Topps Shoe Corporation. 387,990; June 10; Serial No. 437,325; published Mar. 18, 1941.
Shoes and moccasins, Rubber soled. Philco Shoe Corporation. 387,958; June 10; Serial No. 433,226; published Mar. 25, 1941.
Shoes made of leather, etc. E. P. Reed & Co. 388,040; June 10; Serial No. 439,492; published Mar. 25, 1941.
Slips, petticoats, camisoles, etc. Lord & Taylor. 387,929; June 10; Serial No. 419,584; published Mar. 18, 1941.
Sportswear. Kamber & Masket, Inc. 388,068; June 10; Serial No. 439,776; published Apr. 1, 1941.
Suits and trousers. Kahn Mfg. Co. 388,017; June 10; Serial No. 438,948; published Apr. 1, 1941.
Sweaters, bathing-suits, dresses, and skirts. May Knitting Co. 147,357; renewed Oct. 11, 1941.

CLASS 40

Artwork sets. V. Lampidis. 388,141; June 10.
Combs, Rubber. S & G Rubber Company. 387,964; June 10; Serial No. 434,293; published Apr. 1, 1941.
Crochet hooks and knitting needles. H. C. Bates. 388,044; June 10; Serial No. 439,532; published Apr. 1, 1941.
Straps, Wrist watch. 20th Century Company. 388,168; June 10.

CLASS 42

Cloth in the piece. Charmette Fabrics Co. 388,090; June 10; Serial No. 440,041; published Apr. 1, 1941.
Curtain piece goods of all-cotton knitted lace. Powdrell & Alexander, Inc. 388,036; June 10; Serial No. 439,416; published Apr. 1, 1941.
Fabrics in the piece, silk, woolen, cotton, etc. Haas Brothers Fabrics Corporation. 142,554; renewed May 17, 1941.
Piece goods. Celanese Corporation of America. 388,098–101; June 10; Serial Nos. 440,145–8; published Apr. 1, 1941.
Piece goods. Goodall Worsted Company. 388,070; June 10; Serial No. 439,811; published Apr. 1, 1941.
Piece goods. F. M. Hamburger. 388,152; June 10.
Piece goods, Wool, silk, cotton, and rayon. Morris & Company. 388,086; June 10; Serial No. 440,016; published Apr. 1, 1941.
Sheets, pillow cases, blankets, etc. Lansburgh & Bro. 388,079; June 10; Serial No. 439,935; published Apr. 1, 1941.
Towels. E. A. Hamrah. 388,102; June 10; Serial No. 440,160; published Apr. 1, 1941.

CLASS 43

Threads of flax, hemp, tow, etc. Blackstaff Flax Spinning & Weaving Co., Limited. 144,350; renewed July 5, 1941.
Threads of flax, hemp, tow, and ramie or China-grass. Blackstaff Flax Spinning and Weaving Company. 145,043; renewed July 26, 1941.

CLASS 44

Prophylactic membranous articles. Julius Schmid, Incorporated. 387,977; June 10; Serial No. 436,484; published Apr. 1, 1941.

CLASS 45

Fruit juices and concentrates thereof. C. O. Pinckard. 388,039; June 10; Serial No. 439,490; published Apr. 1, 1941.
Grape juice, apple cider, etc. Mid-City Wholesale Grocers, Inc. 388,085; June 10; Serial No. 440,015; published Apr. 1, 1941.

CLASS 46

Alimentary pastes, edible oil, and canned vegetables. A. Russo & Co. 387,999; June 10; Serial No. 437,973; published Apr. 1, 1941.
Bakery products. National Biscuit Company. 387,981; June 10; Serial No. 437,009; published Dec. 31, 1940.
Barley-malt extract. Wander Company. 147,184; renewed Oct. 4, 1941.
Bread. Liberty Baking Co. 141,404; renewed Apr. 19, 1941.
Bread. Ward Baking Company. 146,619; renewed Sept. 13, 1941.
Breakfast food, Cereal. Kellogg Toasted Corn Flake Co. 145,422; renewed Aug. 2, 1941.
Butter, oleomargarine, salad dressing, etc. David Pender Grocery Company. 388,010; June 10; Serial No. 438,582; published Apr. 1, 1941.
Cake-flour, Prepared. Hecker Cereal Company. 143,639; renewed June 7, 1941.
Candles. Brecht Candy Co. 145,539; renewed Aug. 9, 1941.
Candy. King Candy Company. 146,788; renewed Sept. 20, 1941.
Canned fruit juices, berry juices, and vegetable juices. Haas Brothers. 388,076; June 10; Serial No. 439,896; published Apr. 1, 1941.
Canned fruits, canned vegetables, canned fruit and vegetable juices, etc. Filice and Perrelli Canning Company. 387,961; June 10; Serial No. 433,561; published Apr. 1, 1941.
Canned tuna fish and salmon. Francis H. Leggett & Company. 387,994; June 10; Serial No. 437,519; published Apr. 1, 1941.
Canned vegetables. Minnesota Valley Canning Company. 388,091; June 10; Serial No. 440,052; published Apr. 1, 1941.
Cereal breakfast foods. Kellogg Toasted Corn Flake Company. 147,454–5; renewed Oct. 18, 1941.
Cereal food, Prepared. F. A. J. Zeidler. 387,992; June 10; Serial No. 437,428; published Apr. 1, 1941.
Cereal foods, Flaked. Kellogg Toasted Corn Flake Co. 147,458; renewed Oct. 18, 1941.
Cheese. Borden Company. 388,048; June 10; Serial No. 439,578; published Apr. 1, 1941.
Cheese. Borden Company. 388,051–3; June 10; Serial Nos. 439,582–4; published Apr. 1, 1941.
Cheese, Brick. Borden Company. 388,049–50; June 10; Serial Nos. 439,580–1; published Apr. 1, 1941.

Chocolates and candies. Plantation Chocolate Company. 387,957; June 10; Serial No. 433,109; published Oct. 15, 1940.
Citrus products, fruit, canned citrus fruit and juices. J. C. Connell. 387,936; June 10; Serial No 426,482; published July 9, 1940.
Feed, Dairy. Josey Miller Co. 145,392; renewed Aug. 2, 1941.
Flour, Whole wheat, salt, poultry mash, etc. L. Miesenhelder. 388,171; June 10.
Food products. Dorset Foods, Ltd. 388,169; June 10.
Fruit, Citrus. Sunland Packing House Company. 388,041; June 10; Serial No. 439,498; published Apr. 1, 1941.
Horseradish spread. Witwer Grocer Company. 388,012; June 10; Serial No. 438,600; published Apr. 1, 1941.
Icing for cakes and cookies. Basic Foods Sales Corp. 387,953; June 10; Serial No. 432,293; published Apr. 1, 1941.
Milk, Malted. Horlick's Malted Milk Corporation. 388,029; June 10; Serial No. 439,342; published Apr. 1, 1941.
Peanut-butter. Kellogg Toasted Corn Flake Co. 147,456; renewed Oct. 18, 1941.
Potatoes. J. P. Bushee. 388,020; June 10; Serial No. 438,975; published Apr. 1, 1941.
Pretzels. Perfect Foods, Inc. 387,966; June 10; Serial No. 434,806; published Oct. 29, 1940.
Rice. Smith Rice Mill Company. 388,137; June 10.
Sandwiches, pickle relish, mayonnaise, etc. W. J. Gruber. 387,997; June 10; Serial No. 437,620; published Apr. 1, 1941.
Spices, herbs for culinary purposes, etc. M. Garrick. 387,965; June 10; Serial No. 434,560; published Apr. 1, 1941.
Tea and coffee. Kellogg Toasted Corn Flake Co. 147,457; renewed Oct. 18, 1941.
Vegetable shortening. Nucoa Butter Company. 146,827; renewed Sept. 20, 1941.
Vegetables, Fresh. R. E. Meyers. 388,143; June 10.
Wheat-flour, Self-rising. J. Allen Smith & Co. 146,002; renewed Aug. 23, 1941.

CLASS 47

Wines. Ellena Brothers. 388,164; June 10.
Wines. J. Mutascio. 388,005; June 10; Serial No. 438,400; published Apr. 1, 1941.
Wines. J. Mutascio. 388,009; June 10; Serial No. 438,546; published Apr. 1, 1941.
Wines. J. Mutascio. 388,019; June 10; Serial No. 438,955; published Apr. 1, 1941.

CLASS 48

Malt extract. Wander Company. 146,906; renewed Sept. 20, 1941.

CLASS 49

Bitters, Alcoholic. Kraus Bros. & Co. 387,959; June 10; Serial No. 433,253; published Apr. 1, 1941.
Rum. V. M. Ramirez. 388,156; June 10.
Rum. V. M. Ramirez. 388,158; June 10.
Whiskey. James B. Beam Distilling Co. 388,151; June 10.

CLASS 50

Shoe counter material in the nature of artificial leather. Kimberly-Clark Corporation. 388,043; June 10; Serial No. 439,516; published Apr. 1, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF JUNE, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Autographic Register Company. (See Brenn, Carl W., assignor.)

Barrett, George J., et al. (See Lowrey, George A., assignor.)

Brenn, Carl W., Montclair, assignor to Autographic Register Company, Hoboken, N. J. Manifolding. Re. 21,822; June 10.

Burns, Laurence, Swampscott, assignor to Hygrade Sylvania Corporation, Salem, Mass. Electric discharge lamp. Re. 21,823; June 10.

Grand Rapids Store Equipment Company. (See Williams, P. G., and Welch, assignors.)

Hygrade Sylvania Corporation. (See Burns, Laurence, assignor.)

Lowrey, George A., Houston, assignor, by mesne assignments, to S. Robichaux and G. J. Barrett, Harris County, Tex. Apparatus for and a method of cutting pipe. Re. 21,824; June 10.

Robichaux, Sosthene, et al. (See Lowrey, George A., assignor.)

Welch, Kenneth C. (See Williams, P. G., and Welch, assignors.)

Williams, Paul G., and K. C. Welch, assignors to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Store furniture. Re. 21,825; June 10.

LIST OF PLANT PATENTEES

Soderlund, Ingermar E., Excelsior, Minn. Apple. 474; June 10.

LIST OF DESIGN PATENTEES

Allen, George A., Denver, Colo. Lunch pail. 127,670; June 10.

Babs Creations, Inc. (See Foster, Charles H., assignor.)

Barber, Hardy F., New York, N. Y. Shoe sole or similar article. 127,776; June 10.

Baxter, Ernest W., Van Wert, Ohio. Toy. 127,690; June 10.

Bergman, Hyman W., assignor of one-fourth to T. A. Landy and one-fourth to N. Yarmo, Kansas City, Mo. Fountain toothbrush. 127,731; June 10.

Boehm, Adolph, et al. (See Christensen, Einar L., assignor.)

Borden Company, The. (See Foster, Will A., assignor.)

Borden Metal Products Company. (See Lewis, Thomas J., assignor.)

Bostian, Frank K., Chambersburg, Pa. Magazine stand or similar article. 127,671; June 10.

Bradbury, William T., Millersport, and H. F. Lieber, assignors to Newark Stove Company, Newark, Ohio. Combined burner, bowl and utensil support for stoves. 127,709; June 10.

Bradshaw, John Company. (See Ryan, Dennis F., assignor.)

Brown, A. J., & Son, Inc. (See Brown, Thomas H., assignor.)

Brown, Thomas H., assignor to A. J. Brown & Son, Inc., Grand Rapids, Mich. Combined seed display and sales cabinet. 127,672; June 10.

Brunswick-Balke-Collender Company, The. (See Cloutier, Ellery J., assignor.)

Burke, Joseph L., Lynn, assignor to A. C. Lawrence Leather Company, Peabody, Mass. Flocked leather. 127,732; June 10.

Cashin, Bonnie, New York, N. Y. Jacket. 127,756; June 10.

Cashin, Bonnie, New York, N. Y. Dress. 127,777; June 10.

Christensen, Einar L., assignor of thirty-five per cent to A. Boehm and twenty-five per cent to A. Sherman, Los Angeles, Calif. Pin or similar article. 127,743; June 10.

Cloutier, Ellery J., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Combined score table and bowling alley service unit or similar article. 127,673; June 10.

Cloutier, Ellery J., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Terminal post for bowling ball racks or the like. 127,674; June 10.

Cloutier, Ellery J., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Newel post for bowling ball racks or the like. 127,675; June 10.

Cohn, Joseph, New York, N. Y. Hat. 127,733; June 10.

Cohn & Rosenberger Inc. (See Katz, Adolph, assignor.)

Crane Co. (See Dreyfuss, Henry, assignor.)

Deitch, Clement, Port Angeles, Wash. Cigarette holder. 127,710; June 10.

Dover, Samuel M., Chicago, Ill. Reflector. 127,676; June 10.

Drefuss, Henry, New York, N. Y., assignor to Crane Co., Chicago, Ill. Handwheel. 127,734; June 10.

Dreyfuss, Henry, New York, N. Y., assignor to Crane Co., Chicago, Ill. Handwheel. 127,735; June 10.

Drefuss, Henry, New York, N. Y., assignor to Crane Co., Chicago, Ill. Handwheel. 127,736; June 10.

Eitel, William W., and J. A. McCullough, San Bruno, Calif. Vacuum tube. 127,757; June 10.

Eitel, William W., and J. A. McCullough, San Bruno, Calif. Vacuum tube. 127,758; June 10.

Electric Vacuum Cleaner Co. Inc. (See Petzold, William B., assignor.)

Farics Manufacturing Company. (See Livers, John F., assignor.)

Fauth, Jay M., New York, N. Y. Dress. 127,759; June 10.

Ferrer, Frances, Dongan Hills, assignor to J. Melville, New York, N. Y. Statuette. 127,744; June 10.

Fisher, Francis C., Syracuse, N. Y. Tap knob. 127,691; June 10.

Flier, Leo, Springfield, Mass. Jewelry case or the like. 127,677; June 10.

Foley, Madeline C., Auburn, N. Y. Glass bottle. 127,711; June 10.

Forster, Percy M., Berkeley, Calif. Tinner's furnace. 127,678; June 10.

Foster, Charles H., assignor to Babs Creations, Inc., New York, N. Y. Perfume container or the like. 127,737; June 10.

Foster, Will A., Scarsdale, assignor to The Borden Company, New York, N. Y. Spoon. 127,720; June 10.

Frank, William H., Detroit, Mich. Electrical control panelboard unit. 127,712; June 10.

Franklin, Sylvia, New York, N. Y. Dress. 127,760; June 10.

Garrison, Verne, Lamar, Mo. Bag rack. 127,679; June 10.

Gatrell, Robert M., and E. Littlefield, Columbus, Ohio. Game board or similar article. 127,692; June 10.

General Electric Company. (See Petzold, William B., assignor.)

Gerling, Arthur A., assignor to Knickerbocker Toy Co. Inc., New York, N. Y. Doll face mask or similar article. 127,693; June 10.

Gold, Abraham, New York, N. Y. Necktie clasp. 127,721; June 10.

Goldberger, Sandor, New York, N. Y. Charm or similar article. 127,704; June 10.

Graff, Solomon, New York, N. Y. Welting. 127,745; June 10.

Gray, Fred, New York, N. Y. Buckle or similar article. 127,722; June 10.

Greitzer, Meyer, Los Angeles, Calif. Table top. 127,680; June 10.

Groesbeck, Charles C., Los Angeles, Calif. Game board. 127,694; June 10.

Haase, Leo G., Hollywood, Calif. Bench. 127,713; June 10.

Hallbauer, Otto, West Englewood, assignor to Stein-Tobler Co. Inc., Union City, N. J. Lace trimming or similar article. 127,761; June 10.

Hallbauer, Otto, West Englewood, assignor to Stein-Tobler Co. Inc., Union City, N. J. Embroidered lace trimming or similar article. 127,762; June 10.

Hansen, Clarence L., assignor to Tri-Pak Gun Kit, Inc., San Francisco, Calif. Bottle or similar container. 127,714; June 10.

Haslam, Carl, assignor to Phoenix Textile Printing Corp., New York, N. Y. Textile fabric or similar article. 127,715; June 10.
Haslam, Carl, assignor to Phoenix Textile Printing Corp., New York, N. Y. Textile fabric or similar article. 127,716; June 10.
Haslam, Carl, assignor to Phoenix Textile Printing Corp., New York, N. Y. Textile fabric or similar article. 127,717; June 10.
Heintz, Ralph M., Palo Alto, Calif., assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio. Inertia starter for airplane engines. 127,705; June 10.
Henry, Aline, New York, N. Y. Dress. 127,763; June 10.
Hodgman, Clare E., assignor to Sears, Roebuck and Co., Chicago, Ill. Door latch handle. 127,681; June 10.
Hoellerich Richard, New York, N. Y. Textile fabric. 127,738; June 10.
Houdaille-Hershey Corporation. (See Walker, George W., assignor.)
Hygrade Sylvania Corporation. (See MacCarthy, Charles F., assignor.)
Jack & Heintz, Inc. (See Heintz, Ralph M., assignor.)
Karl, Edward W. (See Nitza, T., and Karl.)
Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 127,746; June 10.
Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 127,747; June 10.
Kestenman Bros. Mfg. Co. (See Kestenman, Charles H., assignor.)
Kestenman Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Watch bracelet or the like. 127,706; June 10.
Knickerbocker Toy Co. Inc. (See Gerling, Arthur A., assignor.)
Kokomo Sanitary Pottery Corporation. (See Lyczak, Antoni J., assignor.)
Kushner, Maurice. (See Marchitelli, Patsy, assignor.)
Landau, Sam, New York, N. Y. Slip. 127,748; June 10.
Landau, Sam, New York, N. Y. Slip. 127,749; June 10.
Landau, Sam, New York, N. Y. Slip. 127,750; June 10.
Landy, Theodore A., et al. (See Bergman, Hyman W., assignor.)
Langenieux, Jean M., Mount Vernon, N. Y. Textile fabric or similar article. 127,751; June 10.
Langenieux, Jean M., Mount Vernon, N. Y. Textile fabric or similar article. 127,752; June 10.
Langenieux, Jean M., Mount Vernon, N. Y. Textile fabric or similar article. 127,753; June 10.
Lawrence, A. C., Leather Company. (See Burke, Joseph L., assignor.)
Lerman, Kate, Chicago, Ill. Radio or similar article. 127,764; June 10.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Tractor cab. 127,739; June 10.
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)
Levine, Abraham, Elizabeth, N. J. Lock for luggage containers or the like. 127,682; June 10.
Lewis, Thomas J., Ridgefield Park, assignor to Borden Metal Products Company, Elizabeth, N. J. Stair tread. 127,695; June 10.
Lieber, Herman F. (See Bradbury, W. T., and Lieber.)
Lipari, Evelyn Z., New York, N. Y. Shoe. 127,723; June 10.
Littlefield, Edgar. (See Gatrell, R. M., and Littlefield.)
Livers, John F., assignor to Faries Manufacturing Company, Decatur, Ill. Fluorescent floor lamp. 127,683; June 10.
Lorenzen, Arnold I., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 127,684; June 10.
Lyczak, Antoni J., assignor to Kokomo Sanitary Pottery Corporation, Kokomo, Ind. Water closet bowl. 127,707; June 10.
MacCarthy, Charles F., assignor to Hygrade Sylvania Corporation Salem, Mass. Fluorescent lamp fixture. 127,685; June 10.
Marchitelli, Patsy, Arlington, assignor to M. Kushner, Brookline, Mass. Bowling alley or similar article. 127,696; June 10.
Marder, Leo, Brooklyn, N. Y. Head for a hand mirror or similar article. 127,697; June 10.
Margolin, Meyer, Elgin, Ill. Resilient insert for shoes. 127,724; June 10.
Masci, Josephine, New York, N. Y. Textile fabric. 127,754; June 10.
McCardell, Claire, New York, N. Y. Dress. 127,765; June 10.
McCullough, Jack A. (See Eitel, W. W., and McCullough.)
Melville, John. (See Ferrer, Frances, assignor.)
Michelson, Margaret, New York, N. Y. Dress. 127,766; June 10.
Milton, John K., Chicago, Ill. Foot invigorator. 127,686; June 10.
Mishawaka Rubber and Woolen Manufacturing Company. (See Sarkisian, Nishan S., assignor.)
Montmartin, Guy H., New York, N. Y. Scarf holder or similar article. 127,740; June 10.
Moore, Ruth N., Washington, D. C. Apron. 127,778; June 10.
Morse Andrews Co. (See Morse, William J., assignor.)
Morse, William J., assignor to Morse Andrews Co., Attleboro, Mass. Tie holder. 127,779; June 10.
Mosell, Frederic, New York, N. Y. Brooch. 127,708; June 10.
Neish, Michael E. (See Tonelli, Joseph L., assignor.)
Neptune Meter Company. (See Soper, Henry F., assignor.)
Newark Stove Company. (See Bradbury, W. T., and Lieber, assignors.)
Nitza, Theodore, and E. W. Karl, Painesville, Ohio. Game board. 127,698; June 10.
Owens-Illinois Glass Company. (See Lorenzen, Arnold I., assignor.)
Parks, Elizabeth, Los Angeles, Calif. Breastpin or the like. 127,699; June 10.
Paschke, William, Fairbault, Minn. Hoe head or similar article. 127,700; June 10.
Petzold, William B., Pittsfield, Mass., assignor to Electric Vacuum Cleaner Co. Inc. Vacuum cleaner casing. 127,725; June 10.
Petzold, William B., Pittsfield, Mass., assignor to General Electric Company. Desk calendar case or similar article. 127,726; June 10.
Phoenix Textile Printing Corp. (See Haslam, Carl, assignor.)
Pietrzyk, Myron H., San Francisco, Calif. Combined bottle opener and key ring. 127,727; June 10.
Radelle Lingerie Corp. (See Sussberg, Victor L., assignor.)
Reardon, James M., Minneapolis, Minn. Commemorative emblem. 127,701; June 10.
Rice, Newton J., Fairhaven, N. J., assignor to Wimelbacher & Rice, New York, N. Y. Mitten. 127,780; June 10.
Rosenfeld, George L., Cleveland, Ohio. Combined figure display and container. 127,718; June 10.
Ryan, Dennis F., Belmont, assignor to John Bradshaw Company, Boston, Mass. Combined bottle and dispensing cup. 127,687; June 10.
Sarkisian, Nishan S., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Garment curing form. 127,688; June 10.
Sears, Roebuck and Co. (See Hodgeman, Clare E., assignor.)
Sherman, Austin, et al. (See Christensen, Einar L., assignor.)
Soper, Henry F., East Orange, N. J., assignor to Neptune Meter Company. Automatic cut-off device for dispensing apparatus. 127,689; June 10.
Spiegel, Gabriel B., Chicago, Ill. Fountain. 127,719; June 10.
Staehle, Bruno, New York, N. Y. Dress. 127,767; June 10.
Staehle, Bruno, New York, N. Y. Coat. 127,768; June 10.
Staehle, Bruno, New York, N. Y. Dress. 127,769; June 10.
Staehle, Bruno, New York, N. Y. Dress. 127,770; June 10.
Staehle, Bruno, New York, N. Y. Dress. 127,771; June 10.
Stein-Tobler Co. Inc. (See Hallbauer, Otto, assignor.)
Stoiber, Joseph. (See Tuttle, F. E., and Stoiber.)
Stone, Sidney N., Cedarhurst, N. Y. Jewelry finding for pins or other similar articles of jewelry. 127,781; June 10.
Sussberg, Victor L., New Rochelle, assignor to Radelle Lingerie Corp., Long Island City, N. Y. Fagoted trimming. 127,741; June 10.
Tonelli, Joseph L., Los Angeles, Calif., assignor of one-half to M. E. Neish, San Leandro, Calif. Combination salad fork and spoon. 127,728; June 10.
Tonelli, Joseph L., Los Angeles, Calif., assignor of one-half to M. E. Neish, San Leandro, Calif. Combination double salad fork. 127,729; June 10.
Transogram Company Inc. (See Weiss, Michael, assignor.)
Tri-Pak Gun Kit, Inc. (See Hansen, Clarence L., assignor.)
Tuttle, Fordyce E., and J. Stoiber, Rochester, N. Y. Photographic printing apparatus. 127,730; June 10.
Walker, George W., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Antomobile bumper or similar article. 127,742; June 10.
Weinstein, Morris, New York, N. Y. Coat. 127,772; June 10.
Weinstein, Morris, New York, N. Y. Coat. 127,773; June 10.
Weinstein, Morris, New York, N. Y. Coat. 127,774; June 10.
Weinstein, Morris, New York, N. Y. Coat. 127,775; June 10.
Weiss, Michael, Brooklyn, assignor to Transogram Company Inc., New York, N. Y. Tenpin holder or similar article. 127,702; June 10.
Wimelbacher & Rice. (See Rice, Newton J., assignor.)
Winchell, Charles L., Hinsdale, Mass. Game board. 127,703; June 10.
Yarmo, Norman, et al. (See Bergman, Hyman W., assignor.)
Zendman, Isaac, New York, N. Y. Lace. 127,755; June 10.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF JUNE, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Charles C., Pittsfield, Mass., assignor to General Electric Company. Liquid heater. 2,245,085; June 10.
Abegg & Reinhold Co. Ltd. (See Nudson, T. T., and Abegg, assignors.)
Abegg, Walter A. (See Nudson, T. T., and Abegg.)
Abgarian, Aram. (See Simpson, H. W., and Abgarian.)
Abraham, Herbert, assignor to The Ruberoid Co., New York, N. Y. Shingle. 2,245,062; June 10.
Abramson, George A., Iron, Minn. Fish lure. 2,244,980; June 10.
Abresch, William Y., Gastonia, N. C. Adjustable table and back rest. 2,245,120; June 10.
Abresch, William Y., Gastonia, N. C. Back rest. 2,245,121; June 10.
Acrotorque Company, The. (See Orshansky, Elias, Jr., assignor.)
Adams, Henry T., Chicago, Ill. Binder. 2,244,663; June 10.
Addink, Nicolaas W. H., R. D. Bügel, and W. C. van Geel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn. Building up stratified electrode systems. 2,244,664; June 10.
Adlake Company, The. (See Alm, Henry G., assignor.)
Adlake Company, The. (See Stewart, Lemuel L., assignor.)
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake control means. 2,245,424; June 10.
Air-Way Electrical Appliance Corporation. (See Dow, Dewey M., assignor.)
Aircraft Screw Products Company. (See Caminez, Harold, assignor.)
Aitchison, Thomas C., Pittsfield, Mass., assignor to General Electric Company. Variable capacity reservoir. 2,245,247; June 10.
Aktiebolaget Facit. (See Carlstrom, Bengt, assignor.)
Aktiebolaget Gerh. Arehns Mekaniska Verkstad. (See Danielsson, Paul, assignor.)
Aktiebolaget Ljungströms Ångturbin. (See Lysholm, Alf, assignor.)
Aktiengesellschaft Cilander. (See Müller, Hermann, assignor.)
Alexander Brothers, Inc. (See deRabot, John L., assignor.)
Alexander, George, Lynn, Mass., assignor to General Electric Company. Liquid coating composition and making same. 2,245,245; June 10.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Navigation and landing of aircraft in fog. 2,245,246; June 10.
Alford, Andrew, assignor to International Telephone Development Co., Inc., New York, N. Y. Modulation system. 2,244,756; June 10.
Allen, Frank B., Lower Merion Township, Montgomery County, assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa. Quenching fluid coked petroleum residue and apparatus for carrying out the method. 2,245,549; June 10.
Allen, Howard G., Niagara Falls, assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Bag mouth trimming and creasing device. 2,245,063; June 10.
Allen, John C., Tuckahoe, and N. V. Fedotoff, Lynbrook, assignors to Technigraph, Inc., New York, N. Y. Method and means for transmitting and indicating information. 2,244,665; June 10.
Allen, Joseph C., Carbon Hill, Ala. Paper bag holder. 2,245,518; June 10.
Allen-Sherman-Hoff Company, The. (See Allen, Frank B., assignor.)
Aller, Willis F. (See Poock, L. F., and Aller.)
Alm, Henry G., Elkhart, Ind., assignor to The Adlake Company. Lighting fixture. 2,244,738; June 10.
Aluminum Company of America. (See Stroup, Philip T., assignor.)
Aluminum Company of America. (See Von Lynn, Charles F., assignor.)
Amco, Incorporated. (See Geer, Paul L., assignor.)
American Brake Company, The. (See McGowan, Thomas R., assignor.)
American Brake Shoe and Foundry Company, The. (See Huber, A. F., and Houston, assignors.)
American Cyanamid Company. (See Kirk, Philip M., assignor.)
American Cyanamid Company. (See Northey, E. H., and Hultquist, assignors.)
American Felt Company. (See Hately, Furness H., assignor.)
American Maize-Products Company. (See Walsh, James F., assignor.)
American Mine Door Company, The. (See Gurney, Albert J. and G. D., assignors.)
American Ore Reclamation Company. (See Shallock, Edward W., assignor.)
American Reenforced Paper Company. (See Sherman, John C., assignor.)
American Rock Wool Corporation. (See Drill, Daniel C., assignor.)
American Securit Company. (See Long, Bernard, assignor.)
American Smelting and Refining Company. (See Poland, Frank F., assignor.)
American Well Works, The. (See Hartman, Knute, assignor.)
Amity Leather Products Co. (See Stember, Bernard, assignor.)
Amsler, Alfred J., Schaffhausen, Switzerland. Clamping chuck. 2,245,316; June 10.
Anaconda Wire & Cable Company. (See Whittaker, William A., assignor.)
Anderson, Orlin L., Lansing, assignor to General Motors Corporation, Detroit, Mich. Thermostatically controlled engine cooling system. 2,244,932; June 10.
Andrussow, Leonid, Mannheim, and K. Braun, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of oxides of nitrogen. 2,245,550; June 10.
Apex Electrical Manufacturing Company, The. (See Rhode, Martin E., assignor.)
Appleman, Wilbur R., assignor to Marathon Electric Manufacturing Corporation, Wausau, Wis. Electric motor. 2,244,757; June 10.
Armitage, Joseph B., Wauwatosa, and J. J. Lenert, Milwaukee, assignors to Kearney & Trecker Corporation, West Allis, Wis. Machine tool. 2,244,985; June 10.
Armour and Company. (See Ralston, A. W., and Harwood, assignors.)
Arms, Merton H., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Spindle and bearing therefor. 2,245,378; June 10.
Armspear Manufacturing Company. (See Pixley, Judson S., assignor.)
Armstrong, Ralph R., San Francisco, Calif. Vehicular traffic switch. 2,244,933; June 10.
Asch, Sunny, New York, N. Y. Child's bib. 2,244,656; June 10.
Askania-Werke A. G. vormals Centralwerkstatt-Dessau nnd Carl Bamberg-Friedenau. (See Becker, Ewald, assignor.)
Associated Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)
Atlantic Elevator Co. (See Panter, Carl, assignor.)
Atlantic Refining Company, The. (See Griesinger, W. K., and Bettman, assignors.)
Atwood Machine Company. (See Cushman, J. E., and Kuehn, assignor.)
Atwood Machine Company. (See Winslow, Albert E., assignor.)
Auer, László, Mansfield, Mass., assignor to J. R. Newman, Washington, D. C. Manufacture of modified organic isocolloid materials. 2,244,666; June 10.
Augat, Ernest H. (See Turley, Joseph E., assignor.)
Aulenbacher, George E., and L. R. Martin, assignors to Eastman Kodak Company, Rochester, N. Y. Pretimer for shutters. 2,245,248; June 10.
Aungst, Ralph E., Avondale, assignor to Reeves Steel and Manufacturing Company, Dover, Ohio. Galvanizing apparatus. 2,245,425; June 10.
Autographic Register Company. (See Borchers, W. G., and Brenn, assignors.)
Automatic Signal Corporation. (See Barker, John L., assignor.)
Automotive Products Company Limited. (See Parker, Sydney M., assignor.)
Babcock & Wilcox Company, The. (See Mayo, Dana H. N., assignor.)
Bachman, William N., et al. (See Carlton, Paul, assignor.)
Backstay Welt Company. (See Barr, Glen G., assignor.)
Bailey, Joseph E., assignor to Cargill, Incorporated, Minneapolis, Minn. Grain sampler. 2,245,519; June 10.
Baker, Henry T. (See Hugh, P. G., and Baker.)
Baker, Marshall W., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,245,454; June 10.
Baker, Robert D., Birmingham, Mich. Paving machine. 2,245,426; June 10.

Balfe, George T., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich. Apparatus for feeding and cutting sheet material. 2,245,122; June 10.
Ball Brothers Company. (See Mingle, Joseph P., assignor.)
Banks, George B., Chelmsford, England, assignor to Radio Corporation of America. Electron discharge device. 2,245,174; June 10.
Bannerot, Richard A., Martinez, assignor to Shell Development Company, San Francisco, Calif. Recovering mercaptans. 2,245,317; June 10.
Banning, Frederick D., Cleveland, Ohio, assignor to Talon, Inc. Machine for making fasteners. 2,244,667; June 10.
Bany, Herman, Lansdowne, Pa., assignor to General Electric Company. Elastic fluid turbine turning gear control system. 2,245,175; June 10.
Barber-Colman Company. (See Lilja, Edgar D., assignor.)
Barber-Colman Company. (See Peterson, Burt A., assignor.)
Barbizon Corporation, The. (See Burger, Gladys, assignor.)
Barker, John L., Norwalk, assignor to Automatic Signal Corporation, East Norwalk, Conn. Compensating circuit for amplifiers. 2,245,176; June 10.
Barnard, Kenneth H. (See Corbett, J. F., and Barnard.)
Barnes Motor Developments Company. (See Barnes, William B., assignor.)
Barnes, William B., assignor to Barnes Motor Developments Company, Muncie, Ind. Planetary gear drive. 2,244,668; June 10.
Barr, Glen G., assignor to Backstay Welt Company, Union City, Ind. Reinforcing strip for finishing welts and the like. 2,245,540; June 10.
Barton, Loy E., Collingswood, N. J., assignor to Radio Corporation of America. Signal amplifying system. 2,245,379; June 10.
Bass, Gustavis A., Liberty, Tex. Rod elevator device. 2,245,380; June 10.
Baudendistel, Mathias H., Jr. (See Tilt, E. E., and Baudendistel.)
Bauer, Fritz, Dessau, and G. Wilmanns, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Process of producing methinecyanine dyestuffs. 2,245,177; June 10.
Baume & Marpent S. A. (See Pringiers, Paul, assignor.)
Baumann, Fritz, and H.-W. Schwechten, Leverkusen-I. G. Werk, Germany, assignors to General Aniline & Film Corporation. Dyestuffs of the anthraquinone series. 2,245,520; June 10.
Baumann, Fritz, and H.-W. Schwechten, Leverkusen I. G.-Werk, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Dyestuffs of the anthraquinone series. 2,245,521; June 10.
Beach, Ralph M. (See Fritz, J. H., and Beach.)
Bechmann, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Piezoelectric crystal. 2,245,178; June 10.
Beck, Johnae H., assignor to The Geo. F. Cram Company, Indianapolis, Ind. Map hanger. 2,244,865; June 10.
Beck, Ludwig, Berlin-Zehlendorf, Germany. Starting device for carburetors. 2,245,139; June 10.
Becker, Ewald, Berlin-Steglitz, assignor to Askania-Werke A. G. vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau. Control device for the fuel feed of internal combustion engines. 2,244,669; June 10.
Beerli, Louis, Engelberg, Switzerland. Ski having metal edgings. 2,245,319; June 10.
Behr-Manning Corporation. (See Schacht, Elmer C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Dickten, Emil, Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Horton, Arthur W., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Riesz, R. R., and Wertz, assignors.)
Bell Telephone Laboratories, Incorporated. (See Samuel, Arthur L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Schimpf, Luther G., assignor.)
Bell, William B., San Juan, P. R., assignor to Progress, Incorporated. Power transmission mechanism. 2,244,657; June 10.
Bell, William L., assignor to G. H. Chick, Oakland, Calif. Orthopedic table. 2,244,758; June 10.
Belloc, Maurice, assignor to Societe Nobel Francaise, Paris, Seine, France. Fabric printing. 2,245,123; June 10.
Bemiss, Robert P., San Francisco, Calif. Container. 2,245,064; June 10.
Bendix Aviation Corporation. (See Chappell, R. R., and Colt, assignors.)
Bendix Home Appliances, Inc. (See Scott, R. W., and McCollum, assignors.)
Benedict, Edward L, New York, N. Y. Cooking and vending machine. 2,244,670; June 10.
Bennett, Claude C., South Bend, Ind., assignor to A. E. Feragen, Inc., Seattle, Wash. Axle straightener. 2,244,934; June 10.
Bennett, Irving T. (See Bunn, Edward S., and Bennett.)
Berg, Ragnar, and G. E. Salkvist, Pittsburgh, Pa., assignors to Koppers Company. Coke-oven door mechanism. 2,244,671; June 10.
Berger, Herbert R., Brooklyn, assignor to J. F. Jelenko & Co., Inc., New York, N. Y. Dental casting machine. 2,245,065; June 10.
Berglund, Malcom F., Chicago, Ill. Signal control. 2,244,981; June 10.
Bernhard, Albrecht, and G. Beyrich, assignors to Metrawatt Aktiengesellschaft, Fabrik Elektrischer Messgerate, Nuremberg, Germany. Photoelectric exposure meter. 2,245,522; June 10.
Bernhardt, Rudolph, Chicago, Ill. Server or dispenser. 2,245,523; June 10.
Bernstein, Isidor M., Cincinnati, Ohio, assignor to Interchemical Corporation, New York, N. Y. Making pigmented acid resin emulsion. 2,245,100; June 10.
Berul Piston Ring Company. (See Carlton, Paul.)
Bettman, Bernard. (See Griesinger, W., and Bettman.)
Beyrich, Guido. (See Bernhard, A., and Beyrich.)
Bezant, Ronald. (See Finlayson, D., and Bezant.)
Bial, Heinz. (See Peter, R., and Bial.)
Bichowsky, Francis R., Ann Arbor, Mich., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,245,455; June 10.
Biggs, Glenn L., Kenmore, N. Y. Key holder. 2,245,381; June 10.
Binger, Gustave H., assignor to L. Meade, Topeka, Kans. Camp stove. 2,244,935; June 10.
Binks Manufacturing Company. (See Garrison, F. G., and Christenson, assignors.)
Bird, Charles, Dayton, Ohio. Draft control and fly ash separator. 2,244,936; June 10.
Blank, John, Boerne, Tex. Portable enclosure. 2,245,318; June 10.
Blattner, Robert F. (See Mihalyi, J., and Blattner.)
Bletso, Bruce N., East Cleveland, Ohio. Die mounting. 2,245,320; June 10.
Bloom, Frederick S., Pittsburgh, Pa. Combustion apparatus. 2,244,821; June 10.
Bock, Eugen. (See Menger, A., Bock, and Didden.)
Bogardus, Phil S., assignor of one-half to H. P. Maiers, Council Bluffs, Iowa. Valve. 2,244,759; June 10.
Bohm, William, et al. (See Dondineau, J. L., and White, assignors.)
Boivie, Jean I. R., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,245,179; June 10.
Bollenrath, Franz. (See Rohn, W., Bollenrath, and Cornelius.)
Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track switch connecting mechanism. 2,245,427; June 10.
Bone, Herbert L., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Speed responsive device. 2,244,760; June 10.
Bonn, Norman E., Philadelphia, Pa. Measuring apparatus. 2,245,124; June 10.
Bonney, Jack C., Baytown, Tex. Protractor. 2,245,321; June 10.
Borchers, William G., Hoboken, and C. W. Brenn, Montclair, assignors to Autographic Register Company, Hoboken, N. J. Manifolding. 2,245,524; June 10.
Bork, George H., Holyoke, assignor to Harvey-Whipple Incorporated, Springfield, Mass. Boiler. 2,245,322; June 10.
Boston Woven Hose & Rubber Company. (See Cole, Harold O., assignor.)
Bouchard, Marcel W., Springfield, Mass. Dispensing device. 2,245,066; June 10.
Bowser, Percy L., Jr., University City, assignor to The Sterling Corporation, St. Louis, Mo. Cast aluminum pulley. 2,245,456; June 10.
Boyajian, Aram, Pittsfield, Mass., assignor to General Electric Company. Assembling electromagnetic induction apparatus. 2,245,180; June 10.
Bradley, Ralph A., and D. C. Buttolph, assignors to Butler Manufacturing Company, Kansas City, Mo. Spring assembly for tank vehicles. 2,245,382; June 10.
Bradner, Donald B. (See Montgomery, W. J., and Bradner.)
Brahs, George, Hawthorne, N. J. Picker for looms. 2,245,140; June 10.
Brainard, Kenneth A., Altadena, Calif. Electrical outlet. 2,244,937; June 10.
Brandwood, John, Birkdale, Southport, England. Production of textile yarns. 2,244,761; June 10.
Brassell, Bryan, Puerto de Luna, N. Mex. Pumping mechanism. 2,245,457; June 10.
Braun, Karl. (See Andrussow, L., and Braun.)
Bray, John L., and F. R. Morral, West Lafayette, assignors to Purdue Research Foundation, La Fayette, Ind. Electrodeposition of zinc. 2,245,086; June 10.
Braymiller, Howard E. and N. F., Orchard Park, N. Y. Game board. 2,244,762; June 10.
Braymiller, Nellie F. (See Braymiller, Howard E. and N. F.)
Brenn, Carl W. (See Borchers, W. G., and Brenn.)
Brett, George F., London, England, assignor to Radio Corporation of America. Oscillatory discharge tube. 2,244,672; June 10.
Brittain, Richard J., Jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Axle box. 2,245,323; June 10.

Broberg, Earl J., assignor to P. B. Drane, Tulsa, Okla. Tank diverting valve. 2,244,982; June 10.
Brokaw, Charles A., and J. A. Renhard, Haddonfield, N. J., assignors to Radio Corporation of America. Radio receiving system. 2,245,383; June 10.
Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Cyclammonium quaternary salts. 2,245,249; June 10.
Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing cyclammonium quaternary salts. 2,245,250; June 10.
Brooks, Charles N., Birmingham, Ala. Process and apparatus for producing cylindrical ceramic tile. 2,245,181; June 10.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Transfer revoking mechanism. 2,244,866; June 10.
Brown, Clyde E., Grafton, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Needle for Axminster loom. 2,245,067; June 10.
Brown, Harry A. B., San Francisco, Calif. Refrigeration system. 2,244,904; June 10.
Brown, Homer P., Placerville, Calif. Plaster material. 2,245,458; June 10.
Brown Instrument Company, The. (See Harrison, Thomas R., assignor.)
Brown Instrument Company, The. (See Schmitt, Henry M., assignor.)
Brown, William T., Short Hills, N. J., assignor to A. G. Spalding & Bros. Inc., New York, N. Y. Making balls. 2,245,324; June 10.
Browning, James E., San Antonio, Tex. Water heating and circulating means. 2,245,325; June 10.
Brubaker, Merlin M., Lindemere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sizing of textile materials. 2,244,704; June 10.
Brugger, Emile, Valley Stream, N. Y. Controlling mechanism for radio sets. 2,244,658; June 10.
Bruker, Hobart W., assignor to George W. Swift, Jr. Inc., Bordentown, N. J. Cutting machine. 2,244,673; June 10.
Brunhoff Manufacturing Company, The. (See Karst, Clarence E., assignor.)
Brush Development Company, The. (See Gravley, C. K., and Neff, assignors.)
Bryant Chucking Grinder Company. (See Arms, Merton H., assignor.)
Buchanan, Hugh, assignor to Houdaille-Hershey Corporation, Detroit, Mich. License plate bracket. 2,244,867; June 10.
Büchi, Alfred, Winterthur, Switzerland. Horizontal internal combustion engine associated with exhaust gas turboblower means. 2,245,326; June 10.
Bucknam, James H., Cranford, N. J., assignor to The Linde Air Products Company. Remote control system for blowpipe machines. 2,244,822; June 10.
Budd, Edward G., Manufacturing Company. (See Dean, Albert G., assignor.)
Bügel, Roelof D. (See Addink, N. W. H., Bügel, and van Geel.)
Bugatti, Ettore, Paris, France. Power plant for airplanes. 2,244,763; June 10.
Bühler Brothers. (See Meyer, Fritz, assignor.)
Bühler, Georg, Vienna, Germany. Copper alloy. 2,245,459; June 10.
Bullard Company, The. (See Bullard, Edward P., III, assignor.)
Bullard, Edward P., III, Fairfield, Conn., assignor to The Bullard Company. Chuck operating mechanism. 2,245,384; June 10.
Bullowa, Jesse G. M., New York, and H. D. Ratish, Brooklyn, N. Y. Apparatus for enriching air. 2,244,659; June 10.
Bundy, William Oliver, Jr., and C. S. Lewis, El Paso, assignors of thirty-three and one-third per cent to I. Ehrlich, El Paso County, Tex. Pressure actuated electrical tire signal. 2,245,460; June 10.
Bunn, Edward S., and I. T. Bennett, assignors to Revere Copper and Brass Incorporated, Rome, N. Y. Copper-base alloy. 2,245,327; June 10.
Burger, Gladys, Elmhurst, Long Island, assignor to The Barbizon Corporation, New York, N. Y. Lady's slip. 2,245,141; June 10.
Burke, James P., Knoxville, Tenn., assignor to B. L. Quarnstrom and F. L. McLaughlin, Detroit, Mich. Snap fastener nut. 2,244,823; June 10.
Butler Manufacturing Company. (See Bradley, R. A., and Buttolph, assignors.)
Buttolph, Doyle D. (See Bradley, R. A., and Buttolph.)
Cady, Carl S., Palouse, Wash., assignor to Fitsum Mining Company, Potlatch, Idaho. Expanding drill. 2,244,674; June 10.
Califano, Diamond P., Amsterdam, N. Y. Combination holder and comb. 2,245,328; June 10.
California Lock Company. (See Fendring, Harry E., assignor.)
Cambridge Rubber Co. (See Dunbar, Ernest W., assignor.)
Cameron, Robert T., Chattanooga, Tenn. Coffeepot. 2,245,182; June 10.
Caminez, Harold, Kew Gardens, assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y. Extracting tool. 2,244,824; June 10.
Campbell, Carleton W., assignor to C. E. Rorrer, Denver, Colo. Traffic control signal. 2,244,675; June 10.
Campbell, Richard L., Hasbrouck Heights, assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J. Television transmitting system. 2,245,428; June 10.
Canadian Refractories Limited. (See Pitt, N. P., Halferdahl, and Lathe, assignors.)
Canning, Fred, et al. (See Dondineau, J. L., and White, assignors.)
Cargill, Incorporated. (See Bailey, Joseph E., assignor.)
Carlson, Beatrice J., et al. (See Carlson, C., and Rosen, assignors.)
Carlson, Cornell, and E. M. Rosen, assignors of one-fourth to B. J. Carlson, and one-fourth to G. L. Coffey, Chicago, Ill. Tuyère construction for coal-burning stokers. 2,244,938; June 10.
Carlson, Walter A., Minneapolis, Minn., assignor to General Mills, Inc. Vacuum connection. 2,244,939; June 10.
Carlson, Wendell L., Haddonfield, N. J., assignor to Radio Corporation of America. Double heterodyne signal receiving system. 2,245,385; June 10.
Carlson, Wendell L. (See Conron, W. H., Harvey, and Carlson.)
Carlström, Bengt, assignor to Aktiebolaget Facit, Atvidaberg, Sweden. Adding and calculating machine. 2,244,825; June 10.
Carlton, Charles L., Juliaetta, Idaho. Smoking device. 2,244,764; June 10.
Carlton, Paul, assignor to W. N. Bachman, M. Jelinek, and P. Carlton, copartners under the name Berul Piston Ring Company, St. Louis, Mo. Piston ring. 2,245,386; June 10.
Carpenter, John A., West Newton, assignor to New England Paper Punch Company, Natick, Mass. Punch. 2,244,660; June 10.
Carroll, Burt H. (See Trivelli, A. P. H., and Carroll.)
Carruth, Herman A., Mount Carmel, assignor to National Folding Box Company, New Haven, Conn. Container. 2,244,940; June 10.
Carver, Emmett K., and C. L. A. Wynd, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of photographic film base. 2,245,420; June 10.
Castor, Barney. (See Christensen, A. C., and Castor.)
Celanese Corporation of America. (See Finlayson, D., and Bezant, assignors.)
Celanese Corporation of America. (See Schneider, George, assignor.)
Chambers, William A., Ewell, assignor to Ronald Trist & Co. Limited, Slough, England. Magnetic switch. 2,245,125; June 10.
Champion Paper and Fibre Company, The. (See Montgomery, W. J., and Bradner, assignors.)
Chappell, Ralph R., Richmond, Va., and R. B. Colt, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind. Position reproducing means. 2,245,461; June 10.
Chicago Flexible Shaft Company. (See Delmonte, Jack, assignor.)
Chicago Seal Company. (See Karlberg, Arvid E., assignor.)
Chicago Telephone Supply Company. (See Schellenger, Newton C., assignor.)
Chick, Gilbert H. (See Bell, William L., assignor.)
Chilton, Roland, Ridgewood, assignor, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J. Articulated propeller. 2,245,251; June 10.
Chirelstein, Nathan, Chicago, Ill. Cube tap. 2,245,068; June 10.
Christ, Bruno, H. Pardon, and F. Hanusch, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Production of olefin oxides by catalytic oxidation of olefins. 2,245,183; June 10.
Christensen, Alfred C., and B. Castor, assignors to H. S. Simpson, Chicago, Ill. Agitator muller. 2,244,765; June 10.
Christenson, Alfred W. (See Garrison, F. G., and Christenson.)
Christenson, Gust J., assignor to Locomotive Firebox Company, Chicago, Ill. Thermic siphon. 2,244,676; June 10.
Christian, John G., executor. (See Müllchen, Herman D. R.)
Christianson, Andrew, Hammond, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Railway car. 2,244,661; June 10.
Christie, Frederik, New York, N. Y. Baking machine. 2,245,387; June 10.
Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Machine for lapping toothed elements. 2,245,462; June 10.
Ciba Pharmaceutical Products, Incorporated. (See Legerlotz, Helmut, assignor.)
Clanton, Lee, Rockford, Wash. Sewing set. 2,245,087; June 10.
Clarke, Walter R., assignor to The Vulcan Radiator Company, Hartford, Conn. Heat transfer unit. 2,245,069; June 10.
Cleghorn, William G., Claygate, England. Toggle operated press. 2,245,252; June 10.
Cleveland Steel Barrel Company, The. (See Courtright H. F., and Stiles, assignors.)
Climalene Company, The. (See Deuble, Arthur W., assignor.)

Codde, Everett R., Oakland, Calif. Direction signal. 2,244,983; June 10.

Coey, Stewart C., Glen Ridge, N. J., assignor to Research Corporation, New York, N. Y. Control of air condition. 2,245,464; June 10.

Coffey, George L., et al. (See Carlson, C., and Rosen, assignors.)

Cohn, Herman, Baltimore, Md. Combination shirt and trouser holder. 2,245,463; June 10.

Cole, Albert B., Rockingham, N. C. Portable cabinet. 2,245,465; June 10.

Cole, Harold O., Holliston, assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass. Hose nipple connection and joint. 2,245,101; June 10.

Colt, Rutger B. (See Chappell, R. R., and Colt.)

Commerce Pattern Foundry and Machine Company. (See Rutt, Edward A., assignor.)

"Campagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue." (See Siedentopf, Karl, assignor.)

Conmar Products Corporation. (See Ulrich, Frederick, assignor.)

Conron, William H., Haddonfield, R. L. Harvey, Oaklyn, and W. L. Carlson, Haddonfield, N. J., assignors to Radio Corporation of America. Preselection tuning system. 2,245,388; June 10.

Consolidated Packaging Machinery Corporation. (See Allen, Howard G., assignor.)

Consolidated Water Power & Paper Company, et al. (See Thiele, W. F., and Richmond, assignors.)

Consortium fur Elektrochemische Industrie G. m. b. H. (See Halbig, P., and Treibs, assignors.)

Cooke, James W., Schenectady, N. Y., assignor to General Electric Company. Control system. 2,245,253; June 10.

Cooney, Robert E., New Haven, Conn. Vessel-leveling device for galley ranges. 2,245,254; June 10.

Cooper, Charles L., assignor to Sunbeau Oil Burner Company, Inc., Los Angeles, Calif. Oil burner. 2,244,766; June 10.

Cooper, Colin. (See Shimwell, Oliver and D. W., assignors.)

Corbett, James F., Lowell, and K. H. Barnard, Andover, assignors to Pacific Mills, Lawrence, Mass. Treatment of rayon. 2,244,767; June 10.

Cornelius, Heinrich. (See Rohn, W., Bollenrath, and Cornelius.)

Cornell, Fay D., Pasadena, Calif. System of plant production. 2,244,677; June 10.

Corner, George H. C., Sutton Coldfield, England, assignor to Talon, Inc. Adjustable fastening device. 2,245,255; June 10.

Corning Glass Works. (See Hood, Harrison P., assignor.)

Cosmocolor Corporation. (See Gilmore, Otto C., assignor.)

Cosper, Andy B. (See Holmboe, H., and Cosper.)

Courtright, Harry F., Centerburg, and C. S. Stiles, Cleveland Heights, assignors to The Cleveland Steel Barrel Company, Cleveland, Ohio. Container. 2,245,430; June 10.

Cox, David C., Lowell, assignor to Electric Sorting Machine Company, Grand Rapids, Mich. Sorting machine. 2,244,826; June 10.

Cram, Geo. F., Company, The. (See Beck, Johnse H., assignor.)

Crane, Carlton L. (See Malm, C. J., and Crane.)

Crane Co. (See Kanter, Jerome J., assignor.)

Crane Co. (See McCurdy, George R., assignor.)

Craver, Augustus E. (See Reichel, F. H., and Craver.)

Crawford, Jack, New York, N. Y. Producing multicolored relief pictures. 2,244,905; June 10.

Crawford, Marco B., assignor to The Gates Rubber Company, Denver, Colo. Potato digger chain and cover therefor. 2,244,827; June 10.

Creager, Frederick L., Camden, N. J., assignor to Radio Corporation of America. Automatic tuning mechanism. 2,244,678; June 10.

Cremer, Leonhard, Bad Kreuznach, Germany. Coffee brewing apparatus. 2,245,389; June 10.

Critchfield, Robert M., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Subassembly for overrunning clutches. 2,245,431; June 10.

Crocella, Thomas, New York, N. Y. Accessory for garment pressing irons. 2,245,184; June 10.

Crompton & Knowles Loom Works. (See Brown, Clyde E., assignor.)

Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)

Crompton & Knowles Loom Works. (See Kronoff, Clarence R., assignor.)

Crosman, Loring P., Maplewood, assignor to Monroe Calculating Machine Company, Orange, N. J. Line spacer. 2,245,142; June 10.

Crow, William H., Stockton, Calif. Pumping system. 2,245,256; June 10.

Crown Cork & Seal Company. (See Weisenburg, Andrew, assignor.)

Crumrine, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Lens mount. 2,245,257; June 10.

Culver, Clifford J. (See Ecklund, C. V., and Culver.)

Cumfer, Donald A., Ridgewood, N. J., assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Cop holder. 2,245,070; June 10.

Currie, William E. (See Pier, M., and Free, assignors.)

Curtiss Wright Corporation. (See Rossmann, Peter F., assignor.)

Cushman, Joseph E., Stonington, Conn., and H. E. Kuehn, Hopkinton, R. I., assignors to Atwood Machine Company. Package holder. 2,244,662; June 10.

Danielsson, Paul, assignor to Aktiebolaget Gerh, Arehns Mekaniska Verktad, Stockholm, Sweden. Eviscerating and cleaning fish. 2,245,329; June 10.

Danielsson, Paul, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden. Method of and device for dressing fish. 2,245,330; June 10.

Darrah, William A., Chicago, Ill. Apparatus for heat application. 2,244,768; June 10.

Darrell, George H., Stonington, Conn. Trap. 2,245,258; June 10.

Davis, Ernest W., River Forest, Ill. Musical instrument. 2,245,432; June 10.

Davis, Morton, South Orange, assignor to The Insel Company, Arlington, N. J. Dressing case. 2,244,984; June 10.

Dawes, Robert T., assignor to Thomas Taylor & Sons, Inc., Hudson, Mass. Footwear. 2,245,466; June 10.

Dawley, John G., Olympia, Wash. Bed. 2,245,331; June 10.

Day, George E., Ottawa, Ontario, Canada. Banana hook. 2,245,126; June 10.

Dazey Churn & Manufacturing Co. (See Moeller, George J., assignor.)

Dean, Albert G., Narberth, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. End construction for rail cars. 2,245,390; June 10.

Dearborn Chemical Company. (See Hinsch, Walter H., assignor.)

Deere & Company. (See White, Charles H., assignor.)

Degnon, William H., Cuyahoga Falls, Ohio. Inner tube. 2,244,941; June 10.

Delmonte, Jack, Park Ridge, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Electric motor and making the same. 2,245,433; June 10.

Dengel, Veronica, New York, N. Y., and B. Genet, East Orange, N. J.; assignors to Dorothy Gray, Ltd., New York, N. Y. Exercising device. 2,245,027; June 10.

De Nie, Willem L. J. (See Waterman, H. I., and De Nie.)

Denton, Charlotte S. (See Sherwood, Charlotte V. P., assignor.)

De Place, Henri L. M. J., Paris, France. Driving mechanism between rotary elements. 2,245,467; June 10.

De Rabot, John L., assignor to Alexander Brothers, Inc., Philadelphia, Pa. Leather link belt. 2,245,434; June 10.

Derman, Harry, Laurelton, Long Island, N. Y. Double sliding-door cabinet. 2,244,679; June 10.

Detroit Gasket & Mfg. Co. (See Balfe, George T., assignor.)

Detroit Harvester Company. (See Simpson, Howard W., assignor.)

Detroit Harvester Company. (See Simpson, H. W., and Abgarian, assignors.)

Detroit Hoist and Machine Company. (See Martin, Henry F., assignor.)

Deuble, Arthur W., assignor to The Climalene Company, Canton, Ohio. Carton. 2,245,185; June 10.

Dewey, Wilbur E., Omaha, Nebr. Grass cutter. 2,245,186; June 10.

Diamond Power Specialty Corporation. (See Howse, Curtis L., assignor.)

Dicely, Ralph W., assignor to Mac-It Parts Company, Lancaster, Pa. Locking means. 2,245,525; June 10.

Dick, Burns, Ferguson, assignor to Wagner Electric Corporation, St. Louis, Mo. Automatic control valve for compressors. 2,244,828; June 10.

Dick, Burns, Ferguson, assignor to the Wagner Electric Corporation, St. Louis, Mo. Brake control air valve. 2,244,829; June 10.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Azo compounds and material colored therewith. 2,245,259; June 10.

Dickey, Joseph B., and J. B. Normington, assignors to Eastman Kodak Company, Rochester, N. Y. Treating cellulose derivative materials. 2,245,260; June 10.

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compound and material colored therewith. 2,245,261; June 10.

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and material colored therewith. 2,245,262; June 10.

Dickson, James T., Los Angeles, Calif. Control valve for fluid brakes. 2,244,942; June 10.

Dickten, Emil, Jr., Totowa, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polarized relay. 2,245,391; June 10.

Didden, Paul. (See Menger, A., Bock, and Didden.)

Dietzgen, Eugene, Co. (See Langsner, Adolph, assignor.)

Distillation Products, Inc. (See Morse, Richard S., assignor.)

Ditto, Incorporated. (See Jagger, Hubert, assignor.)

Doe, Thomas B., New York, N. Y., and E. L. Rose, assignors to The Waterbury Tool Company, Waterbury, Conn. Power transmission. 2,244,830; June 10.

Doelling, George L., St. Louis, Mo. Substituted halophenol carboxylic acids and their salts. 2,244,769; June 10.

Döhle, Hinrich, Altglienicke, near Berlin, assignor to Telephon-Apparat Fabrik E. Zwietusch and Co. G. m. b. H., Charlottenburg, Berlin, Germany. Telephone system. 2,244,906; June 10.

Donahue, A. J., Corporation, The. (See Jacobs, Joseph, assignor.)

Donash, Julius, assignor of one-third to M. H. Weiss and one-third to A. Hirsch, Chicago, Ill. Arrow nock. 2,245,187; June 10.

Dondineau, James L., and R. S. White, assignors of one-ninth to P. Henze, one-ninth to F. Canning, and one-ninth to W. Bohm, Detroit, Mich. Grinding tool. 2,245,435; June 10.

Dorgelo, Eduard G. (See Lemmens, H. J., and Dorgelo.)

Dostal, John R., assignor to Sturdy-Belt Equipment Corporation, Milwaukee, Wis. Bottle carrier. 2,245,263; June 10.

Dow, Dewey M., assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio. Vacuum cleaner. 2,244,943; June 10.

Downing, Donald A., Edina, Mo. Match holder. 2,245,127; June 10.

Doyle, Morgan J. (See Hartmann, Karl F., assignor.)

Drane, Phil B. (See Broberg, Earl J., assignor.)

Drane, Phillips B., Tulsa, Okla. Diverting valve. 2,244,986; June 10.

Draper Corporation. (See Brown, Carl D., assignor.)

Draper Corporation. (See Raines, Irby L., assignor.)

Drewes, Gunther. (See Weis, A., and Drewes.)

Drichta, Edward A. and E. A., Milwaukee, Wis. Boiler and heat exchanger. 2,244,831; June 10.

Drichta, Erwin A. (See Drichta, Edward A. and E. A.)

Drill, Daniel C., assignor to American Rock Wool Corporation, Wabash, Ind. Variable speed transmission. 2,245,392; June 10.

Dufault, Homer D., Easthampton, assignor to Holyoke Heater Company, Holyoke, Mass. Water heater. 2,245,332; June 10.

Duisberg, Walther H. (See Michel, Josef M., assignor.)

Du Mont, Allen B., Laboratories, Inc. (See Campbell, Richard L., assignor.)

Du Mont, Allen B., Laboratories, Inc. (See Miller Horace G., assignor.)

Dunbar, Ernest W., Hudson, assignor to Cambridge Rubber Co., Cambridge, Mass. Manufacture of shoes. 2,244,868; June 10.

Dunn, William G., Clarinda, Iowa. Wind driven generator structure. 2,245,264; June 10.

Du Pont, E. I., de Nemours & Company. (See Brubaker, Merlin M., assignor.)

Du Pont, E. I., de Nemours & Company. (See Greenewalt, Crawford H., assignor.)

Du Pont, E. I., de Nemours & Company. (See Hill, J. W., and Maxwell, assignors.)

Du Pont, E. I., de Nemours & Company. (See Hubbuch, Leo P., assignor.)

Du Pont, E. I., de Nemours & Company. (See Loder, Donald J., assignor.)

Du Pont, E. I., de Nemours & Company. (See Marks, Barnard M., assignor.)

Du Pont, E. I., de Nemours & Company. (See Pinkney, Paul S., assignor.)

Du Pont, E. I., de Nemours & Company. (See Stallmann, O., and Prahl, assignors.)

Duro Test Corporationu. (See Spielholz, Emanuel, assignor.)

Dussol, Lucien A., Mount Marion, N. Y. Tile board. 2,245,468; June 10.

Dyer, John B., Pendleton, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine starter. 2,245,436; June 10.

Dyer, John B., Pendleton, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine starter. 2,245,437; June 10.

Dyer, John B., Pendleton, Ind., assignor to General Motors Corporation, Detroit, Mich. Engine starter. 2,245,438; June 10.

Earle, Ralph H., Wauwatosa, assignor to Line Material Company, South Milwaukee, Wis. Fuse link. 2,245,188; June 10.

Eastern Specialty Company, The. (See Fleischmann, Rudolph A. K., assignor.)

Eastman Kodak Company. (See Aulenbacher, G. E., and Martin, assignors.)

Eastman Kodak Company. (See Brooker, Leslie G. S., assignor.)

Eastman Kodak Company. (See Carver, E. K., and Wynd, assignors.)

Eastman Kodak Company. (See Crumrine, Chester W., assignor.)

Eastman Kodak Company. (See Dickey, Joseph B., assignor.)

Eastman Kodak Company. (See Dickey, J. B., and McNally, assignors.)

Eastman Kodak Company. (See Dickey, J. B., and Normington, assignors.)

Eastman Kodak Company. (See Guenther, E. G., and Faw, assignors.)

Eastman Kodak Company. (See Hughey, Carter J., assignor.)

Eastman Kodak Company. (See Lechleitner, Aloysius E., assignor.)

Eastman Kodak Company. (See Malm, C. J., and Crane, assignors.)

Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)

Eastman Kodak Company. (See Mihalyi, J., and Blattner, assignors.)

Eastman Kodak Company. (See Murray, Alexander, assignor.)

Eastman Kodak Company. (See Murray, T. F., Jr., and Kenyon, assignors.)

Eastman Kodak Company. (See Phillips, H. D., and Mihalyi, assignors.)

Eastman Kodak Company. (See Pilgrim, F. D., and Robinson, assignors.)

Eastman Kodak Company. (See Smith, Henry B., assignor.)

Eastman Kodak Company. (See Trivelli, A. P. H., and Carroll, assignors.)

Eastman Kodak Company. (See Wittel, Otto, assignor.)

Eastman Kodak Company. (See Wood, Donald L., assignor.)

Echlin Manufacturing Company. (See Lansdale, Benjamin C., assignor.)

Ecklund, Clarence V., and C. J. Culver, Flint, Mich. Pocket comb. 2,245,469; June 10.

Eclipse Lawn Mower Company. (See Roth, Lester B., assignor.)

Eddy, Willard B., assignor to Rochester Germicide Company, Rochester, N. Y. Dispensing device. 2,245,265; June 10.

Edison, Thomas A., Incorporated. (See Somers, Richard M., assignor.)

Egry Register Company, The. (See Wyrick, C. E., and Pfeiffer, assignors.)

Ehrlich, I. (See Bundy, W. O., and Lewis, assignors.)

Eitman, Joseph F., E. J. Zelt, and A. F. Mittermaier, Fort Wayne, Ind., assignors to General Electric Company. Variable transformer. 2,245,266; June 10.

Electric Sorting Machine Company. (See Cox, David C., assignor.)

Electrical Engineers Equipment Co. (See Hoye, Peder B., assignor.)

Electro Metallurgical Company. (See Kinzel, Augustus B., assignor.)

Electrolux Corporation. (See Boivie, Jean I. R., assignor.)

Electrolux Corporation. (See Fredlund, Ernst F. G., assignor.)

Electrolux Corporation. (See Lofgren, Gustaf E., assignor.

Elfstrand, Edgar W., Lindstrom, Minn. Decoy. 2,245,267; June 10.

Elkington, H. C. (See Flieler, Otto J., assignor.)

Elwell, Edwin L., Baltimore, Md., assignor to Eskimo Pie Corporation, Bloomfield, N. J. Basket for centering, filling, pinning, and dipping ice cream cones. 2,245,071; June 10.

Empire Metal Cap Co. Inc. (See Merolle, Augustus L., assignor.)

Englesson, John E., Kristinehamn, Sweden. Operating device for propellers, turbine wheels, and pump wheels having rotatable blades. 2,244,770; June 10.

Engstrom, Andrew G., and A. A. Levinson, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Preparing protein materials. 2,244,680; June 10.

Enright, John W., New Orleans, La. Shrimp-trawling device. 2,244,907; June 10.

Eskimo Pie Corporation. (See Elwell, Edwin L., assignor.)

Etes, Elmer G. (See Vanstone, Thomas J. and W. E., and Etes.)

Eureka Process Corporation. (See Foran, Edwin V., assignor.)

Everest, Herbert A., and H. C. Jennings, Los Angeles, Calif. Glider cane. 2,244,869; June 10.

Ewing, Samuel C., Scotia, N. Y., assignor to General Electric Company. Control system for alternating current motors. 2,245,189; June 10.

Fahn, Lawrence. (See Hill, C. L., and Fahn.)

Farris, Riley F., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Recovery of liquid hydrocarbons from moisture-containing well fluids. 2,245,028; June 10.

Faulkner, Fred J., Brooklyn, N. Y. Material distributing machine. 2,244,987; June 10.

Faultless Caster Corporation. (See Roth, O. C., and Wilming, assignors.)

Faw, Wendell G. (See Guenther, E. G., and Faw.)

Federal Engineering Company. (See Jackson, Aldrich L., assignor.)

Fedotoff, Nicholas V. (See Allen, J. C., and Fedotoff.)

Feinberg, David W. (See Landsman, T., and Feinberg.)

Felten & Guilleaume Carlswerk Actien-Gesellschaft. (See Meyer, Ulfilas, assignor.)

Fendring, Harry E., Los Angeles, assignor, by mesne assignments, to California Lock Company, Los Angeles County, Calif. Door lock. 2,244,682; June 10.

Feragen, A. E., Inc. (See Bennett, Claude C., assignor.)

Fergueson, Arthur P., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich. Spare wheel shelf and mounting. 2,244,872; June 10.
Ferguson, J. L., Company. (See Ferguson, John L., assignor.)
Ferguson, John L., assignor to J. L. Ferguson Company, Joliet, Ill. Container sealer. 2,244,873; June 10.
Ferrari, Charles G. (See Sherwood, R. C., and Ferrari.)
"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H. (See Jauch, Eugen, assignor.)
"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Klaiber, Fritz, assignor.)
"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Mai, W., and Richter, assignors.)
"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Post, Helmut, assignor.)
"Fides" Gesellschaft für die Verwaltung und Werwertung von Gewerblichen Schutzrechten, m. b. H. (See Werrman, Hellmut, assignor.)
Fiedler, Max G., Chester, assignor to Fiedler-Sellers Corporation, Philadelphia, Pa. Fuel nozzle for solid fuel injection engines. 2,244,874; June 10.
Fiedler-Sellers Corporation. (See Fiedler, Max G., assignor.)
Field, Crosby, Brooklyn, N. Y., assignor to Flakice Corporation, Wilmington, Del. Manufacturing heat exchange apparatus. 2,245,102; June 10.
Field, Crosby, assignor to Flakice Corporation, Brooklyn, N. Y. Method and apparatus for manufacturing ice making apparatus. 2,245,103; June 10.
Figour, Henri, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Composite conductor and contact between conductors. 2,244,771; June 10.
Finlayson, Donald, and R. Bezant, Spondon, near Derby, England, assignors to Celanese Corporation of America. Production of textile threads. 2,244,832; June 10.
Finnila, Alfred A., San Francisco, Calif. Checkbook and account record. 2,244,908; June 10.
Fisher, Samuel L., Brooklyn, N. Y. Surgical saw. 2,244,683; June 10.
Fitsum Mining Company. (See Cady, Carl S., assignor.)
Flakice Corporation. (See Field, Crosby, assignor.)
Fleischmann, Rudolph A. K., assignor to The Eastern Specialty Company, Philadelphia, Pa. Demand indicator. 2,245,393; June 10.
Flieler, Otto J., Cloyne, Ontario, assignor of twenty-five percent to H. C. Elkington, Plevna, Ontario, Canada. Clothespin. 2,245,088; June 10.
Floryk, Edward M., Rockaway, N. J. Charge forming apparatus. 2,244,681: June 10.
Foran, Edwin V., San Antonio, Tex., assignor to Eureka Process Corporation, Tulsa, Okla. Means for and method of flowing oil and gas wells. 2,244,684; June 10.
Forman, Julius M., Brooklyn, N. Y. Towel cabinet. 2,244,833; June 10.
Fox, Martin, assignor to The Seng Company, Chicago, Ill. Metal fixture for typewriter desks. 2,245,526; June 10.
Framhein, Herbert J., Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Rear end construction. 2,244,875; June 10.
Frampton, Stanley E., Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Bobbin case for sewing machines. 2,244,876; June 10.
Francis, Victor J., North Wembley, and E. Kettlewell, Wembley Park, England, assignor to General Electric Company. Hermetic seal. 2,245,304; June 10.
Franklin, O. M., Serum Company. (See Stone, Ernest G., assignor.)
Fredlund, Ernst F. G., Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,245,334; June 10.
Free, Gerhard. (See Pier, Mathias, and Free.)
Freeman, Walter R., University City, assignor to Wagner Electric Corporation, St. Louis, Mo. Combined stop light switch and fitting bolt. 2,244,834; June 10.
Frei, Max, assignor to the firm Schweizerische Industrie-Gesellschaft, Neuhausen, Switzerland. Motor truck having radial axle guiding structures. 2,245,333; June 10.
Frey, Sim, Ruschlikon, Switzerland. Producing colored zip-fastener elements. 2,245,335; June 10.
Fritz, James H., Bloomfield, and R. M. Beach, Newark, assignors to National Oil Products Company, Harrison, N. J. Paraffin emulsion. 2,244,685; June 10.
Fuchs, Günter, Schwarzenbach-on-the-Saale, Germany. Ceiling heating system. 2,245,470; June 10.
Fuller, Roy J., Pottsville, Pa. Box handling tool. 2,244,988; June 10.
Furlonge, James A. S., Hollywood, Calif. Jewelry. 2,244,944; June 10.
Fürst, Stefan. (See Reiners, W., Kahlisch, and Fürst.)
G. M. S. Corporation. (See Sloan, Theodore H., assignor.)
Gagné, Augustin. (See Lawson, R. H., and Gagné.)
Garbisch, Norbert S., Butler, Pa. Silliceous material. 2,245,473; June 10.
Gardner, Charles J., Bakersfield, assignor of one-half to A. P. Ohanneson, Shafter, Calif. Drill pipe cleaner or drier. 2,245,128; June 10.
Garrison, Frederic G., Birmingham, and A. W. Christenson, Detroit, Mich., assignors to Binks Manufacturing Company, Chicago, Ill. Distributing and circulating liquid material. 2,244,686; June 10.
Garvin, George L., assignor to South Bend Lathe Works, South Bend, Ind. Friction clutch for lathe aprons. 2,245,471; June 10.
Gates Rubber Company, The. (See Crawford, Marco B., assignor.)
Gebrüder Bühler. (See Thalmann, Emil, assignor.)
Geddings, Saint J., West Columbia, S. C. Spinning frame urum spreader. 2,244,989; June 10.
Geer, Paul L., assignor to Ameo, Incorporated, Pittsburgh, Pa. Glass annealing lehr. 2,244,772; June 10.
Geffcken, Heinrich. (See von Ende, E. F., and Geffcken.)
Geier, P. A., Company, The. (See Martinet, Eugene F., assignor.)
Genco Company. (See Thompson, Harry, assignor.)
General Aniline & Film Corporation. (See Bauer, F., and Wilmanns, assignors.)
General Aniline & Film Corporation. (See Baumann, F., and Schwechten, assignors.)
General Aniline & Film Corporation. (See Christ, B., Pardon, and Hanusch, assignors.)
General Aniline & Film Corporation. (See Zervas, Paul, assignor.)
General Aniline & Film Corporation. (See Zerweck, W., and Kunze, assignors.)
General Aniline & Film Corporation. (See Ziese, Walter, assignor.)
General Devices Corporation. (See Grabfield, John J., assignor.)
General Electric Company. (See Abbott, Charles C., assignor.)
General Electric Company. (See Aitchison, Thomas C., assignor.)
General Electric Company. (See Alexander, George, assignor.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Bany, Herman, assignor.)
General Electric Company. (See Boyajion, Aram, assignor.)
General Electric Company. (See Cooke, James W., assignor.)
General Electric Company. (See Eitman, J. F., Zeit, and Mittermaier, assignors.)
General Electric Company. (See Ewing, Samuel C., assignor.)
General Electric Company. (See Francis, V. J., and Kettlewell, assignors.)
General Electric Company. (See Goodwin, Raymond W., assignor.)
General Electric Company. (See Goss, W. R., and Shoults, assignors.)
General Electric Company. (See Gugel, Hans, assignor.)
General Electric Company. (See Kjolseth, Ole K., assignor.)
General Electric Company. (See Lemmens, H. J., and Dorgelo, assignors.)
General Electric Company. (See McMahan, Kenton D., assignor.)
General Electric Company. (See McNairy, J. W., and Webb, assignors.)
General Electric Company. (See Nelson, Evan H., assignor.)
General Electric Company. (See Roberts, Willard A., assignor.)
General Electric Company. (See Smith, Chester W., assignor.)
General Electric Company. (See Suits, Chauncey G., assignor.)
General Electric Company. (See Truex, George O., assignor.)
General Electric Company. (See Webb, L. W., and McNairy, assignors.)
General Electric Company. (See Woodworth, John L., assignor.)
General Mills, Inc. (See Carlson, Walter A., assignor.)
General Mills, Inc. (See Long, George, assignor.)
General Mills, Inc. (See Sherwood, R. C., and Ferrari, assignors.)
General Motors Corporation. (See Anderson, Orlin L., assignor.)
General Motors Corporation. (See Baker, Marshall W., assignor.)
General Motors Corporation. (See Bichowsky, Francis R., assignor.)
General Motors Corporation. (See Brittain, Richard J., Jr., assignor.)
General Motors Corporation. (See Critchfield, Robert M., assignor.)
General Motors Corporation. (See Dyer, John B., assignor.)
General Motors Corporation. (See Hull, Harry B., assignor.)
General Motors Corporation. (See Jacobs, James W., assignor.)
General Motors Corporation. (See Klopak, Joseph, assignor.)

General Motors Corporation. (See Lenz, A., Hall, and Wilson, assignors.)
General Motors Corporation. (See Lignian, Jean A., assignor.)
General Motors Corporation. (See Pearce, George C., assignor.)
General Motors Corporation. (See Starr, Frank F., assignor.)
General Railway Signal Company. (See Preston, N. D., and Hitchcock, assignors.)
Genet, Blanche. (See Dengel, V., and Genet.)
Geneva Processes, Inc. (See McLean, William A., assignor.)
Gerhold, Clarence G., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of olefin hydrocarbons. 2,245,143; June 10.
Gilbert, Walton E., Los Angeles, assignor to Shell Development Company, San Francisco, Calif. Sucker rod fatigue testing machine. 2,245,269; June 10.
Glidea, John F., Coaldale, Pa. Automatic draft regulator. 2,244,990; June 10.
Gillette Safety Razor Company. (See Hanley, John A., assignor.)
Gilley, Thomas G., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Mixing device. 2,245,029; June 10.
Gilmore, Otto C. Van Nuys, Calif., assignor to Cosmocolor Corporation, New York, N. Y. Multiple image film gate for multipack films. 2,244,991; June 10.
Glidden Company, The. (See Engstrom, A. G., and Levinson, assignors.)
Glidden Company, The. (See Mowlds, Kenneth S., assignor.)
Goldberg, Julius M., New York, N. Y. X-ray angulator instrument. 2,245,395; June 10.
Goldsmith, Alfred N., and H. R. Menefee, New York, W. Mayer, Larchmont, and F. Kastlian, assignors to I-R System, Inc., New York, N. Y. Image formation. 2,244,687; June 10.
Goldsmith, Alfred N., and H. R. Menefee, New York, W. Mayer, Larchmont, and F. Kastlian, assignors to I-R System, Inc., New York, N. Y. Image formation and apparatus for forming images. 2,244,688; June 10.
Goldstein, Aaron D., assignor of one-half to J. Rothman, New York, N. Y. Textile material. 2,244,835; June 10.
Goldstein, Lewis W., assignor to Lipton Manufacturing Co., Inc., New York, N. Y. Presser plate for dispensing machine feed tables. 2,245,472; June 10.
Goodale, Edgar C., Olympia, Wash. Device for graphically solving complex quantities. 2,244,945; June 10.
Goode, John A. R., Romford, England. Grip-and-release device. 2,245,270; June 10.
Goodwin, Raymond W., Cleveland Heights, assignor to General Electric Company. Lead glaze. 2,245,541; June 10.
Goodyear Footwear Corporation. (See Hoenemann, T., and Stuart, assignors.)
Goss, Wesley R., Fort Wayne, Ind., and D. R. Shoults, Schenectady, N. Y., assignors to General Electric Company. Dynamoelectric machine. 2,245,268; June 10.
Gottesfeld, Benjamin H. and M. R., Denver, Colo. Tubing clamp for intravenous operations. 2,245,030; June 10.
Gottesfeld, Morris R. (See Gottesfeld, Benjamin H. and M. R.)
Gottlieb, Milton L., New York, N. Y. Apparatus for making separable fasteners. 2,245,031; June 10.
Grabfield, John J., assignor to General Devices Corporation, Cincinnati, Ohio. Photographic device. 2,245,527; June 10.
Gram, Carl F., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Heating element. 2,244,689; June 10.
Gram, Carl F. (See Uytenbogaart, J., and Gram.)
Gravley, Charles K., and J. J. Neff, assignors to The Brush Development Company, Cleveland, Ohio. Piezoelectric device. 2,244,600; June 10.
Gray, Dorothy, Ltd. (See Dengel, V., and Genet, assignors.)
Green, Isaac H. C., Central Falls, and E. St. Pierre, Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Knitting machine. 2,244,870; June 10.
Greenewalt, Crawford H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing linear polyamides. 2,245,129; June 10.
Greis, Henry N. (See McElwaine, Clayton B., assignor.)
Greubel, Paul W., Astoria, Long Island, assignor to Interchemical Corporation, New York, N. Y. Manufacturing coated pigments. 2,245,104; June 10.
Griesinger, William K., Lansdowne, and B. Bettman, Cynwyd, assignors to The Atlantic Refining Company, Philadelphia, Pa. Petroleum nitrosulphonic acids and method of making same. 2,245,190; June 10.
Griffith, W. A. (See Smith, George D., assignor.)
Griffith, William B., Audubon, N. J. Actuator for automatic sprinklers. 2,245,144; June 10.
Griner, Harry B., Delanco, N. J. Razor. 2,244,909; June 10.
Grizey, George J., Canton, assignor to Veeder-Root Incorporated, Hartford, Conn. Stop means for shafts of recorders and the like. 2,245,032; June 10.
Gross, Hugo, Brooklyn, and J. A. Potenza, Ford Warthworth, N. Y. Switch. 2,244,836; June 10.
Guenther, Edgar G., and W. G. Faw, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of pubescent yarns. 2,245,191; June 10.
Guerrero, Salvador G., Mexico City, Mexico. Color responsive correction method for polychromatic reproduction. 2,244,992; June 10.
Gugel, Hans, Berlin-Oberschoneweide, Germany, assignor to General Electric Company. Electromagnetic controller. 2,245,192; June 10.
Guilbert, Nicholas R., Jr., Chestnut Hill, Pa. Automatic door for elevator hatchway openings. 2,245,072; June 10.
Guill, Howard A., Augusta, Ga. Safety cutoff valve. 2,245,271; June 10.
Guillissen, Joseph, Uccle, Brussels, assignor to Union Chimique Belge Societe Anonyme, Brussels, Belgium. Separation of ammonia and sulphureted hydrogen. 2,245,130; June 10.
Guinzburg, George K., Chappaqua, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Waterproof protective device. 2,244,871; June 10.
Günther, Philipp. (See John, W., and Günther.)
Gurney, Albert J. and G. D., assignors to The American Mine Door Company, Canton, Ohio. Remote control for switch throwing devices. 2,245,146; June 10.
Gurney, Glenn D. (See Gurney, Albert J. and G. D.)
Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Apparatus for and method of sewing plaits. 2,244,691; June 10.
Haddaway, Josiah M. (See McMullen, G. H., and Haddaway.)
Haehnel, Wolfram. (See Herrmann, W. O., and Haehnel.)
Halbig, Paul and A. Treibs, assignors to Consortium fur Elektrochemische Industrie, G. m. b. H., Munich, Germany. Hydrating vinyl acetylene. 2,244,837; June 10.
Halferdahl, Arthur C. (See Pitt, N. P., Halferdahl, and Lathe.)
Hall, Earl A. (See Lenz, A., Hall, and Wilson.)
Hall, Harvey C., Toronto, Ontario, Canada. Necktie. 2,244,692; June 10.
Hall, Homer J., Roselle, and N. Menshih, Cranford, N. J., assignors to Standard Oil Development Company. Reaction chamber. 2,245,145; June 10.
Hamilton, Van A., Palestine, Tex. Highway marking system. 2,245,336; June 10.
Hammer, John J., Detroit, Mich. Traffic signal. 2,244,946; June 10.
Hammond Instrument Company. (See Mroz, Matthew Z., assignor.)
Hammond, Laurens, Chicago, Ill. Electrical musical instrument. 2,245,337; June 10.
Hammond, Laurens, Chicago, Ill. Musical instrument. 2,245,338; June 10.
Hammerstrom, Karl R., Dormont, Pa., assignor to United States Steel Corporation. Car truck bolster. 2,245,272; June 10.
Hanley, John A., Noroton, Conn., assignor to Gillette Safety Razor Company, Boston, Mass. Current interrupter. 2,244,877; June 10.
Hansman, George A., Rocky River, and G. A. Tinnerman, assignors to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,244,977; June 10.
Hanusch, Fritz. (See Christ, B., Pardon, and Hanusch.)
Hapman, Henry W., Detroit, Mich. Conveyer-elevator. 2,245,073; June 10
Hargiss, William A., Tulsa, Okla. Nozzle tube. 2,244,947; June 10.
Hargrave, John M., Cincinnati, Ohio. Welder's clamp. 2,245,089; June 10.
Harris, Charles B., Jamaica, N. Y. Boot and shoe. 2,244,838; June 10.
Harris, Ralph S., Kansas City, Mo., and V. W. Lapp, Lawrence, Kans. Perforated map. 2,245,339; June 10.
Harris-Seybold-Potter Company. (See Harrold, C. W., and Pritchard, assignors.)
Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring apparatus. 2,245,033; June 10.
Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring apparatus. 2,245,034; June 10.
Harrold, Charles W., University Heights, and H. A. Pritchard, Hiram, assignors to Harris-Seybold-Potter Company, Cleveland, Ohio. Sheet feeding and registering mechanism. 2,245,396; June 10.
Hartford National Bank and Trust Company. (See Addink, N. W. H., Bügel, and van Geel, assignors.)
Hartford National Bank and Trust Company, as trustee. (See Jonas, Gottfried B., assignor.)
Hartley, Albert L., assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Flame hardening lathe beds. 2,245,273; June 10.
Hartman, Knute, assignor to The American Well Works, Aurora, Ill. Centrifugal sludge pump. 2,245,035; June 10.
Hartmann, Carl W., Lyngby, near Copenhagen, Denmark, assignor to Satona Limited, Edinburgh, Scotland. Machine for shaping cartons. 2,245,193; June 10.
Hartmann, Karl F., assignor of one-half to M. J. Doyle, San Francisco, Calif. Heater. 2,244,910; June 10.

Hartung, Elvin A., New London, Conn. Pipe and pipe flange tongs. 2,244,693; June 10.
Hartung, Elvin A., New London, Conn. Pipe and pipe flange tongs. 2,244,694; June 10.
Harvey, Robert L., Oaklyn, N. J., assignor to Radio Corporation of America. Tuned radio signal circuit. 2,245,340; June 10.
Harvey, Robert L. (See Conron, W. H., Harvey, and Carlson.)
Harvey-Whipple Incorporated. (See Bork, George H., assignor.)
Harwood, James. (See Ralston, A. W., and Harwood.)
Haskelite Manufacturing Corporation. (See Potchen, Joseph A., assignor.)
Hately, Furness H., Greenwich, Conn., assignor to American Felt Company, New York, N. Y. Pressure liquid seal. 2,245,474; June 10.
Hately, Furness H., Greenwich, Conn., assignor to American Felt Company, New York, N. Y. Fluid seal. 2,245,475; June 10.
Hathaway, Jarrett L., Manhasset, N. Y., assignor to Radio Corporation of America. Unsymmetric gain control device. 2,244,695; June 10.
Havener, Arthur R., Wayland, assignor to Judson L. Thomson Manufacturing Company, Waltham, Mass. Riveting machine. 2,244,878; June 10.
Hawk, Ernest Everett, Tampa, Fla. Article support. 2,244,772; June 10.
Hayden, Boyd, Newton, Mass. End fitting for wire. 2,244,696; June 10.
Heald Machine Company, The. (See Schmidt, William D., assignor.)
Heilborn, Herman, Brooklyn, N. Y. Articulator. 2,245,397; June 10.
Heil, Fritz, Vienna, Germany. Spotlight. 2,244,697; June 10.
Heilige, Paul A. E., Jackson Heights, N. Y. Colorimeter. 2,244,839; June 10.
Hembree, Owen, Shawnee, Okla. Washing machine with water-heating apparatus. 2,245,476; June 10.
Hemphill Company. (See Green, I. H. C., and St. Pierre, assignors.)
Hemphill Company. (See Lawson, R. H., and Gagné, assignors.)
Henriksen, Alfred. (See Lincoln, B. H., and Henriksen.)
Henry, Jack P. (See Mayfield, O. J., and Henry.)
Henschel, Chester J., New York, N. Y. Spray device for dental instruments. 2,245,036; June 10.
Henschel Flugzeugwerke A. G. (See Oeckl, O., and Kolland, assignors.)
Henze, Paul, et al. (See Dondineau, J. L., and White, assignors.)
Heras, Constantine D., Tama, Iowa. Clothes drier. 2,244,879; June 10.
Herlihy, John J., et al. (See Thurston, Charles A., assignor.)
Herlihy, John W., et al. (See Thurston, Charles A., assignor.)
Herlihy, William W., et al. (See Thurston, Charles A., assignor.)
Herrmann, Willy O., Deisenhofen, and W. Haehnel, assignors to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie G. m. b. H., Munich, Germany. Preparing vinyl esters. 2,245,131; June 10.
Hersey, Henry J., Jr., Seattle, Wash. Coupling for flexible pipes. 2,245,037; June 10.
Hewitt, William J., McMinnville Oreg. Colter. 2,244,774; June 10.
Hill, Charles L., Cranford, and L. Fahn, North Plainfield, N. J. Fire alarm system. 2,245,398; June 10.
Hill, Charles L., Cranford, N. J. Vacuum muffler. 2,245,399; June 10.
Hill, Hugh, Anderson, Ind. Flush valve. 2,245,400; June 10.
Hill, Julian W., and R. W. Maxwell, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of cellulosic textiles with long chain vinyl ethers. 2,245,132; June 10.
Hinsch, Walter H., assignor to Dearborn Chemical Company, Chicago, Ill. Fluid treatment apparatus. 2,244,698; June 10.
Hirsch, Armin, et al. (See Donash, Julius, assignor.)
Hitchcock, Forest B. (See Preston, N. D., and Hitchcock.)
Hoe, R. & Co., Inc. (See Wicking, William C., assignor.)
Hoehler, Mike. (See Hollifield, Elige J., Jr.)
Hoenemann, Theodor, East Providence, and H. A. Stuart, assignors to Goodyear Footwear Corporation, Providence, R. I. Method and means for processing latex. 2,244,948; June 10.
Hofmann, Karl H., Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electrical oscillatory circuits. 2,244,775; June 10.
Hoffmann-La Roche Inc. (See Karrer, Paul, assignor.)
Hoffmann-La Roche Inc. (See Warnat, Kurt, assignor.)
Hollander, Joseph J., Chicago, Ill. Electric lamp receptacle. 2,245,194; June 10.
Hollifield, Elige J., Jr., assignor of one-tenth to M. Hoehler, Shreveport, La. Double gated safety fire hydrant. 2,244,993; June 10.
Holm, Melvin M., San Francisco, and E. H. Oakley, El Cerrito, assignors to Standard Oil Company of California, San Francisco, Calif. Hydrocarbon reaction. 2,245,038; June 10.
Holmboe, Harold, Chicago, and A. B. Cosper, Crestwood, Ill. Atomizing device. 2,245,274; June 10.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom dobby. 2,244,776; June 10.
Holmes, Elmer C., et al. (See Orleans, Charles A., assignor.)
Holyoke Heater Company. (See Dufault, Homer D., assignor.)
Hood, Frank R. (See Sammis, L. B., and Hood.)
Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Refractory product and making the same. 2,244,777; June 10.
Hooker, William H., Phoenix, Ariz. Propulsion device. 2,245,401; June 10.
Hoover, Charles C. (See Pierce, John E., assignor.)
Hopkins, Howe H., Detroit, Mich., assignor to National Carbon Company, Inc. Cooling system flushing gun. 2,245,195; June 10.
Hopkins, Thomas H., Mobile, Ala. Ruled reinforcing bar. 2,245,133; June 10.
Hormel, August, Hoboken, N. J., assignor to National-Standard Company. Buffing machine. 2,245,341; June 10.
Horrocks, Walter E., Lakewood, Ohio. Thrust flange for antifriction bearings. 2,245,196; June 10.
Horsley, Caperton B., assignor, by mesne assignments, to Sutton-Horsley Company, Limited, Toronto, Ontario, Canada. Adjustable mounting for portable X-ray equipment. 2,244,778; June 10.
Horton, Arthur W., Jr., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,244,700; June 10.
Hosey, Theodore A., Denver, Colo. Cleaning device for teeth. 2,244,699; June 10.
Houdaille-Hershey Corporation. (See Buchanan, Hugh, assignor.)
Houdaille-Hershey Corporation. (See Fergueson, Arthur P., assignor.)
Houdaille-Hershey Corporation. (See Purdy, Charles F., assignor.)
Houdaille-Hershey Corporation. (See Sandberg, Ray A., assignor.)
Houston, John V. (See Huber, A. F., and Houston.)
Howard, Alden W., Holbrook, assignor to Howard Paper Company, Boston, Mass. Perforating machine. 2,244,779; June 10.
Howard Paper Company. (See Howard, Alden W., assignor.)
Hower, Charles C. (See Miller, P. E., Sauer, and Hower.)
Howse, Curtis L., Birmingham, assignor to Diamond Power Specialty Corporation, Detroit, Mich. Automatic progressive control system. 2,244,880; June 10.
Hoye, Peder B., Maywood, assignor to Electrical Engineers Equipment Co., Melrose Park, Ill. Electric control system. 2,245,342; June 10.
Hubbuch, Leo P., Springfield, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Methacrylate polymerization products. 2,244,702; June 10.
Hubbuch, Leo P., Springfield, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Water soluble salts of interpolymers containing methacrylic acid. 2,244,703; June 10.
Hubelmeyer, Edward J. (See Jung, A. H., and Hubelmeyer.)
Huber, Albert F., and J. V. Houston, Chicago, Ill., assignors to The American Brake Shoe and Foundry Company, New York, N. Y. Rail lubricator. 2,244,701; June 10.
Hugentobler, Walter, assignor to Spectraldruck G. m. b. H., St. Gallen, Switzerland. Producing stereotype printing forms electrolytically. 2,245,276; June 10.
Hugh, Percy G., and H. T. Baker, assignors to Scammell Lorries Limited, Watford West, England. Tractor road vehicle. 2,245,542; June 10.
Hughey, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Hinge latch structure. 2,245,197; June 10.
Hulburt, George D., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Operating multiple sliding doors. 2,244,840; June 10.
Hull, Harry B., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,245,439; June 10.
Hultquist, Martin E. (See Northey, Elmore H., and Hultquist.)
Humphrey, Mary E., administratrix. (See Humphrey, Orson J.)
Humphrey, Orson J., deceased, by M. E. Humphrey, administratrix, Elyria, Ohio. Variable pitch propeller. 2,244,994; June 10.
Hunter, Frank B., Wyckoff, F. J. Wiegand, Midland Park, and K. M. Lane, Ridgewood, N. J., assignors to Wright Aeronautical Corporation. Oil tank. 2,245,198; June 10.
Hunting, Irving A., South Plainfield, N. J. Printing press. 2,245,343; June 10.
Hutchinson, John F., Bridgeport, and A. A. Schilling, Stratford, Conn., assignors to Remington Arms Company, Inc. Ammunition lubrication. 2,244,705; June 10.
Hutchinson, Robert H., Dallas, Tex. Door retaining device. 2,244,949; June 10.
I. G. Farbenindustrie Aktiengesellschaft. (See Andrussow, L., and Braun, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Rein, H., and Rössler.)

I. G. Farbenindustrie Aktiengesellschaft. (See Schlecht, L. Staeger, and Klippel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Trieschmann, Hans-Georg, assignor.)
I-R System, Inc. (See Goldsmith, A. N., Menefee, Mayer, and Kastilan, assignors.)
Ickes, Gilbert P. (See Miller, C. D., and Ickes.)
Imperial Chemical Industries Limited. (See Williamson, Arthurl T., assignor.)
Ingersoll Milling Machine Company, The. (See Johnson, John R., assignor.)
Insel Company, The. (See Davis, Morton, assignor.)
Interchemical Corporation. (See Bernstein, Isidor M., assignor.)
Interchemical Corporation. (See Greubel, Paul W., assignor.)
Interchemical Corporation. (See Turek, Frank S., assignor.)
International Standard Electric Corporation. (See Figour, Henri, assignor.)
International Standard Electric Corporation. (See Kozma, Ladislas, assignor.)
International Telephone Development Co. (See Alford, Andrew, assignor.)
Inventio Patentverwertungs-Aktiengesellschaft. (See Szalay, Ferenc, assignor.)
Irving, Sherman D., Youngstown, Ohio. Internal combustion engine. 2,244,706; June 10.
Ivy, Henry B., Fort Barrancas, Fla. Ash tray. 2,245,277; June 10.
Jackson, Aldrich L., assignor to Federal Engineering Company, Minneapolis, Minn. Electric and hand power dicer. 2,245,199; June 10.
Jacobs, James W., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,245,440; June 10.
Jacobs, Joseph, Bridgeport, Conn. Hair curler. 2,244,708; June 10.
Jacobs, Joseph, Bridgeport, assignor to The A. J. Donahue Corporation, Milford, Conn. Hair curler. 2,244,707; June 10.
Jagger, Hubert, Maywood, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating apparatus. 2,244,780; June 10.
Jann, Kurt, Berlin-Charlottenburg, and H. Roland, Berlin-Steglitz, assignors to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Gyroscopic instrument. 2,245,478; June 10.
Jauch, Eugen, Berlin-Siemensstadt, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany. Automatic telephone system. 2,244,911; June 10.
Jelenko, J. F., & Co. (See Berger, Herbert R., assignor.)
Jellinels, Mathew, et al. (See Carlton, Paul, assignor.)
Jellison, Ernest E., Twin Falls, Idaho. Lubrication indicator. 2,245,278; June 10.
Jennings, Harry C. (See Everest, H. A., and Jennings.)
John, Walter, Gottingen, and P. Günther, Kassel, Germany, assignors to Merck & Co., Inc., Rahway, N. J. Chemical compositions and process for their preparation. 2,245,147; June 10.
Johnson, Edward T., assignor to The New England Box Company, Greenfield, Mass. Nesting box. 2,244,841; June 10.
Johnson, Fred R., Buffalo, N. Y. Apparatus and method for conditioning materials for electrostatic separation. 2,245,200; June 10.
Johnson, John R., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Tool spindle head. 2,245,105; June 10.
Johnson, Melvin M., Jr., Brookline, assignor to himself, M. M. Johnson, and E. E. Rice, as trustees of Johnson Patent Trust, Boston, Mass. Gun sight. 2,244,781; June 10.
Johnson, Melvin M., trustee, et al. (See Johnson, Melvin M., Jr., assignor.)
Johnson Patent Trust. (See Johnson, Melvin M., Jr.)
Johnston, Howard M., assignor to Massey-Harris Company Ltd., Toronto, Ontario, Canada. Elevating device for binders. 2,245,344; June 10.
Jonas, Gottfried B., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, trustee. Permanent magnet and making same. 2,245,477; June 10.
Jones and Laughlin Steel Corporation. (See Rendleman, N. C., and Le Monte, assignors.)
Jones, Fred W., Valparaiso, Ind. Utility Storage facility. 2,244,950; June 10.
Jones, George A., Melbourne, Victoria, Australia. Storage tank for inflammable liquids. 2,244,782; June 10.
Joyce, Ada A. (See Joyce, John, assignor.)
Joyce, John, assignor to A. A. Joyce, Rockville, Conn. Ignition distributor. 2,245,402; June 10.
Joyce, Richard F., Haverhill, Mass. Lock mechanism. 2,244,951; June 10.
Judson, Albert L., Portland, Oreg., and C. G. Kronmiller, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control device. 2,244,783; June 10.
Jung, Albert H., Flushing, N. Y., and E. J. Hubelmeyer, Little Ferry, N. J., assignors to United American Metals Corporation, Brooklyn, N. Y. Metal feeding apparatus. 2,245,275; June 10.
Jüttner, Willy, Berlin-Staaken, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. High-frequency arrangement. 2,244,784; June 10.
Jydstrup, Albert E., Minneapolis, Minn. Spring button fastener. 2,245,403; June 10.
Kahan, Harry, Auburn, N. Y. Comb cleaner. 2,245,279; June 10.
Kahlisch, Gustav. (See Reiners, W., Kahlisch, and Fürst.)
Kammer, George S., Park Lane, London, England. Driving means for providing cyclic variations of speed. 2,245,280; June 10.
Kanary, Mark H., Los Angeles, Calif. Pump. 2,244,882; June 10.
Kanter, Jerome J., Palos Park, assignor to Crane Co., Chicago, Ill. Combined metal and treatment. 2,244,881; June 10.
Kapelman, Felix, Bronx, N. Y. Dispensing device. 2,244,952; June 10.
Karlberg, Arvid E., assignor to Chicago Seal Company, Chicago, Ill. Shaft seal. 2,245,106; June 10.
Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Thread stabilizer for sewing machines. 2,245,479; June 10.
Farrer, Paul, Zurich, Switzerland, assignor to Hoffmann-La-Roche Inc., Nutley, N. J. Tocopherol derivatives and manufacture thereof. 2,245,480; June 10.
Karst, Clarence E., assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio. Cigarette making device. 2,245,107; June 10.
Kastilan, Fritz. (See Goldsmith, A. N., Menefee, Mayer, and Kastilan.)
Kauai Pineapple Company. (See Martin, George W., assignor.)
Kearney & Trecker Corporation. (See Armitage, J. B., and Lenert, assignors.)
Kenyon, William O. (See Murray, T. F., Jr., and Kenyon.)
Kettlewell, Eric. (See Francis, V. J., and Kettlewell.)
Kiley, Albert J., Belmont, and J. T. Kiley, Arlington, assignors to James A. Kiley Co., Somerville, Mass. Portable aerial ladder. 2,245,481; June 10.
Kiley, James A., Co. (See Kiley, Albert J. and J. T., assignors.)
Kiley, John T. (See Kiley, Albert J. and J. T.)
King, Clarence D., Mount Lebanon, Pa., assignor to United States Steel Corporation of Delaware. Making low-alloy high-strength steel of the copper-phosphorus-silicon-chromium type. 2,245,482; June 10.
King, Walter. (See Minard, Everett S., assignor.)
Kinzel, Augustus B., Douglaston, N. Y., assignor to Electro Metallurgical Company. Vehicle. 2,244,709; June 10.
Kirk, Claude R. (See Van Tuyl, Sidney, assignor.)
Kirk, Philip M., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of calcium alpha hydroxyisobutyrate. 2,245,483; June 10.
Kise, Mearl A., and R. R. Wenner, Syracuse, assignors to The Solvay Process Company, New York, N. Y. Manufacture of succinic anhydride. 2,245,404; June 10.
Kjolseth, Ole K., Erie, Pa., assignor to General Electric Company. Railway spring hanger. 2,245,201; June 10.
Klaassen, Fred, Hutchinson, Kans. Umbrella holder. 2,244,995; June 10.
Klaiber, Fritz, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Synchronized generator. 2,245,134; June 10.
Klangfilm G. m. b. H. (See Schwarz, Karl, assignor.)
Klein, Franklin S., Malverne, N. Y. Electric fuse. 2,245,345; June 10.
Klein, Franklin S., Malverne, N. Y. Electric fuse. 2,245,346; June 10.
Kleinert, I. B., Rubber Company. (See Guinzburg, George K., assignor.)
Klingensmith, Mabel L., East Chicago, Ind. Drier and head support therefor. 2,244,953; June 10.
Klippel, Hermann. (See Schlecht, L., Staeger, and Klippel.)
Klopak, Joseph, Newark, N. J., assignor to General Motors Corporation, Detroit, Mich. Seal. 2,245,281; June 10.
Knowles, Edward R., Bridgeport, Conn., assignor to The Watson-Stillman Co., Roselle, N. J. Injection molding machine. 2,244,842; June 10.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Radio remote control system. 2,245,347; June 10.
Koehler Manufacturing Company. (See Wheat, Grant, assignor.)
Kohne, Charles H., Pittsburgh, Pa. Electric connecting plug. 2,245,148; June 10.
Kölbel, Herbert, Moers, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Manufacture of hydrocarbons from carbon monoxide and hydrogen. 2,244,710; June 10.
Kolland, Emil. (See Oeckl, O., and Kolland.)
Kollander, Alfred A., Stillwater, Minn. Sanitary milking stool. 2,244,912; June 10.
Koppers Company. (See Berg, R., and Salkvist, assignors.)
Koppers Company. (See Kölbel, Herbert, assignor.)
Koppers Company. (See Koppers, Heinrich, assignor.)
Koppers Company. (See Schmalenbach, Adolf, assignor.)

Koppers, Heinrich, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Regenerative coke oven of the circulation type. 2,244,711; June 10.

Kottmann, Arthur A., Davenport, assignor to Micro-Westco, Incorporated, Bettendorf, Iowa. Slicing machine. 2,245,108; June 10.

Kozma, Ladislas, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y. Automatic ticketing system. 2,244,785; June 10.

Krasno Bros. Glove & Mitten Co. (See Krasno, Samuel H., assignor.)

Krasno, Samuel H., assignor to Krasno Bros. Glove & Mitten Co., Milwaukee, Wis. Applying inserts in pile materials. 2,245,202; June 10.

Kronmiller, Carl G. (See Judson, A. L., and Kronmiller.)

Kronoff, Clarence R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Drive for loom dobbies. 2,244,786; June 10.

Kuehn, Howard E. (See Cushman, J. E., and Kuehn.)

Kunze, Wilhelm. (See Zerweck, W., and Kunze.)

Kuzmick, Joseph N., Clifton, assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Manufacture of molded compositions for brake linings or similar articles. 2,245,203; June 10.

Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Control of ambrosia beetles. 2,244,712; June 10.

La Ducer, Arthur O., West Hartford, Conn., assignor to The Wiremold Company. Wiring device. 2,244,883; June 10.

Lage, Frederick A., Gladbrook, Iowa. Pump jack. 2,244,884; June 10.

Laird, John D., Joseph, Oreg. Automatic release for feed grinders. 2,244,996; June 10.

Lakemacher, Elmer E., assignor to Norton Lasier Company, Chicago, Ill. Slide connection and stop for doors and the like. 2,244,787; June 10.

Landsman, Alec. (See Landsman, T., and Feinberg, assignors.)

Landsman, Teddy, and D. W. Feinberg, assignors of one-third to A. Landsman, Los Angeles, Calif. Receptacle handling appliance. 2,245,543; June 10.

Lane, Kenneth M. (See Hunter, F. B., Wiegand, and Lane.)

Langley, Frank F., Berkley, assignor to Universal Button Fastening & Button Company, Detroit, Mich. Snap fastener element and its manufacture. 2,244,885; June 10.

Langsner, Adolph, assignor to Eugene Dietzgen Co., Chicago, Ill. Telescope. 2,245,405; June 10.

Lansdale, Benjamin C., assignor to Echlin Manufacturing Company, San Francisco, Calif. Electrical network. 2,244,717; June 10.

Lapeyrouse, Lawrence L., Chickasaw, Ala. Felt cleaner. 2,245,109; June 10.

La Plante, Peter J., Duluth, Minn. High chair. 2,245,204; June 10.

Lapp, Vernon W. (See Harris, R. S., and Lapp.)

Lasier, Norton, Company. (See Lakemacher, Elmer E., assignor.)

Lathe, Frank E. (See Pitt, N. P., Halferdahl, and Lathe.)

Laver, Frank, Chicago, Ill. Folding machine. 2,245,348; June 10.

Lawson, Robert H., Pawtucket, and A. Gagné, assignors to Hemphill Company, Central Falls, R. I. Yarn binder for knitting machines. 2,245,205; June 10.

Leavens, Theodore, Chicago, Ill., assignor to The Robbins Company. Dog whistle. 2,245,484; June 10.

Le Blond, R. K., Machine Tool Company, The. (See Hartley, Albert L., assignor.)

Lechleitner, Aloysius E., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film core. 2,245,206; June 10.

Ledbetter, John F., U. S. Navy. Detector. 2,244,713; June 10.

Leffert, Lionel S. (See Penney, Robert L., assignor.)

Legerlotz, Helmut, Paris, France, assignor, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Manufacture of hydroxyarylaminomethyl ketones. 2,245,282; June 10.

Lehecka, Frank H., East Orange, N. J. Flooring for housed switches. 2,245,283; June 10.

Leifer, Alfred, Berlin-Karlshorst, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Converter. 2,245,149; June 10.

Leland Stanford Junior University, Board of Trustees, The. (See Varian, R. H., and Siegert, assignors.)

Lemmens, Hendricus J., and E. G. Dorgelo, Eindhoven, Netherlands, assignors to General Electric Company. Artificially cooled high-pressure mercury-vapor discharge tube. 2,245,406; June 10.

Le Monte, Burges A. (See Rendleman, N. C., and Le Monte.)

Lenert, Joseph J. (See Armitage, J. B., and Lenert.)

Lengyel, Carl, Buffalo, N. Y. Hot air furnace. 2,245,090; June 10.

Lenz, Arnold, Grand Blanc, and E. A. Hall and E. R. Wilson, Flint, assignors to General Motors Corporation, Detroit, Mich. Manufacturing pistons. 2,244,954; June 10.

Lepper, Walter W., assignor of one-third to V. L. Tannehill and one-third to S. M. White, Fort Wayne, Ind. Valve construction. 2,244,997; June 10.

Levinson, Arthur A. (See Engstrom, A. G., and Levinson.)

Lewis, Charles S. (See Bundy, W. O., and Lewis.)

Lewis, Kenneth R., Marshalltown, Iowa, assignor to Phillips Petroleum Company. Pressure regulating device. 2,245,485; June 10.

Lewit, Abraham, and P. Wrba, Buenos Aires, Argentina. Combination lock. 2,245,091; June 10.

Leyburn, Henry, Newcastle-upon-Tyne, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Electric protective arrangement. 2,244,998; June 10.

Lignian, Jean A., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Apparatus for roll forming strip material. 2,245,407; June 10.

Lilja, Edgar D., assignor to Barber-Colman Company, Rockford, Ill. Tension measuring device. 2,245,039; June 10.

Liljeaqvist Sagblads-Och Redskapsfabrik Nya A. B. (See Wallgren, August G. F., assignor.)

Lincoln, Bert H., and A. Henriksen, deceased (by J. W. Wolfe, administrator), Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio. Lubricating oil. 2,244,886; June 10.

Linde Air Products Company, The. (See Bucknam, James H., assignor.)

Lindell, Sigurd I., and A. Van Ryan, assignors to Schweitzer & Conrad, Inc., Chicago, Ill. Fuse construction. 2,244,788; June 10.

Line Material Company. (See Earle, Ralph H., assignor.)

Lipton Manufacturing Co. (See Goldstein, Lewis W., assignor.)

Liquid Carbonic Corporation, The. (See Mullenix, Chester S., assignor.)

Little, Thomas F., Raleigh, N. C. Shipyard. 2,245,486; June 10.

Livergood, Russell, Houston, Tex. Releasable sucker rod connection. 2,244,714; June 10.

Lobel, Rudolph, New York, N. Y. Lady's handbag. 2,244,789; June 10.

Lockwood, Wilbur, Indianapolis, Ind. Dough handling machine. 2,245,284; June 10.

Locomotive Firebox Company. (See Christenson, Gust J., assignor.)

Locomotive Firebox Company. (See Pyle, Leslie R., assignor.)

Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic oxidation of alkyl substituted aromatic compounds. 2,245,528; June 10.

Loeb, Rudolf, Jenkintown, Pa. Curtain and similar draperies. 2,245,285; June 10.

Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,244,843; June 10.

Lombardi, Frank P., Mount Vernon, N. Y. Illuminating cane. 2,245,349; June 10.

Long, Bernard, Paris, France, assignor to The American Securit Company, Wilmington, Del. Tempered glass and process for manufacture of the same. 2,244,715; June 10.

Long, George, St. Paul, Minn., assignor to General Mills, Inc. Packing machine. 2,244,718; June 10.

Long, John E., Portland, Oreg. Electric sign contact. 2,244,955; June 10.

Lord, Kenneth M., Canandaigua, and G. E. Warren, assignors to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y. Relay. 2,245,441; June 10.

Lorenz, C., Aktiengesellschaft. (See Hofmann, Karl H., assignor.)

Lorenz, C., Aktiengesellschaft. (See Jüttner, Willy, assignor.)

Lorenz, C., Aktiengesellschaft. (See Niedhardt, Peter, assignor.)

Lorenz, C., Aktiengesellschaft. (See Schrumpf, Max, assignor.)

Lowell Counter Co. (See Thurston, Charles A.)

Lubri-Zol Development Corporation, The. (See Lincoln, B. H., and Henriksen, assignors.)

Lundquist, Wilton G., Glen Rock, N. J., assignor to Wright Aeronautical Corporation. Crankcase breather. 2,245,207; June 10.

Lundvall, John S., assignor to Union Asbestos & Rubber Company, Chicago, Ill. Refrigerator car floor. 2,245,529; June 10.

Lutz, Ferdinand E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Controlling arrangement for setting organs. 2,245,150; June 10.

Lyon, George A., Allenhurst, N. J. Wheel disk. 2,244,913; June 10.

Lysholm, Alf, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden. Reduction gear for turbine locomotives. 2,244,716; June 10.

Machin, Willis H., Middlebury, assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity box or case. 2,245,487; June 10.

Mac-It Parts Company. (See Dicely, Ralph W., assignor.)

MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Nozzle for coating apparatus. 2,244,791; June 10.

Mai, Walter, Berlin-Siemensstadt, and H. Richter, Berlin-Charlottenburg, assignors to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung, Berlin, Germany. Telephone system. 2,244,914; June 10.

Maier, Roy J., assignor to Reed Corporation of America, Los Angeles, Calif. Adjustable support. 2,244,790; June 10.

Maiers, Henry P. (See Bogardus, Phil S., assignor.)

Malcolm, James F., and C. Winter, assignors to Revonah Spinning Mills, Hanover, Pa. Slug catcher. 2,244,999; June 10.

Malm, Carl J., and C. L. Crane, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing mixed esters of cellulose containing dicarboxylic acid groups. 2,245,208; June 10.

Manley, Frederick W., St. Augustine, Fla. Collapsible shelved cabinet. 2,244,887; June 10.

Manning, Maxwell & Moore, Inc. (See Schramm, Christopher, assignor.)

Mansfield, Judson H., Rockford, Ill. Shoe and skate combination. 2,244,719; June 10.

Marathon Electric Manufacturing Corporation. (See Appleman, Wilbur R., assignor.)

Marbon Corporation. (See Williams, Floyd E., assignor.)

Marcaccio, William, West Covington, Ky. Visual demonstrator. 2,245,110; June 10.

Marcuse, John A., Scarsdale, assignorto West Disinfecting Company, Long Island City, N. Y. Dispensing device. 2,245,488; June 10.

Margel, Sara, New York, N. Y. Footwear insert. 2,244,844; June 10.

Marks, Barnard M., Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of vinyl resins. 2,245,040; June 10.

Marshall, Frank L., Needham, Mass. Window. 2,244,888; June 10.

Marshall, George R., Seattle, Wash. Sacral foramina finder. 2,245,350; June 10.

Martin, Floyd L., Downs, Kans. Manufacture of meerschaum pipes. 2,245,489; June 10.

Martin, George W., assignor to Kauai Pineapple Company, Ltd., Kalaheo, Hawaii. Inspecting and trimming table. 2,245,000; June 10.

Martin, Henry F., assignor to Detroit Hoist and Machine Company, Detroit, Mich. Safety monorail system. 2,245,135; June 10.

Martin, Lawrence R. (See Aulenbacher, G. E., and Martin.)

Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Tubular coupling for suction cleaners and the like. 2,245,151; June 10.

Marvin, Stanley, Burlingame, assignor to B. E. Witkin, Oakland, Calif. Thermostatic switch. 2,244,915; June 10.

Marzocchi, Luigi, Milan, Italy. Electromagnetic sound recording. 2,245,286; June 10.

Maschinenfabrik Scharer. (See Siegenthaler, Walter, assignor.)

Maschinenfabrik Schärer. (See Zindel, Ernst, assignor.)

Massa, Ernest A., Haddonfield, N. J., and E. W. Pike, Swarthmore, Pa., assignors to Radio Corporation of America. Photocathode. 2,244,720; June 10.

Massey-Harris Company Ltd. (See Johnston, Howard M., assignor.)

Massey, Peter J., et al. (See Thiele, W. F., and Richmond, assignors.)

Masters, Edwin L., Chicago, Ill. Fertilizer distributor. 2,245,152; June 10.

Mathis, Jess G., Seattle, Wash. Fireplace guard. 2,245,074; June 10.

Matthews, John H., Nutley, assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Conveyer belt. 2,244,845; June 10.

Mauriell, Ralph, Oceanport, N. J., assignor of one-half to T. P. Titus, Cleveland, Ohio. Treating human hair. 2,245,111; June 10.

Maxwell, Robert W. (See Hill, J. W., and Maxwell.)

Mayer, William. (See Goldsmith, A. N., Menefee, Mayer, and Kastilan.)

Mayfield, Orley J., and J. P. Henry, Charles City, Iowa, assignors to Dr. Salsbury's Laboratories. Taeniacide for poultry. 2,245,530; June 10.

Maynes, Emma C. (See Maynes, Hyla F., assignor.)

Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. Y. Fishing reel. 2,244,889; June 10.

Mayo, Dana H. N., Ridgewood, assignor to The Babcock & Wilcox Company, Newark, N. J. Fluid heat exchange apparatus. 2,245,209; June 10.

McCollum, Andrew O. (See Scott, R. W., and McCollum.)

McCurdy, George R., Wilmette, assignor to Crane Co., Chicago, Ill. Faucet. 2,245,041; June 10.

McElwaine, Clayton B., assignor of fifty-one per cent to H. N. Greis, Tulsa, Okla. Back pressure valve system. 2,245,210; June 10.

McGowan, Thomas R., Pittsburgh, assignor to The American Brake Company, Swissvale, Pa. Brake rigging. 2,245,408; June 10.

McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration control system. 2,244,890; June 10.

McHale, Michael J., Scranton, Pa. Automatic thread tension compensating device for winding machines. 2,245,490; June 10.

McLaughlin, F. L., et al. (See Burke, James P., assignor.)

McLean, William A., assignor to Geneva Processes, Inc., Geneva, N. Y. Mayonnaise mill. 2,245,112; June 10.

McMahan, Kenton D., Schenectady, N. Y., assignor to General Electric Company. Fluid dynamic control. 2,245,211; June 10.

McMullen, George H., and J. M. Haddaway, West Chester, Pa. Automatic gas injector for liquid systems. 2,245,546; June 10.

McNairy, Jacob W., and L. W. Webb, Erie, Pa., assignors to General Electric Company. Vehicle drive system. 2,245,092; June 10.

McNairy, Jacob W. (See Webb, L. W., and McNairy.)

McNally, James G. (See Dickey, J. B., and McNally.)

McWane, Arthur T., Birmingham, Ala. Pipe joint. 2,245,153; June 10.

McWane, Arthur T., Birmingham, Ala. Separation resisting pipe joint. 2,245,154; June 10.

Meade, Lakin. (See Binger, Gustave H., assignor.)

Menefee, Harry R. (See Goldsmith, A. N., Menefee, Mayer, and Kastilan.)

Menger, Adolf, Eugen Bock, and P. Didden, Krefeld-Uerdingen, Germany, assignors, by mesne assignments, to Plaskon Company, Incorporated, Toledo, Ohio. Production of urea-foldmaldehyde resins. 2,245,491; June 10.

Menshih, Nicholas. (See Hall, H. J., and Menshih.)

Merck & Co. (See John, W., and Günther, assignors.)

Merolle, Augustus L., assignor to Empire Metal Cap Co. Inc., Brooklyn, N. Y. Apparatus for forming receptacle screw caps. 2,245,042; June 10.

Merritt, Eugene L., et al. (See Orleans, Charles A., assignor.)

Meston, Aleck W., assignor to Moto Meter Gauge & Equipment Corporation, Toledo, Ohio. Automatic choke control. 2,245,093; June 10.

Metrawatt Aktiengesellschaft, Fabrik Elektrischer Messgerate. (See Bernhard, A., and Beyrich, assignors.)

Metzger, William J., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 2,245,043; June 10.

Metzger, William J., assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Uncoupling mechanism. 2,245,044; June 10.

Meyer, Fritz, assignor to the firm Bühler Brothers, Uzwil, Switzerland. Continuous flow conveyer. 2,245,113; June 10.

Meyer, Ulfilas, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany. Transmission system comprising a cable operated with carrier frequencies. 2,245,492; June 10.

Michel, Josef M., Bitterfeld, Germany, assignor, by mesne asignments, to W. H. Duisberg, New York, N. Y. Production of substantially stable fused saltpeter baths. 2,245,155; June 10.

Micro-Westco, Incorporated. (See Kottmann, Arthur A., assignor.)

Micro-Westco, Inc. (See Neibert, Harold, assignor.)

Mihalyi, Joseph, and R. F. Blattner, assignors to Eastman Kodak Company, Rochester, N. Y. Focusing mechanism for cameras. 2,245,212; June 10.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Double exposure prevention device. 2,245,213; June 10.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Camera film wind. 2,245,214; June 10.

Mihalyi, Joseph. (See Philips, H. D., and Mihalyi.)

Miller, Calvin D., and G. P. Ickes, Elyria, Ohio. Seat. 2,244,956; June 10.

Miller, Denver W., Modoc Point, Oreg. Power system. 2,245,001; June 10.

Miller, Horace G., Belleville, assignor to A. B. Du Mont Laboratories, Inc., Passaic, N. J. Method and system for television communication. 2,245,409; June 10.

Miller, Perry E., Cleveland Heights, Ohio. Spudding machine. 2,245,544; June 10.

Miller, Perry E., Cleveland Heights, W. C. Sauer, Dover Center, and C. C. Hower, Cleveland, Ohio; said Sauer and Hower assignors to said Miller. Surface treating tool. 2,245,545; June 10.

Miller, Ray E., Gilbertsville, assignor of one-half to D. E. Shaw, Binghamton, N. Y. Humidifier. 2,244,792; June 10.

Milwaukee Gas Specialty Company. (See Wetzel, Theodore A., assignor.)

Minard, Everett S., assignor to W. King, San Francisco, Calif. Liquid metering machine. 2,245,287; June 10.

Mingle, Joseph P., Muncie, Ind., assignor to Ball Brothers Company. Phase changing device. 2,245,075; June 10.

Minneapolis-Honeywell Regulator Company. (See Judson, A. L., and Kronmiller, assignors.)

Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)

Minneapolis-Honeywell Regulator Company. (See Newton, Alwin B., assignor.)

Mitscherling, Waldemar O., Flushing, assignor to J. J. O'Connor, New York, N. Y. Detergent composition and making same. 2,244,721; June 10.

Mittermaier, Armin F. (See Eitman, J. F., Zelt, and Mittermaier.)
Mittleman, Samuel K., New York, N. Y. Doorframe construction. 2,245,351; June 10.
Moeller, George J., assignor to Dazey Churn & Manufacturing Co., St. Louis, Mo. Can opener. 2,244,846; June 10.
Moessinger, Albert, Zurich, assignor to Tefag Textil-Finanz A. G., Winterthur, Switzerland. Control for apparatus for moving lengths of material. 2,245,352; June 10.
Monroe Calculating Machine Company. (See Crosman, Loring P., assignor.)
Monsanto Chemical Company. (See Kyrides, Lucas P., assignor.)
Monsanto Chemical Company. (See Sibley, Robert L., assignor.)
Montgomery, William J., and D. B. Bradner, assignors to The Champion Paper and Fibre Company, Hamilton, Ohio. Coated paper. 2,245,045; June 10.
Moore, Earle H., assignor to Security Lithograph Company, San Francisco, Calif. Duplicating record form. 2,245,046; June 10.
Moore & Munger. (See Padgett, Frederick W., assignor.)
Morgan Construction Company. (See Morgan, Myles, assignor.)
Morgan Construction Company. (See Wood, Henry H., assignor.)
Morgan, Myles, assignor to Morgan Construction Company, Worcester, Mass. Shear. 2,245,442; June 10.
Morin, Louis H., Bronx, assignor to Whitehall Patents Corporation, Bronx, N. Y. Constructing sliders. 2,244,957; June 10.
Morlock, William J., Collingswood, N. J., assignor to Radio Corporation of America. Gain control circuits. 2,245,353; June 10.
Moross, George B., Jackson Heights, assignor to A. H. Serrell, New York, N. Y. Variable electric resistance device. 2,244,958; June 10.
Morral, Facundo R. (See Bray, J. L., and Morral.)
Morris, Howard I., Lakewood, Ohio. Sterilizing device. 2,244,916; June 10.
Morse, Richard S., assignor to Distillation Products, Inc., Rochester, N. Y. High vacuum. 2,245,215; June 10.
Morse, Richard S., assignor to Distillation Products, Inc., Rochester, N. Y. Vacuum apparatus. 2,245,216; June 10.
Moshart, Donald J., Springfield, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Stoker apparatus. 2,244,793; June 10.
Moto Meter Gauge & Equipment Corporation. (See Meston, Aleck W., assignor.)
Mowids, Kenneth S., Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio. Precipitation of metals from solutions. 2,245,217; June 10.
Moylan, Francis J., Scranton, Pa. Dental device and utilizing the same. 2,245,288; June 10.
Mroz, Matthew Z., assignor to Hammond Instrument Company, Chicago, Ill. Electrical musical instrument. 2,245,354; June 10.
Mühlichen, Herman D. R., Hoboken, N. J., deceased, by J. G. Christian, executor. Smoking pipe and the like. 2,245,410; June 10.
Mullen, Thomas W., Indianapolis, Ind. Tire balancing. 2,245,355; June 10.
Mullenix, Chester S., Pittsburgh, Pa., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Bell top for filling valves. 2,244,891; June 10.
Müller, Hermann, assignor to Aktiengesellschaft Cilander, Heriau, Switzerland. Production of embossed effects on parchmentized fabrics. 2,245,289; June 10.
Muller, Nicholas, St. Paul, Minn. Dandelion and weed eradicator. 2,244,917; June 10.
Murata, Seizo, San Francisco, Calif. Glare shield. 2,244,959; June 10.
Murphy, Edward M., Glendale, Calif. Making and filling containers. 2,245,356; June 10.
Murray, Alexander, assignor to Eastman Kodak Company, Rochester, N. Y. Etching material. 2,245,219; June 10.
Murray Corporation of America, The. (See Haberstump, Alfred H., assignor.)
Murray, Thomas F., Jr., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Water-soluble photographic coating. 2,245,218; June 10.
Muskat, Irving E., and R. H. Taylor, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Chlorination of titanium bearing materials. 2,245,076; June 10.
Muskat, Irving E., and R. H. Taylor, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Chlorinating titanium bearing materials. 2,245,077; June 10.
Myers, Charles F., Baltimore, Md. Street fill box. 2,245,290; June 10.
Myerson, Simon, Brookline, Mass. Blending implement. 2,245,291; June 10.
National Carbon Company. (See Hopkins, Howe H., assignor.)
National Folding Box Company. (See Carruth, Herman A., assignor.)
National Malleable and Steel Castings Company. (See Metzger, William J., assignor.)
National Oil Products Company. (See Fritz, J. H., and Beach, assignors.)
National-Standard Company. (See Hormel, August, assignor.)
Neff, Joseph J. (See Gravley, C. K., and Neff.)
Neibert, Harold, Davenport, assignor to Micro-Westco, Inc., Bettendorf, Iowa. Pump. 2,245,094; June 10.
Neidhardt, Peter, Berlin-Schoneberg, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Television system. 2,244,794; June 10.
Nelson, Daniel G., Chicago, Ill. Barbecue apparatus. 2,245,220; June 10.
Nelson, Evan H., Harrow Weald, England, assignor to General Electric Company. Method of making seals for discharge lamps. 2,244,960; June 10.
New Britain Machine Co., The. (See Rockwell, Edward A., assignor.)
Newman, Charles, Bronx, N. Y. Electric light socket. 2,245,357; June 10.
New England Box Company, The. (See Johnson, Edward T., assignor.)
New England Paper Punch Company. (See Carpenter, John A., assignor.)
Newman, J. Randolph, as trustee. (See Auer, László, assignor.)
Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration control system. 2,244,892; June 10.
Nielsen, A. C., Company. (See Woodruff, Louis F., assignor.)
Nixon, Jeddy D., assignor of one-half to Wilson Supply Company, Houston, Tex. Controlling the flow of fluids. 2,245,002; June 10.
Nixon, Jeddy D., assignor of one-half to Wilson Supply Company, Houston, Tex. Lifting fluids from wells. 2,245,003; June 10.
Nixon, Jeddy D., assignor of one-half to Wilson Supply Company, Houston, Tex. Well fluid controlling device. 2,245,004; June 10.
Nixon, Jeddy D., assignor of one-half to Wilson Supply Company, Houston, Tex. Controlling the flow of fluids under pressure. 2,245,005; June 10.
Nixon, Jeddy D., assignor of one-half to Wilson Supply Company, Houston, Tex. System and apparatus for flowing wells. 2,245,006; June 10.
Nixon, Jeddy D., assignor of one-half to Wilson Supply Company, Houston, Tex. Stuffing box. 2,245,007; June 10.
Nixon, Jeddy D., assignor of one-half to Wilson Supply Company, Houston, Tex. Well fluid flow controlling device. 2,245,008; June 10.
Nixon, Jeddy D., assignor of one-half to Wilson Supply Company, Houston, Tex. Flow valve. 2,245,009; June 10.
Nixon, Jeddy D., assignor of one-half to Wilson Supply Company Houston, Tex. System and apparatus for flowing wells. 2,245,010; June 10.
Norcross, Austin S., Waban, Mass. Automatic control system. 2,244,722; June 10.
Nordseth, Halfdan J., San Francisco, Calif., assignor to United Elastic Corporation, Easthampton, Mass. Woven elastic binding strip. 2,245,095; June 10.
Normington, James B. (See Dickey, J. B., and Normington.)
North American Rayon Corporation. (See Gram, Carl F., assignor.)
North American Rayon Corporation. (See Uytenbogaart, J., and Gram, assignors.)
Northey, Elmore H., Bound Brook, and M. E. Hultquist, North Plainfield, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y. Preparation of sulphanilamidopyridines. 2,245,292; June 10.
Nöthe, Erich, Berlin-Spandau, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Electric indicating means. 2,245,493; June 10.
Novick, Abraham, Flushing, assignor to F. L. Smithe Machine Co., Inc., New York, N. Y. Envelope machine. 2,244,723; June 10.
Nudson, Thomas T., Long Beach, and W. A. Abegg, assignors to Abegg & Reinhold Co. Ltd., Vernon, Calif. Device for measuring drill pipe. 2,245,221; June 10.
Nydegger, George C., Chicago, Ill. Carton. 2,244,961; June 10.
Oakley, Eugene H. (See Holm, M. M., and Oakley.)
Oatman, Della, Staten Island, N. Y. Automobile beach curtain. 2,245,411; June 10.
Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Desk telephone set. 2,244,918; June 10.
Obert, Casin W., Mount Vernon, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Welding. 2,245,222; June 10.
O'Connor, John J. (See Mitscherlin, Waldemar O., assignor.)
Odell, Leslie S., Montreal, Quebec, Canada. Brick simulating siding panel. 2,245,047; June 10.
Oecki, Otto, Berlin-Schoneberg, and E. Kolland, Berlin-Johannisthal, assignor to Henschel Flugzeugwerke A. G., Schonefeld, Kreis Teltow, Germany. Making structural elements of sheet metal. 2,244,847; June 10.

Ogburn, Herbert H., Greensboro, N. C. Restraining device. 2,245,293; June 10.
Ogden, Hubert S., Los Angeles, Calif. Revenue seal stamp affixing mechanism. 2,244,796; June 10.
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,244,797; June 10.
Ohanneson, Arnm P. (See Gardner, Charles J., assignor.)
Oil Well Supply Company. (See Shimer, John M., assignor.)
Olds, Howard A., San Francisco, and I. M. and W. Wells, assignors to Spears-Wells Machinery Company, Inc., Oakland, Calif. Mechanical sweeper. 2,244,848; June 10.
Olin, John F., Grosse Ile, Mich., assignor to The Sharples Solvents Corporation, Philadelphia, Pa. Manufacture of polycarboxylic acids. 2,244,849; June 10.
Olson, Raymond E., Pittsford, assignor to Taylor Instrument Companies, Rochester, N. Y. Sanitary fitting for thermometers. 2,244,798; June 10.
O'Meara, Thomas W., St. Joseph, Mo. Portable scaffold. 2,245,223; June 10.
Orleans, Charles A., assignor of forty-nine one-hundredths to E. L. Merritt and E. C. Holmes, Enid, Okla. Deep well turbine pump. 2,245,114; June 10.
Orrmell, Ernst A. I., Kramfors, Sweden. Burning or heat treating solid or fluid material. 2,245,048; June 10.
Orshansky, Elias, Jr., Deep River, assignor to The Acrotorque Company, New Haven, Conn. Control. 2,244,850; June 10.
Orthwine, Rudolf, New York, N. Y. Display stand. 2,244,962; June 10.
Pacific Mills. (See Corbett, J. F., and Barnard, assignors.)
Packard Motor Car Company. (See Christman, John M., assignor.)
Packard Motor Car Company. (See Ware, Marsden, assignor.)
Paddle, Leslie H., London, assignor to Telephone Manufacturing Company Limited, West Dulwich, London, England. Electrical frequency translating device. 2,244,799; June 10.
Padgett, Frederick W., Jackson Heights, N. Y., assignor to Moore & Munger, Plainfield, N. J. Waxed paper. 2,245,494; June 10.
Padgett, Joseph E., Toledo, Ohio. Drive mechanism. 2,245,078; June 10.
Panter, Carl, assignor to Atlantic Elevator Co., Inc., Philadelphia, Pa. Elevator governor. 2,244,893; June 10.
Pardon, Heinz. (See Christ, B., Pardon, and Hanusch.)
Parker, Sydney M., Myton, assignor to Automotive Products Company Limited, London, England. Liquid pressure control system. 2,244,894; June 10.
Pascale, Miguel, Oakland, Calif. Heat transfer tube. 2,244,800; June 10.
Patterson Foundry & Machine Co., The. (See Underwood, Elvin M., assignor.)
Payne, John W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Kiln. 2,244,724; June 10.
Payne, John W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Treating finely divided solid materials. 2,245,531; June 10.
Payne, John W. (See Simpson, T. P., Payne, and Valas.)
Pearce, George C., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,245,049; June 10.
Pechukas, Alphonse, Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Chlorination of titanium bearing materials. 2,245,358; June 10.
Peebles, David D., Berkeley, Calif. Evaporating apparatus. 2,244,919; June 10.
Peerless Machinery Company, The. (See Spry, William M., assignor.)
Pejchar, Josef, Astoria, Long Island, N. Y. Screen. 2,245,079; June 10.
Pelissier, Philip W., Cumberland, Md. Electric plug. 2,245,294; June 10.
Pemble, Carl A., St. Paul, Minn. Oxygen supplying composition. 2,245,495; June 10.
Pendleton, Pyam L., assignor to Henry L. Scott Company, Inc., Providence, R. I. Compression testing machine. 2,245,080; June 10.
Penn Electric Switch Co. (See Shaw, Burton E., assignor.)
Penney, Robert L., Brooklyn, assignor to L. S. Leffert, New York, N. Y. Cutting implement. 2,245,096; June 10.
Perry, Charles G., St. Louis, Mo. Yarn making. 2,245,359; June 10.
Peter, Rudolf, and H. Bial, Vienna, Austria. Game of skill. 2,245,156; June 10.
Peterson, Burt A., assignor to Barber-Colman Company, Rockford, Ill. Spooler. 2,245,360; June 10.
Peterson, Carl M., Huntington Park, Calif. Automatic window opener. 2,244,801; June 10.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Remote control system. 2,244,725; June 10.
Pfeiffer, William C. (See Wyrick, C. E., and Pfeiffer.)
Phelan, Jules E., Palestine, Tex. Water circulator and feed water heater. 2,245,496; June 10.
Philips, Harlow D., and J. Mihalyi, assignors to Eastman Kodak Company, Rochester, N. Y. Focusing mechanism for photographic cameras. 2,245,158; June 10.
Philips Petroleum Company. (See Lewis, Kenneth R., assignor.)
Pier, Mathias, Heidelberg, and G. Free, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to W. E. Currie, New York, N. Y. Conversion of combustible carbonaceous materials. 2,245,157; June 10.
Pierce, John E., assignor of one-half to C. C. Hoover, Denton, N. C. Harvester combine. 2,245,081; June 10.
Pierson, Ridgely B., Quincy, Ill. Collar. 2,244,802; June 10.
Pike, Eugene W. (See Massa, E. A., and Pike.)
Pilgrim, Forrest D., Kingsport, Tenn., and E. A. Robinson, Chatham, N. J., assignors to Eastman Kodak Company, Rochester, N. Y. Yarn treating composition and process. 2,245,412; June 10.
Pilot, Israel, New York, N. Y. Undergarment. 2,245,413; June 10.
Pinkney, Paul S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 2-mercapto thiazolines. 2,245,361; June 10.
Pinkney, Paul S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 2-mercapto thiazolines. 2,245,362; June 10.
Piron, Emil H., New York, N. Y., assignor to Transit Research Corporation. Cylindrical spring. 2,245,295; June 10.
Piron, Emil H., New York, N. Y., assignor to Transit Research Corporation. Spring. 2,245,296; June 10.
Pitt, Norman P., and A. C. Halferdahl, Rockcliffe, and F. E. Lathe, Ottawa, Ontario, assignors, by mesne assignments, to Canadian Refractories Limited, Montreal, Quebec, Canada. Refractory. 2,245,297; June 10.
Pittsburgh Plate Glass Company. (See Muskat, I. E., and Taylor, assignors.)
Pittsburgh Plate Glass Co. (See Pechukas, Alphone, assignor.)
Pittsburgh Plate Glass Company. (See Pollack, Maxwell A., assignor.)
Pixley, Judson S., Forest Hills, assignor to Armspear Manufacturing Company, New York, N. Y. Electric lantern. 2,244,895; June 10.
Plaskon Company, Incorporated. (See Menger, A., Bock, and Didden, assignors.)
Poland, Frank F., Highland Park, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Apparatus for continuously casting metals. 2,245,224; June 10.
Poll, Benjamin, Holland, Mich. Supporting horse. 2,244,963; June 10.
Pollack, Maxwell A., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Preparing halo acrylic esters. 2,245,547; June 10.
Poock, Louis F., and W. F. Aller, Dayton, Ohio, assignors to The Sheffield Corporation. Measuring instrument. 2,244,964; June 10.
Poor & Company. (See Warr, Harold G., assignor.)
Post, Helmut, Berlin-Charlottenburg, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Telephone system. 2,244,920; June 10.
Potchen, Joseph A., Grand Rapids, Mich., assignor to Haskelite Manufacturing Corporation. Flooring for aircraft. 2,245,497; June 10.
Potenza, Jack A. (See Gross, H., and Potenza.)
Prahl, Milton A. (See Stallmann, O., and Prahl.)
Preston, Nell D., Rochester, and F. B. Hitchcock, Greece, assignors to General Railway Signal Company, Rochester, N. Y. Switch and signal control system for railroads. 2,245,082; June 10.
Price, Charles S., Hollis, N. Y. Picture frame. 2,245,363; June 10.
Pringiers, Paul, La Louviere, Belgium, assignor to Baume & Marpent S. A. Rotary engine. 2,245,498; June 10.
Pritchard, Howard A. (See Harrold, C. W., and Pritchard.)
Proctor, John R., Bayonne, N. J. Welding metallic bungs to metallic drums. 2,245,298; June 10.
Progress, Incorporated. (See Bell, William B., assignor.)
Projahn, Heinrich. (See von Frankenberg und Ludwigsdorf, A., and Projahn.)
Pullman-Standard Car Manufacturing Company. (See Christianson, Andrew, assignor.)
Purdue Research Foundation. (See Bray, J. L., and Morral, assignors.)
Purdy, Charles F., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender shield and support. 2,244,896; June 10.
Pyle, Leslie R., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive front end. 2,244,726; June 10.
Quarnstrom, Bert L., et al. (See Burke James P., assignor.)

Radio Corporation of America. (See Banks, George B., assignor.)
Radio Corporation of America. (See Barton, Loy E., assignor.)
Radio Corporation of America. (See Brett, George F., assignor.)
Radio Corporation of America. (See Brokaw, C. A., and Renhard, assignors.)
Radio Corporation of America. (See Carlson, Wendell L., assignor.)
Radio Corporation of America. (See Conron, W. H., Harvey, and Carlson, assignors.)
Radio Corporation of America. (See Creager, Frederick L., assignor.)
Radio Corporation of America. (See Harvey, Robert L., assignor.)
Radio Corporation of America. (See Hathaway, Jarrett L., assignor.)
Radio Corporation of America. (See Koch, Winfield R., assignor.)
Radio Corporation of America (See Massa, E. A., and Pike, assignors.)
Radio Corporation of America. (See Morlock, William J., assignor.)
Radio Corporation of America. (See Peterson, Harold O., assignor.)
Radio Corporation of America. (See Riddle, James M., Jr., assignor.)
Radio Corporation of America. (See Walker, Louis E. Q., assignor.)
Radio Corporation of America. (See Wolff, Irving, assignor.)
Radio Corporation of America. (See Zimmerman, Arthur G., assignor.)
Radio Corporation of America. (See Zottu, Paul D., assignor.)
Raines, Irby L., Chester, S. C., assignor to Draper Corporation, Hopedale, Mass. Filling fork. 2,245,050; June 10.
Ralston, Anderson W., and J. Harwood, assignors to Armour and Company, Chicago, Ill. Purification of naphthenic acids through conversion to nitriles. 2,245,548; June 10.
Ratish, Herman D. (See Bullowa, J. G. M., and Ratish.)
Raybestos-Manhattan, Inc. (See Kuzmick, Joseph N., assignor.)
Raybestos-Manhattan, Inc. (See Matthews, John H., assignor.)
Reach, Milton B., Springfield. Mass. Play or game ball. 2,245,115; June 10.
Reed, Clair S., assignor to Reynolds Spring Company, Jackson, Mich. Border wire construction. 2,245,051; June 10.
Reed Corporation of America. (See Maier, Roy J., assignor.)
Reeves Steel and Manufacturing Company. (See Aungst, Ralph E., assignor.)
Refining, Inc. (See Thurman, Benjamin H., assignor.)
Reichel, Frank H., and A. E. Craver, assignors to Sylvania Industrial Corporation, Fredericksburg, Va. Cellulose derivative, wax emulsion for coating wrapping materials. 2,245,499; June 10.
Reichstein, Tadeus, Basel, Switzerland, assignor to Roche-Organon, Inc., Nutley, N. J. Derivative of pregnene. 2,245,299; June 10.
Rein, Herbert, Leipzig, and K. Rössler, Zscherndorf, Kreis Bitterfeld, assignors to I. G. Farbenindustrie Aktiengesellschaft Frankfort-on-the-main, Germany. Polyvinyl resin composition. 2,245,500; June 10.
Reiners, Wilhelm, G. Kahlisch, and S. Fürst, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany. Cop winding machine. 2,244,851; June 10.
Remington Arms Company, Inc. (See Hutchinson, J. F., and Schilling, assignors.)
Rendleman, Norman C., and B. A. Le Monte, assignors to Jones and Laughlin Steel Corporation, Pittsburgh, Pa. Manufacture of forging blanks. 2,244,852; June 10.
Renhard, Julius A. (See Brokaw, C. A., and Renhard.)
Renkin, Robert F., Sharon, Pa. Coating metal. 2,245,225; June 10.
Renkin, Robert F., Sharon, Pa. Coating metal. 2,245,226; June 10.
Research Corporation. (See Coey, Stewart C., assignor.)
Research Corporation. (See Wintermute, Harry A., assignor.)
Revere Copper and Brass Incorporated. (See Bunn, E. S., and Bennett, assignors.)
Revonah Spinning Mills. (See Malcolm, J. F., and Winter, assignors.)
Reynolds Spring Company. (See Reed, Clair S., assignor.)
Reyrolle, A., & Company Limited. (See Leyburn, Henry, assignor.)
Rhatigan, Matthew A., New York, N. Y. Fountain pen. 2,245,116; June 10.
Rhode, Martin E., Euclid, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Timer mechanism. 2,244,803; June 10.
Rice, Edward E., trustee, et al. (See Johnson, Melvin M., Jr., assignor.)
Rice, John H., Port Eynon, near Swansea, England, assignor to Rimer Manufacturing Co. Ltd. Control apparatus for hydraulic systems. 2,245,011; June 10.
Richardson, William C., Electra, Tex. Reciprocating pump. 2,245,501; June 10.
Richmond, Howard B. (See Thiele, W. F., and Richmond.)
Richter, Herbert. (See Mai, W., and Richter.)
Riddle, James M., Jr., West Collingswood, N. J., assignor to Radio Corporation of America. Audio-frequency amplifier. 2,245,365; June 10.
Riesz, Robert R., Mount Vernon, and H. S. Wertz, Forest Hills, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cathode ray device 2,245,364; June 10.
Rimer Manufacturing Co. Ltd. (See Rice, John H., assignor.)
Rittenhouse, A. E., Co., The. (See Lord, K. M., and Warren, assignors.)
Rittenhouse, A. E., Co., The. (See Rittenhouse, Lloyd, assignor.)
Rittenhouse, A. E., Co., The. (See Warren, Glenn E., assignor.)
Rittenhouse, Lloyd, assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y. Electric timing mechanism. 2,245,443; June 10.
Robbins Company, The. (See Leavens, Theodore, assignor.)
Roberts, Frederick W., assignor to Warner Bros. Pictures, Inc., New York, N. Y. High speed film printer. 2,244,965; June 10.
Roberts, Willard A., Cleveland, Ohio, assignor to General Electric Company. Fluorescent material. 2,245,414; June 10.
Robinson, Edwin A. (See Pilgrim, F. D., and Robinson.)
Robinson, Elliott L., Oklahoma City, Okla. Holder. 2,244,804; June 10.
Robinson, Henry, Lindenhurst, N. Y. Meat and vegetable chopper and mixer. 2,245,012; June 10.
Roche-Organon, Inc. (See Reichstein, Tadeus, assignor.)
Rochester Germicide Company. (See Eddy, Willard B., assignor.)
Rockwell, Edward A., West Hartford, assignor to The New Britain Machine Co., New Britain, Conn. Hydraulic power control valve. 2,244,966; June 10.
Rohn, Wilhelm, Hanau-on-the-Main, F. Bollenrath, Berlin-Johannisthal, and H. Cornelius, Berlin-Adlershof, Germany. Hardening cobalt-nickel-chromium-iron alloys. 2,245,366; June 10.
Roland, Heinrich. (See Jann, K., and Roland.)
Rollocurl Corporation. (See Schlicker, Herman C., assignor.)
Ronald Trust & Co. Limited. (See Chambers, William A., assignor.)
Ronning, Adolph, Minneapolis, Minn. Steerable vehicle truck. 2,244,853; June 10.
Rorrer, Charles E. (See Campbell, Carleton W., assignor.)
Rose, Edwin L. (See Doe, T. B., and Rose.)
Rosen, Eugene M. (See Carlson, C., and Rosen.)
Ross, Frederick N., Grosse Pointe Park, Mich. Wheel structure. 2,245,444; June 10.
Rössler, Karl. (See Rein, H., and Rössler.)
Rossmann, Peter F., Kenmore, N. Y., assignor to Curtiss Wright Corporation. Hydraulic pump and valve. 2,245,227; June 10.
Rosso, John E., Virginia, Minn. Manual bookkeeping apparatus. 2,245,228; June 10.
Roth, Dan, Yonkers, N. Y. Game. 2,244,921; June 10.
Roth, Lester B., assignor to Eclipse Lawn Mower Company, Prophetstown, Ill. Power mower. 2,244,967; June 10.
Roth, Oscar C., and B. Wilming, assignors to Faultless Caster Corporation, Evansville, Ind. Caster socket. 2,244,805; June 10.
Rothman, Jacob. (See Goldstein, Aaron D., assignor.)
Ruberoid Co., The. (See Abraham, Herbert, assignor.)
Rubira, Heliodoro, Jersey City, N. J. Hair curler. 2,244,897; June 10.
Runko, Michael, Brooklyn, N. Y. Coin drawer. 2,245,415; June 10.
Rutt, Edward A., assignor to Commerce Pattern Foundry and Machine Company, Detroit, Mich. Water-cooled spot welding mechanism. 2,244,727; June 10.
Ruttan, William J., Hawarden, Iowa. Rotary refrigerated locker system. 2,245,300; June 10.
Rutten, Peter, Plainfield, Ill. Pressed silo lug. 2,244,728; June 10.
Ruud, Oliver, Minneapolis, Minn., assignor, by mesne assignments, to Uhlemann Optical Co. of Illinois, Chicago, Ill. Eyeglass construction. 2,244,922; June 10.
St. John, Sylvester L., Mansfield, Mass. Decorticating method and apparatus. 2,244,971; June 10.
St. Pierre, Eugene. (See Green, I. H. C., and St. Pierre.)
Salkvist, Gustaf E. (See Berg, R., and Salkvist.)
Salsbury's, Dr., Laboratories. (See Mayfield, O. J., and Henry, assignors.)
Salz, Paul A., New York, N. Y. Liquid cleaning composition. 2,245,052; June 10.
Sammis, Louis B., and F. R. Hood, Wallace, Calif. Grader. 2,244,729; June 10.
Samuel, Arthur L., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,245,159; June 10.
Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Fender guard structure. 2,244,898; June 10.

Sanders, Charles M., Jr., Oak Park, Ill., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerating apparatus. 2,245,053; June 10.
Sandin, David A., St. Paul, Minn. Doughnut making machine. 2,244,854; June 10.
Satona Limited. (See Hartmann, Carl W., assignor.)
Sauer, Wilbur G. (See Miller, P. E., Sauer, and Hower.)
Scammell Lorries Limited. (See Hugh, P. G., and Baker, assignors.)
Schacht, Elmer C., Troy, N. Y., assignor, by mesne assignments, to Behr-Manning Corporation. Manufacture of abrasive articles. 2,245,301; June 10.
Scheckwitz, Louis, Long Beach, N. Y. Furrier's tool. 2,245,416; June 10.
Scheer, Richard H., Philadelphia, assignor to Vanity Fair Silk Mills, Reading, Pa. Welt stretching form. 2,245,502; June 10.
Schellenger, Newton C., El Paso, Tex., assignor to Chicago Telephone Supply Company, Elkhart, Ind. Electrical control unit. 2,245,367; June 10.
Schering Corporation. (See Schwenk, E. and Whitman, assignors.)
Schetzer, Charles H., North Portland, Oreg. Culinary implement. 2,244,730; June 10.
Schilling, Albert A. (See Hutchinson, J. F., and Schilling.)
Schimpf, Luther G., St. George, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,245,160; June 10.
Schlafhorst, W., & Co. (See Reiners, W., Kahlisch, and Fürst, assignors.)
Schlarmann, Theodore H., Buffalo, N. Y. Vehicle lift. 2,245,417; June 10.
Schlecht, Leo R., Staeger, and H. Klippel, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of nickel carbonyl. 2,245,503; June 10.
Schlick, Hellmut, Burgstadt, Saxony, Germany. Device for maintaining a constant tension on yarns in warping. 2,245,368; June 10.
Schlicker, Herman C., Brooklyn, assignor to Rollocurl Corporation, New York, N. Y. Hairdressing tool. 2,245,054; June 10.
Schlicker, Herman C., Brooklyn, assignor to Rollocurl Corporation, New York, N. Y. Hairdressing tool. 2,245,055; June 10.
Schlicker, Herman C., Brooklyn, assignor to Rollocurl Corporation, New York, N. Y. Hairdressing tool. 2,245,056; June 10.
Schmalenbach, Adolf, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa. Removal of acidic impurities from fuel gas. 2,244,731; June 10.
Schmidt, William D., assignor to The Heald Machine Company, Worcester, Mass. Honing apparatus. 2,244,806; June 10.
Schmitt, Henry M., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring apparatus. 2,244,732; June 10.
Schmitz, Werner, Grenchen, Switzerland. Operating means for the mechanism of chronographs. 2,245,302; June 10.
Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Ripening cellulose esters. 2,244,855; June 10.
Schramm, Christopher H., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Electric hoist. 2,245,057; June 10.
Schrumpf, Max, Berlin, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Push-pull high frequency stage. 2,244,807; June 10.
Schwabe, Kurt, Bielitz-Bielsko, Poland. Electrical color selecting device for weaving looms. 2,245,445; June 10.
Schwarz, Karl, Berlin-Lankwitz, assignor to Klangfilm G. m. b. H., Berlin, Germany. Sound recording apparatus. 2,244,733; June 10.
Schwechten, Heinz-Werner. (See Baumann, F., and Schwechten.)
Schweitzer & Conrad, Inc. (See Lindell, S. I., and Van Ryan, assignors.)
Schweizerische Industrie-Gesellschaft. (See Frei, Max, assignor.)
Schwenk, Erwin, Montclair, N. J., and B. Whitman, New York, N. Y., assignors to Schering Corporation, Bloomfield, N. J. Oxidizing sterolic compounds and products obtained thereby. 2,244,968; June 10.
Scott, Henry L., Company. (See Pendleton, Pyam L., assignor.)
Scott, Ray W., and A. O. McCollum, Detroit, Mich., assignors to Bendix Home Appliances, Inc., South Bend, Ind. Valve. 2,244,808; June 10.
Scovill Manufacturing Company. (See Machin, Willis H., assignor.)
Scovill Manufacturing Company. (See Tobler, John H., assignor.)
Security Lithograph Company. (See Moore, Earle H., assignor.)
Self Winding Clock Company. (See Stone, Lucien B., assignor.)
Sejarto, Lester, New York, N. Y. Glue applying tool. 2,244,856; June 10.
Seng Company, The. (See Fox, Martin, assignor.)
Serrell, Arthur H. (See Moross, George B., assignor.)
Severance, Rollin M., Saginaw, Mich. Precision spindle for grinding wheels and the like. 2,244,734; June 10.
Severy, Victor H., La Grange, assignor to Wilson & Bennett Manufacturing Company, Chicago, Ill. Container closure. 2,245,532; June 10.
Severy, Victor H., La Grange, assignor to Wilson & Bennett Manufacturing Company, Chicago, Ill. Container and closure therefor. 2,245,533; June 10.
Shallock, Edward W., assignor to American Ore Reclamation Company, Chicago, Ill. Grate and pallet construction. 2,245,136; June 10.
Shane, Milford R., Vandergrift, Pa. Pressure device for coating machine rolls. 2,245,303; June 10.
Sharpless Solvents Corporation. (See Olin, John F., assignor.)
Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Thermostatic draft control system. 2,245,229; June 10.
Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Relay. 2,245,230; June 10.
Shaw, Daniel E. (See Miller, Ray E., assignor.)
Sheffield Corporation, The. (See Poock, L. F., and Aller, assignors.)
Sheldrick, George E., Detroit, Mich. Cutting tool. 2,245,446; June 10.
Sheley, George T., Indianapolis, Ind. Lock nut. 2,245,231; June 10.
Shell Development Company. (See Bannerot, Richard A., assignor.)
Shell Development Company. (See Gilbert, Walton E., assignor.)
Shell Development Company. (See Waterman, H. I., and De Nie, assignors.)
Shell Development Company. (See White, Ellis R., assignor.)
Sheppard, George F., Montreal, Quebec, Canada. Transmission mechanism. 2,245,161; June 10.
Sherman, John C., assignor to American Reenforced Paper Company, Attleboro, Mass. Stretchable paper. 2,245,014; June 10.
Sherwood, Charlotte V. P., assignor to C. S. Denton, Chicago, Ill. Dust curtain. 2,245,504; June 10.
Sherwood, Reginald C., St. Paul, and C. G. Ferrari, Minneapolis, Minn., assignors to General Mills, Inc. Concentrated vitamin D in evaporated milk and process of producing the same. 2,245,418; June 10.
Shimer, John M., Dallas, Tex., assignor to Oil Well Supply Company. Counterbalancing equipment. 2,245,117; June 10.
Shimwell, Derrick W. (See Shimwell, Oliver and D. W.)
Shimwell, Oliver and D. W., Shiplake-on-Thames, assignors of one-third to C. Cooper, Southport, England. Loom for weaving. 2,245,013; June 10.
Shoults, David R. (See Goss, W. R., and Shoults.)
Sibal, Ludvik, Long Island City, N. Y. Combined flashlight and fan. 2,245,015; June 10.
Sibley, Robert L., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Mercerizing agent. 2,245,162; June 10.
Sickles, F. W., Company, The. (See Sickles, Royal F., assignor.)
Sickles, Royal F., assignor to The F. W. Sickles Company, Springfield, Mass. Piercing machine. 2,245,304; June 10.
Siedentopf, Karl, Bitterfeld, Germany, assignor to "Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue", Paris, France. Replenishing and correcting the electrolyte in the refining of aluminum. 2,245,505; June 10.
Siegenthaler, Walter, assignor to Maschinenfabrik Scharer, Erlenbach, Zurich, Switzerland. Winding machine including a plurality of winding spindles arranged on a common rotatable supporting member. 2,245,305; June 10.
Siegert, Arnold J. F. (See Varian, R. H., and Siegert.)
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Jann, K., and Roland, assignors.)
Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung. (See Nöthe, Erich, assignor.)
Siemens & Halske Aktiengesellschaft. (See Weis, A., and Drewes, assignors.)
Silverman, Abe, Pittsburgh, Pa. Pipe cleaning tool. 2,244,735; June 10.
Simpson, Herbert S. (See Christensen, A. C., and Castor, assignor.)
Simpson, Howard W., Dearborn, assignor to Detroi Harvester Company, Detroit, Mich. Tractor-mower assembly. 2,245,447; June 10.
Simpson, Howard W., Dearborn, assignor to Detroit Harvester Company, Detroit, Mich. Mower structure. 2,245,448; June 10.
Simpson, Howard W., Dearborn, assignor to Detroit Harvester Company, Detroit, Mich. Clutch throwout mechanism. 2,245,449; June 10.
Simpson, Howard W., Dearborn, assignor to Detroit Harvester Company, Detroit, Mich. Tractor-mower structure. 2,245,450; June 10.
Simpson, Howard W., Dearborn, assignor to Detroit Harvester Company, Detroit, Mich. Mower structure. 2,245,451; June 10.

Simpson, Howard W., Dearborn, and A. Abgarian, assignors to Detroit Harvester Company, Detroit, Mich. Mowing machine. 2,245,452; June 10.

Simpson, Thomas P., J. W. Payne, and P. D. Valas, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Treatment of solvent refined oils with adsorbents. 2,245,016; June 10.

Sinclair, Harold, Kensington, London, England. Variable-speed power-transmission gearing. 2,245,017; June 10.

Singer Manufacturing Company. (See Karle, John D., assignor.)

Skrebba, Ida, geb. Stühlinger, Lahr in Baden, Germany. Stapling apparatus. 2,245,506; June 10.

Skyrms, Fred J., Pittsburgh, Pa. Brick surfacing machine. 2,245,058; June 10.

Sletten, Kermit M., Willmar, Minn. Bucker, stacker, and loader. 2,244,857; June 10.

Slidette, Corp. (See Tripp, A. W., and Stiriss, assignors.)

Sloan, Theodore H., Charlerol, assignor to G. M. S. Corporation, Pittsburgh, Pa. Tumbler press. 2,244,809; June 10.

Slocum, Glen L., assignor of one-half to R. Stinson, Pampa, Tex. Automatic stop for pipe lines. 2,245,534; June 10.

Smith, Arthur E., Los Angeles, Calif. Ampoule syringe. 2,244,969; June 10.

Smith, Chester W., Lynn, Mass., assignor to General Electric Company. Power plant for aircraft. 2,245,163; June 10.

Smith, George D., assignor of one-fourth to W. A. Griffith, Mount Pleasant, Iowa. Apparatus for driving fence posts and the like. 2,244,899; June 10.

Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Polyvinyl acetal resin compositions containing the butyl ether of diethylene glycol succinate. 2,245,232; June 10.

Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose derivative compositions containing butyl butoxyacetate. 2,245,233; June 10.

Smith, Robert R., Lawrence, Kans. Ladder extension jack. 2,245,306; June 10.

Smith, William M., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Cam switch. 2,245,369; June 10.

Smithe, F. L., Machine Co. (See Novick, Abraham, assignor.)

Snyder, Samuel. (See Weaver, James C., assignor.)

Societe Nobel Francaise. (See Belloc, Maurice, assignor.)

Socony-Vacuum Oil Company. (See Payne, John W., assignor.)

Socony-Vacuum Oil Company. (See Simpson, T. P., Payne, and Valas, assignors.)

Solvay Process Company, The. (See Kise, M. A., and Wenner, assignors.)

Somers, Richard M., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,245,164; June 10.

Soucy, Joseph R. V., Somerville, Mass. Flashing fastener. 2,244,970; June 10.

South Bend Lathe Works. (See Garvin, George L., assignor.)

Spalding, A. G., & Bros. Inc. (See Brown, William T., assignor.)

Spears-Wells Machinery Company. (See Olds, H. A., and I. M. and W. Wells.)

Spectraldruck G. m. b. H. (See Hugentobler, Walter, assignor.)

Spencer, Frank C., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus actuating means. 2,245,018; June 10.

Spielholz, Emanuel, New York, N. Y., assignor to Duro Test Corporation, North Bergen, N. J. Glass product and making the same. 2,245,137; June 10.

Spry, Alice M., executrix. (See Spry, William M.)

Spry, William M., deceased; A. M. Spry, executrix, Revere, assignor to The Peerless Machinery Company, Boston, Mass. Contact feeding mechanism. 2,245,165; June 10.

Staeger, Rudolf. (See Schlecht, L., Staeger, and Klippel.)

Stallmann, Otto, South Milwaukee, and M. A. Prahl, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of leuco esters of vat dyestuffs. 2,245,535; June 10.

Standard Oil Development Company. (See Hall, H. J., and Menshih, assignors.)

Standard Oil Company of California. (See Holm, M. M., and Oakley, assignors.)

Standard Railway Equipment Manufacturing Company. (See West, Victor E., assignor.)

Standard Railway Refrigerator Company. (See West, Victor E., assignor.)

Standard Railway Refrigerator Company. (See Winship, Ralph B., assignor.)

Standard Railway Refrigerator Company. (See Zeidler, Kurt E., assignor.)

Stanolind Oil and Gas Company. (See Farris, Riley F., assignor.)

Staples, Crawford E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Absolute permissive block system of railway signaling. 2,244,901; June 10.

Starr, Frank F., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,244,900; June 10.

Stember, Bernard, East Orange, N. J., assignor to Amity Leather Products Co., West Bend, Wis. Lady's handbag. 2,244,858; June 10.

Stephens, Russell W., Lakeview, Mich. Milking stool. 2,245,118; June 10.

Sterling Corporation, The. (See Bowser, Percy L., Jr., assignor.)

Stern, L. H., Inc. (See Stern, Robert L., assignor.)

Stern, Robert L., assignor to L. & H. Stern, Inc., Brooklyn, N. Y. Pipe. 2,245,019; June 10.

Stewart, Lemuel L., Elkhart, Ind., assignor to The Adlake Company. Light fixture. 2,244,736; June 10.

Stewart, Lemuel L., Elkhart, Ind., assignor to The Adlake Company. Lighting fixture. 2,244,737; June 10.

Stich, Eugen, Mannheim, Germany. Automatic cultivation of yeast. 2,244,902; June 10.

Stiles, Charles S. (See Courtright, H. F., and Stiles.)

Stinson, Reno. (See Slocum, Glen L., assignor.)

Stiriss, Jacob D. (See Tripp, A. W., and Stiriss.)

Stone, Ernest G., assignor to O. M. Franklin Serum Company, Denver, Colo. Horn forming weight. 2,244,810; June 10.

Stone, Lucien B., South Orange, N. J., assignor to Self Winding Clock Company, Inc., Brooklyn, N. Y. Synchronized secondary clock movement. 2,244,811; June 10.

Strahley, Charles F., Tocoma, Wash. Superheater. 2,245,307; June 10.

Stroup, Philip T., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Cold worked aluminum base alloy and producing it. 2,245,166; June 10.

Stroup, Philip T., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Wrought aluminum base alloy and method of producing it. 2,245,167; June 10.

Stuart, Henry A. (See Hoenemann, T., and Stuart.)

Stumpf, Lewis T., Cleveland, Ohio. Stroke indicating device. 2,244,972; June 10.

Sturdy-Belt Equipment Corporation. (See Dostal, John R., assignor.)

Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Method and apparatus for testing. 2,245,168; June 10.

Sullivan, Edmund B., Mount Vernon, N. Y. Fountain pen clip. 2,245,059; June 10.

Sunbeau Oil Burner Company. (See Cooper, Charles L., assignor.)

Sutton-Horsley Company Limited. (See Horsley, Caperton B., assignor.)

Svoboda, Emil, Blooming Prairie, Minn. Bobsled construction. 2,244,923; June 10.

Swan, Harry L., Lake Village, Ark. Resuscitator. 2,244,973; June 10.

Swift, George W., Jr. Inc. (See Bruker, Hobart W., assignor.)

Sylvan, Joseph, Detroit, Mich. Weather stripping. 2,244,739; June 10.

Sylvania Industrial Corporation. (See Reichel, F. H., and Craver, assignors.)

Szalay, Ferenc, Budapest, Hungary, assignor to Inventio Patentverwertungs-Aktiengesellschaft, Glarus, Switzerland. Current collector for trolley buses or like vehicles. 2,245,507; June 10.

Talon, Inc. (See Banning, Frederick D., assignor.)

Talon, Inc. (See Corner, George H. C., assignor.)

Tannehill, Vernon L., et al. (See Lepper, Walter W., assignor.)

Tanner, Elo C., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooler for bottled beverages. 2,245,234; June 10.

Tanner, Robert R., Detroit, Mich. Metal treatment and product. 2,244,740; June 10.

Taylor, George W., Sr., Cut Bank, Mont. Well pump operating apparatus. 2,244,812; June 10.

Taylor Instrument Companies. (See Olson, Raymond E., assignor.)

Taylor, Robert H. (See Muskat, I. E., and Taylor.)

Taylor, Thomas, & Sons, Inc. (See Dawes, Robert T., assignor.)

Technigraph, Inc. (See Allen, J. C., and Fedotoff, assignors.)

Tefag Textil-Finanz A. G. (See Moessinger, Albert, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Bechmann, Rudolf, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Leifer, Alfred, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Lutz, Ferdinand E., assignor.)

Telephon-Apparat Fabrik E. Zwietusch and Co. G. m. b. H. (See Döhle, Hinrich, assignor.)

Telephone Manufacturing Company, The. (See Paddle, Leslie H., assignor.)

Thalmann, Emil, assignor to the firm Gebrüder Bühler, Uzwil, Switzerland. Die carrier for continually operating presses for producing flour paste articles. 2,245,308; June 10.

Thiele, William F., and H. B. Richmond, assignors of nine-tenths to Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis., and one-tenth to P. J. Massey, River Forest, Ill. Coating apparatus. 2,244,859; June 10.

Thomas, James W., Sr., Richmond, Mo. Valve. 2,244,974; June 10.

Thompson, Harry, assignor to Genco Company, Chicago, Ill. Ball operated switch. 2,245,020; June 10.

Thomson, Judson L., Manufacturing Company. (See Havener, Arthur R., assignor.)

Thorson, Roy M., Richmond, Calif. Alarm clock. 2,44,924; June 10.

Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Making, removing, and processing soap and the like. 2,245,536; June 10.

Thurman, Benjamin H., Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev. Recovery of phosphatides. 2,245,537; June 10.

Thurman, Benjamin H., Charlotte, N. C., assignor to Refining, Inc., Reno, Nev. Recovery of higher fatty alcohols. 2,245,538; June 10.

Thurston, Charles A., assignor to J. W., W. W., and J. J. Herlihy, Haverhill, doing business as Lowell Counter Co., Lowell, Mass. Making shoe parts. 2,245,235; June 10.

Tilt, Edwin E., and M. H. Baudendistel, Jr., St. Louis, Mo. Pump. 2,244,860; June 10.

Tinnerman, George A. (See Hansman, G. A., and Tinnerman.)

Tinnerman, George A., Rocky River, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,244,975; June 10.

Tinnerman, George A., Rocky River, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,244,976; June 10.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Shelf-support mounting or the like. 2,244,978; June 10.

Tinnerman Products, Inc. (See Hansman, G. A., and Tinnerman, assignors.)

Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)

Titus, Tadeusz P. (See Mauriell, Ralph, assignor.)

Tobler, John H., assignor to Scoville Manufacturing Company, Waterbury, Conn. Shutoff valve. 2,245,097; June 10.

Tommerup, Carl C. H., Lakewood, Ohio. Sanding device. 2,244,813; June 10.

Tovar, Jorge G., Mexico City, Mexico. System for the rectification and amplification of signals of relatively high frequency. 2,244,741; June 10.

Transit Research Corporation. (See Piron, Emil H., assignor.)

Travis, George B., Washington, D. C. Sanitary laminated pad. 2,245,508; June 10.

Treibs, Alfred. (See Halbig, P., and Treibs.)

Trieschmann, Hans-Georg, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of 4.4'-Dichlorodibutyl ether. 2,245,509; June 10.

Tripp, Anthony W., and J. D. Stiriss, assignors to Slidette Corp., New York, N. Y. Means for and method of mounting stemmed articles. 2,245,021; June 10.

Tripp, Anthony W., and J. D. Stiriss, assignors to Slidette, Corp., New York, N. Y. Slide fastener. 2,245,022; June 10.

Trivelli, Adrian P. H., and B. H. Carroll, assignors to Eastman Kodak Company, Rochester, N. Y. Method of increasing infrared sensitivity. 2,245,236; June 10.

Truex, George O., Schenectady, N. Y., assignor to General Electric Company. Elastic fluid turbine diaphragm. 2,245,237; June 10.

Turek, Frank S., Yonkers, assignor to Interchemical Corporation, New York, N. Y. Making metallic phthalocyanine compounds. 2,245,098; June 10.

Turley, Joseph Edward, assignor to E. H. Augat, Attleboro, Mass. Curtain hanger. 2,245,510; June 10.

Turnbull, Arthur, Jr., Far Hills, and H. R. Warnke, assignors to United States Instrument Corporation, East Orange, N. J. Telephone instrument. 2,245,511; June 10.

Twentieth Century-Fox Film Corporation. (See Hulburt, George D., assignor.)

Tyne Co. (See Tyne, John J., assignor.)

Tyne, John J., Oak Park, assignor to Tyne Co., Chicago, Ill. Threading machine and work supporting member therefor. 2,244,925; June 10.

Tyson, Harry, Brooklyn, N. Y. Road grooving machine. 2,244,742; June 10.

Uden, Jacob T., New York, N. Y. Camera. 2,245,370; June 10.

Uhlemann Optical Co. of Illinois. (See Rudd, Oliver, assignor.)

Uhlemann Optical Co. of Illinois. (See Uhlemann, Richard H., assignor.)

Uhlemann, Richard H., Antioch, assignor to Uhlemann Optical Co. of Illinois, Chicago, Ill. Ophthalmic lens and mounting. 2,244,926; June 10.

Ulrich, Frederick, assignor to Conmar Products Corporation, Bayonne, N. J. Locking slider for slide fasteners. 2,244,743; June 10.

Union Asbestos & Rubber Company. (See Lundvall, John S., assignor.)

Union Carbide & Carbon Corporation. (See Obert, Casin W., assignor.)

Union Chimique Belge Societe Anonyme. (See Guillissen, Joseph, assignor.)

Union Switch & Signal Company, The. (See Bone, Herbert L., assignor.)

Union Switch & Signal Company, The. (See O'Hagan, Bernard E., assignor.)

Union Switch & Signal Company, The. (See Staples, Crawford E., assignor.)

Unitcast Corporation. (See Wine, William E., assignor.)

United Aircraft Corporation. (See Williams, George L., assignor.)

United American Metals Corporation. (See Jung, A. H., and Hubelmeyer, assignors.)

United Elastic Corporation. (See Nordseth, Halfdan J., assignor.)

United Shoe Machinery Corporation. (See Frampton, Stanley E., assignor.)

United Shoe Machinery Corporation. (See MacKenzie, Wilbur L., assignor.)

United States Instrument Corporation. (See Turnbull, A., Jr., and Warnke, assignors.)

United States Pipe and Foundry Company. (See Von Frankenberg und Ludwigsdorf, A., and Projahn, assignors.)

United States Steel Corporation. (See Hammerstrom, Karl R., assignor.)

United States Steel Corporation of Delaware. (See King, Clarence D., assignor.)

Universal Button Fastening & Button Company. (See Langley, Frank F., assignor.)

Universal Oil Products Company. (See Gerhold, Clarence G., assignor.)

Unke, Herman A., Cleveland, Ohio. Threaded thin-walled article. 2,245,419; June 10.

Upham, Burt F., Grimsby, Ontario, Canada. Bed motion for printing presses. 2,244,979; June 10.

Uytenbogaart, Johannes, Berlin-Lichterfelde, Germany, and C. F. Gram, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Drying yarn. 2,244,744; June 10.

Uytenbogaart, Johannes, Wassenaar, Netherlands, and C. F. Gram, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y. Apparatus for drying yarn. 2,244,745; June 10.

Underwood, Elvin M., assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio. Revolving cone mixer. 2,244,814; June 10.

Underwood, Elvin M., assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio. Revolving cone mixer. 2,244,815; June 10.

Valas, Peter D. (See Simpson, T. P., Payne, and Valas.)

Van Geel, Willem C. (See Addink, N. W. H., Bügel, and van Geel.)

Van Ryan, Anthony. (See Lindell, S. I., and Van Ryan.)

Van Tuyl, Sidney, Berwyn, assignor to C. R. Kirk, River Forest, Ill. Vending machine. 2,245,371; June 10.

Van Tuyl, Sidney, Berwyn, assignor to C. R. Kirk, River Forest, Ill. Vending machine. 2,245,372; June 10.

Van Voorhis, Fred S., Saugerties, N. Y. Papermaking machine. 2,244,746; June 10.

Vanity Fair Silk Mills. (See Scheer, Richard H.)

Vanstone, Thomas J. and W. E., and E. G. Etes, Rockford, Ill. Wheel press. 2,244,927; June 10.

Vanstone, Walter E. (See Vanstone, Thomas J. and W. E., and Etes.)

Vapor Car Heating Company. (See Smith, William M., assignor.)

Varian, Russell H., and A. J. F. Siegert, assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. Thermonic vacuum tube and circuits. 2,244,747; June 10.

Veeder-Root Incorporated. (See Grizey, George J., assignor.)

Volz, Chris L., Birmingham, Mich. Cutter head for electric razors. 2,245,420; June 10.

Von Ende, Emil F., Haslach i./K., and H. Geffcken, Berlin, Germany. Compressed fibrous material. 2,245,169; June 10.

Von Ende, Emil F., Haslach i./K., and H. Geffcken, Berlin, Germany. Producing veneers. 2,245,170; June 10.

Von Frankenberg und Ludwigsdorf, Albrecht, and H. Projahn, Geisenkirchen, Germany, assignors to United States Pipe and Foundry Company, Burlington, N. J. Making deformed steel tubes. 2,245,421; June 10.

Von Lynn, Charles F., Cranford, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa. Die casting apparatus. 2,244,816; June 10.

Vulcan Radiator Company, The. (See Clarke, Walter R., assignor.)

Wacker, Dr. Alexander, Gesellschaft für Elektrochemische Industrie, G. m. b. H. (See Herrmann, W. O., and Haehnel, assignors.

Waddell, Benson F., Jackson Heights, N. Y., assignor to The Wilcolator Company, Newark, N. J. Temperature control for gas ranges. 2,245,060; June 10.

Waddell, Homer J., Baltimore, Md. Self-lubricating valve. 2,244,928; June 10.

Wagner Electric Corporation. (See Dick, Burns, assignor.)

Wagner Electric Corporation. (See Freeman, Walter R., assignor.)
Walk, Mimi S. and R. P., New York, N. Y. Manual knitting accessory. 2,244,903; June 10.
Walk, Robert P. (See Walk, Mimi S. and R. P.)
Walker, C. S. (See White, Manes T., assignor.)
Walker, Louis E. Q., Chelmsford, England, assignor to Radio Corporation of America. Radio direction finding receiver. 2,244,748; June 10.
Walker, Samuel R., Sr., Houston, Tex. Serving table. 2,244,861; June 10.
Wall, Edmund L., Los Angeles, Calif. Variable speed hydraulic clutch. 2,244,929; June 10.
Wallgren, August G. F., Stockholm, assignor to Liljeqvist Sågblads-Och Redskapsfabrik Nya A. B. Eskilstuna, Sweden. Locking device. 2,244,930; June 10.
Walsh, James F., Yonkers, N. Y., assignor to American Maize-Products Company. Manufacturing dried starch conversion products. 2,245,309; June 10.
Walton, George W., Kensington, London, England. Electron multiplier circuits. 2,245,119; June 10.
Ware, Marsden, Huntington Woods, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,244,749; June 10.
Warnat, Kurt, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Sulphanilamide phosphoric acid derivative and the manufacture thereof. 2,245,539; June 10.
Warner Bros. Pictures, Inc. (See Roberts, Frederick W., assignor.)
Warnke, Herbert R. (See Turnbull, A., Jr., and Warnke.)
Warr, Harold G., Park Ridge, assignor to Poor & Company, Chicago, Ill. Rail anchor. 2,244,755; June 10.
Warren, Glenn E. (See Lord, K. M., and Warren.)
Warren, Glenn E., assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y. Signal device. 2,245,453; June 10.
Waterbury Farrel Foundry and Machine Company, The. (See Wilcox, Richard L., assignor.)
Waterbury Tool Company, The. (See Doe, T. B., and Rose, assignors.)
Waterman, Helm I., and W. L. J. de Nie, Delft, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Undulating artificial fibers. 2,245,310; June 10.
Watson, Glenn W., Detroit, Mich. Coffee making device. 2,245,238; June 10.
Watson-Stillman Co., The. (See Knowles, Edward R., assignor.)
Weaver, James C., assignor to S. Snyder, Harrisburg, Pa. Governor valve. 2,245,512; June 10.
Webb, Lewis W., and J. W. McNairy, Erie, Pa., assignors to General Electric Company. Electric vehicle drive system. 2,245,083; June 10.
Webb, Lewis W. (See McNairy, J. W., and Webb.)
Weber, Charles G., St. Louis, Mo. Concrete form. 2,244,931; June 10.
Weicker, Carl H., Toronto, Ontario, Canada. Hand moistener. 2,245,513; June 10.
Weis, Adolf, and G. Drewes, Berlin-Charlottenburg, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Magnetizable core. 2,245,373; June 10.
Weisenburg, Andrew, Philadelphia, Pa., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Apparatus for manufacturing cork composition material. 2,244,750; June 10.
Weiss, Milton H., et al. (See Donash, Julius, assignor.)
Wells, Ira M. (See Olds, H. A. and I. M., and W. Wells.)
Wells, Ward. (See Olds, H. A. and I. M., and W. Wells.)
Wenner, Ralph R. (See Kise, M. A., and Wenner.)
Werrman, Hellmut, Berlin-Charlottenburg, assignor to "Fides" Gesellschaft fur die Verwaltung and Verwertung von Gewerblichen Schutzrechten, m. b. H., Berlin, Germany. Method and arrangement for testing amplifiers. 2,244,751; June 10.
Wertz, Hugh S. (See Riesz, R. R., and Wertz.)
West Disinfecting Company. (See Marcuse, John A., assignor.)
West, Victor E., assignor to Standard Railway Equipment Manufacturing Company, New Kensington, Pa. Refrigerator car flue arrangement. 2,245,023; June 10.
West, Victor E., Chicago, Ill., assignor, by mesne assignments, to Standard Railway Refrigerator Company. Refrigerator car construction. 2,245,024; June 10.
Western Electric Company. (See Gilley, Thomas G., assignor.)
Western Electric Company. (See Spencer, Frank C., assignor.)
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mosshart, Donald J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sanders, Charles M., Jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tanner, Elo C., assignor.)
Wetzel, Theodore A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Regulating valve. 2,245,171; June 10.
Wheat, Grant, assignor to Koehler Manufacturing Company, Marlboro, Mass. Storage battery for hearing-aid apparatus. 2,245,099; June 10.
White, Charles H., assignor to Deere & Company, Moline, Ill. Disk harrow. 2,245,374; June 10.
White, Ellis R., Albany, assignor to Shell Development Company, San Francisco, Calif. Recovery of solutizers. 2,245,311; June 10.
White, Manes T., assignor of one-half to C. S. Walker, Coleman, Tex. Spectator's portable shelter. 2,245,312; June 10.
White, Roy S. (See Dondineau, J. L., and White.)
White, Starley M., et al. (See Lepper, Walter W., assignor.)
Whitehall Patents Corporation. (See Morin, Louis H., assignor.)
Whittaker, William A., Dobbs Ferry, assignor to Anaconda Wire & Cable Company, New York, N. Y. Armored electric cable. 2,245,422; June 10.
Whitman, Bradley. (See Schwenk, E., and Whitman.)
Wiegand, Francis J. (See Hunter, F. B., Wiegand, and Lane.)
Wieking, William C., Woodhaven, assignor to R. Hoe & Co., Inc., New York, N. Y. Method and means for renewing web rolls in printing machines. 2,245,025; June 10.
Wilcolator Company, The. (See Waddell, Benson F., assignor.)
Wilcox, Richard L., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn. Feed mechanism. 2,244,817; June 10.
Wiley, William R., Birmingham, Mich. Clip. 2,245,375; June 10.
Wilhite, Harriet A., Indianapolis, Ind. Hem gauge and liner. 2,245,313; June 10.
Willcox & Gibbs Sewing Machine Company. (See Cumfer, Donald A., assignor.)
Williams, Floyd E., Gary, Ind., assignor to Marbon Corporation Chicago, Ill. Coated sheet material and article made therefrom. 2,244,795; June 10.
Williams, George L., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Dynamic vibration damper. 2,245,239; June 10.
Williams, William, Wilkes-Barre, Pa. Hairpin. 2,245,515; June 10.
Williamson, Arthur T., Northwich, England, assignor to Imperial Chemical Industries Limited. Absorption of bromine. 2,245,514; June 10.
Willis, Felix R. (See Willis, Gertrude L. and F. R.)
Willis, Gertrude L. and F. R., Los Angeles, Calif. Pedal control. 2,245,314; June 10.
Wilmanns, Gustav. (See Bauer, F., and Wilmanns.)
Wilming, Bernard. (See Roth, O. C., and Wilming.)
Wilson & Bennett Manufacturing Company. (See Severy, Victor H, assignor.)
Wilson, Earl R. (See Lenz, A., Hall, and Wilson.)
Wilson Supply Company. (See Nixon, Jeddy D., assignor.)
Wine, William E., assignor to Unitcast Corporation, Toledo, Ohio. Hopper car door. 2,245,376; June 10.
Winship, Ralph B., Montreal, Quebec, Canada, assignor, by mesne assignments, to Standard Railway Refrigerator Company. Refrigerator car construction. 2,244,862; June 10.
Winship, Ralph B., Montreal, Quebec, Canada, assignor, by mesne assignments, to Standard Railway Refrigerator Company. Refrigerator car construction 2,244,863; June 10.
Winslow, Albert E., New London, assignor, by mesne assignments, to Atwood Machine Company, Stonington, Conn. Brake for spindles. 2,245,423; June 10.
Winter, Charles. (See Malcolm, J. F., and Winter.)
Wintermute, Harry A., Plainfield, N. J., assignor to Research Corporation, New York, N. Y. Electrical precipitator. 2,245,516; June 10.
Wiremold Company, The (See La Ducer, Arthur O, assignor)
Wisniewski, Theodore, Detroit, Mich. Fish lure. 2,245,061; June 10.
Witham, George S., Jr., Portland, Oreg. Indicator and control, particularly for paper machines. 2,244,864; June 10
Witkin, B. E. (See Marvin, Stanley, assignor.)
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Sound motion picture apparatus. 2,245,240; June 10.
Wolfe, John W., administrator. (See Lincoln, B. H., and Henriksen.)
Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Thermionic tube. 2,244,752; June 10.
Wolff, Irving, Merchantville, N. J., assignor to Radio Corporation of America. Magnetron. 2,244,753; June 10.
Wood, Donald L., assignor to Eastman Kodak Company, Rochester, N. Y. Lens mount and assembling the same. 2,245,241; June 10.
Wood, Henry H., Pittsburgh, Pa., assignor to Morgan Construction Company, Worcester, Mass. Bearing. 2,245,084; June 10.
Woodruff, Louis F., Wellesley, Mass., assignor to A. C. Nielsen Company, Chicago, Ill. Fastening device. 2,244,818; June 10.
Woodworth, John L., Schenectady, N. Y., assignor to General Electric Company. Carrier current control transmitter system. 2,245,242; June 10.
Wrba, Pablo. (See Lewit, A., and Wrba.)
Wright Aeronautical Corporation. (See Chilton, Roland, assignor.)

Wright Aeronautical Corporation. (See Hunter, F. B., Wiegand, and Lane, assignors.)
Wright Aeronautical Corporation. (See Lundquist, Wilton G., assignor.)
Wynd, Clarence L. A. (See Carver, E. K., and Wynd.)
Wyrick, Clayton E., and W. C. Pfeiffer, assignors to The Egry Register Company, Dayton, Ohio. Carbon folder for speed-feed manifolding devices. 2,244,819; June 10.
Yale & Towne Manufacturing Company, The. (See Framhein, Herbert J., assignor.)
Young, Emil O., Cleveland, Ohio. Damper or valve operating mechanism. 2,245,243; June 10.
Zaiger, Max, Swampscott, Mass. Windshield wiper arm. 2,245,244; June 10.
Zalkind, Philip, New York, N. Y. Interlocking for containers. 2,245,026; June 10.
Zeidler, Kurt E., assignor to Standard Railway Refrigerator Company, Chicago, Ill. Refrigerator car. 2,244,820; June 10.
Zelt, Elmer J. (See Eltman, J. F., Zelt, and Mittermaier.)
Zervas, Paul, Cologne-Mulheim, Germany, assignor to General Aniline & Film Corporation, New York, N. Y. Polyazo dyestuffs. 2,245,517; June 10.
Zerweck, Werner, and W. Kunze, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation. Producing 4-hydroxy-1-aminonaphthalene-8-carboxylic acid and 4-hydroxynapthostyril. 2,245,172; June 10.
Zerweck, Werner, and W. Kunze, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation. Water-insoluble azo dye. 2,245,173; June 10.
Ziese, Walter, Mannheim, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Production of carbonyl compounds. 2,245,377; June 10.
Zimmerman, Arthur G., Indianapolis, Ind., assignor to Radio Corporation of America. Sound reproducing mechanism. 2,244,754; June 10.
Zindel, Ernst, assignor to Maschinenfabrik Schärer, Erlenbach, Switzerland. Thread guide feeding device for winding machines. 2,245,315; June 10.
Zottu, Paul D., West Caldwell, N. J., assignor to Radio Corporation of America. Wave meter. 2,245,138; June 10.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF JUNE, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apparatus for and a method of cutting pipe. G. A. Lowrey. Re. 21,824; June 10.
Furniture, Store. P. G. Williams and K. C. Welch. Re. 21,825; June 10.
Lamp, Electric discharge. L. Burns. Re. 21,823; June 10.
Manifolding. C. W. Brenn. Re. 21,822; June 10.

LIST OF PLANT INVENTIONS

Apple. I. E. Soderlund. 474; June 10.

LIST OF DESIGN INVENTIONS

Apron. R. N. Moore. 127,778; June 10.
Bench. L. G. Haase. 127,713; June 10.
Bottle. A. I. Lorenzen. 127,684; June 10.
Bottle, Glass. M. C. Foley. 127,711; June 10.
Bottle opener and key ring, Combined. M. H. Pietrzyk. 127,727; June 10.
Bottle or similar container. C. L. Hansen. 127,714; June 10.
Bowling alley or similar article. P. Marchitelli. 127,696; June 10.
Breastpin or the like. E. Parks. 127,699; June 10.
Brooch. F. Mosell. 127,708; June 10.
Brooch or similar article. A. Katz. 127,746–7; June 10.
Buckle or similar article. F. Gray. 127,722; June 10.
Bumper or similar article, Automobile. G. W. Walker. 127,742; June 10.
Burner, bowl, and utensil support for stoves, Combined. W. T. Bradbury and H. F. Lieber. 127,709; June 10.
Cab, Tractor. R. G. Le Tourneau. 127,739; June 10.
Cabinet, Combined seed display and sales. T. H. Brown. 127,672; June 10.
Case or similar article, Desk calender. W. B. Petzold. 127,726; June 10.
Case or the like, Jewelry. L. Flier. 127,677; June 10.
Casing, Vacuum cleaner. W. B. Petzold. 127,725; June 10.
Charm or similar article. S. Goldberger. 127,704; June 10.
Clasp, Necktie. A. Gold. 127,721; June 10.
Coat. B. Staehle. 127,768; June 10.
Coat. M. Weinstein. 127,772–5; June 10.
Container or the like, Perfume. C. H. Foster. 127,737; June 10.
Cup, Combined bottle and dispensing. D. F. Ryan. 127,687; June 10.
Cut-off device for dispensing apparatus, Automatic. H. F. Soper. 127,689; June 10.
Doll face mask or similar article. A. A. Gerling. 127,693; June 10.
Dress. B. Cashin. 127,777; June 10.
Dress. J. M. Fauth. 127,759; June 10.
Dress. S. Franklin. 127,760; June 10.
Dress. A. Henry. 127,763; June 10.
Dress. C. McCardell. 127,765; June 10.
Dress. M. Michelson. 127,766; June 10.
Dress. B. Staehle. 127,767; June 10.
Dress. B. Staehle. 127,769–71; June 10.
Electrical control, Panelboard unit. W. H. Frank. 127,712; June 10.
Emblem, Commemorative. J. M. Reardon. 127,701; June 10.
Fabric or similar article, Textile. C. Haslam. 127,715–17; June 10.
Fabric or similar article, Textile. J. M. Langenieux. 127,751–3; June 10.
Fabric, Textile. R. Hoellerich. 127,738; June 10.
Fabric, Textile. J. Masci. 127,754; June 10.
Figure display and container, Combined. G. L. Rosenfeld. 127,718; June 10.
Fork and spoon, Combined salad. J. L. Tonelli. 127,728; June 10.
Fork, Combination double salad. J. L. Tonelli. 127,729; June 10.
Fountain. G. B. Spiegel. 127,719; June 10.
Furnace, Tinner's. P. M. Forster. 127,678; June 10.
Game board. C. C. Groesbeck. 127,694; June 10.
Game board. T. Nitza and E. W. Karl. 127,698; June 10.
Game board. C. L. Winchell. 127,703; June 10.
Game board or similar article. R. M. Gatreli and E. Littlefield. 127,692; June 10.
Garment curing form. N. S. Sarkisian. 127,688; June 10.
Handle, Door latch. C. E. Hodgman. 127,681; June 10.
Handwheel. H. Dreyfuss. 127,734–6; June 10.
Hat. J. Cohn. 127,733; June 10.
Head for hand mirror or similar article. L. Marder. 127,697; June 10.
Hoe head or similar article. W. Paschke. 127,700; June 10.
Holder, Cigarette. C. Deitch. 127,710; June 10.
Holder or similar article, Scarf. G. H. Montmartin. 127,740; June 10.
Holder, Tie. W. J. Morse. 127,779; June 10.
Insert for shoes, Resilient. M. Margolin. 127,724; June 10.
Invigorator, Foot. J. K. Milton. 127,686; June 10.
Jacket. B. Cashin. 127,756; June 10.
Jewelry finding for pins or other similar articles of jewelry. S. N. Stone. 127,781; June 10.
Knob, Tap. F. C. Fisher. 127,691; June 10.
Lace. I. Zendman. 127,755; June 10.
Lamp fixture, Flourescent. C. F. MacCarthy. 127,685; June 10.
Lamp, Flourescent floor. J. F. Livers. 127,683; June 10.
Leather, Flocked. J. L. Burke. 127,732; June 10.
Lock for luggage containers or the like. A. Levine. 127,682; June 10.
Mitten. N. J. Rice. 127,780; June 10.
Pail, Lunch. G. A. Allen. 127,670; June 10.
Photographic printing apparatus. F. E. Tuttle and J. Stolber. 127,730; June 10.
Pin or similar article. E. L. Christensen. 127,743; June 10.
Post for bowling ball racks or the like, Newel. E. J. Cloutier. 127,675; June 10.
Post for bowling ball racks or the like, Terminal. E. J. Cloutier. 127,674; June 10.
Rack, Bag. V. Garrison. 127,679; June 10.
Radio or similar article. K. Lerman. 127,764; June 10.
Reflector. S. M. Dover. 127,676; June 10.
Score table and bowling alley service unit or similar article, Combined. E. J. Cloutier. 127,673; June 10.
Shoe. E. Z. Lipari. 127,723; June 10.
Shoe sole or similar article. H. F. Barber. 127,776; June 10.
Slip. S. Landau. 127,748–50; June 10.
Spoon. W. A. Foster. 127,720; June 10.
Stair tread. T. J. Lewis. 127,695; June 10.
Stand or similar article, Magazine. F. K. Bostian. 127,671; June 10.
Starter for airplane engines, Inertia. R. M. Heintz. 127,705; June 10.
Statuette. F. Ferrer. 127,744; June 10.
Table top. M. Greitzer. 127,680; June 10.
Tenpin holder or similar article. M. Weiss. 127,702; June 10.
Toothbrush, Fountain. H. W. Bergman. 127,731; June 10.
Toy. E. W. Baxter. 127,690; June 10.
Trimming. Fagoted. V. L. Sussberg. 127,741; June 10.
Trimming or similar article. Lace. O. Hallbauer. 127,761; June 10.
Trimming or similar article, Embroidered lace. O. Hallbauer. 127,762; June 10.
Tube, Vacuum. W. A. Eitel and J. A. McCullough. 127,757–8; June 10.
Watch bracelet or the like. C. H. Kestenman. 127,706; June 10.
Water closet bowl. A. J. Lyczak. 127,707; June 10.
Welting. S. Graff. 127,745; June 10.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF JUNE, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles, Manufacture of. E. C. Schacht. 2,245,301; June 10.
Accessory for garment pressing irons. T. Crocella. 2,245,184; June 10.
Actuating means, Apparatus. F. C. Spencer. 2,245,018; June 10.
Acetylene, Hydrating vinyl. P. Halbig and A. Treibs. 2,244,837; June 10.
Acid derivative and manufacture thereof, Sulphanilamide phosphoric. K. Warnat. 2,245,539; June 10.
Acids and making same, Petroleum nitrosulphonic. W. K. Griesinger and B. Bettman. 2,245,190; June 10.
Acids and their salts, Substituted halophenol carboxylic. G. L. Doelling. 2,244,769; June 10.
Acids through conversion to nitriles, Purification of naphthenic. A. W. Ralston and J. Harwood. 2,245,548; June 10.
Actuator for automatic sprinklers. W. B. Griffith. 2,245,144; June 10.
Adding and calculating machine. B. Carlström. 2,244,825; June 10.
Adjustable support. R. J. Maier. 2,244,790; June 10.
Agitator, Muller. A. C. Christensen and B. Castor. 2,244,765; June 10.
Air condition, Control of. S. C. Coey. 2,245,464; June 10.
Air valve, Brake control. B. Dick. 2,244,829; June 10.
Aircraft in fog, Navigation and landing of. E. F. W. Alexanderson. 2,245,246; June 10.
Alarm system, Fire. C. L. Hill. 2,245,398; June 10.
Alcohols, Recovery of higher fatty. B. H. Thurman. 2,245,538; June 10.
Alkyl substituted aromatic compounds, Catalytic oxidation of. D. J. Loder. 2,245,328; June 10.
Alloy: *See*—
Copper alloy. Copper-base alloy.
Alloys, Hardening cobalt-nickel-chromium-iron. W. Rohn, F. Bollenrath, and H. Cornelius. 2,245,366; June 10.
Aluminum base alloy and producing it, Wrought. P. T. Stroup. 2,245,167; June 10.
Aluminum base alloy and producing it, Cold worked. P. T. Stroup. 2,245,166; June 10.
Ammunition lubrication. J. F. Hutchinson and A. A. Schilling. 2,244,705; June 10.
Amplifier, Audio-frequency. J. M. Riddle, Jr. 2,245,365; June 10.
Amplifiers, Method and arrangement for testing. H. Werrmann. 2,244,751; June 10.
Amplifying system, Signal. L. E. Barton. 2,245,379; June 10.
Anchor, Rail. H. G. Warr. 2,244,755; June 10.
Anhydride, Manufacture of succinic. M. A. Kise and R. R. Wenner. 2,245,404; June 10.
Apparatus and method for conditioning materials for electrostatic separation. F. R. Johnson. 2,245,200; June 10.
Apparatus for and method of sewing plaits. A. H. Haberstump. 2,244,691; June 10.
Apparatus for continuously casting metals. F. F. Poland. 2,245,224; June 10.
Apparatus for driving fence posts and the like. G. D. Smith. 2,244,899; June 10.
Apparatus for drying yarn. J. Uytenbogaart and C. F. Gram. 2,244,745; June 10.
Apparatus for enriching air. J. G. M. Bullowa and H. D. Ratish. 2,244,659; June 10.
Apparatus for feeding and cutting sheet material. G. T. Balfe. 2,245,122; June 10.
Apparatus for forming receptacle screw caps. A. L. Merolle. 2,245,042; June 10.
Apparatus for heat application. W. A. Darrah. 2,244,768; June 10.
Apparatus for making separable fasteners. M. L. Gottlieb. 2,245,031; June 10.
Apparatus for manufacturing cork composition material. A. Weisenburg. 2,244,750; June 10.
Apparatus for roll forming strip material. J. A. Lignian. 2,245,407; June 10.
Armored electric cable. W. A. Whittaker. 2,245,422; June 10.
Arrow nock. J. Donash. 2,245,187; June 10.
Article support. E. E. Hawk. 2,244,773; June 10.
Articulator. H. Heilborn. 2,245,397; June 10.
Atomizing device. H. Holmboe and A. B. Cosper. 2,245,274; June 10.
Axle box. R. J. Brittain, Jr. 2,245,323; June 10.
Azo compounds and material colored therewith. J. B. Dickey. 2,245,259; June 10.
Azo compound and material colored therewith. J. B. Dickey and J. G. McNally. 2,245,261; June 10.
Azo compound and material colored therewith. J. B. Dickey and J. G. McNally. 2,245,262; June 10.
Azo dye, Water-insoluble. W. Zerweck and W. Kunze. 2,245,173; June 10.
Baking machine. F. Christie. 2,245,387; June 10.
Ball operated switch. H. Thompson. 2,245,020; June 10.
Ball, Play or game. M. B. Reach. 2,245,115; June 10.
Balls, Making. W. T. Brown. 2,245,324; June 10.
Banana hook. G. E. Day. 2,245,126; June 10.
Bar: *See*—
Ruled reinforcing bar.
Barbecue apparatus. D. G. Nelson. 2,245,220; June 10.
Basket for centering, filling, pinning, and dipping ice cream cones. E. L. Elwell. 2,245,071; June 10.
Baths, Production of substantially stable fused saltpeter. J. M. Michel. 2,245,155; June 10.
Battery for hearing-aid apparatus, Storage. G. Wheat. 2,245,099; June 10.
Bearing. H. H. Wood. 2,245,084; June 10.
Bed. J. G. Dawley. 2,245,331; June 10.
Bed motion for printing presses. B. F. Upham. 2,244,979; June 10.
Beetles, Control of ambrosia. L. P. Kyrides. 2,244,712; June 10.
Belt, Conveyer. J. H. Matthews. 2,244,845; June 10.
Belt, Leather link. J. L. de Rabot. 2,245,434; June 10.
Bib, Child's. S. Asch. 2,244,656; June 10.
Binder. H. T. Adams. 2,244,663; June 10.
Binder for knitting machines, Yarn. R. H. Lawson and A. Gagné. 2,245,205; June 10.
Binding strip, Woven elastic. H. J. Nordseth. 2,245,095; June 10.
Blending implement. S. Myerson. 2,245,291; June 10.
Board: *See*—
Game board. Tile board.
Bobbin case for sewing machines. S. E. Frampton. 2,244,876; June 10.
Bobsled construction. E. Svoboda. 2,244,923; June 10.
Boiler. G. H. Bork. 2,245,322; June 10.
Boiler and heat exchanger. E. A. and E. A. Drichta. 2,244,831; June 10.
Bookkeeping apparatus, Manual. J. E. Rosso. 2,245,228; June 10.
Boot and shoe. C. B. Harris. 2,244,838; June 10.
Bottle carrier. J. R. Dostal. 2,245,263; June 10.
Box: *See*—
Axle box. Street fill box.
Nesting box. Stuffing box.
Box handling tool. R. J. Fuller. 2,244,988; June 10.
Box or case, Vanity. W. H. Machin. 2,245,487; June 10.
Bracket: *See*—
License plate bracket.
Brake for spindles. A. E. Winslow. 2,245,423; June 10.
Brewing apparatus, Coffee. L. Cremer. 2,245,389; June 10.
Bromine, Absorbtion of. A. T. Williamson. 2,245,514; June 10.
Bucker, stacker, and loader. K. M. Sletten. 2,244,857; June 10.
Buffing machine. A. Hormel. 2,245,341; June 10.
Bungs to metallic drums, Welding metallic. J. R. Proctor. 2,245,298; June 10.
Burner: *See*—
Oil burner.
Cabinet: *See*—
Collapsible shelved cabinet. Portable cabinet.
Double sliding-door cabinet. Towel cabinet.
Cable: *See*—
Armored electric cable.
Cam switch. W. M. Smith. 2,245,369; June 10.
Camera. J. T. Uden. 2,245,370; June 10.
Cane, Glider. H. A. Everest and H. C. Jennings. 2,244,869; June 10.
Cane, Illuminating. F. P. Lombardi. 2,245,349; June 10.
Car: *See*—
Refrigerator car. Railway car.
Car truck bolster. K. R. Hammerstrom. 2,245,272; June 10.
Carbon folder for speed-feed manifolding devices. C. E. Wyrick and W. C. Pfeiffer. 2,244,819; June 10.
Carbonaceous materials, Conversion of combustible. M. Pier and G. Free. 2,245,157; June 10.

Carbonyl compounds, Production of. W. Ziese. 2,245,377; June 10.
Carbonyl, Manufacture of nickel. L. Schlecht, R. Staeger and H. Klippel. 2,245,503; June 10.
Carrier: *See*—
Bottle carrier.
Carton. A. W. Deuble. 2,245,185; June 10.
Carton. G. C. Nydegger. 2,244,961; June 10.
Case: *See*—
Dressing case.
Catcher, Slug. J. F. Malcolm and C. Winter. 2,244,999; June 10.
Cathode ray device. R. R. Riesz and H. S. Wertz. 2,245,364; June 10.
Cellulose derivative compositions containing butyl butoxyacetate. H. B. Smith. 2,245,233; June 10.
Cellulose derivative materials, Treating. J. B. Dickey and J. B. Normington. 2,245,260; June 10.
Cellulose derivative, wax emulsion for coating wrapping materials. F. H. Reichel and A. E. Craver. 2,245,499; June 10.
Chair: *See*—
High chair.
Chemical compositions and their preparation. W. John and P. Günther. 2,245,147; June 10.
Choke control, Automatic. A. W. Meston. 2,245,093; June 10.
Chopper and mixer, Meat and vegetable. H. Robinson. 2,245,012; June 10.
Chuck, Clamping. A. J. Amsler. 2,245,316; June 10.
Chuck operating mechanism. E. P. Bullard, III. 2,245,384; June 10.
Cigarette making device. C. E. Karst. 2,245,107; June 10.
Circuit: *See*—
Radio signal circuit.
Circuit for amplifiers, Compensating. J. L. Barker. 2,245,176; June 10.
Circuits, Electrical oscillatory. K. H. Hofmann. 2,244,775; June 10.
Circuits, Electron multiplier. G. W. Walton. 2,245,119; June 10.
Circulator and feed water heater, Water. J. E. Phelan. 2,245,496; June 10.
Clamp: *See*—
Welder's clamp.
Cleaner: *See*—
Comb cleaner. Vacuum cleaner.
Felt cleaner.
Cleaning composition, Liquid. P. A. Salz. 2,245,052; June 10.
Cleaning device for teeth. T. A. Hosey. 2,244,699; June 10.
Clip: *See*—
Fountain pen clip.
Clip. W. R. Wiley. 2,245,375; June 10.
Clock, Alarm. R. M. Thorson. 2,244,924; June 10.
Clock movement, Synchronized secondary. L. B. Stone. 2,244,811; June 10.
Clothes drier. C. D. Heras. 2,244,879; June 10.
Clothespin. O. J. Flieler. 2,245,088; June 10.
Clutch: *See*—
Hydraulic clutch.
Clutch for lathe aprons, Friction. G. L. Garvin. 2,245,471; June 10.
Clutch throwout mechanism. H. W. Simpson. 2,245,449; June 10.
Coating apparatus. W. F. Thiele and H. B. Richmond. 2,244,859; June 10.
Coating composition and making the same, Liquid. G. Alexander. 2,245,245; June 10.
Coffee making device. G. W. Watson. 2,245,238; June 10.
Coffeepot. R. T. Cameron. 2,245,182; June 10.
Coke oven of the circulation type, Regenerative. H. Koppers. 2,244,711; June 10.
Collapsible shelved cabinet. F. W. Manley. 2,244,887; June 10.
Collar. R. B. Pierson. 2,244,802; June 10.
Collector for trolley buses or like vehicles, Current. F. Szalay. 2,245,507; June 10.
Colorimeter. P. A. E. Hellige. 2,244,839; June 10.
Colter. W. J. Hewitt. 2,244,774; June 10.
Comb cleaner. H. Kahan. 2,245,279; June 10.
Comb, Pocket. C. V. Ecklund and C. J. Culver. 2,245,469; June 10.
Combination lock. A. Lewit and P. Wrba. 2,245,091; June 10.
Combination shirt and trouser holder. H. Cohn. 2,245,463; June 10.
Combustion apparatus. F. S. Bloom. 2,244,821; June 10.
Compensating device for winding machines, Automatic thread tension. M. J. McHale. 2,245,490; June 10.
Compositions for brake linings or similar articles, Manufacture of molded. J. N. Kuzmick. 2,245,203; June 10.
Compression testing machine. P. L. Pendleton. 2,245,080; June 10.
Concrete form. C. G. Weber. 2,244,931; June 10.
Conductor and contact between conductors, Composite. H. Figour. 2,244,771; June 10.
Cone mixer, Revolving. E. M. Underwood. 2,244,814–15; June 10.
Connecting mechanism, Railway track switch. H. L. Bone. 2,245,427; June 10.
Connection and stop for doors and the like, Slide. E. E. Lakemacher. 2,244,787; June 10.
Contact, Electric sign. J. E. Long. 2,244,955; June 10.
Container. R. P. Bemiss. 2,245,064; June 10.
Container. H. A. Carruth. 2,244,940; June 10.
Container. H. F. Courtright and C. S. Stiles. 2,245,430; June 10.
Container and closure therefor. V. H. Severy. 2,245,533; June 10.
Container closure. V. H. Severy. 2,245,532; June 10.
Container sealer. J. L. Ferguson. 2,244,873; June 10.
Containers, Making and filling. E. M. Murphy. 2,245,356; June 10.
Control. E. Orshansky, Jr. 2,244,850; June 10.
Control apparatus for hydraulic systems. J. H. Rice. 2,245,011; June 10.
Control apparatus for moving lengths of materials. A. Moessinger. 2,245,352; June 10.
Control circuits, Gain. W. J. Morlock. 2,245,353; June 10.
Control device. A. L. Judson and C. G. Kronmiller. 2,244,783; June 10.
Control device for fuel feed of internal combustion engines. E. Becker. 2,244,669; June 10.
Control, Fluid dynamic. K. D. McMahan. 2,245,211; June 10.
Control for gas ranges, Temperature. B. F. Waddell. 2,245,060; June 10.
Control means, Brake. B. S. Aikman. 2,245,424; June 10.
Control, Pedal. G. L. and F. R. Willis. 2,245,314; June 10.
Control signal, Traffic. C. W. Campbell. 2,244,675; June 10.
Control system, Automatic. A. S. Norcross. 2,244,722; June 10.
Control system, Automatic progressive. C. L. Howse. 2,244,880; June 10.
Control system. J. W. Cooke. 2,245,253; June 10.
Control system, Electric. P. B. Hoye. 2,245,342; June 10.
Control system for alternating current motors. S. C. Ewing. 2,245,189; June 10.
Control system, Liquid pressure. S. M. Parker. 2,244,894; June 10.
Control system, Remote control. W. R. Koch. 2,245,347; June 10.
Control system, Thermostatic draft. B. E. Shaw. 2,245,229; June 10.
Control unit, Electrical. N. C. Schellenger. 2,245,367; June 10.
Control valve for fluid brake. J. T. Dickson. 2,244,942; June 10.
Control valve, Hydraulic power. E. A. Rockwell. 2,244,966; June 10.
Controller, Electromagnetic. H. Gugel. 2,245,192; June 10.
Controlling arrangement for setting organs. F. E. Lutz. 2,245,150; June 10.
Controlling mechanism for radio sets. E. Brugger. 2,244,658; June 10.
Converter. A. Leifer. 2,245,149; June 10.
Conveyer, Continuous flow. F. Meyer. 2,245,113; June 10.
Cooking and vending machine. E. L. Benedict. 2,244,670; June 10.
Cooler for bottled beverages. E. C. Tanner. 2,245,234; June 10.
Cooling system flushing gun. H. H. Hopkins. 2,245,195; June 10.
Cooling system, Thermostatically controlled engine. O. L. Anderson. 2,244,932; June 10.
Cop holder. D. A. Cumfer. 2,245,070; June 10.
Cop winding machine. W. Reiners, G. Kahlisch, and S. Fürst. 2,244,851; June 10.
Copper alloy. G. Bühler. 2,245,459; June 10.
Copper-base alloy. E. S. Bunn and I. T. Bennett. 2,245,327; June 10.
Core, Magnetizable. A. Weis and G. Drewes. 2,245,373; June 10.
Correction method for polychromatic reproduction, Color responsive. S. G. Guerrero. 2,244,992; June 10.
Counterbalancing equipment. J. M. Shimer. 2,245,117; June 10.
Coupler, Car. W. J. Metzger. 2,245,043; June 10.
Coupling for flexible pipes. H. J. Hersey, Jr. 2,245,037; June 10.
Coupling for suction cleaners and the like, Tubular. E. F. Martinet. 2,245,151; June 10.
Crankcase breather. W. G. Lundquist. 2,245,207; June 10.
Culinary implement. C. H. Schetzer. 2,244,730; June 10.
Curler, Hair. J. Jacobs. 2,244,707–S; June 10.
Curler, Hair. H. Rubira. 2,244,807; June 10.
Current interrupter. J. A. Hanley. 2,244,877; June 10.
Curtain and similar draperies. R. Loeb. 2,245,285; June 10.
Curtain, Automobile beach. D. Oatman. 2,245,411; June 10.
Curtain, Dust. C. V. P. Sherwood. 2,245,504; June 10.

Curtain hanger. J. E. Turley. 2,245,510; June 10.
Cutter: *See*—
Grass cutter.
Cutting implement. R. L. Penney. 2,245,096; June 10.
Cutting machine. H. W. Bruker. 2,244,673; June 10.
Cutting tool. G. E. Sheldrick. 2,245,446; June 10.
Cylindrical spring. E. H. Piron. 2,245,295; June 10.
Damper, Dynamic vibration. G. L. Williams. 2,245,239; June 10.
Damper or valve operating mechanism. E. O. Young. 2,245,243; June 10.
Dandelion and weed eradicator. N. Muller. 2,244,917; June 10.
Decoy. E. W. Elfstrand. 2,245,267; June 10.
Decorticating method and apparatus. S. L. St. John. 2,244,971; June 10.
Demand indicator. R. A. K. Fleischmann. 2,245,393; June 10.
Demonstrator, Visual. W. Marcaccio. 2,245,110; June 10.
Dental casting machine. H. R. Berger. 2,245,065; June 10.
Dental device and utilizing the same. F. J. Moylan. 2,245,288; June 10.
Device for maintaining a constant tension of yarns in warping. H. Schlick. 2,245,368; June 10.
Detector. J. E. Ledbetter. 2,244,713; June 10.
Detergent composition and making same. W. O. Mitscherling. 2,244,945; June 10.
Device for graphically solving complex quantities. E. C. Goodale. 2,244,945; June 10.
Device for measuring drill pipe. T. T. Nudson and W. A. Abegg. 2,245,221; June 10.
Diaphragm, Elastic fluid turbine. G. O. Truex. 2,245,237; June 10.
Dicer, Electric and hand power. A. L. Jackson. 2,245,199; June 10.
Die carrier for continually operating presses for producing flour paste articles. E. Thalmann. 2,245,308; June 10.
Die casting apparatus. C. F. Von Lynn. 2,244,816; June 10.
Die mounting. B. N. Bletso. 2,245,320; June 10.
Direction signal. E. R. Codde. 2,244,983; June 10.
Discharge apparatus, Electron. A. L. Samuel. 2,245,159; June 10.
Discharge tube, Oscillatory. G. F. Brett. 2,244,672; June 10.
Dispensing device. M. W. Bouchard. 2,245,066; June 10.
Dispensing device. W. B. Eddy. 2,245,265; June 10.
Dispensing device. F. Kapelman. 2,244,952; June 10.
Dispensing device. J. A. Marcuse. 2,245,488; June 10.
Display stand. R. Orthwine. 2,244,962; June 10.
Distributor, Fertilizer. E. L. Masters. 2,245,152; June 10.
Distributor, Ignition. J. Joyce. 2,245,402; June 10.
Diverting valve. P. B. Drane. 2,244,986; June 10.
Door: *See*—
Hopper car door.
Door for elevator hatchway openings, Automatic. N. R. Guilbert, Jr. 2,245,072; June 10.
Door lock. H. E. Fendring. 2,244,682; June 10.
Door mechanism, Coke-oven. R. Berg and G. E. Salkvist. 2,244,671; June 10.
Doorway retaining device. R. H. Hutchinson. 2,244,949; June 10.
Doors, Operating multiple sliding. G. D. Hulburt. 2,244,840; June 10.
Doorframe construction. S. K. Mittleman. 2,245,351; June 10.
Double exposure prevention device. J. Mihalyi. 2,245,213; June 10.
Double sliding door cabinet. H. Derman. 2,244,679; June 10.
Doughnut making machine. D. A. Sandin. 2,244,854; June 10.
Draft control and fly ash separator. C. Bird. 2,244,936; June 10.
Draft regulator, Automatic. J. F. Gildea. 2,244,990; June 10.
Drawer, Coin. M. Runko. 2,245,415; June 10.
Dressing case. M. Davis. 2,244,984; June 10.
Drier: *See*—
Clothes drier.
Drier and head support therefor. M. L. Klingensmith. 2,244,953; June 10.
Drill: *See*—
Expanding drill.
Drive for loom dobbies. C. R. Kronoff. 2,244,786; June 10.
Drive mechanism. J. E. Padgett. 2,245,078; June 10.
Drive system, Vehicle. J. W. McNairy and L. W. Webb. 2,245,092; June 10.
Driving means for providing cyclic variations for speed. G. S. Kammer. 2,245,280; June 10.
Driving mechanism between rotary elements. H. L. L. J. de Place. 2,245,467; June 10.
Duplicating apparatus. H. Jagger. 2,244,780; June 10.
Dyestuffs, Polyazo. P. Zervas. 2,245,517; June 10.
Dyestuffs of the anthraquinone series. F. Baumann and H.-W. Schwechten. 2,245,520–21; June 10.
Dyestuffs, Producing methinecyanine. F. Bauer and G Wilmanns. 2,245,177; June 10.
Dynamoelectric machine. W. R. Goss and D. R. Shoults. 2,245,268; June 10.
Electric connecting plug. C. H. Kohne. 2,245,148; June 10.
Electric lamp receptacle. J. J. Hollander. 2,245,194; June 10.
Electric motor. W. R. Appleman. 2,244,757; June 10. June 10.
Electric plug. P. W. Pelissier. 2,245,294; June 10.
Electrode systems, Building up stratified. N. W. H. Addink, R. D. Bügel, and W. C. van Geel. 2,244,664; June 10.
Electrolyte in the refining of aluminum, Replenishing and correcting the. K. Siedentopf. 2,245,505; June 10.
Electron discharge device. G. B. Banks. 2,245,174; June 10.
Elevating device for binders. H. M. Johnston. 2,245,344; June 10.
Elevator, Conveyer. H. W. Hapman. 2,245,073; June 10.
Elevator device, Rod. G. A. Bass. 2,245,380; June 10.
Embossed effects on parchmentized fabrics, Production of. H. Mfiller. 2,245,289; June 10.
Emulsion, Paraffin. J. H. Fritz and R. M. Beach. 2,244,685; June 10.
Enclosure, Portable. J. Blank. 2,245,318; June 10.
End construction for rail cars. A. G. Dean. 2,245,390; June 10.
End construction, Rear. H. J. Framhein. 2,244,875; June 10.
End fitting for wire. B. Hayden. 2,244,696; June 10.
Engine: *See*—
Internal combustion engine. Rotary engine.
Envelope machine. A. Novick. 2,244,723; June 10.
Esters of cellulose containing dicarboxylic acid groups, Preparing mixed. C. J. Malm and C. L. Crane. 2,245,208; June 10.
Esters of vat dyestuffs, Preparation of leuco. O. Stallmann and M. A. Prahl. 2,245,535; June 10.
Esters, Preparing halo acrylic. M. A. Pollack. 2,245,547; June 10.
Esters, Preparing vinyl. W. O. Herrmann and W. Haehnel. 2,245,131; June 10.
Esters, Ripening cellulose. G. Schneider. 2,244,855; June 10.
Etching material. A. Murray. 2,245,219; June 10.
Ether, Production of 4,4'-dichlorodibutyl. H.-G. Trieschmann. 2,245,509; June 10.
Evaporating apparatus. D. D. Peebles. 2,244,919; June 10.
Exercising device. V. Dengel and B. Genet. 2,245,027; June 10.
Expanding drill. A. S. Cady. 2,244,674; June 10.
Extracting tool. H. Caminez. 2,244,824; June 10.
Eyeglass construction. O. Ruud. 2,244,922; June 10.
Fabric printing. M. Belloc. 2,245,123; June 10.
Fastener: *See*—
Flashing fastener. Spring button fastener.
Slide fastener.
Fastener element and its manufacture, Snap. F. F. Langley. 2,244,885; June 10.
Fastener nut, Snap. J. P. Burke. 2,244,823; June 10.
Fastening device. G. A. Hansman and G. A. Tinnerman. 2,244,977; June 10.
Fastening device. G. A. Tinnerman. 2,244,975–6; June 10.
Fastening device. L. F. Woodruff. 2,244,818; June 10.
Fastening device, Adjustable. G. H. Corner. 2,245,255; June 10.
Faucet. G. R. McCurdy. 2,245,041; June 10.
Feed mechanism. R. L. Wilcox. 2,244,817; June 10.
Feeding and registering mechanism, Sheet. C. W. Harrold and H. A. Pritchard. 2,245,396; June 10.
Feeding device for winding machines, Thread guide. E. Zindel. 2,245,315; June 10.
Feeding mechanism, Contact, W. M. Spry. 2,245,165; June 10.
Felt cleaner. L. L. Lapeyrouse. 2,245,109; June 10.
Fibers, Undulating artificial. H. I. Waterman and W. L. J. de Nie. 2,245,310; June 10.
Fibrous material, Compressed. E. F. von Ende and H. Geffcken. 2,245,169; June 10.
Film base, Manufacture of photographic. E. K. Carver and C. L. A. Wynd. 2,245,429; June 10.
Film core, Photographic. A. E. Lechleitner. 2,245,206; June 10.
Film gate for multipack films, Multiple image. O. C. Gilmore. 2,244,991; June 10.
Finder, Sacral foramina. G. R. Marshall. 2,245,350; June 10.
Fire hydrant, Double gated safety. E. J. Hollifield, Jr. 2,244,993; June 10.
Fish, Eviscerating and cleaning. P. Danielsson. 2,245,329; June 10.
Fishing reel. H. F. Maynes. 2,244,889; June 10.
Fitting for thermometers, Sanitary. R. E. Olson. 2,244,798; June 10.
Fixture for typewriter desks, Metal. M. Fox. 2,245,526; June 10.

Flange for antifriction bearings, Thrust. W. E. Horrocks. 2,245,196; June 10.
Flashing fastener. J. R. V. Soucy. 2,244,970; June 10.
Flashlight and fan, Combined. L. Sibal. 2,245,015; June 10.
Floor, Refrigerator car. J. S. Lundvall. 2,245,529; June 10.
Flooring for aircraft. J. A. Potchen. 2,245,497; June 10.
Flooring for housed switches. F. H. Lehecka. 2,245,283; June 10.
Flow controlling device, Well fluid. J. D. Nixon. 2,245,008; June 10.
Flow valve. J. D. Nixon. 2,245,009; June 10.
Flue arrangement, Refrigerator car. V. E. West. 2,245,023; June 10.
Fluid controlling device, Well. J. D. Nixon. 2,245,004; June 10.
Fluid treatment apparatus. W. H. Hinsch. 2,244,698; June 10.
Fluids, Controlling the flow of. J. D. Nixon. 2,245,002; June 10.
Fluids from wells, Lifting. J. D. Nixon. 2,245,003; June 10.
Fluids under pressure, Controlling the flow of. J. D. Nixon. 2,245,005; June 10.
Fluorescent material. W. A. Roberts. 2,245,414; June 10.
Flush valve. H. Hill. 2,245,400; June 10.
Focusing mechanism for cameras. J. Mihalyi and R. F. Blattner. 2,245,212; June 10.
Focusing mechanism for photographic cameras. H. D. Philips and J. Mihalyi. 2,245,158; June 10.
Folding machine. F. Laver. 2,245,348; June 10.
Footwear. R. T. Dawes. 2,245,466; June 10.
Footwear insert. S. Margel. 2,244,844; June 10.
Forging blanks, Manufacture of. N. C. Rendleman and B. A. Le Monte. 2,244,852; June 10.
Fork, Filling. I. L. Raines. 2,245,050; June 10.
Form, Welt stretching. R. H. Scheer. 2,245,502; June 10.
Forming apparatus, Charge. E. M. Florcyk. 2,244,681; June 10.
Fountain pen clip. E. B. Sullivan. 2,245,059; June 10.
4-hydroxy-1-aminonaphthalene-8-carboxylic acid and 4-hydroxynaphthostyril. W. Zerweck and W. Kunze. 2,245,172; June 10.
Frame: *See*—
Picture frame.
Frequency translating device, Electrical. L. H. Paddle. 2,244,799; June 10.
Furnace: *See*—
Hot air furnace.
Furrier's tool. L. Scheckwitz. 2,245,416; June 10.
Fuse construction. S. I. Lindell and A. Van Ryan. 2,244,788; June 10.
Fuse, Electric. F. S. Klein. 2,245,345–6; June 10.
Gain control device, Unsymmetric. J. L. Hathaway. 2,244,695; June 10.
Galvanizing apparatus. R. E. Aungst. 2,245,425; June 10.
Game. D. Roth. 2,244,921; June 10.
Game board. H. E. Braymiller and N. F. Braymiller. 2,244,762; June 10.
Game of skill. R. Peter and H. Blal. 2,245,156; June 10.
Gas injector for liquid systems, Automatic. G. H. McMullen and J. M. Haddaway. 2,245,546; June 10.
Gauge and liner, Hem. H. A. Wilhite. 2,245,313; June 10.
Gear control system, Elastic fluid turbine turning. H. Bany. 2,245,175; June 10.
Gear drive, Planetary. W. B. Barnes. 2,244,668; June 10.
Gear for turbine locomotives, Reduction. A. Lysholm. 2,244,716; June 10.
Generator: *See*—
Synchronized generator.
Generator structure, Wind driven. W. G. Dunn. 2,245,264; June 10.
Glass and manufacture of the same, Tempered. B. Long. 2,244,715; June 10.
Glass product and making the same. E. Spielholz. 2,245,137; June 10.
Glaze, Lead. R. W. Goodwin. 2,245,541; June 10.
Glue applying tool. L. Sejarto. 2,244,856; June 10.
Governor, Elevator. C. Panter. 2,244,893; June 10.
Governor valve. J. C. Weaver. 2,245,512; June 10.
Grader. L. B. Sammis and F. R. Hood. 2,244,729; June 10.
Grass cutter. W. E. Dewey. 2,245,186; June 10.
Grate and pallet construction. E. W. Shallock. 2,245,136; June 10.
Grinding tool. J. L. Dondineau and R. S. White. 2,245,435; June 10.
Grip-and-release device. J. A. R. Goode. 2,245,270; June 10.
Grooving machine, Road. H. Tyson. 2,244,742; June 10.
Guard, Fireplace. J. G. Mathis. 2,245,074; June 10.
Guard structure, Fender. R. A. Sandberg. 2,244,898; June 10.
Gun sight. M. M. Johnson, Jr. 2,244,781; June 10.
Gyroscopic instrument. K. Jann and H. Roland. 2,245,478; June 10.
Hair, Treating human. R. Maurielli. 2,245,111; June 10.
Hairdressing tool. H. C. Schlicker. 2,245,054–6; June 10.
Hairpin. W. Williams. 2,245,515; June 10.
Handbag, Lady's. R. Lobel. 2,244,789; June 10.
Handbag, Lady's. B. Stember. 2,244,858; June 10.
Handling machine, Dough. W. Lockwood. 2,245,284; June 10.
Hanger: *See*—
Curtain hanger.
Map hanger.
Railway spring hanger.
Harrow, Disk. C. H. White. 2,245,374; June 10.
Harvester combine. J. E. Pierce. 2,245,081; June 10.
Head for electric razors, Cutter. C. L. Volz. 2,245,420; June 10.
Heat exchange apparatus, Fluid. D. H. N. Mayo. 2,245,209; June 10.
Heat exchange apparatus, Manufacturing. C. Field. 2,245,102; June 10.
Heat transfer tube. M. Pascale. 2,244,800; June 10.
Heat transfer unit. W. R. Clarke. 2,245,069; June 10.
Heater: *See*—
Liquid heater.
Water heater.
Heater. K. F. Hartmann. 2,244,910; June 10.
Heating and circulating means, Water. J. E. Browning. 2,245,325; June 10.
Heating element. C. F. Gram. 2,244,689; June 10.
Heating system, Ceiling. G. Fuchs. 2,245,470; June 10.
High chair. P. J. La Plante. 2,245,204; June 10.
High-frequency arrangement. W. Jüttner. 2,244,784; June 10.
High frequency stage, Push-pull. M. Schrumpf. 2,244,807; June 10.
Hoist, Electric. C. H. Schramm. 2,245,057; June 10.
Holder: *See*—
Cap holder.
Key holder.
Match holder.
Package holder.
Paper bag holder.
Umbrella holder.
Holder. E. L. Robinson. 2,244,804; June 10.
Holder and comb, Combination. D. P. Califano. 2,245,328; June 10.
Honing apparatus. W. D. Schmidt. 2,244,806; June 10.
Hook: *See*—
Banana hook.
Hopper car door. W. E. Wine. 2,245,376; June 10.
Horse, Supporting. B. Poll. 2,244,963; June 10.
Hose nipple connection and joint. H. O. Cole. 2,245,101; June 10.
Hot air furnace. C. Lengyel. 2,245,090; June 10.
Humidifier. R. E. Miller. 2,244,792; June 10.
Hydraulic clutch, Variable speed. E. L. Wall. 2,244,929; June 10.
Hydraulic pump and valve. P. F. Rossmann. 2,245,227; June 10.
Hydrocarbon reaction. M. M. Holm and E. H. Oakley. 2,245,038; June 10.
Hydrocarbons from carbon monoxide and hydrogen, Manufacture of. H. Kölbel. 2,244,710; June 10.
Hydrocarbons from moisture-containing well fluids, Recovery of. R. F. Farris. 2,245,028; June 10.
Hydrocarbons, Treatment of olefin. C. G. Gerhold. 2,245,143; June 10.
Hydrogen, Process for the separation of ammonia and sulphureted. J. Guillissen. 2,245,130; June 10.
Hydroxyisobutyrate, Preparation of calcium alpha. P. M. Kirk. 2,245,483; June 10.
Image formation. A. N. Goldsmith, H. R. Menefee, W. Mayer, and F. Kastilan. 2,244,687; June 10.
Image formation and apparatus for forming images. A. N. Goldsmith, H. R. Menefee, W. Mayer, and F. Kastilan. 2,244,688; June 10.
Impurities from fuel gas, Removal of acidic. A. Schmalenbach. 2,244,731; June 10.
Indicating means, Electric. E. Nöthe. 2,245,493; June 10.
Indicator: *See*—
Demand indicator.
Lubrication indicator.
Indicator and control, particularly for paper machines. G. S. Witham, Jr. 2,244,864; June 10.
Induction apparatus, Assembling electromagnetic. A. Boyajian. 2,245,180; June 10.
Infrared sensitivity, Increasing. A. P. H. Trivelli and B. H. Carroll. 2,245,180; June 10.
Inner tube. W. H. Degnon. 2,244,941; June 10.
Inserts in pile materials, Applying. S. H. Krasno. 2,245,202; June 10.
Inspecting and trimming table. G. W. Martin. 2,245,000; June 10.
Instrument, X-ray angulator. J. M. Goldberg. 2,245,395; June 10.
Interlocking for containers. P. Zalkind. 2,245,026; June 10.
Internal combustion engine. S. D. Irving. 2,244,706; June 10.
Internal combustion engine. M. Ware. 2,244,749; June 10.
Internal combustion engine associated with exhaust gas turboblower means, Horizontal. A. Büchi. 2,245,326; June 10.
Isocolloid materials, Manufacture of modified organic. L. Auer. 2,244,666; June 10.

Jack: *See*—
Ladder extension jack.
Pump jack.
Jewelry. J. A. S. Furlonge. 2,244,944; June 10.
Joint: *See*—
Pipe joint.
Ketones, Manufacture of hydroxyaryl-aminomethyl. H. Legerlotz. 2,245,282; June 10.
Key holder. G. L. Biggs. 2,245,381; June 10.
Kiln. J. W. Payne. 2,244,724; June 10.
Knitting accessory, Manual. M. S. and R. P. Walk. 2,244,903; June 10.
Knitting machine. I. H. C. Green and E. St. Pierre. 2,244,870; June 10.
Ladder extension jack. R. R. Smith. 2,245,306; June 10.
Ladder, Portable aerial. A. J. and J. T. Kiley. 2,245,481; June 10.
Lantern, Electric. J. S. Pixley. 2,244,895; June 10.
Latch structure, Hinge. C. J. Hughey. 2,245,197; June 10.
Latex, Method and means for processing. T. Hoenemann and H. A. Stuart. 2,244,948; June 10.
Lathe beds, Flame hardening. A. L. Hartley. 2,245,273; June 10.
Lehr, Glass annealing. P. L. Geer. 2,244,772; June 10.
Lens and mounting, Ophthalmic. R. H. Uhlemann. 2,244,926; June 10.
Lens mount. C. W. Crumrine. 2,245,257; June 10.
Lens mount and assembling the same. D. L. Wood. 2,245,241; June 10.
License plate bracket. H. Buchanan. 2,244,867; June 10.
Lift, Vehicle. T. H. Schlarmann. 2,245,417; June 10.
Light fixture. L. L. Stewart. 2,244,736; June 10.
Light switch and fitting bolt, Combined stop. W. R. Freeman. 2,244,834; June 10.
Lighting fixture. L. L. Stewart. 2,244,737; June 10.
Lighting fixture. H. G. Alm. 2,244,738; June 10.
Link, Fuse. R. H. Earle. 2,245,188; June 10.
Liquid heater. C. C. Abbott. 2,245,085; June 10.
Liquid material, Distributing and circulating. F. G. Garrison and A. W. Christenson. 2,244,686; June 10.
Lock: *See*—
Combination lock.
Door lock.
Lock mechanism. R. F. Joyce. 2,244,951; June 10.
Locker system, Rotary refrigerated. W. J. Ruttan. 2,245,300; June 10.
Locking device. A. G. F. Wallgren. 2,244,930; June 10.
Locking means. R. W. Dicely. 2,245,525; June 10.
Locomotive front end. L. R. Pyle. 2,244,726; June 10.
Loom dobby. E. R. Holmes. 2,244,776; June 10.
Loom for weaving. O. and D. W. Shimwell. 2,245,013; June 10.
Lubrication indicator. E. E. Jellison. 2,245,278; June 10.
Lubricator: *See*—
Rail lubricator.
Lure, Fish. G. A. Abramson. 2,244,980; June 10.
Lure, Fish. T. Wisniewski. 2,245,061; June 10.
Machine for lapping toothed elements. J. M. Christman. 2,245,462; June 10.
Machine for making fasteners. F. D. Banning. 2,244,667; June 10.
Machine for shaping cartons. C. W. Hartmann. 2,245,193; June 10.
Machine tool. J. B. Armitage and J. J. Lenert. 2,244,985; June 10.
Magnet and making same, Permanent. G. B. Jonas. 2,245,477; June 10.
Magnetic switch. W. A. Chambers. 2,245,125; June 10.
Magnetron. L. Wolff. 2,244,753; June 10.
Manifolding. W. G. Borchers and C. W. Brenn. 2,245,524; June 10.
Map hanger. J. H. Beck. 2,244,865; June 10.
Map, Perforated. R. S. Harris and V. W. Lapp. 2,245,339; June 10.
Marking system, Highway. V. A. Hamilton. 2,245,336; June 10.
Match holder. D. A. Downing. 2,245,127; June 10.
Material distributing machine. F. J. Faulkner. 2,244,987; June 10.
Materials, Treating finely divided solid. J. W. Payne. 2,245,531; June 10.
Mayonnaise mill. W. A. McLean. 2,245,112; June 10.
Measuring apparatus. N. E. Bonn. 2,245,124; June 10.
Measuring apparatus. T. R. Harrison. 2,245,033–4; June 10.
Measuring apparatus. H. M. Schmitt. 2,244,732; June 10.
Measuring instrument. L. F. Poock and W. F. Aller. 2,244,964; June 10.
Mercaptans, Recovering. R. A. Bannerot. 2,245,317; June 10.
Mercerizing agent. R. L. Sibley. 2,245,162; June 10.
Metal and treatment, Combined. J. J. Kanter. 2,244,881; June 10.
Metal, Coating. R. F. Renkin. 2,245,225–6; June 10.
Metal feeding apparatus. A. H. Jung and E. J. Hubelmeyer. 2,245,275; June 10.
Metal, Making structural elements of sheet. O. Oeckl and E. Kolland. 2,244,847; June 10.
Metal treatment and product. R. R. Tanner. 2,244,740; June 10.
Metals from solutions, Precipitation of. K. S. Mowlds. 2,245,217; June 10.
Meter: *See*—
Photoelectric exposure meter.
Wave meter.
Metering machine, Liquid. E. S. Minard. 2,245,287; June 10.
Method and apparatus for manufacturing ice making apparatus. C. Field. 2,245,103; June 10.
Method and apparatus for testing. C. G. Suits. 2,245,168; June 10.
Method and means for transmitting and indicating information. J. C. Allen and N. V. Fedotoff; 2,244,665; June 10.
Method and system for television communication. H. G. Miller. 2,245,409; June 10.
Method of and device for dressing fish. P. Danielsson. 2,245,330; June 10.
Mill: *See*—
Mayonnaise mill.
Mixer: *See*—
Cone mixer.
Mixing device. T. G. Gilley. 2,245,029; June 10.
Modulation system. A. Alford. 2,244,756; June 10.
Moistener, Hand. C. H. Welcker. 2,245,513; June 10.
Molding machine, Injection. E. R. Knowles. 2,244,842; June 10.
Monorail system, Safety. H. F. Martin. 2,245,135; June 10.
Motion picture apparatus, Sound. O. Wittel. 2,245,240; June 10.
Motor: *See*—
Electric motor.
Motor and making the same, Electric. J. Delmonte. 2,245,433; June 10.
Mounting: *See*—
Die mounting.
Mounting for portable X-ray equipment, Adjustable. C. B. Horsley. 2,244,778; June 10.
Mounting or the like, Self-support. G. A. Tinnerman. 2,244,978; June 10.
Mower, Power. L. B. Roth. 2,244,967; June 10.
Mower structure. H. W. Simpson. 2,245,448; June 10.
Mower structure. H. W. Simpson. 2,245,451; June 10.
Mowing machine. H. W. Simpson and A. Abgarian. 2,245,452; June 10.
Muffler, Vacuum. C. L. Hill. 2,245,399; June 10.
Musical instrument. E. W. Davis. 2,245,432; June 10.
Musical instrument. L. Hammond. 2,245,338; June 10.
Musical instrument, Electrical. L. Hammond. 2,245,337; June 10.
Musical instrument, Electrical. M. Z. Mroz. 2,245,354; June 10.
Necktie. H. C. Hall. 2,244,692; June 10.
Needle for Axminster loom. C. E. Brown. 2,245,067; June 10.
Nesting box. E. T. Johnson. 2,244,841; June 10.
Network, Electrical. B. C. Lansdale. 2,244,717; June 10.
Nozzle for coating apparatus. W. L. MacKenzie. 2,244,791; June 10.
Nozzle for solid fuel injection engines, Fuel. M. G. Fiedler. 2,244,874; June 10.
Nozzle tube. W. A. Hargiss. 2,244,947; June 10.
Nut, Lock. G. T. Sheley. 2,245,231; June 10.
Oil and gas wells, Means for and method of flowing. E. V. Foran. 2,244,684; June 10.
Oil burner. C. L. Cooper. 2,244,766; June 10.
Oil, Lubricating. B. H. Lincoln and A. Henriksen. 2,244,886; June 10.
Oil tank. F. B. Hunter, F. J. Wiegand, and K. M. Lane. 2,245,198; June 10.
Oils with absorbents, Treatment of solvent refined. T. P. Simpson, J. W. Payne, and P. D. Valns. 2,245,016; June 10.
Olefin oxides by catalytic oxidation of olefins, Production of. B. Christ, H. Pardon, and F. Hanusch. 2,245,183; June 10.
Opener, Automatic window. C. M. Peterson. 2,241,801; June 10.
Opener, Can. G. J. Moeller. 2,244,846; June 10.
Operating device for propellers, turbine wheels and pump wheels having rotatable blades, J. E. Englesson. 2,244,770; June 10.
Operating means for the mechanism of chronographs. W. Schmitz. 2,245,302; June 10.
Orthopedic table. W. L. Bell. 2,244,758; June 10.
Outlet, Electrical. K. A. Brainard. 2,244,937; June 10.
Oxides of nitrogen, Manufacture of. L. Andrussow and K. Braun. 2,245,550; June 10.
Oxygen supplying composition. C. A. Pemble. 2,245,495; June 10.
Package holder. J. E. Cushman and H. E. Kuehn. 2,244,662; June 10.
Packing machine. G. Long. 2,244,718; June 10.
Pad: *See*—
Sanitary laminated pad.
Panel, Brick simulating sliding. L. S. Odell. 2,245,047; June 10.
Paper bag holder. J. C. Allen. 2,245,518; June 10.
Paper, Coated. W. J. Montgomery and D. B. Bradner. 2,245,045; June 10.
Paper, Stretchable. J. C. Sherman. 2,245,014; June 10.
Paper, Waxed. F. W. Padgett. 2,245,494; June 10.
Papermaking machine. F. S. Van Voorhis. 2,244,746; June 10.
Paving machine. R. D. Baker. 2,245,426; June 10.

Pen, Fountain. M. A. Rhatigan. 2,245,116; June 10.
Perforating machine. A. W. Howard. 2,244,779; June 10.
Petroleum residue and the apparatus for carrying out the method, Quenching fluid coked. F. B. Allen. 2,245,549; June 10.
Phase changing device. J. P. Mingle. 2,245,075; June 10.
Phonograph. R. M. Somers. 2,245,164; June 10.
Phosphatides, Recovery of. B. H. Thurman. 2,245,537; June 10.
Photocathode. E. A. Massa and E. W. Pike. 2,244,720; June 10.
Photoelectric exposure meter. A. Bernhard and G. Beyrich. 2,245,522; June 10.
Photographic coating, Water-soluble. T. F. Murray, Jr. and W. O. Kenyon. 2,245,218; June 10.
Photographic device. J. J. Grabfield. 2,245,527; June 10.
Phthalocyanine compounds, Making metallic. F. S. Turek. 2,245,098; June 10.
Picker for looms. G. Brahs. 2,245,140; June 10.
Picture frame. C. S. Price. 2,245,363; June 10.
Pictures, Producing multicolored relief. J. Crawford. 2,244,905; June 10.
Piercing machine. R. F. Sickles. 2,245,304; June 10.
Piezoelectric crystal. R. Bechmann. 2,245,178; June 10.
Piezoelectric device. C. K. Gravley and J. J. Neff. 2,244,690; June 10.
Pigments, Manufacturing coated. P. W. Greubel. 2,245,104; June 10.
Pipe. R. L. Stern. 2,245,019; June 10.
Pipe and the like, Smoking. H. D. R. Mühlichen. 2,245,410; June 10.
Pipe cleaner or drier, Drill. C. J. Gardner. 2,245,128; June 10.
Pipe cleaning tool. A. Silverman. 2,244,735; June 10.
Pipe joint. A. T. McWane. 2,245,153; June 10.
Pipe joint, Separation resisting. A. T. McWane. 2,245,154; June 10.
Pipes, Manufacture of meerschaum. F. L. Martin. 2,245,489; June 10.
Piston ring. P. Carlton. 2,245,386; June 10.
Pistons, Manufacture of. A. Lenz, E. A. Hall, and E. R. Wilson. 2,244,954; June 10.
Plant production, System of. F. D. Cornell. 2,244,677; June 10.
Plaster material. H. P. Brown. 2,245,458; June 10.
Plug: *See*—
Electric plug. Electric connecting plug.
Polyamides, Preparing linear. C. H. Greenewalt. 2,245,129; June 10.
Polycarboxylic acids, Manufacture of. J. F. Olin. 2,244,849; June 10.
Polymerization products, Methacrylate. L. P. Hubbuch. 2,244,702; June 10.
Portable cabinet. A. B. Cole. 2,245,465; June 10.
Potato digger chain and cover therefor. M. B. Crawford. 2,244,827; June 10.
Power plant for aircraft. C. W. Smith. 2,245,163; June 10.
Power plant for airplanes. E. Bugatti. 2,244,763; June 10.
Power system. D. W. Miller. 2,245,001; June 10.
Power transmission. T. B. Doe and E. L. Rose. 2,244,830; June 10.
Power transmission mechanism. W. B. Bell. 2,244,657; June 10.
Power-transmission, Variable-speed. H. Sinclair. 2,245,017; June 10.
Precipitator, Electrical. H. A. Wintermute. 2,245,516; June 10.
Pregnene, Derivative of. T. Reichstein. 2,245,299; June 10.
Press: *See*—
Printing press. Tumbler press.
Toggle operated press. Wheel press.
Presser plate for dispensing machine feed tables. L. W. Goldstein. 2,245,472; June 10.
Pressure actuated electrical tire signal. W. O. Bundy, Jr., and C. S. Lewis. 2,245,460; June 10.
Pressure device for coating machine rolls. M. R. Shane. 2,245,303; June 10.
Pretimer for shutters. G. E. Aulenbacher and L. R. Martin. 2,245,248; June 10.
Printer, High speed film. F. W. Roberts. 2,244,965; June 10.
Printing forms electrolytically, Producing stereotype. W. Hugentobler. 2,245,276; June 10.
Printing press. I. A. Hunting. 2,245,343; June 10.
Propeller, Articulated. R. Chilton. 2,245,251; June 10.
Propeller, Variable pitch. O. J. Humphrey. 2,244,994; June 10.
Propulsion device. W. H. Hooker. 2,245,401; June 10.
Protective arrangement, Electric. H. Leyburn. 2,244,998; June 10.
Protein materials, Preparing. A. G. Engstrom and A. A. Levinson. 2,244,680; June 10.
Protective device, Waterproof. G. K. Guinzburg. 2,244,871; June 10.
Protractor. J. C. Bonney. 2,245,321; June 10.
Pulley, Cast aluminum. P. L. Bowser, Jr. 2,245,456; June 10.
Pump: *See*—
Reciprocating pump. Turbine pump.
Sludge pump.
Pump. M. H. Kanary. 2,244,882; June 10.
Pump. H. Neibert. 2,245,094; June 10.
Pump. E. E. Tilt and M. H. Baudendistel. 2,244,860; June 10.
Pump jack. F. A. Lage. 2,244,884; June 10.
Pump operating apparatus, Well. G. W. Taylor, Sr. 2,244,812; June 10.
Pumping mechanism. B. Brassell. 2,245,457; June 10.
Pumping system. W. H. Crow. 2,245,256; June 10.
Punch. J. A. Carpenter. 2,244,660; June 10.
Radio signal circuit, Tuned. R. L. Harvey. 2,245,340; June 10.
Rail lubricator. A. F. Huber and J. V. Houston. 2,244,701; June 10.
Railway car. A. Christianson. 2,244,661; June 10.
Railway spring hanger. O. K. Kjolseth. 2,245,201; June 10.
Rayon, Treatment of. J. F. Corbett and K. H. Barnard. 2,244,767; June 10.
Razor. H. B. Griner. 2,244,909; June 10.
Reaction chamber. H. J. Hall and N. Menshih. 2,245,145; June 10.
Receiver, Radio direction finding. L. E. Q. Walker. 2,244,748; June 10.
Receiving system, Radio. C. A. Brokaw and J. A. Renhard. 2,245,383; June 10.
Receptacle: *See*—
Electric lamp receptacle.
Receptacle handling appliance. T. Landsman and D. W. Feinberg. 2,245,543; June 10.
Receiving system, Double heterodyne signal. W. L. Carlson. 2,245,385; June 10.
Record, Checkbook and account. A. A. Finnila. 2,244,908; June 10.
Record form, Duplicating. E. H. Moore. 2,245,046; June 10.
Reciprocating pump. W. C. Richardson. 2,245,501; June 10.
Reel: *See*—
Fishing reel.
Refractory. N. P. Pitt, A. C. Halferdahl, and F. E. Lathe. 2,245,297; June 10.
Refractory product and making the same. H. P. Hood. 2,244,777; June 10.
Refrigerating apparatus. M. W. Baker. 2,245,454; June 10.
Refrigerating apparatus. F. R. Bichowsky. 2,245,455; June 10.
Refrigerating apparatus. H. B. Hull. 2,245,439; June 10.
Refrigerating apparatus. J. W. Jacobs. 2,245,440; June 10.
Refrigerating apparatus. G. C. Pearce. 2,245,049; June 10.
Refrigerating apparatus. C. M. Sanders, Jr. 2,245,053; June 10.
Refrigerating apparatus. F. F. Starr. 2,244,900; June 10.
Refrigeration control system. W. L. McGrath. 2,244,890; June 10.
Refrigeration control system. A. B. Newton. 2,244,892; June 10.
Refrigeration system. H. A. B. Brown. 2,244,904; June 10.
Refrigerator car. K. E. Zeidler. 2,244,820; June 10.
Refrigerator car construction. V. E. West. 2,245,024; June 10.
Refrigerator car construction. R. B. Winship. 2,244,862–3; June 10.
Regulating device, Pressure. K. R. Lewis. 2,245,485; June 10.
Regulating valve. T. A. Wetzel. 2,245,171; June 10.
Regulator: *See*—
Draft regulator.
Relay. K. M. Lord and G. E. Warren. 2,245,441; June 10.
Relay. B. E. Shaw. 2,245,230; June 10.
Relay, Polarized. E. Dickten, Jr. 2,245,391; June 10.
Release for feed grinders, Automatic. J. D. Laird. 2,244,996; June 10.
Remote control for switch throwing devices. A. J. and G. D. Gurney. 2,245,146; June 10.
Remote control system. H. O. Peterson. 2,244,725; June 10.
Remote control system for blowpipe machines. J. H. Bucknam. 2,244,822; June 10.
Reproducing means, Position. R. R. Chappell and R. B. Colt. 2,245,461; June 10.
Reservoir, Variable capacity. T. C. Aitchison. 2,245,247; June 10.
Resin composition, Polyvinyl. H. Rein and K. Rössler. 2,245,500; June 10.
Resin compositions containing the butyl ether of diethylene glycol succinate, Polyvinyl acetal. H. B. Smith. 2,245,232; June 10.
Resin emulsion, Making pigmented acid. I. M. Bernstein. 2,245,100; June 10.
Resins, Manufacture of vinyl. B. M. Marks. 2,245,040; June 10.
Resins, Production of urea-formaldehyde. A. Menger, E. Bock, and P. Didden. 2,245,491; June 10.
Resistance device, Variable electric. G. B. Moross. 2,244,958; June 10.
Rest, Back. W. Y. Abresch. 2,245,121; June 10.

Restraining device. H. H. Ogburn. 2,245,293; June 10.
Resuscitator. H. L. Swan. 2,244,973; June 10.
Rigging, Brake. T. R. McGowan. 2,245,408; June 10.
Ring: *See*—
Piston ring.
Riveting machine. A. R. Havener. 2,244,878; June 10.
Rotary engine. P. Pringiers. 2,245,498; June 10.
Ruled reinforcing bar. T. H. Hopkins. 2,245,133; June 10.
Safety cutoff valve. H. A. Gulil. 2,245,271; June 10.
Salts, Cyclammonium quaternary. L. G. S. Brooker. 2,245,249; June 10.
Salts of interpolymers containing methacrylic acid, Water soluble. L. P. Hubbuch. 2,244,703; June 10.
Salts, Preparing cyclammonium quarternary. L. G. S. Brooker. 2,245,250; June 10.
Sampler, Grain. J. E. Bailey. 2,245,519; June 10.
Sanding device. C. C. H. Tommerup. 2,244,813; June 10.
Sanitary laminated pad. G. B. Travis. 2,245,508; June 10.
Saw, Surgical. S. L. Fisher. 2,244,683; June 10.
Scaffold, Portable. T. W. O'Meara. 2,245,223; June 10.
Screen. J. Pejchar. 2,245,079; June 10.
Seal. J. Klopak. 2,245,281; June 10.
Seal, Fluid. F. H. Hately. 2,245,475; June 10.
Seal, Hermetic. V. J. Francis. 2,245,394; June 10.
Seal, Pressure liquid. F. H. Hately. 2,245,474; June 10.
Seal, Shaft. A. E. Karlberg. 2,245,106; June 10.
Seals for discharge lamps, Making. E. H. Nelson. 2,244,960; June 10.
Seat. C. D. Miller and G. P. Ickes. 2,244,956; June 10.
Selecting device for weaving looms, Electrical color. K. Schwabe. 2,245,445; June 10.
Self-lubricating valve. H. J. Waddell. 2,244,928; June 10.
Server or dispenser. R. Bernhardt. 2,245,523; June 10.
Serving table. S. R. Walker, Sr. 2,244,861; June 10.
Sewing set. L. Clanton. 2,245,087; June 10.
Shear. M. Morgan. 2,245,442; June 10.
Sheet material and article made therefrom, Coated. F. E. Williams. 2,244,795; June 10.
Shelter, Spectator's portable. M. T. White. 2,245,312; June 10.
Shield and support, Fender. C. F. Purdy. 2,244,896; June 10.
Shield, Glare. S. Murata. 2,244,959; June 10.
Shingle. H. Abraham. 2,245,062; June 10.
Shipyard. T. F. Little. 2,245,486; June 10.
Shoe and skate combination. J. H. Mansfield. 2,244,719; June 10.
Shoe parts, Making. C. A. Thurston. 2,245,235; June 10.
Shoes, Manufacture of. E. W. Dunbar. 2,244,868; June 10.
Shrimp-trawling device. J. W. Enright. 2,244,907; June 10.
Shutoff valve. J. H. Tobler. 2,245,097; June 10.
Signal: *See*—
Control signal. Traffic signal.
Direction signal.
Signal control. M. F. Berglund. 2,244,981; June 10.
Signal device. G. E. Warren. 2,245,453; June 10.
Signals of relatively high frequency, System for the rectification and amplification of. J. G. Tovar. 2,244,741; June 10.
Signaling, Absolute permissive block system of railway. C. E. Staples. 2,244,901; June 10.
Siliceous material. N. S. Garbisch. 2,245,473; June 10.
Silo lug, Pressed. P. Rutten. 2,244,728; June 10.
Siphon, Thermic. G. J. Christenson. 2,244,676; June 10.
Ski having metal edgings. L. Beerli. 2,245,319; June 10.
Slicing machine. A. A. Kottmann. 2,245,108; June 10.
Slide fastener. A. W. Tripp and J. D. Stiriss. 2,245,022; June 10.
Slider for slide fasteners, Locking. F. Ulrich. 2,244,743; June 10.
Sliders, Constructing. L. H. Morin. 2,244,957; June 10.
Slip, Lady's. G. Burger. 2,245,141; June 10.
Sludge pump, Centrifugal. K. Hartman. 2,245,035; June 10.
Smoking device. C. L. Carlton. 2,244,764; June 10.
Soap and the like, Making, removing, and processing. B. H. Thurman. 2,245,536; June 10.
Socket, Caster. O. C. Roth and B. Wliming. 2,244,805; June 10.
Socket, Electric light. C. Newman. 2,245,357; June 10.
Solid or fluid material, Burning or heat treating. E. A. I. Orrmell. 2,245,048; June 10.
Solutizers, Recovery of. E. R. White. 2,245,311; June 10.
Sorting machine. D. C. Cox. 2,244,826; June 10.
Sound recording apparatus. K. Schwarz. 2,244,733; June 10.
Sound recording, Electromagnetic. L. Marzocchi. 2,245,286; June 10.
Sound reproducing mechanism. A. G. Zimmerman. 2,244,754; June 10.
Spacer, Line. L. P. Crosman. 2,245,142; June 10.
Speed responsive device. H. L. Bone. 2,244,760; June 10.
Speed transmission, Variable. D. C. Drill. 2,245,392; June 10
Spindle and bearer therefor. M. H. Arms. 2,245,378; June 10.
Spindle for grinding wheels and the like, Precision. R. M. Severance. 2,244,734; June 10.
Spindle head, Tool. J. R. Johnson. 2,245,105; June 10.
Spooler. B. A. Peterson. 2,245,360; June 10.
Spotlight. F. Hell. 2,244,697; June 10.
Spray device for dental instruments. C. J. Henschel. 2,245,036; June 10.
Spreader, Spinning frame drum. S. J. Geddings. 2,244,989; June 10.
Spring: *See*—
Cylindrical spring.
Spring. E. H. Piron. 2,245,296; June 10.
Spring assembly for tank vehicles. R. A. Bradley and D. C. Buttolph. 2,245,382; June 10.
Spring button fastener. A. E. Jydstrup. 2,245,403; June 10.
Spudding machine. P. E. Miller. 2,245,544; June 10.
Stabilizer for sewing machines, Thread. J. D. Karle. 2,245,479; June 10.
Stamp affixing mechanism, Revenue seal. H. S. Ogden. 2,244,796; June 10.
Stand: *See*—
Display stand.
Stapling apparatus. I. Skrebba. 2,245,506; June 10.
Starch conversion products Manufacturing dried. J. F. Walsh. 2,245,309; June 10.
Starter, Engine. J. B. Dyer. 2,245,436–7–8; June 10.
Starting device for carburetors. L. Beck. 2,245,139; June 10.
Steel of the copper-phosphorous-silicon-chromium type, Making low-alloy high-strength. C. D. King. 2,245,482; June 10.
Stemmed articles, Means for and method of mounting. A. W. Tripp and J. D. Stiriss. 2,245,021; June 10.
Sterilizing device. H. I. Morris. 2,244,916; June 10.
Sterolic compounds and products obtained thereby, Method of oxidizing. E. Schwenk and B. Whitman. 2,244,968; June 10.
Stoker apparatus. D. J. Mosshart. 2,244,793; June 10.
Stool, Milking. R. W. Stephens. 2,245,118; June 10.
Stool, Sanitary milking. A. A. Kollander. 2,244,912; June 10.
Stop for pipe lines, Automatic. G. L. Slocum. 2,245,534; June 10.
Stop means for shafts of recorders and the like. G. J. Grizey. 2,245,032; June 10.
Storage facility, Utility. F. W. Jones. 2,244,950; June 10.
Stove, Camp. G. H. Binger. 2,244,935; June 10.
Straightener, Axle. C. C. Bennett. 2,244,934; June 10.
Street fill box. C. F. Myers. 2,245,290; June 10.
Strip for finishing welts and the like, Reinforcing. G. G. Barr. 2,245,540; June 10.
Stroke indicating device. L. T. Stumpf. 2,244,972; June 10.
Stuffing box. J. D. Nixon. 2,245,007; June 10.
Subassembly for overrunning clutches. R. M. Critchfield. 2,245,431; June 10.
Sucker rod connection. Releasable. R. Livergood. 2,244,714; June 10.
Sucker rod fatigue testing machine. W. E. Gilbert. 2,245,269; June 10.
Superheater. C. F. Strahley. 2,245,307; June 10.
Suphanilamidopyridines, Preparation of. E. H. Northey and M. E. Hultquist. 2,245,292; June 10.
Support: *See*—
Adjustable support. Article support.
Surface treating tool. P. E. Miller, W. C. Sauer, and C. C. Hower. 2,245,545; June 10.
Surfacing machine, Brick. F. J. Skyrms. 2,245,058; June 10.
Sweeper, Mechanical. H. A. Olds and I. M. and W. Wells. 2,244,848; June 10.
Switch: *See*—
Ball operated switch. Thermostatic switch.
Cam switch. Traffic switch.
Magnetic switch.
Switch. H. Gross and J. A. Potenza. 2,244,836; June 10.
Switch and signal control system for railroads. N. D. Preston and F. B. Hitchcock. 2,245,082; June 10.
Synchronized generator. F. Klaiber. 2,245,134; June 10.
Syringe, Ampoule. A. E. Smith. 2,244,969; June 10.
System and apparatus for flowing wells. J. D. Nixon. 2,245,006; June 10.
System and apparatus for flowing wells. J. D. Nixon. 2,245,010; June 10.
Table: *See*—
Inspecting and trimming table. Orthopedic table.
Sewing table.
Table and back rest, Adjustable. W. Y. Abresch. 2,245,120; June 10.
Taeniacide for poultry. O. J. Mayfield and J. P. Henry. 2,245,530; June 10.
Tank: *See*—
Oil tank.
Tank diverting valve. E. J. Broberg. 2,244,982; June 10.
Tank for inflammable liquids, Storage. G. A. Jones. 2,244,782; June 10.
Tap, Cube. N. Chirelstein. 2,245,068; June 10.
Telephone instrument. A. Turnbull, Jr., and H. R. Warnke. 2,245,511; June 10.
Telephone set, Desk. H. F. Obergfell. 2,244,918; June 10.

Telephone system. H. Döhle. 2,244,906; June 10.
Telephone system. A. W. Horton, Jr. 2,244,700; June 10.
Telephone system. W. Mai and H. Richter. 2,244,914; June 10.
Telephone system. H. Post. 2,244,920; June 10.
Telephone system. L. G. Schimpf. 2,245,160; June 10.
Telephone system, Automatic. E. Jauch. 2,244,911; June 10.
Telescope. A. Langsner. 2,245,405; June 10.
Television system. P. Neidhardt. 2,244,794; June 10.
Tension measuring device. E. D. Lilja. 2,245,039; June 10.
Textile material. A. D. Goldstein. 2,244,835; June 10.
Textile materials, Sizing of. M. M. Brubaker. 2,244,704; June 10.
Textiles with long chain vinyl esters, Treatment of cellulosic. J. W. Hill and R. W. Maxwell. 2,245,132; June 10.
Thermionic tube. I. Wolff. 2,244,752; June 10.
Thermostatic switch. S. Marvin. 2,244,915; June 10.
Thiazolines, Preparation of 2-mercapto. P. S. Pinkney. 2,245,361; June 10.
Thin-walled article, Threaded. H. A. Unke. 2,245,419; June 10.
Threads, Production of textile. D. Finlayson and R. Bezant. 2,244,832; June 10.
Threading machine and work supporting member therefor. J. J. Tyne. 2,244,925; June 10.
Ticketing system, Automatic. L. Kozma. 2,244,785; June 10.
Tile board. L. A. Dussol. 2,245,468; June 10.
Tile, Process and apparatus for producing cylindrical ceramic. C. N. Brooks. 2,245,181; June 10.
Timer mechanism. M. E. Rhode. 2,244,803; June 10.
Timing mechanism, Electric. L. Rittenhouse. 2,245,443; June 10.
Tire balancing. T. W. Mullen. 2,245,353; June 10.
Titanium bearing materials, Chlorination of. I. E. Muskat and R. H. Taylor. 2,245,076–7; June 10.
Titanium bearing materials, Chlorination of. A. Pechukas. 2,245,358; June 10.
Tocopherol derivatives and manufacture thereof. P. Karrer. 2,245,480; June 10.
Toggle operated press. W. G. Cleghorn. 2,245,252; June 10.
Tongs, Pipe and pipe flange. E. A. Hartung. 2,244,693–4; June 10.
Tool; *See*—
Box handling tool. Grinding tool.
Cutting tool. Hairdressing tool.
Extracting tool. Machine tool.
Furrier's tool. Pipe cleaning tool.
Glue applying tool. Surface treating tool.
Top for filling valves, Bell. C. S. Mullenix. 2,244,891; June 10.
Towel cabinet. J. M. Forman. 2,244,833; June 10.
Tractor-mower assembly. H. W. Simpson. 2,245,447; June 10.
Tractor-mower structure. H. W. Simpson. 2,245,450; June 10.
Tractor road vehicle. P. G. Hugh and H. T. Baker. 2,245,542; June 10.
Traffic controlling apparatus, Railway. B. E. O'Hagan. 2,244,797; June 10.
Traffic signal. J. J. Hammer. 2,244,946; June 10.
Traffic switch, Vehicular. R. R. Armstrong. 2,244,933; June 10.
Transfer revoking mechanism. C. D. Brown. 2,244,866; June 10.
Transformer, Variable. J. F. Eitman, E. J. Zelt, and A. F. Mittermaier. 2,245,266; June 10.
Transmission mechanism. G. F. Sheppard. 2,245,161; June 10.
Transmitter system, Carrier current control. J. L. Woodworth. 2,245,242; June 10.
Transmission system comprising a cable operated with carrier frequencies. U. Meyer. 2,245,492; June 10.
Transmitting system, Television. R. L. Campbell. 2,245,428; June 10.
Trap. G. H. Darrell. 2,245,258; June 10.
Tray, Ash. H. B. Ivy. 2,245,277; June 10.
Trimming and creasing device, Bag mouth. H. G. Allen. 2,245,063; June 10.
Truck having radial axle guiding structures, Motor. M. Frei. 2,245,333; June 10.
Truck, Steerable vehicle. A. Ronning. 2,244,853; June 10.
Tube; *See*—
Discharge tube. Nozzle tube.
Heat transfer tube. Thermionic tube.
Inner tube
Mercury vapor discharge tube.
Tube, Artificially cooled high-pressure mercury-vapor discharge. H. J. Lemmens and E. G. Dorgelo. 2,245,406; June 10.
Tubes, Making deformed steel. A. von Frankenberg und Ludwigsdorf and H. Projahn. 2,245,421; June 10.
Tubing clamp for intravenous operations. B. H. and M. R. Gottesfeld. 2,245,030; June 10.
Tumbler press. T. H. Sloan. 2,244,809; June 10.
Tuning mechanism, Automatic. F. L. Creager. 2,244,678; June 10.
Tuning system, Preselection. W. H. Conron, R. L. Harvey, and W. L. Carlson. 2,245,388; June 10.
Turbine pump, Deep well. C. A. Orleans. 2,245,114; June 10.
Tuyère construction for coal-burning stokers. C. Carlson and E. M. Rosen. 2,244,938; June 10.
2-mercapto thiazolines, Preparation of. P. S. Pinkney. 2,245,362; June 10.
Umbrella holder. F. Klaassen. 2,244,995; June 10.
Uncoupling mechanism. W. J. Metzger. 2,245,044; June 10.
Undergarment. I. Pilot. 2,245,413; June 10.
Vacuum apparatus. R. S. Morse. 2,245,216; June 10.
Vacuum cleaner. J. I. R. Boivie. 2,245,179; June 10.
Vacuum cleaner. D. M. Dow. 2,244,943; June 10.
Vacuum cleaner. E. F. G. Fredlund. 2,245,334; June 10.
Vacuum cleaner. G. E. Lofgren. 2,244,843; June 10.
Vacuum connection. W. A. Carlson. 2,244,959; June 10.
Vacuum, High. R. S. Morse. 2,245,215; June 10.
Vacuum tube and circuits, Thermionic. R. H. Varian and A. J. F. Siegert. 2,244,747; June 10.
Valve; *See*—
Air valve. Regulating valve.
Control valve. Safety cutoff valve.
Diverting valve. Self-lubricating valve.
Flush valve. Shutoff valve.
Governor valve. Tank diverting valve.
Valve. P. S. Bogardus. 2,244,759; June 10.
Valve. R. W. Scott and A. O. McCollum. 2,244,808; June 10.
Valve. J. W. Thomas, Sr. 2,244,974; June 10.
Valve construction. W. W. Lepper. 2,244,997; June 10.
Valve for compressors, Automatic control. B. Dick. 2,244,828; June 10.
Valve system, Back pressure. C. B. McElwaine. 2,245,210; June 10.
Vehicle; *See*—
Tractor road vehicle
Vehicle. A. B. Kinzel. 2,244,709; June 10.
Vehicle drive system, Electric. L. W. Webb and J. W. McNairy. 2,245,083; June 10.
Vending machine. S. Van Tuyl. 2,245,371–2; June 10.
Veneers, Producing. E. F. von Ende and H. Geffcken. 2,245,170; June 10.
Vessel-leveling device for galley ranges. R. E. Cooney. 2,245,254; June 10.
Vitamin D in evaporated milk and producing the same, Concentrated. R. C. Sherwood and C. G. Ferrari. 2,245,418; June 10.
Washing machine with water-heating apparatus. O. Heubree. 2,245,476; June 10.
Water heater. H. D. Dufault. 2,245,332; June 10.
Wave meter. P. D. Zottu. 2,245,138; June 10.
Weather stripping. J. Sylvan. 2,244,739; June 10.
Web roll in printing machines, Method and means for renewing. W. C. Wieking. 2,245,025; June 10.
Weight, Horn forming. E. G. Stone. 2,244,810; June 10.
Welder's clamp. J. M. Hargrave. 2,245,089; June 10.
Welding. C. W. Obert. 2,245,222; June 10.
Welding mechanism, Water-cooled spot. E. A. Rutt. 2,244,727; June 10.
Wheel disk. G. A. Lyon. 2,244,913; June 10.
Wheel press. T. J. Vanstone, W. E. Vanstone, and E. G. Etes. 2,244,927; June 10.
Wheel shelf and mounting, Spare. A. P. Fergueson. 2,244,872; June 10.
Wheel structure. F. N. Ross. 2,245,444; June 10
Whistle, Dog. T. Leavens. 2,245,484; June 10.
Wind, Camera film. J. Mihalyi. 2,245,214; June 10.
Winding machine including a plurality of winding spindles arranged on a common rotatable supporting member. W. Siegenthaler. 2,245,305; June 10.
Window. F. L. Marshall. 2,244,888; June 10.
Windshield wiper arm. M. Zaiger. 2,245,244; June 10.
Wire construction, Border. C. S. Reed. 2,245,051; June 10.
Wiring device. A. O. La Ducer. 2,244,883; June 10.
Yarn, Drying. J. Uytenbogaart and C. F. Gram. 2,244,744; June 10.
Yarn making. C. G. Perry. 2,245,359; June 10.
Yarn treating composition and process. F. D. Pilgrim and E. A. Robinson. 2,245,412; June 10.
Yarns, Manufacture of pubescent. E. G. Guenther and W. G. Faw. 2,245,191; June 10.
Yarns, Production of textile. J. Brandwood. 2,244,761; June 10.
Yeast, Automatic cultivation of. E. Stich. 2,244,902; June 10.
Zinc, Electrode position of. J. L. Bray and F. R. Morral. 2,245,086; June 10.
Zip-fastener elements, Producing colored. S. Frey. 2,245,335; June 10.

CLASSIFICATION OF PATENTS

ISSUED JUNE 10, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 45.6: 2,245,416
49: 2,245,506
2— 42: 2,245,413
49: 2,244,656
59: 2,244,871
73: 2,245,141
131: 2,244,802
150: 2,244,692
4— 134: 2,245,204
5— 71: 2,245,121
7— 14.4: 2,244,917
8— 113: 2,245,310
115: 2,244,767
127: 2,245,162
9— 1: 2,245,401
10— 107: 2,244,925
12— 146: 2,244,868
2,245,235
2,245,466
15— 6: 2,244,943
83: 2,244,848
93: 2,245,545
102: 2,245,341
104.30: 2,244,735
188: 2,244,699
250: 2,245,244
16— 39: 2,244,805
49: 2,244,787
177: 2,245,197
17— 3: 2,245,329
4: 2,245,330
27: 2,245,199
18— 5: 2,244,750
5.7: 2,245,291
15: 2,244,948
30: 2,244,842
55: 2,244,957
57: 2,245,429
19— 21: 2,244,971
66: 2,244,761
20— 2: 2,245,318
2,245,465
5: 2,245,047
2,245,468
6: 2,245,497
12: 2,244,888
69: 2,244,739
21— 2: 2,244,916
43: 2,244,712
22— 57.2: 2,245,224
65.1: 2,245,065
68: 2,244,816
80: 2,245,275
23— 3: 2,244,731
85: 2,245,514
160: 2,245,550
193: 2,245,130
203: 2,245,503
243: 2,245,040
288: 2,245,145
24— 11: 2,245,059
71: 2,245,532
73: 2,245,463
105: 2,245,403
123: 2,244,696
205.5: 2,244,743
206: 2,245,255
207: 2,245,021
2,245,022
219: 2,244,885
250: 2,245,088
263: 2,245,316
25— 1: 2,245,058
131.5: 2,244,931
142: 2,245,181
156: 2,244,777
28— 1: 2,245,191
2,245,260
2,245,412
28— 36: 2,245,368
64: 2,244,999
29— 34: 2,245,031
105: 2,245,446
155: 2,244,847
156: 2,245,102
2,245,421
156.5: 2,244,954
30— 9: 2,244,846
43: 2,245,420
64: 2,244,909
339: 2,245,096
31— 57: 2,245,118
32— 19: 2,245,288
28: 2,245,036
32: 2,245,397
33— 11: 2,245,313
54: 2,244,781
75: 2,244,945
86: 2,245,321
125: 2,244,864
141: 2,245,221
172: 2,244,964
189: 2,245,350
204: 2,245,478
34— 41: 2,244,744
52: 2,244,722
100: 2,244,953
110: 2,244,689
2,244,745
224: 2,244,879
35— 13: 2,245,110
26: 2,244,921
40: 2,245,339
53: 2,244,962
36— 8.5: 2,244,844
45: 2,244,860
75: 2,244,838
38— 30: 2,245,184
40: 2,245,252
40— 125: 2,244,867
152.1: 2,245,363
41— 26: 2,245,045
35: 2,245,170
2,245,202
42: 2,245,219
43— 3: 2,245,267
9: 2,244,907
35: 2,244,980
46: 2,245,061
45— 80: 2,244,773
46— 179: 2,245,484
47— 17: 2,244,677
62: Pl.Pt.474
48— 191: 2,245,210
49— 38: 2,244,809
47: 2,244,772
81: 2,244,960
89: 2,244,715
51+ 34: 2,244,813
67: 2,244,806
73: 2,245,435
157: 2,245,462
53— 3: 2,245,182
2,245,389
5: 2,244,670
55— 81: 2,245,374
56— 25: 2,245,186
2,245,447
2,245,448
2,245,449
2,245,450
2,245,451
2,245,452
26: 2,244,967
122: 2,245,081
135: 2,245,344
57— 1: 2,245,359
88: 2,245,423
57— 157: 2,244,832
58— 16: 2,244,924
34: 2,244,811
74: 2,245,302
60— 1: 2,245,001
2,245,175
13: 2,245,163
2,245,326
52: 2,244,894
61— 64: 2,245,486
62— 1: 2,245,103
3: 2,245,454
4: 2,244,890
2,244,892
2,245,049
2,245,053
6: 2,245,455
8: 2,245,439
17: 2,244,820
2,244,862
2,244,863
2,245,023
2,245,024
89: 2,245,300
91.5: 2,244,904
102: 2,245,234
103: 2,244,900
108.5: 2,245,440
122: 2,245,028
63— 2: 2,244,944
65— 31: 2,245,523
66— 9: 2,244,870
134: 2,245,205
68— 4: 2,245,476
70— 136: 2,244,951
153: 2,244,682
304: 2,245,091
456: 2,245,381
72— 111: 2,245,133
73— 51: 2,245,269
375: 2,244,798
74— 7: 2,245,436
2,245,437
2,245,438
10: 2,244,678
27: 2,244,979
41: 2,244,812
2,244,884
57: 2,245,457
112: 2,244,657
119: 2,245,352
230.2: 2,245,456
232: 2,245,434
286: 2,245,392
290: 2,244,668
337: 2,245,017
389.5: 2,245,467
394: 2,245,280
395: 2,245,075
512: 2,245,018
591: 2,245,117
604: 2,245,239
607: 2,245,078
75— 109: 2,245,217
111: 2,245,077
2,245,358
112: 2,245,076
125: 2,245,482
153: 2,245,327
155: 2,245,459
78— 49: 2,244,878
80— 8: 2,244,817
27: 2,244,852
81— 67: 2,244,693
68: 2,244,694
71: 2,244,824
83— 8: 2,244,996
15: 2,245,519
84— 1.01: 2,245,338
84— 1.25: 2,245,354
1.26: 2,245,337
232: 2,245,314
330: 2,245,432
85— 5: 2,244,975
32: 2,244,823
2,244,976
36: 2,244,977
2,244,978
88— 14: 2,244,839
16: 2,244,687
2,244,688
16.4: 2,244,991
23: 2,244,732
2,245,033
2,245,034
2,245,522
24: 2,244,754
2,245,370
2,245,527
32: 2,245,405
47: 2,244,922
2,244,926
57: 2,245,241
2,245,257
79: 2,245,336
90— 21: 2,244,985
91— 12.5: 2,245,425
18: 2,245,301
43: 2,244,791
45: 2,244,686
50: 2,244,859
51: 2,245,513
59.2: 2,245,303
67.4: 2,244,856
68: 2,244,704
2,245,123
69: 2,245,218
70: 2,245,132
70.3: 2,245,225
2,245,226
92— 39: 2,245,014
44: 2,244,746
50: 2,245,109
93— 6: 2,244,873
2,245,063
53: 2,245,193
61: 2,244,723
94— 46: 2,245,426
95— 2: 2,244,992
5: 2,244,905
7: 2,245,236
31: 2,245,213
44: 2,245,158
45: 2,245,212
75: 2,244,965
97— 209: 2,244,774
99— 11: 2,245,418
101— 133: 2,244,780
136: 2,245,343
103— 5: 2,245,256
37: 2,244,882
46: 2,245,501
96: 2,245,094
102: 2,245,114
111: 2,245,035
144: 2,245,498
185: 2,245,227
226: 2,244,714
231: 2,245,002
2,245,008
232: 2,245,003
2,245,005
233: 2,245,006
2,245,009
2,245,010
234: 2,245,004
105— 38: 2,244,716
118: 2,245,161
105— 155: 2,215,135
168: 2,245,333
226: 2,245,272
280: 2,215,376
397: 2,244,661
421: 2,245,390
422: 2,245,529
106— 30: 2,245,100
49: 2,245,541
52: 2,245,473
59: 2,245,297
118: 2,245,458
128: 2,245,499
179: 2,245,233
308: 2,245,104
107— 9: 2,245,284
14: 2,244,854
2,245,308
66: 2,245,387
108— 7: 2,245,062
26: 2,244,970
110— 47: 2,244,793
112— 2: 2,244,691
233: 2,244,876
113— 99: 2,245,089
112: 2,245,222
116— 125: 2,245,243
120— 42: 2,245,116
121— 41: 2,244,770
2,244,829
2,244,850
157: 2,245,011
194: 2,245,207
122— 68: 2,244,676
156: 2,245,322
235: 2,245,209
250: 2,215,332
374: 2,244,938
376: 2,245,048
420: 2,245,496
123— 63: 2,244,706
75: 2,244,749
119: 2,245,093
140: 2,244,669
146.5: 2,245,402
124— 8: 2,245,258
126— 9: 2,244,935
70: 2,245,307
99: 2,245,090
120: 2,245,074
280: 2,244,936
127— 30: 2,245,309
128— 28: 2,244,973
70: 2,244,758
76: 2,244,810
134: 2,245,293
191: 2,244,659
218: 2,244,969
317: 2,244,683
129— 23: 2,244,663
131— 51: 2,245,107
175: 2,244,764
212: 2,245,019
215: 2,245,410
230: 2,245,489
132— 1: 2,245,111
11: 2,245,469
19: 2,245,328
28: 2,245,279
33: 2,244,897
35: 2,245,054
2,245,055
2,245,056
41: 2,244,708
42: 2,244,707
50: 2,245,515
133— 5: 2,245,066
11: 2,245,415
135— 7.1: 2,245,312
135— 47: 2,244,869
136— 170: 2,245,099
137— 13: 2,244,993
21: 2,245,198
68: 2,244,982
2,244,986
78: 2,245,546
93: 2,245,400
104: 2,245,534
111: 2,245,211
139: 2,245,512
153: 2,244,828
138— 30: 2,245,247
139— 71: 2,244,776
2,244,786
123: 2,245,067
160: 2,245,140
190: 2,245,013
231: 2,244,866
232: 2,245,445
378: 2,245,050
384: 2,245,095
425: 2,245,540
427: 2,244,835
141— 1: 2,245,195
144— 309: 2,245,169
146— 4: 2,244,730
67: 2,245,012
153: 2,245,108
214: 2,245,000
148— 2: 2,245,166
2,245,167
4: 2,245,366
6.5: 2,244,740
21: 2,245,273
27: 2,245,155
31: 2,244,881
150— 28: 2,244,789
33: 2,244,858
34: 2,244,984
151— 32: 2,245,525
35: 2,244,930
36: 2,245,231
152— 341: 2,244,941
153— 1: 2,244,667
32: 2,244,927
2,245,407
48: 2,244,934
72: 2,245,042
154— 2: 2,245,289
4: 2,244,845
14: 2,245,355
16: 2,245,324
46: 2,245,508
155— 5.23: 2,244,956
179: 2,245,051
194: 2,244,912
156— 10: 2,245,079
2,245,285
2,245,411
2,245,504
21: 2,245,510
158— 91: 2,244,766
110: 2,244,821
161— 26: 2,245,248
164— 0.8: Re.21,824
19: 2,244,779
22: 2,245,122
68: 2,244,673
2,245,442
91: 2,244,660
108: 2,245,304
166— 1: 2,245,380
2: 2,244,684
18: 2,245,128
167— 53.1: 2,245,530
169— 37: 2,245,144
170— 162: 2,245,251
163: 2,244,994

171— 34: 2,245,393
97: 2,245,242
2,245,342
119: 2,245,192
2,245,266
227: 2,245,268
242: 2,245,373
327: 2,244,690
2,245,178
172— 36: 2,244,877
2,245,433
179: 2,245,253
239: 2,244,880
2,245,092
2,245,150
2,245,461
274: 2,245,189
279: 2,244,757
173— 328: 2,245,357
330: 2,244,937
334: 2,245,068
334.1: 2,244,883
340: 2,245,194
361: 2,245,148
174— 65: 2,245,422
175— 21: 2,245,477
183: 2,245,168
301: 2,244,658
338: 2,245,441
365: 2,245,149
366: 2,244,664
2,244,771
176— 16: 2,245,137
122: Re.21,823
2,245,406
126: 2,245,394
177— 7: 2,245,453
311: 2,244,717
2,244,998
329: 2,244,983
2,245,493
337: 2,244,675
2,244,946
353: 2,244,665
178— 7.2: 2,245,428
7.5: 2,245,409
44: 2,245,364
69.5: 2,244,794
179— 6.31: 2,244,906
7.1: 2,244,785
18: 2,244,914
2,244,920
2,245,160
26: 2,244,911
27: 2,244,700
78: 2,245,492
100.2: 2,245,286
100.3: 2,244,733
119: 2,245,511
146: 2,244,918
171: 2,244,695
2,244,751
2,244,807
2,245,119
2,245,159
2,245,176
2,245,340
2,245,353
2,245,379
171.5: 2,244,756
2,244,799

180— 62: 2,244,875
181— 56: 2,245,399
183— 7: 2,245,516
73: 2,244,843
111: 2,244,919
184— 3: 2,244,701
6: 2,245,105
55: 2,245,274
187— 60: 2,245,072
188— 56: 2,245,408
188: 2,244,893
189— 46: 2,245,351
88: 2,245,375
191— 57: 2,245,507
192— 20: 2,245,471
45: 2,245,431
61: 2,244,929
116.5: 2,245,032
139: 2,244,803
195— 95: 2,244,902
196— 10: 2,245,038
2,245,143
50: 2,245,157
147: 2,245,016
197— 114: 2,245,142
198— 109: 2,245,113
131: 2,245,263
168: 2,245,073
195: 2,244,827
200— 16: 2,245,369
46: 2,244,955
50: 2,245,146
52: 2,244,834
2,245,020
2,245,278
58: 2,245,460
80: 2,244,760
81: 2,245,398
83: 2,244,783
84: 2,245,125
86: 2,244,933
91: 2,245,230
93: 2,245,391
97: 2,245,443
115.5: 2,245,294
116: 2,244,836
117: 2,244,788
2,245,188
121: 2,245,345
131: 2,245,346
137: 2,244,915
201— 55: 2,244,958
2,245,367
202— 37: 2,245,549
206— 29: 2,245,127
44: 2,245,064
209— 9: 2,245,200
98: 2,244,729
111: 2,244,826
210— 30: 2,244,698
211— 51: 2,245,518
71: 2,244,784
213— 151: 2,245,043

213— 170: 2,245,044
214— 65.4: 2,245,543
113: 2,244,857
216— 55: 2,244,766
217— 95: 2,244,728
218— 15: 2,245,165
219— 4: 2,244,727
10: 2,245,298
35: 2,245,220
38: 2,245,085
44: 2,245,238
220— 26: 2,244,782
35: 2,245,487
40: 2,245,290
61: 2,245,533
97: 2,244,841
221— 73.5: 2,245,485
79: 2,244,952
98: 2,244,681
103: 2,245,287
104: 2,245,265
114: 2,245,488
122: 2,245,152
223— 75: 2,245,502
107: 2,245,087
224— 5.1: 2,244,995
29: 2,244,872
226— 1: 2,245,356
25: 2,244,718
66: 2,244,947
129: 2,244,891
228— 6: 2,245,481
63: 2,245,306
229— 5.5: 2,244,940
29: 2,244,961
37: 2,245,185
55: 2,244,795
230— 97: 2,244,726
101: 2,245,215
2,245,216
127: 2,245,179
232: 2,245,334
249.5: 2,245,015
235— 131: 2,244,825
236— 12: 2,244,808
15: 2,245,060
23: 2,244,910
34: 2,244,932
44: 2,245,464
68: 2,245,229
93: 2,244,990
99: 2,245,171
237— 16: 2,244,831
46: 2,245,470
73: 2,244,755
327: 2,244,755
238— 8: 2,245,283
7.42: 2,245,349
7.35: 2,244,737
7.4: 2,244,738
10.63: 2,244,895
61.12: 2,244,697
73: 2,244,736
242— 4: 2,245,180
27: 2,245,305
2,245,315
31: 2,244,851
35.5: 2,245,360
55.2: 2,244,804
58: 2,245,025
71: 2,245,206

242— 71: 2,245,214
84.4: 2,244,889
130: 2,245,070
134: 2,244,662
150: 2,245,479
153: 2,244,903
2,245,490
244— 55: 2,244,763
246— 33: 2,244,901
134: 2,245,082
219: 2,244,797
248— 125: 2,244,778
139: 2,245,254
215: 2,244,865
311: 2,245,277
339: 2,245,126
250— 11: 2,245,246
17: 2,245,347
20: 2,245,365
2,245,383
2,245,385
27: 2,244,713
27.5: 2,244,672
2,244,720
2,244,752
2,244,753
30: 2,244,741
36: 2,244,747
2,245,134
39: 2,245,138
40: 2,244,725
2,244,775
2,245,388
41.5: 2,245,124
64: 2,245,395
81: 2,245,414
158: 2,244,748
175: 2,245,174
251— 5: 2,245,030
8: 2,245,097
49: 2,244,974
56: 2,244,981
93: 2,244,928
96: 2,244,759
144: 2,244,997
2,245,271
252— 48: 2,244,886
57: 2,244,705
100: 2,245,052
153: 2,244,721
186: 2,245,495
311.5: 2,244,685
253— 78: 2,245,237
254— 29: 2,244,899
2,244,989
91: 2,245,417
168: 2,245,057
172: 2,244,830
255— 78: 2,244,674
257— 262: 2,244,800
2,245,069
250— 8: 2,245,029
2,245,112
96: 2,244,814
2,244,815
102: 2,244,765
260— 2: 2,245,129
9: 2,245,203
28: 2,245,494
29: 2,245,491

260— 30: 2,245,245
36: 2,245,232
2,245,500
84: 2,244,702
2,244,703
112: 2,244,680
155: 2,245,261
2,245,262
166: 2,245,517
205: 2,245,173
2,245,259
225: 2,245,208
230: 2,244,855
237: 2,245,539
240: 2,245,177
2,245,249
2,245,250
277: 2,245,520
2,245,521
295: 2,245,292
302: 2,245,361
2,245,362
313: 2,245,172
314: 2,245,098
333: 2,245,147
2,245,480
341: 2,245,404
348: 2,245,183
355: 2,245,535
397.1: 2,245,299
397.4: 2,244,968
403: 2,245,537
407: 2,244,666
418: 2,245,536
2,245,538
449: 2,244,710
464: 2,245,548
476: 2,245,131
486: 2,245,547
504: 2,215,190
521: 2,244,769
524: 2,245,528
535: 2,245,483
537: 2,244,849
540: 2,245,311
570.5: 2,245,282
594: 2,244,837
601: 2,245,377
609: 2,245,317
614: 2,245,500
261— 41: 2,245,139
107: 2,244,792
262— 8: 2,245,544
20: 2,244,742
263— 43: 2,244,768
265— 1.6: 2,245,039
14: 2,245,080
21: 2,244,972
266— 21: 2,245,136
23: 2,244,822
267— 38: 2,245,382
54: 2,245,201
63: 2,245,295
2,245,296
268— 51: 2,244,840
125: 2,244,801
270— 94: 2,245,348
271— 2.1: 2,245,472
2.3: 2,245,240
46: 2,245,396
272— 57: 2,245,027

272— 58: 2,245,331
273— 65: 2,245,115
106.5: 2,245,187
131: 2,244,762
138: 2,245,156
274— 17: 2,245,164
275— 2: 2,244,987
279— 112: 2,245,384
280— 11.13: 2,245,319
11.30: 2,244,719
15: 2,244,923
87: 2,244,853
106: 2,245,542
153: 2,244,896
281: 2,244,709
281— 44: 2,245,228
282— 5: 2,245,524
20: Re.21,822
22: 2,245,046
29: 2,244,819
283— 66: 2,244,908
285— 2: 2,244,939
49: 2,245,430
71: 2,245,037
2,245,101
90: 2,245,153
2,245,154
145: 2,245,419
174: 2,245,151
286.5: 2,245,281
11: 2,245,106
2,245,474
2,245,475
34: 2,245,007
287— 52: 2,244,818
58: 2,244,790
90: 2,245,427
290— 17: 2,245,083
55: 2,245,264
292— 263: 2,244,949
293— 55: 2,244,898
294— 15: 2,244,988
83: 2,245,270
87: 2,245,071
296— 97: 2,244,959
299— 9: 2,245,041
107.5: 2,244,874
301— 5: 2,245,444
37: 2,244,913
303— 21: 2,245,424
54: 2,244,942
2,244,966
304— 5: 2,244,963
17: 2,245,223
308— 41: 2,245,323
65: 2,245,378
71: 2,244,734
233: 2,245,196
237: 2,245,084
309— 45: 2,245,386
311— 21: 2,244,861
27: 2,245,120
312— 6: 2,244,887
27: 2,245,526
35: 2,245,372
36: 2,245,371
37: 2,244,833
111: 2,245,026
144: 2,244,679
156: Re.21,825
183: 2,244,950

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Re.21,822: 282— 20
2,244,663: 129— 23
2,244,673: 164— 68
2,244,684: 166— 2
2,244,685: 252—311.5
2,244,693: 81— 67
2,244,705: 252— 57
2,244,720: 250— 27.5
2,244,738: 240— 7.4
2,244,743: 24—205.5
2,244,748: 250— 158
2,244,793: 110— 47
2,244,837: 260— 594
2,244,875: 180— 62
2,244,879: 34— 224
2,244,882: 103— 37
2,244,969: 128— 218
2,244,980: 43— 35
2,245,006: 103— 233
2,245,010: 103— 233
2,245,046: 282— 22
2,245,052: 252— 100
2,245,085: 219— 38
2,245,091: 70— 304
2,245,100: 106— 30
2,245,104: 106— 308
2,245,112: 259— 8
2,245,121: 5— 71
2,245,126: 248— 339
2,245,204: 4— 134
2,245,228: 281— 44
2,245,233: 106— 179
2,245,283: 238— 8
2,245,292: 260— 295
2,245,297: 106— 59
2,245,316: 24— 263
2,245,328: 132— 19
2,245,407: 153— 32
2,245,422: 174— 65
2,245,450: 56— 25
2,245,482: 75— 125
2,245,499: 106— 128
2,245,520: 260— 277
2,245,524: 282— 5
2,245,532: 24— 71
2,245,540: 139— 425
2,245,548: 260— 464

U. S. GOVERNMENT PRINTING OFFICE: 1941

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Accessories Corporation, Gastonia, N. C. Oil filter cartridges. Serial No. 441,459; June 17. Class 23.
Aircraft Publications. (See Thorp, Charles E.)
American Dairy Cattle Club, The, Chicago, Ill. Newsletters. Serial Nos. 440,569–70; June 17. Class 38.
American Features, Inc., Hollywood, Calif. Dolls, checker-boards and movable pieces, toy building blocks, and cartoon cut-out toys. Serial No. 429,084; June 17. Class 22.
American Mills Company of New York, The, West Haven, Conn. Elastic thread and strands both covered and uncovered. Serial No. 441,846; June 17. Class 43.
American Molded Products Co., Chicago, Ill. Golf tees. Serial No. 443,318; June 17. Class 22.
American Phenolic Corporation, Chicago, Ill. Synthetic resins. Serial No. 430,937; June 17. Class 1.
Arkush, Sidney J., doing business as Madame Marva Products Co., St. Louis, Mo. Hair coloring. Serial No. 442,477; June 17. Class 6.
Audio Devices, Inc., New York, N. Y. Sound recording devices and accessories. Serial No. 439,793; June 17. Class 36.
Aurora Laboratories, Inc., Chicago, Ill. Medicinal preparation useful in the treatment of distemper in dogs. Serial No. 442,346; June 17. Class 6.
B. & T. Floor Company, The, Columbus, Ohio. Strips of shims of composition material used for building up lightweight floor and wall coverings. Serial No. 442,023; June 17. Class 12.
Bachmann, Robert A., doing business as Bach Products Co., New York, N. Y. Lubricating jelly for anatomical, clinical, gynecological use. Serial No. 441,758; June 17. Class 6.
Baker Manufacturing Company, Sioux City, Iowa. Overalls, coveralls, and work shirts. Serial No. 442,348; June 17. Class 39.
Benzocarb Co., The, Baltimore, Md. Ointment to be applied externally for the relief of exzema and exzematous conditions. Serial No. 442,480; June 17. Class 6.
Billups Petroleum Company, Jackson, Greenwood, Clarksdale, Indianola, Belzoni, Columbus, Columbia, Gulfport, Itta Bena, Natchez, and Durant, Miss.; Lake Charles, New Iberia, New Orleans, Jennings, Opelousas, Eunice, Franklin, Alexandria, Amite, and Hammond, La.; and Memphis, Tenn. Fuel, gasoline, and illuminating oil, etc. Serial No. 441,012; June 17. Class 15.
Blair Corset Company, Chicago, Ill. Detachable crotch members for use with women's panty girdles. Serial No. 433,373; June 17. Class 39.
Bradford Motor Works, Bradford, Pa. Plain and valved oil well plungers. Serial No. 441,344; June 17. Class 23.
Brasci, Joe, doing business as Joe Brasci & Co., Los Angeles, Calif. Preparation for eradicating Johnson grass and roots. Serial No. 442,350; June 17. Class 6.
California Sunset Products Co. (See Venza, Joseph.)
California Texas Oil Company, Limited, New York, N. Y. Paint and varnish thinners. Serial No. 438,037; June 17. Class 16.
Campana Sales Company, Batavia, Ill. Bath powders, bath crystals, talcum powders, sachets, etc. Serial No. 443,069; June 17. Class 6.
Carter, William, Company, The, Needham Heights, Mass. Women's undergarments. Serial No. 441,945; June 17. Class 39.
Chemurgic Corporation, Richmond, Calif. Insecticides. Serial No. 442,518; June 17. Class 6.
Chemurgic Corporation, Richmond, Calif. Insecticides. Serial No. 443,115; June 17. Class 6.
Clark, J. Reuben, Jr., Grantsville, Utah. Dressed poultry. Serial No. 436,921; June 17. Class 46.
Cohn & Rosenberger, Inc., New York, N. Y. Necklaces, and bracelets, finger rings, earrings, etc. Serial No. 442,029; June 17. Class 28.
Cowan, Louis G., Chicago, Ill. Scripts for a series of radio broadcasts. Serial No. 442,485; June 17. Class 38.
Delvino Grape Products Co. Inc., New York, N. Y. Wines. Serial No. 427,969; June 17. Class 47.
Difco Laboratories Incorporated, Detroit, Mich. Pharmaceutical preparation. Serial No. 441,569; June 17. Class 6.
Drug Products Co., Inc., The, Long Island City, N. Y. Vitamin K synthetic substance in water for intravenous, intramuscular or subcutaneous use. Serial No. 433,186; June 17. Class 6.
Du Pont Film Manufacturing Corporation, New York, N. Y. Sensitized photographic film. Serial No. 440,744; June 17. Class 26.
Du Pont Film Manufacturing Corporation, New York, N. Y. Sensitized photographic film. Serial No. 440,856; June 17. Class 26.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Adhesive or binding tape. Serial No. 442,831; June 17. Class 5.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic prints and enlargements. Serial No. 442,837; June 17. Class 38.
Economy Mills, Lubbock, Tex. Poultry feeds. Serial No. 441,903; June 17. Class 46.
Ecusta Paper Corporation, Pisgah Forest, N. C. Cigarette paper. Serial No. 441,814; June 17. Class 8.
Elgin Windmill Company, Elgin, Ill. Windmills, pump jacks, galvanized steel towers, etc. Serial No. 426,645; June 17. Class 23.
Fair, The, Chicago, Ill. Underwear. Serial No. 441,955; June 17. Class 39.
Falcone, Anthony, Newark, N. J. Nail enamel. Serial No. 443,248; June 17. Class 6.
Francisco, Wallace E., doing business as Francisco Laboratory, Los Angeles, Calif. Motor fuels. Serial No. 440,684; June 17. Class 15.
French, Thomas, & Sons, Ltd., New York, N. Y. Woven ladder web for Venetian blinds. Serial No. 442,316; June 17. Class 40.
Geyser Quality Popcorn Company. (See Wheeler, Harvey C.)
Glascot, Wm. H., & Co., Michigan City, Ind. Skin ointment. Serial No. 428,987; June 17. Class 6.
Griffith Laboratories, Inc., The, Chicago, Ill. Powdered product containing essentially debittered soya bean grits, and without corn grits. Serial No. 442,751; June 17. Class 46.
Grumette, Murray, doing business as Murray Grumette Co., Brooklyn, N. Y. Puzzle and puzzle games. Serial No. 441,820; June 17. Class 22.
Hause Valve Company, Wichita, Kan., and Montpelier, Ohio. Pumps. Serial No. 440,814; June 17. Class 23.
Hopp Press, Incorporated, The, New York, N. Y. Laminated printed sheets and printed matter. Serial No. 439,389; June 17. Class 38.
Hill Distributing Company, The, Columbus, Ohio. Wines. Serial Nos. 440,935–6; June 17. Class 47.
House of Herbs, Inc., Canaan, Conn. Hair rinse. Serial No. 442,491; June 17. Class 6.
Investo Company, Los Angeles, Calif. Liquid filters and parts thereof. Serial No. 443,329; June 17. Class 31.
Jayne, D., & Son, Inc., Philadelphia, Pa. Medicinal preparations comprising vitamins and iron. Serial No. 442,556; June 17. Class 6.
Johara, Inc., Chicago, Ill. Ladies' dresses, coats, outer skirts, etc. Serial No. 441,703; June 17. Class 39.
Johnson-March Corporation, The, New York, N. Y. Wetting agent for use in wetting of dust. Serial No. 441,913; June 17. Class 6.
June Bride Products Company. (See Kawerk, Roch D.)
Kawerk, Roch D., doing business as Victory Chemical Co., Birmingham, Ala. Salve useful in the treatment of head and chest colds, etc. Serial No. 441,577; June 17. Class 6.
Kawerk, Roch D., doing business as June Bride Products Company, Birmingham, Ala. White shoe cleaner. Serial No. 442,322; June 17. Class 4.
La Rosa, V., & Sons, Inc., Brooklyn, N. Y. Butter, macaroni products, noodles, and pastina, etc. Serial No. 439,200; June 17. Class 46.
Lentheric, Incorporated, New York, N. Y. Vanity cases containing rouges. Serial No. 443,196; June 17. Class 6.
Lewis & Locke, Inc., New York, N. Y. Leather gloves. Serial No. 440,867; June 17. Class 39.
Liebel-Flarsheim Company, The, Cincinnati, Ohio. Generator of ultra-violet and infra-red rays. Serial No. 440,603; June 17. Class 44.
Lone Star Roofing Company, Houston, Tex. Asphalt composition roofing. Serial No. 440,256; June 17. Class 12.
Lustig, Lilly, New York, N. Y. Protective garments made of Cellophane, paper, and textiles. Serial No. 436,350; June 17. Class 39.
Macy, R. H., & Co., Inc., New York, N. Y. Cosmetic lotions. Serial No. 442,633; June 17. Class 6.
Madame Marva Products Co. (See Arkush, Sidney J.)
Madelaine, Inc., Newark, N. J. Under arm and body liquid spray deodorant. Serial Nos. 438,696–7; June 17. Class 6.
Maltine Company, The, New York, N. Y. Pharmaceutical preparation. Serial No. 433,166; June 17. Class 6.
Marshall-Wells Company, Duluth, Minn. Bit braces, hack saw frames, tinner snips, etc. Serial No. 441,585; June 17. Class 23.
Merdinger, Irving M., New York, N. Y. Upholstery and spot cleaners, and soap and cleaning compounds. Serial No. 440,992; June 17. Class 4.
Metz, Reuben, Chicago, Ill. Bowling shoes. Serial No. 440,870; June 17. Class 39.

Mott Carton & Paper Co., St. Louis, Mo. Food product, namely—a frozen confection. Serial Nos. 438,891–2; June 17. Class 46.
Northam Warren Corporation, Stamford, Conn. Nail polish and nail polish remover. Serial No. 442,455; June 17. Class 6.
Oliver Tire & Rubber Company, Oakland, Calif. Compounded rubber preparation. Serial No. 443,262; June 17. Class 35.
Oneida Paper Products, Inc., New York, N. Y. Bags of paper, glassine, Cellophane, and the like. Serial No. 412,040; June 17. Class 2.
Orbitex, Inc., New York, N. Y. Hosiery and underwear and neckties. Serial No. 441,362; June 17. Class 39.
Parker Pen Company, The, Janesville, Wis. Writing ink. Serial No. 442,426; June 17. Class 11.
Piedmont Cotton Mills, Egan, Ga. Cotton twine. Serial No. 442,207; June 17. Class 7.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat cereal. Serial No. 442,563; June 17. Class 46.
Pillsbury Flour Mills Company, Minneapolis, Minn. Rye flour. Serial No. 442,564; June 17. Class 46.
Pitts, Chandler R., doing business as The Pitts Laboratories, Hurlock, Md. Poultry solution. Serial No. 442,368; June 17. Class 6.
Pure Cheese Corporation, Chicago, Ill. Pasteurized cheese. Serial No. 423,574; June 17. Class 46.
Purepac Corporation, New York, N. Y. Medicinal mineral oil. Serial No. 442,073; June 17. Class 6.
Reeves, B. M., Co., Inc., New York, N. Y. Olives. Serial No. 442,283; June 17. Class 46.
Revlon Products Corporation, New York, N. Y. Enamel adapted for coating finger nails and lipsticks. Serial Nos. 441,108–9; June 17. Class 6.
Rishwain Brothers, Stockton, Calif. Food products, namely—coffee, tomato catsup, and salt. Serial No. 427,677; June 17. Class 46.
Robinson Clay Product Company, The, Akron, Ohio. Sewer pipes fabricated from clay compounds. Serial No. 442,335; June 17. Class 12.
Robertson, John, & Son Limited, Dundee, Scotland. Scotch whisky. Serial No. 395,721; June 17. Class 49.
Roxalin Flexible Lacquer Company, Elizabeth, N. J. Aluminum powder in dry and paste form, aluminum mixing lacquers and varnishes and thinners therefor. Serial No. 439,831; June 17. Class 16.
Ryerson, Joseph T., & Son, Inc., Chicago, Ill. Alloy steel. Serial No. 442,287; June 17. Class 14.
St. Denis Toiletries, Inc., New York, N. Y. Eau de cologne, perfume, dusting powder, talcum powder, etc. Serial Nos. 441,981–2; June 17. Class 6.
Schafer Co., The, Decatur, Ind. Gloves made of leather and/or fabric. Serial No. 436,320; June 17. Class 39.
Schoppe, H., & Schultz, Hamburg, Germany. Preparation used in the manufacture of ice cream as a binding agent. Serial No. 442,731; June 17. Class 46.
Schuckl & Co., Inc., doing business as Sunnyvale Packing Co., San Francisco, Calif. Canned baked beans. Serial No. 441,880; June 17. Class 46.
Schuckl & Co., Inc., doing business as Sunnyvale Packing Co., San Francisco, Calif. Canned brown bread. Serial No. 441,881; June 17. Class 46.
Sheehan, James W., Santa Monica, Calif. Rivet sets, dimpling tools, riveting yokes, etc. Serial No. 439,210; June 17. Class 23.
Sherwin-Williams Company, The, Cleveland, Ohio. Lacquer and varnishes. Serial No. 442,499; June 17. Class 16.
Snyder, Chas., Co., Inc., Salinas, Calif. Fresh vegetables. Serial No. 442,216; June 17. Class 46.
Spaulding-Moss Company, Boston, Mass. Blue prints, Van Dyke prints, direct positive prints, etc. Serial No. 442,639; June 17. Class 38.
Spink, Charles C., & Son. (See Sporting News Publishing Company).
Sporting News Publishing Company, The, doing business as Charles C. Spink & Son, St. Louis, Mo. Newspaper column. Serial Nos. 442,672–3; June 17. Class 38.
Stark Bros. Ribbon Corporation, New York, N. Y. Textile ribbons manufactured from silk, rayon, and combinations of silk, rayon, cotton and tinsel. Serial No. 442,180; June 17. Class 42.
Sterner, Mauritz A., Forest Hills, N. Y. Beach blankets made from paper. Serial No. 436,823; June 17. Class 37.
Stetson, John B., Company, Philadelphia, Pa. Hats for men, women, and children. Serial No. 440,103; June 17. Class 39.
Sunnyvale Packing Co. (See Schuckl & Co., Inc.)
Swedish Steel Mills' A. A., Inc., New York, N. Y. Steels used for tools. Serial No. 441,492; June 17. Class 14.
Swift and Company, Chicago, Ill. Glue. Serial No. 443,438; June 17. Class 5.
Thorp, Charles E., doing business as Aircraft Publications, New York, N. Y. Encyclopedia and directory published annually. Serial No. 442,857; June 17. Class 38.
Time, Incorporated, New York, N. Y. Weekly magazine. Serial Nos. 442,501–3; June 17. Class 38.
Union Bag & Paper Corporation, New York, N. Y. Paper bags. Serial No. 441,527; June 17. Class 2.
United Knitwear, Incorporated, Cincinnati, Ohio. Sweaters, polo shirts, leather coats, etc. Serial No. 441,116; June 17. Class 39.
Venza, Joseph, doing business as California Sunset Products Co., New York, N. Y. Wines. Serial No. 441,528; June 17. Class 47.
Victory Chemical Co. (See Kawerk, Roch D.)
Virginia Lens Company, Inc., Petersburg, Va. Ophthalmic lenses. Serial No. 441,890; June 17. Class 26.
Vistem Corporation, New York, N. Y. Posting trays, desks, file cabinets, etc. Serial No. 442,644; June 17. Class 32.
Wells-Lamont-Smith Corporation, Chicago, Ill. Women's rubberized gloves. Serial No. 442,581; June 17. Class 39.
West, Earl C., Mora, Minn. Dental plate cleaners. Serial No. 442,814; June 17. Class 4.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermostats for electrical circuits. Serial No. 433,041; June 17. Class 26.
Wheeler, Harvey C., doing business as Geyser Quality Popcorn Company, Miami, Fla. Popcorn vending machines. Serial No. 441,222; June 17. Class 23.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Dental equipment stands. Serial No. 443,101; June 17. Class 44.
Wilbur-Suchard Chocolate Company, Inc., Lititz, Pa. Candy—namely, chocolate bars. Serial No. 441,718; June 17. Class 46.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Sedative expectorant. Serial No. 442,380; June 17. Class 6.
Zenith Radio Corporation, Chicago, Ill. Radio and television receiving sets and parts thereof. Serial No. 440,274; June 17. Class 21.

LIST OF REGISTRANTS OF TRADE-MARKS

Abell, Henry C., Asbury Park, N. J. Lock nuts. 388,239: June 17; Serial No. 439,006; published Apr. 8, 1941. Class 13.
Addressograph Company, Chicago, Ill., assignor, by mesne assignments, to Addressograph-Multigraph Corporation, Cleveland, Ohio. Machines for printing addresses and other matter. 147,447; renewed Oct. 18, 1941.
Algro Knitting Mills Inc., Milltown, N. J. Knitted fabrics. 388,289; June 17; Serial No. 440,304; published Apr. 8, 1941. Class 42.
Altorfer Bros. Company, Peoria, Ill. Laundry washing machines. 388,318; June 17; Serial No. 440,768; published Apr. 1, 1941. Class 24.
American Breddo Corporation, New York, N. Y. Bread improver. 388,194; June 17; Serial No. 430,711; published Apr. 8, 1941. Class 46.
American Features, Inc., Hollywood, Calif. Cartoon cut-out game. 388,192; June 17; Serial No. 429,590; published Apr. 8, 1941. Class 22.
American Lead Pencil Company, New York, N. Y., to American Lead Pencil Company, Hoboken, N. J. Lead-pencils. 141,837; renewed May 3, 1941.
American Tissue Mills, Holyoke, Mass. Paper plates. 388,215; June 17; Serial No. 437,889; published Apr. 8, 1941. Class 2.
Americans Own Packing Co., New York, N. Y. Pickles. 388,185; June 17; Serial No. 425,974; published Apr. 8, 1941. Class 46.
Ampro Corporation, Chicago, Ill. Motion picture machines, and equipment, apparatus, and accessories relating thereto. 388,231; June 17; Serial No. 438,641; published Apr. 8, 1941. Class 26.
Anderson Box Company, Indianapolis, Ind. Electric hover brooders. 388,351; June 17. Class 50.
Andrus-Scofield Company, The, Columbus, Ohio. Coffee, tea, spices, etc. 145,598; renewed Aug. 16, 1941.
Ardross Worsted Co., The, Frankford, Pa., and New York, N. Y., to The Ardross Worsted Co., Philadelphia, Pa. Worsteds in the piece. 147,539; renewed Oct. 25, 1941.
Armand Company, The, Des Moines, Iowa. Face powder. 388,325; June 17; Serial No. 440,902; published Apr. 8, 1941. Class 6.
Armour and Company, doing business as Armour Creameries, Chicago, Ill. Powdered whole eggs, egg whites, and egg yolks. 388,281; June 17; Serial No. 440,141; published Apr. 8, 1941. Class 46.
Armour and Company of Delaware. (See Morris, Nelson, & Co.)
Armstrong Products Corporation, Huntington, W. Va. Electric ironing machines. 388,197; June 17; Serial No. 433,206; published Aug. 20, 1940. Class 24.
Aroostook Potato Growers, Inc., Presque Isle, Maine. Potatoes. 388,237; June 17; Serial No. 438,919; published Apr. 8, 1941. Class 46.

Bailey Meter Company, Cleveland, Ohio. Time electric impulse telemetering systems and apparatus, etc. 388,216; June 17; Serial No. 437,890; published Apr. 8, 1941. Class 26.
Bailey Meter Company, Cleveland, Ohio. Measuring and controlling systems and apparatus for temperature, etc. 388,235; June 17; Serial No. 438,828; published Apr. 8, 1941. Class 26.
Bailey, Truman, New York, N. Y. Rayon and cotton piece goods. 388,191; June 17; Serial No. 429,165; published Apr. 8, 1941. Class 42.
Bak-Kraft Corporation, Ltd., Los Angeles, Calif. Bakery products. 388,220; June 17; Serial No. 438,108; published Apr. 8, 1941. Class 46.
Bardco Manufacturing & Sales Company, Los Angeles, Calif. Electrical generators, motors, and voltage regulators. 388,208; June 17; Serial No. 436,989; published Apr. 8, 1941. Class 21.
Bates Manufacturing Company, Augusta, Maine. Sheets and pillow cases. 388,340; June 17. Class 42.
Bellamy Ice Cream Company, Inc., Norfolk, Va. Ice cream. 388,356; June 17. Class 46.
Bierbower, George L., Knierim, Iowa. Preparation for sinus and head colds. 388,206; June 17; Serial No. 435,004; published Apr. 8, 1941. Class 6.
Binns, Ruth, Chicago, Ill. Underwear. 388,264; June 17; Serial No. 439,854; published Apr. 8, 1941. Class 39.
Blatz, Val, Brewing Company, Milwaukee, Wis., by change of name to Blatz Brewing Company. Non-alcoholic near beer, malt tonic, etc. 146,388; renewed Sept. 6, 1941.
Blish Milling Company, Seymour, Ind. Flour. 388,223; June 17; Serial No. 438,430; published Apr. 8, 1941. Class 46.
Blue Moon Foods, Inc., Thorp, Wis. Cheese spread. 388,282; June 17; Serial No. 440,143; published Apr. 8, 1941. Class 46.
Borden Company, The, New York, N. Y. Evaporated milk. 388,196; June 17; Serial No. 431,757; published Apr. 8, 1941. Class 46.
Borden Company, The, New York, N. Y. American cheese. 388,254; June 17; Serial No. 439,570; published Apr. 8, 1941. Class 46.
Borden Company, The, New York, N. Y. Dry powdered synthetic resin plastic adhesive. 388,311; June 17; Serial No. 440,540; published Apr. 8, 1941. Class 5.
Botany Worsted Mills, Passaic, N. J. Woolen and worsted piece goods. 388,261; June 17; Serial No. 439,770; published Apr. 8, 1941. Class 42.
Bryson, A. Earl, Winnetka, Ill. Indoor polo game. 388,329; June 17; Serial No. 441,081; published Apr. 8, 1941. Class 22.
Butler, Clifford E., Waterloo, Iowa. Clamp and bar assemblies. 388,217; June 17; Serial No. 437,936; published Apr. 8, 1941. Class 23.
Campbell, Herbert, doing business as The Herbert Campbell Company, Scottsbluff, Nebr. Potatoes. 388,260; June 17; Serial No. 439,749; published Apr. 8, 1941. Class 46.
Campbell Remedy Co. (See Osterloh, A. F., Jr.)
Carlisle, Kitty, New York, N. Y. Phonograph records. 388,338; June 17. Class 36.
Celanese Corporation of America, New York, N. Y. Piece goods. 388,293–7; June 17; Serial Nos. 440,362–6; published Apr. 8, 1941. Class 42.
Celanese Corporation of America, New York, N. Y. Piece goods. 388,306; June 17; Serial No. 440,443; published Apr. 8, 1941. Class 42.
Celanese Corporation of America, New York, N. Y. Piece goods. 388,307; June 17; Serial No. 440,445; published Apr. 8, 1941. Class 42.
Century Engineering Corporation, Cedar Rapids, Iowa. Water heaters and parts thereof. 388,179; June 17; Serial No. 403,165; published Apr. 8, 1941. Class 34.
Chase & Sanborn, Boston, Mass., assignor to Standard Brands Incorporated, New York, N. Y. Coffee. 147,463; renewed Oct. 18, 1941.
Chemical Products Co., The. (See Schiff, Jakob L.)
Cleaning Specialists Co. (See Weiss, Max.)
Cobblers, Inc., Los Angeles, Calif. Footwear. 388,210; June 17; Serial No. 437,123; published Apr. 8, 1941. Class 39.
Columbia Recording Corporation, New York, N. Y. Phonograph records and record blanks. 388,352; June 17. Class 36.
Conlin & Smith, Inc., New York, N. Y. Beach sandals and shoes. 388,283; June 17; Serial No. 440,156; published Apr. 8, 1941. Class 39.
Cosmopolitan Manufacturing Company, Cambridge, Mass. Men's overcoats, raincoats, and sport jackets. 388,207; June 17; Serial No. 436,959; published Apr. 8, 1941. Class 39.
Cowles Detergent Company, The, Cleveland, Ohio. Crystalline alkali silicate. 388,273; June 17; Serial No. 440,043; published Apr. 8, 1941. Class 6.
Cribari, B., & Sons, New York, N. Y. Wines. 388,236; June 17; Serial No. 438,807; published Apr. 8, 1941. Class 47.
Crompton Company, West Warwick, R. I. Fabrics in the piece. 388,290; June 17; Serial No. 440,315; published Apr. 8, 1941. Class 42.
Crompton Company, West Warwick, R. I. Fabrics in the piece. 388,298; June 17; Serial No. 440,369; published Apr. 8, 1941. Class 42.
Crucible Steel Company of America, Pittsburgh, Pa., to Crucible Steel Company of America, New York, N. Y. Steel bars, rods, billets, etc. 145,067; renewed July 26, 1941.
Davidson Manufacturing Corporation, Chicago, Ill. Gum arabic solution. 388,308; June 17; Serial No. 440,458; published Apr. 8, 1941. Class 6.
Dazian's, Inc., New York, N. Y. Velours in the piece and in short lengths. 388,269; June 17; Serial No. 439,994; published Apr. 8, 1941. Class 42.
De Luxe Candy Co. (See Passaglia, Domenick.)
Dermott, Incorporated, Chicago, Ill. Hair creams. 388,203; June 17; Serial No. 435,241; published Apr. 8, 1941. Class 6.
Diamond Wire & Cable Co., Chicago Heights, Ill. Elements for gripping and eliminating undue strains from insulated electric wires. 388,348; June 17. Class 21.
Diversey Corporation, The, Chicago, Ill. Acid scale solvent in liquid form. 388,267; June 17; Serial No. 439,929; published Apr. 8, 1941. Class 6.
Donahue, A. J., Corporation, The, Milford, Conn. Pads used in permanent waving. 388,312; June 17; Serial No. 440,545; published Apr. 8, 1941. Class 44.
Fairhope Fabrics, Inc., doing business as Granite Looms, Fall River, Mass. Lace net curtains and piece goods. 388,247; June 17; Serial No. 439,479; published Apr. 8, 1941. Class 42.
Feist Fabrics, Inc., New York, N. Y. Fabrics in the piece. 388,291; June 17; Serial No. 440,327; published Apr. 8, 1941. Class 42.
Feldman, Boris, New York, N. Y. Lipstick, rouge, face powder, etc. 388,201; June 17; Serial No. 434,361; published Mar. 25, 1941. Class 6.
Finger Lakes Chemical Company, Inc., Ithaca and Etna, N. Y. Detergents (cleaning, water softening, etc.). 388,232; June 17; Serial No. 438,795; published Apr. 8, 1941. Class 4.
Flexible Steel Lacing Company, Chicago, Ill. Fasteners, nuts, and clips, etc. 388,218; June 17; Serial No. 438,004; published Apr. 8, 1941. Class 13.
Flory Milling Company, Inc., Bangor, Pa. Scratch feed and laying mash. 388,265; June 17; Serial No. 439,863; published Apr. 8, 1941. Class 46.
Fritz Publications, Inc., Chicago, Ill. Annual publication consisting of an index, etc., and an engineering handbook. 388,350; June 17. Class 38.
Gamble Stores Incorporated, Minneapolis, Minn. Flashlight battery cells. 388,341; June 17. Class 21.
General Ceramics Company, New York, N. Y. Chinaware ornamental boxes. 388,199; June 17; Serial No. 433,709; published Apr. 8, 1941. Class 30.
General Tire and Rubber Company, The, Akron, Ohio. Pneumatic tires. 388,202; June 17; Serial No. 435,165; published Apr. 8, 1941. Class 35.
Gilmore Oil Company, Los Angeles, Calif. Storage batteries. 388,349; June 17. Class 21.
Goldenberg, Charles, New York, N. Y. Men's, children's, and women's clothing. 388,240; June 17; Serial No. 439,021; published Apr. 8, 1941. Class 39.
Gordon Maid Skirt Company, Inc., Boston, Mass. Slacks, washable suits, blouses, sport dresses, etc. 388,255; June 17; Serial No. 439,594; published Apr. 8, 1941. Class 39.
Gottfried Baking Company, Inc., New York, N. Y. Bread. 388,292; June 17; Serial No. 440,332; published Apr. 8, 1941. Class 46.
Granite Looms. (See Fairhope Fabrics, Inc.)
Great Western Sugar Company, The, Denver, Colo. Sugar. 388,246; June 17; Serial No. 439,411; published Apr. 8, 1941. Class 46.
Grobet File Corp. of America, New York, N. Y. Files, engraving tools, pliers, and tweezers. 388,358; June 17. Class 23.
Heffenreffer & Co., Inc. (See New England Brewing Company, assignor.)
Hall, Walter T., & Co., Ottumwa, Iowa. Candy. 147,618; renewed Oct. 25, 1941.
Harlequin Corporation, The, New York, N. Y. Ophthalmic mountings and lenses and parts thereof. 388,286; June 17; Serial No. 440,248; published Apr. 8, 1941. Class 26.
Heitz, Bruno, Waterbury, Conn. Towel. 388,204; June 17; Serial No. 435,295; published Apr. 8, 1941. Class 42.
Hercules Powder Company, Wilmington, Del. Dynamites. 388,347; June 17. Class 9.
Hershel California Fruit Products Co., San Jose, Calif. Canned tomatoes, tomatoes with sauce, and tomato paste, etc. 388,187; June 17; Serial No. 428,233; published Apr. 8, 1941. Class 46.
Horni, Paul P., New York, N. Y. Rotatably driven registers for recording on a movable web from electrical impulses. 388,333; June 17. Class 21.
Huth & James Shoe Co., Milwaukee, Wis. Shoes. 388,233; June 17; Serial No. 438,804; published Apr. 8, 1941. Class 39.
Ice Cream Securities Company, San Francisco, Calif. Ice cream and sherbet. 388,195; June 17; Serial No. 431,651; published Apr. 8, 1941. Class 46.

Imperial Brass Manufacturing Co., The, Chicago, Ill. Dehydrators, cartridge dehydrators, sealed-end dehydrators, dehydrators with dispersion tubes, etc. 388,310; June 17; Serial No. 440,511; published Apr. 8, 1941. Class 31.

Independent Pneumatic Tool Co., Chicago, Ill. Pneumatically actuated rock drills, comprising hand-held sinkers, mounted drifters. 388,357; June 17. Class 23.

Industrial Tape Corporation, New Brunswick, N. J. Pressure-sensitive adhesive tapes. 388,238; June 17; Serial No. 438,986; published Apr. 8, 1941. Class 5.

Jewel Paint & Varnish Co., Chicago, Ill. Paints, varnishes, and paint enamels. 388,270; June 17; Serial No. 440,008; published Apr. 8, 1941. Class 16.

K-D Manufacturing Company, Lancaster, Pa. Hack-saw frames, hack-saw blades, hammers, etc. 388,229; June 17; Serial No. 438,619; published Apr. 8, 1941. Class 23.

Kee Lox Manufacturing Company, Rochester, N. Y. Carbon papers and typewriter ribbons. 388,211–12; June 17; Serial Nos. 437,384–5; published Apr. 1, 1941. Class 11.

Kent Stores of Washington, Inc., Washington, D. C. Preparation for treating fabrics. 388,189; June 17; Serial No. 428,876; published Apr. 23, 1940. Class 6.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 388,314; June 17; Serial No. 440,635; published Apr. 8, 1941. Class 40.

Knight Packing Company, Portland, Oreg. Bottled cherries, onions, mustard, etc. 388,209; June 17; Serial No. 437,092; published Apr. 8, 1941. Class 46.

Koser, Frank J., assignor to Flourence L. Koser, Watertown, Wis. Bakery products. 388,188; June 17; Serial No. 428,359; published Apr. 8, 1941. Class 46.

Lantz, Brice H., doing business as Lantz Mfg. Co., Valparaiso, Ind. Farm implements. 388,353; June 17. Class 23.

Lederle Laboratories, Inc., New York, N. Y. Pharmaceutical preparations. 388,274; June 17; Serial No. 440,049; published Apr. 8, 1941. Class 6.

Le Val Filter Co., Chicago, Ill. Filters and filter stones. 388,258; June 17; Serial No. 439,720; published Apr. 8, 1941. Class 31.

Levinson, B. A., Incorporated, New York, N. Y. Textile fabrics in the piece. 388,284; June 17; Serial No. 440,168; published Apr. 8, 1941. Class 42.

Liberty Orchards Company, Cashmere, Wash. Candy. 146,802; renewed Sept. 20, 1941.

Linsk, Harry J., assignor to H. Linsk & Co., Inc., Philadelphia, Pa. Dresses. 147,350; renewed Oct. 11, 1941.

Linsky, M. A., Los Angeles, Calif. Extruded aluminum alloy mouldings, extruded brass mouldings, and rolled aluminum and stainless steel mouldings. 388,234; June 17; Serial No. 438,807; published Apr. 8, 1941. Class 14.

Lissar Compañia Incorporada, San Pedro Makati, P. I. Toilet soaps and laundry soaps. 388,343; June 17. Class 4.

Lissar Compañia Incorporada, San Pedro Makati, P. I. Perfumes, skin lotions, hair tonics, etc. 388,344; June 17. Class 6.

Marker Products Co., The, New York, N. Y. Chemicals for treating textile fibres. 388,330; June 17; Serial No. 441,100; published Apr. 8, 1941. Class 6.

Marshall, Meadows & Stewart, Inc., Auburn, N. Y. Shoes. 388,190; June 17; Serial No. 429,100; published Apr. 8, 1941. Class 39.

Martin-Senour, The, Company, Cleveland, Ohio. Paints, ready-mixed paste and dry varnishes, lacquers, etc. 388,340; June 17. Class 16.

Mason and Hughes, Clarksville, Tenn. Work shirts, work pants, work jackets, and overalls. 388,198; June 17; Serial No. 432,481; published Apr. 8, 1941. Class 39.

Master Rule Mfg. Co. Inc., New York, N. Y. Rules, folding rules, and extension rules. 388,249; June 17; Serial No. 439,518; published Apr. 8, 1941. Class 26.

May Knitting Co. Inc., New York, N. Y. Swim suits. 388,257; June 17; Serial No. 439,660; published Apr. 8, 1941. Class 39.

Met-L-Top Tables, Inc., Chicago, Ill., and Milwaukee, Wis. Metal ironing tables and ironing table tops. 388,354; June 17. Class 24.

Metallizing Engineering Co. Inc., Long Island City, N. Y. Heat corrosion resistant furnace conveyors. 388,244; June 17; Serial No. 439,292; published Apr. 8, 1941. Class 23.

Mimosa American Corporation, New York, N. Y. Cameras. 388,193; June 17; Serial No. 430,619; published Apr. 8, 1941. Class 26.

Mistele Coal & Coke Company, Detroit, Mich. Bituminous products. 388,342; June 17. Class 1.

Mobile Paint Mfg. Company, Inc., Mobile, Ala. Paint product, namely four-hour enamel. 388,183; June 17; Serial No. 423,770; published July 30, 1940. Class 16.

Mohawk Carpet Mills, Inc., Amsterdam, N. Y. Rugs and carpets. 388,360–1; June 17. Class 42.

Morris, Nelson, & Co., to Armour and Company of Delaware, Chicago, Ill., successor. Beef and hog products. 19,515; re-renewed May 19, 1941.

National Antiseptics, Inc., Seattle, Wash. Therapeutic products comprising amebocides, antiseptics, bactericides, etc. 388,268; June 17; Serial No. 439,971; published Apr. 8, 1941. Class 6.

National Biscuit Company, New York, N. Y. Bakery products. 388,242; June 17; Serial No. 439,117; published Apr. 8, 1941. Class 46.

National Blouse Corporation, New York, N. Y. Women's and girls' blouses and dresses. 388,259; June 17; Serial No. 439,723; published Apr. 8, 1941. Class 39.

Neely, C. L., doing business as Neely Manufacturing Company, Corydon, Iowa. Screen patches. 388,213; June 17; Serial No. 437,692; published Apr. 8, 1941. Class 13.

New Deal Wholesale Grocery Company, Inc., Hamtramck, Mich. Canned fruits, vegetables, wheat flour, and salt. 388,345; June 17. Class 46.

New England Brewing Company, Jersey City, N. J., and Boston, Mass., assignor, by mesne assignments, to Haffenreffer & Co., Inc., Boston, Mass. Concentrated material of malt and hops for making a malt beverage. 147,142; renewed Oct. 4, 1941.

Newton Manufacturing Company, Freeburg, Ill., and St. Louis, Mo. Wearing apparel. 388,184; June 17; Serial No. 423,981; published Jan. 23, 1940. Class 39.

New York Mattress Company, Boston, Mass. Mattresses. 388,299; June 17; Serial No. 440,376; published Apr. 8, 1941. Class 32.

Nichols Products Company, Moorestown, N. J. Mechanical pencils. 388,336; June 17. Class 37.

Northam Warren Corporation, Stamford, Conn. Liquid nail polish. 388,326–7; June 17; Serial Nos. 440,950–1; published Apr. 8, 1941. Class 6.

Norwich Pharmacal Company, The, Norwich, N. Y. Vitamin preparation. 388,323; June 17; Serial No. 440,874; published Apr. 8, 1941. Class 6.

Nulomoline Company, The, New York, N. Y. Syrups and molasses for food purposes, glucose, etc. 145,988; renewed Aug. 23, 1941.

Number One Company. (See Scotland, Bayard S.)

O'Keefe Brothers, Jacksonville, Tex. Vegetables. 388,205; June 17; Serial No. 435,310; published Apr. 8, 1941. Class 46.

Osterloh, A. F., Jr., doing business as Campbell Remedy Co., Los Angeles, Calif. Preparation for the treatment of diseases of nasal, bronchial, and other air passages. 388,331; June 17; Serial No. 441,105; published Apr. 8, 1941. Class 6.

Parke, Davis & Company, Detroit, Mich. Vitamin products for therapeutic administration. 146,833; renewed Sept. 20, 1941.

Passaglia, Domenick, doing business as De Luxe Candy Co., Chicago, Ill. Candy. 388,300; June 17; Serial No. 440,378; published Apr. 8, 1941. Class 46.

Paxton and Gallagher Co., Omaha, Nebr. Canned fruits, vegetables, salmon, etc. 388,221; June 17; Serial No. 438,353; published Apr. 8, 1941. Class 46.

Peerless Steel Equipment Company, Philadelphia, Pa. Steel office furniture. 388,355; June 17. Class 32.

Penney, J. C., Company, New York, N. Y. Shoes and insoles. 388,245; June 17; Serial No. 439,398; published Apr. 8, 1941. Class 39.

Pfeiffer, S., Mfg. Co., St. Louis, Mo. Stomachic compound. 388,313; June 17; Serial No. 440,609; published Apr. 8, 1941. Class 6.

Phillips Screw Company, Wilmington, Del., and Portland, Oreg. Screws. 388,334; June 17. Class 13.

Phosphate Mining Company, The, New York, N. Y. Fertilizers and fertilizer materials. 388,224; June 17; Serial No. 438,449; published Apr. 1, 1941. Class 10.

Phoenix Manufacturing Company, Joliet, Ill. Horse and mule shoes. 388,275; June 17; Serial No. 440,055; published Apr. 8, 1941. Class 3.

Pine Bros., Inc., Philadelphia, Pa. Vitamin food product. 388,230; June 17; Serial No. 438,627; published Apr. 8, 1941. Class 46.

Poggioli, B., & Son, East Vineland, N. J. Canned soups. 388,219; June 17; Serial No. 438,052; published Apr. 8, 1941. Class 46.

Polaroid Corporation, Cambridge, Mass. Glass sheets and laminations of glass sheets. 388,251; June 17; Serial No. 439,553; published Apr. 8, 1941. Class 33.

Procter & Gamble Company, The, Cincinnati, Ohio. Cooking-fats. 147,672; renewed Oct. 25, 1941.

Radel Leather Manufacturing Co., Newark, N. J. Patent-leather. 141,644; renewed Apr. 26, 1941.

Ranney-Davis Mercantile Company, The, Arkansas City, Kans. Canned fruits, vegetables, and fish, etc. 146,597; renewed Sept. 13, 1941.

Rau Fastener Company, Providence, R. I. Garment buckles. 388,301–2; June 17; Serial Nos. 440,381–2; published Apr. 8, 1941. Class 40.

Reeves Bros., Inc., New York, N. Y. Uniforms, suits, and overcoats, etc. 388,248; June 17; Serial No. 439,493; published Apr. 8, 1941. Class 39.

Restemeier, Henry T., doing business as H. T. Restemeier Potato Chip Co., Cleveland, Ohio. Popcorn. 388,181; June 17; Serial No. 420,779; published Oct. 31, 1939. Class 46.

Rivet-O Manufacturing Company, Orange, Mass. Typewriter ribbons, carbon papers, and inks. 388,250; June 17; Serial No. 439,530; published Apr. 8, 1941. Class 11.

Robinson, Theodore H., doing business as Robinson Brothers, Jersey City, N. J. Vegetable peeling machines. 388,280; June 17; Serial No. 440,100; published Apr. 8, 1941. Class 23.

Roseman & Eisenberg, Baltimore, Md. Magnesium silicate suspensions. 388,328; June 17; Serial No. 441,036; published Apr. 8, 1941. Class 6.

Rulane Gas Company, Charlotte, N. C. Liquefied petroleum gases. 388,319; June 17; Serial No. 440,792; published Apr. 8, 1941. Class 6.

Sage, Peggy, Inc., Stamford, Conn. Nail polish. 388,200; June 17; Serial No. 433,904; published Sept. 24, 1940. Class 6.

Sarfert Hosiery Mills, Inc., Philadelphia, Pa. Men's, women's, and children's hose. 388,225; June 17; Serial No. 438,455; published Apr. 8, 1941. Class 39.

Schiff, Jakob L., doing business as The Chemical Products Co, Baltimore, Md. Paint and varnish remover. 388,337; June 17. Class 16.

Schneider, Mitchel, Company, Inc., New York, N. Y. Underwear, pajamas, negligees, and house-coats. 388,243; June 17; Serial No. 439,166; published Apr. 8, 1941. Class 39.

Scientific Nutrition Corporation, Dover, Del. Milk containing vitamins and minerals. 388,252; June 17; Serial No. 439,564; published Apr. 8, 1941. Class 46.

Scotland, Bayard S., doing business as Number One Company, Joliet, Ill. Macaroni. 388,222; June 17; Serial No. 438,405; published Apr. 8, 1941. Class 46.

Scotland, Bayard S., doing business as Number 1 Co., Joliet, Ill. Macaroni. 388,226; June 17; Serial No. 438,458; published Apr. 8, 1941. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Table china. 388,256; June 17; Serial No. 439,636; published Apr. 8, 1941. Class 30.

Sears, Roebuck and Co., Chicago, Ill. Ticking. 143,462; renewed May 31, 1941.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Preparation for correction of metabolic deficiencies. 388,309; June 17; Serial No. 440,475; published Apr. 8, 1941. Class 6.

Shoe Form Co., Inc., Auburn, N. Y. Boxes of Celluloid or similar material. 388,303; June 17; Serial No. 440,391; published Apr. 8, 1941. Class 2.

Smit, J. K., & Sons, Inc., New York, N. Y. Diamond bits. 388,339; June 17. Class 23.

Smith, Alexander, & Sons Carpet Company, Yonkers, N. Y. Carpets and rugs. 388,285; June 17; Serial No. 440,215; published Apr. 8, 1941. Class 42.

Smith, Arthur E., Los Angeles, Calif. Hypodermic syringes, hypodermic needles, instruments, etc. 388,332; June 17; Serial No. 441,113; published Apr. 8, 1941. Class 44.

Smith, Landon P., Inc., Irvington, N. J. Combination mechanical and steaming wall paper removers. 388,253; June 17; Serial No. 439,567; published Apr. 8, 1941. Class 23.

Southern Biscuit Company, Incorporated, Richmond, Va. Biscuit. 388,304; June 17; Serial No. 440,430; published Apr. 8, 1941. Class 46.

Southern Brighton Mills, Shannon, Ga. Artificial silk in the piece. 388,266; June 17; Serial No. 439,909; published Apr. 8, 1941. Class 42.

Southland Wine Corporation, Richmond, Va. Wines. 388,262; June 17; Serial No. 439,783; published Apr. 8, 1941. Class 47.

Spartanburg Canning Co., Spartanburg, S. C. Canned fruits and vegetables. 388,228; June 17; Serial No. 438,556; published Apr. 8, 1941. Class 46.

Stanco Incorporated, New York, N. Y. Salad oil. 388,263; June 17; Serial No. 439,843; published Apr. 8, 1941. Class 46.

Standard Brands Incorporated. (See Chase & Sanborn, assignor.)

Steelduct Company, The, Youngstown, Ohio. Pipes or electric conduits to carry electric wires. 147,695; renewed Oct. 25, 1941.

Stein, A., & Company, Chicago, Ill. Under waists. 388,271; June 17; Serial No. 440,027; published Apr. 8, 1941. Class 39.

Stone, Porter E., Detroit, Mich. Automobile rear view mirrors. 388,276; June 17; Serial No. 440,066; published Apr. 8, 1941. Class 19.

Sunlite Mfg. Company, The, Milwaukee, Wis. Ironing pads. 388,320–1; June 17; Serial Nos. 440,837–8; published Apr. 1, 1941. Class 24.

Swift and Company, Chicago, Ill. Vegetable shortening. 388,214; June 17; Serial No. 437,846; published Apr. 8, 1941. Class 46.

Televator Corporation, The, New York, N. Y. Telephone stands. 388,322; June 17; Serial No. 440,839; published Apr. 8, 1941. Class 32.

Theobold, Harry J., doing business as The Theobold Industries, Kearny, N. J. Shaving cream and laundry and household soap. 388,315–17; June 17; Serial Nos. 440,666–8; published Apr. 8, 1941. Class 4.

Tidy Products Corporation, New York, N. Y. Sleeping garment. 388,277–9; June 17; Serial Nos. 440,069–71; published Apr. 8, 1941. Class 39.

Traub Manufacturing Company, Detroit, Mich. Fingerrings. 146,380; renewed Sept. 6, 1941.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Instruction-books for art needlework. 147,422; renewed Oct. 11, 1941.

Underwood Elliot Fisher Company, New York, N. Y. Typewriter ribbon and carbon paper. 388,180; June 17; Serial No. 417,935; published Apr. 8, 1941. Class 11.

Union Fork & Hoe Company, The, Columbus, Ohio. Shovels and spades. 388,178; June 17; Serial No. 393,400; published Apr. 8, 1941. Class 23.

United Paste & Glue Corp., New York, N. Y. Adhesives—namely, pastes, gums, and glues. 388,324; June 17; Serial No. 440,894; published Apr. 8, 1941. Class 5.

United States Rubber Company, New York, N. Y. Molds. 388,182; June 17; Serial No. 420,920; published Apr. 8, 1941. Class 13.

United States Rubber Company, New York, N. Y. Rubber bathing suits and rubber bathing caps. 388,287; June 17; Serial No. 440,298; published Apr. 8, 1941. Class 39.

Watkins, J. R., Company, The, Winona, Minn. Perfumes, scents, fragrances, cosmetic powder, etc. 388,272; June 17; Serial No. 440,030; published Apr. 8, 1941. Class 6.

Watlow Electric Manufacturing Company, St. Louis, Mo. Electrical equipment. 388,227; June 17; Serial No. 438,461; published Apr. 8, 1941. Class 21.

Wear Drug Co., Murray, Ky. Skin lotion. 388,305; June 17; Serial No. 440,433; published Apr. 8, 1941. Class 6.

Weiss, Max, doing business as Cleaning Specialists Co., Philadelphia, Pa. Composition for cleaning wood, stone, metal, composition, etc. 388,241; June 17; Serial No. 439,062; published Apr. 8, 1941. Class 4.

West Virginia Match Corp., Wheeling, W. Va. Matches. 388,359; June 17. Class 9.

Western Electric Company, Incorporated, New York, N. Y. Electrical apparatus, machines, parts thereof, etc. 388,186; June 17; Serial No. 427,916; published Apr. 8, 1941. Class 21.

Whiting & Davis Company, Plainville, Mass. Mesh bags of base metal. 388,335; June 17. Class 3.

Woodward & Lothrop, Washington, D. C. Corsets. 388,288; June 17; Serial No. 440,301; published Apr. 8, 1941. Class 39.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Bituminous products. Mistele Coal & Coke Company. 388,342; June 17.

Patent-leather. Radel Leather Manufacturing Co. 141,644; renewed Apr. 26, 1941.

CLASS 2

Boxes of Celluloid or similar material. Shoe Form Co. 388,303; June 17; Serial No. 440,391; published Apr. 8, 1941.

Plates, Paper. American Tissue Mills. 388,215; June 17; Serial No. 437,889; published Apr. 8, 1941.

Bags of base metal, Mesh. Whiting & Davis Company. 388,335; June 17.

Horse and mule shoes. Phoenix Manufacturing Company. 388,275; June 17; Serial No. 440,055; published Apr. 8, 1941.

CLASS 4

Composition for cleaning wood, stone, metal, composition, etc. M. Weiss. 388,241; June 17; Serial No. 439,062; published Apr. 8, 1941.

Detergents. Finger Lakes Chemical Company. 388,232; June 17; Serial No. 438,795; published Apr. 8, 1941.

Shaving cream and laundry and household soap. H. J. Theobold. 388,315–17; June 17; Serial Nos. 440,666–8; published Apr. 8, 1941.

Soaps and laundry soaps, Toilet. Lissar Compañia Incorporada. 383,343; June 17.

CLASS 5

Adhesive, Synthetic resin plastic. Borden Company. 388,311; June 17; Serial No. 440,540; published Apr. 8, 1941.

Adhesive tapes, Pressure-sensitive. Industrial Tape Corporation. 388,238; June 17; Serial No. 438,986; published Apr. 8, 1941.

Adhesives. United Paste & Glue Corp. 388,324; June 17; Serial No. 440,894; published Apr. 8, 1941.

CLASS 6

Acid scale solvent. Diversey Corporation. 388,267; June 17; Serial No. 439,929; published Apr. 8, 1941.

Chemicals for treating textile fibres. Marker Products Co. 388,330; June 17; Serial No. 441,100; published Apr. 8, 1941.

Crystalline alkali silicate. Cowles Detergent Company. 388,273; June 17; Serial No. 440,043; published Apr. 8, 1941.

Face powder. Armand Company. 388,325; June 17; Serial No. 440,902; published Apr. 8, 1941.
Gases, Liquefied petroleum. Rulane Gas Company. 388,319; June 17; Serial No. 440,792; published Apr. 8, 1941.
Gum arabic solution. Davidson Manufacturing Corporation. 388,308; June 17; Serial No. 440,458; published Apr. 8, 1941.
Hair creams. Dermott, Incorporated. 388,203; June 17; Serial No. 435,241; published Apr. 8, 1941.
Lipstick, rouge, face powder, etc. B. Feldman. 388,201; June 17; Serial No. 434,361; published Mar. 25, 1941.
Lotion, skin. Wear Drug Co. 388,305; June 17; Serial No. 440,433; published Apr. 8, 1941.
Magnesium silicate suspensions. Roseman & Eisenberg. 388,328; June 17; Serial No. 441,036; published Apr. 8, 1941.
Nail polish. Peggy Sage, Inc. 388,200; June 17; Serial No. 433,904; published Sept. 24, 1940.
Nail polish, Liquid. Northam Warren Corporation. 388,326–7; June 17; Serial Nos. 440,950–1; published Apr. 8, 1941.
Perfumes, skin lotions, hair tonics, etc. Lissar Compañia Incorporada. 388,344; June 17.
Perfumes, scents, cosmetic powder, etc. J. R. Watkins Company. 388,272; June 17; Serial No. 440,030; published Apr. 8, 1941.
Pharmaceutical preparations. Lederle Laboratories, Inc. 388,274; June 17; Serial No. 440,049; published Apr. 8, 1941.
Preparation for correction of metabolic deficiencies. Sharp & Dohme, Incorporated. 388,309; June 17; Serial No. 440,475; published Apr. 8, 1941.
Preparation for sinus and head colds. G. L. Bierbower. 388,206; June 17; Serial No. 435,604; published Apr. 8, 1941.
Preparation for the treatment of diseases of nasal, bronchial, and other passages. A. F. Osterloh, Jr. 388,331; June 17; Serial No. 441,105; published Apr. 8, 1941.
Preparation for treating fabrics. Kent Stores of Washington, Inc. 388,189; June 17; Serial No. 428,876; published Apr. 23, 1940.
Stomachic compound. S. Pfeiffer Mfg. Co. 388,313; June 17; Serial No. 440,609; published Apr. 8, 1941.
Therapeutic products. National Antiseptics, Inc. 388,268; June 17; Serial No. 439,971; published Apr. 8, 1941.
Vitamin preparation. Norwich Pharmacal Company. 388,323; June 17; Serial No. 440,874; published Apr. 8, 1941.
Vitamin products for therapeutic administration. Parke, Davis & Company. 146,833; renewed Sept. 20, 1941.

CLASS 9

Dynamites. Hercules Powder Company. 388,347; June 17.
Matches. West Virginia Match Corp. 388,359; June 17.

CLASS 10

Fertilizers and fertilizer materials. Phosphate Mining Company. 388,224; June 17; Serial No. 438,449; published Apr. 1, 1941.

CLASS 11

Carbon papers and typewriter ribbons. Kee Lox Manufacturing Company. 388,211–12; June 17; Serial Nos. 437,384–5; published Apr. 1, 1941.
Typewriter ribbon and carbon paper. Underwood Elliot Fisher Company. 388,180; June 17; Serial No. 417,935; published Apr. 8, 1941.
Typewriter ribbons, carbon papers, and inks. Rivet-O Manufacturing Company. 388,250; June 17; Serial No. 439,530; published Apr. 8, 1941.

CLASS 13

Fasteners, nuts, clips, etc. Flexible Steel Lacing Company. 388,218; June 17; Serial No. 438,004; published Apr. 8, 1941.
Molds. United States Rubber Company. 388,182; June 17; Serial No. 420,920; published Apr. 8, 1941.
Nuts, Lock. H. C. Abell. 388,239; June 17; Serial No. 439,006; published Apr. 8, 1941.
Screen patches. C. L. Neely. 388,213; June 17; Serial No. 437,692; published Apr. 8, 1941.
Screws. Phillips Screw Company. 388,334; June 17.

CLASS 14

Aluminum alloy mouldings, extruded brass mouldings, and rolled aluminum and stainless steel mouldings, Extruded. M. A. Linsky. 388,234; June 17; Serial No. 438,807; published Apr. 8, 1941.
Steel bars, rods, billets, etc. Crucible Steel Company of America. 145,067; renewed July 26, 1941.

CLASS 16

Paint and varnish remover. J. L. Schiff. 388,337; June 17.
Paint product, namely four hour enamel. Mobile Paint Mfg. Company. 388,183; June 17; Serial No. 423,770; published July 30, 1940.
Paints, ready-mixed paste and dry varnishes, etc. Martin-Senour Company. 388,340; June 17.
Paints, varnishes, and paint enamels. Jewel Paint & Varnish Co. 388,270; June 17; Serial No. 440,008; published Apr. 8, 1941.

CLASS 19

Automobile rear view mirrors. P. E. Stone. 388,276; June 17; Serial No. 440,066; published Apr. 8, 1941.

CLASS 21

Batteries, Storage. Gilmore Oil Company. 388,349; June 17.
Battery cells, Flashlight. Gamble Stores Incorporated. 388,341; June 17.
Electrical apparatus, machines, parts thereof, etc. Western Electric Company. 388,186; June 17; Serial No. 427,916; published Apr. 8, 1941.
Electrical equipment. Watlow Electric Manufacturing Company. 388,227; June 17; Serial No. 438,461; published Apr. 8, 1941.
Electrical generators, motors, and voltage regulators. Bardco Manufacturing & Sales Company. 388,208; June 17; Serial No. 436,989; published Apr. 8, 1941.
Elements for gripping and eliminating undue strains from insulated electric wires. Diamond Wire & Cable Co. 388,348; June 17.
Pipes or electric conduits to carry electric wires. Steelduct Company. 147,695; renewed Oct. 25, 1941.
Registers for recording on a movable web from electrical impulses, Rotatably. P. P. Horni. 388,333; June 17.

CLASS 22

Game, Cartoon cut-out. American Features, Inc. 388,192; June 17; Serial No. 429,590; published Apr. 8, 1941.
Game, Indoor polo. A. E. Bryson. 388,329; June 17; Serial No. 441,081; published Apr. 8, 1941.

CLASS 23

Bits, Diamond. J. K. Smit & Sons, Inc. 388,339; June 17.
Clamp and bar assemblies. C. E. Butler. 388,217; June 17; Serial No. 437,936; published Apr. 8, 1941.
Drills, comprising hand-held sinkers, mounted drifters, etc., Pneumatically actuated rock. Independent Pneumatic Tool Co. 388,357; June 17.
Farm implements. B. H. Lantz. 388,353; June 17.
Files, engraving tools, pliers, and tweezers. Grobet File Corp. of America. 388,358; June 17.
Furnace conveyers, Heat corrosion resistant. Metallizing Engineering Co. Inc. 388,244; June 17; Serial No. 439,292; published Apr. 8, 1941.
Hack-saw frames, hack-saw blades, hammers, etc. K-D Manufacturing Company. 388,229; June 17; Serial No. 438,619; published Apr. 8, 1941.
Machines for printing addresses and other matter. Addressograph Company. 147,447; renewed Oct. 18, 1941.
Machines, Vegetable peeling. T. H. Robinson. 388,280; June 17; Serial No. 440,100; published Apr. 8, 1941.
Mechanical and steaming wall paper removers. Landon P. Smith, Inc. 388,253; June 17; Serial No. 439,567; published Apr. 8, 1941.
Shovels and spades. Union Fork & Hoe Company. 388,178; June 17; Serial No. 393,400; published Apr. 8, 1941.

CLASS 24

Ironing machines, Electric. Armstrong Products Corporation. 388,197; June 17; Serial No. 433,206; published Aug. 20, 1940.
Ironing pads. Sunlite Mfg. Company. 388,320–1; June 17; Serial Nos. 440,837–8; published Apr. 1, 1941.
Ironing tables and ironing table tops, Metal. Met-L-Top Tables, Inc. 388,354; June 17.
Washing machines, Laundry. Altorfer Bros. Company. 388,318; June 17; Serial No. 440,768; published Apr. 1, 1941.

CLASS 26

Cameras. Mimosa American Corporation. 388,193; June 17; Serial No. 430,619; published Apr. 8, 1941.
Measuring and controlling systems and apparatus for temperature, etc. Bailey Meter Company. 388,235; June 17; Serial No. 438,828; published Apr. 8, 1941.
Motion picture machines, and equipment, apparatus, and accessories relating thereto. Ampro Corporation. 388,231; June 17; Serial No. 438,641; published Apr. 8, 1941.
Ophthalmic mountings and lenses and parts thereof. Harlequin Corporation. 388,286; June 17; Serial No. 440,248; published Apr. 8, 1941.
Rules, folding rules, and extension rules. Master Rule Mfg. Co. Inc. 388,249; June 17; Serial No. 439,518; published Apr. 8, 1941.
Time electric impulse telemetering systems and apparatus, etc. Bailey Meter Company. 388,216; June 17; Serial No. 437,890; published Apr. 8, 1941.

CLASS 28

Finger-rings. Traub Manufacturing Company. 146,380; Sept. 6.

CLASS 30

Boxes, Chinaware ornamental. General Ceramics Company. 388,199; June 17; Serial No. 433,709; published Apr. 8, 1941.
China, Table. Sears, Roebuck and Co. 388,256; June 17; Serial No. 439,636; published Apr. 8, 1941.

CLASS 31

Filters and filter stones. Le Val Filter Co. 388,258; June 17; Serial No. 439,720; published Apr. 8, 1941.
Dehydrators, cartridge dehydrators, sealed-end dehydrators, etc. Imperial Brass Manufacturing Co. 388,310; June 17; Serial No. 440,511; published Apr. 8, 1941.

CLASS 32

Mattresses. New York Mattress Company. 388,209; June 17; Serial No. 440,376; published Apr. 8, 1941.
Office furniture, Steel. Peerless Steel Equipment Company. 388,355; June 17.
Stands, Telephone. Televator Corporation. 388,322; June 17; Serial No. 440,839; published Apr. 8, 1941.

CLASS 33

Glass sheets and laminations of glass sheets. Polaroid Corporation. 388,251; June 17; Serial No. 439,553; published Apr. 8, 1941.

CLASS 34

Heaters and parts thereof, Water. Century Engineering Corporation. 388,179; June 17; Serial No. 403,165; published Apr. 8, 1941.

CLASS 35

Tires, Pneumatic. General Tire and Rubber Company. 388,202; June 17; Serial No. 435,165; published Apr. 8, 1941.

CLASS 36

Phonograph records. K. Carlisle. 388,338; June 17.
Phonograph records and record blanks. Columbia Recording Corporation. 388,352; June 17.

CLASS 37

Pencils, Lead. American Lead Pencil Company. 141,837; renewed May 3, 1941.
Pencils, Mechanical. Nichols Products Company. 388,336; June 17.

CLASS 38

Instruction-books for art needleworks. Bernhard Ulmann Co. Inc. 147,422; renewed Oct. 11, 1941.
Publication consisting of an index, etc., and an engineering handbook, Annual. Fritz Publications, Inc. 388,350; June 17.

CLASS 39

Apparel, Wearing. Newton Manufacturing Company. 388,184; June 17; Serial No. 423,981; published Jan. 23, 1940.
Blouses and dresses. National Blouse Corporation. 388,259; June 17; Serial No. 439,723; published Apr. 8, 1941.
Clothing. C. Goldenberg. 388,240; June 17; Serial No. 439,021; published Apr. 8, 1941.
Corsets. Woodward & Lothrop. 388,288; June 17; Serial No. 440,301; published Apr. 8, 1941.
Dresses. H. J. Linsk. 147,350; renewed Oct. 11, 1941.
Footwear. Cobblers, Inc. 388,210; June 17; Serial No. 437,123; published Apr. 8, 1941.
Garment, Sleeping. Tidy Products Corporation. 388,277–9; June 17; Serial Nos. 440,069–71; published Apr. 8, 1941.
Hose. Sarfert Hosiery Mills, Inc. 388,225; June 17; Serial No. 438,455; published Apr. 8, 1941.
Overcoats, raincoats, and sport jackets. Cosmopolitan Manufacturing Company. 388,207; June 17; Serial No. 436,959; published Apr. 8, 1941.
Sandals and shoes, Beach. Conlin & Smith, Inc. 388,283; June 17; Serial No. 440,156; published Apr. 8, 1941.
Shirts, pants, jackets, and overalls, Work. Mason and Hughes. 388,198; June 17; Serial No. 432,481; published Apr. 8, 1941.
Shoes. Huth & James Shoe Co. 388,233; June 17; Serial No. 438,804; published Apr. 8, 1941.
Shoes. Marshall, Meadows & Stewart, Inc. 388,190; June 17; Serial No. 429,100; published Apr. 8, 1941.
Shoes and insoles. J. C. Penney Company. 388,245; June 17; Serial No. 439,398; published Apr. 8, 1941.
Slacks, suits, blouses, etc. Gordon Maid Skirt Company. 388,255; June 17; Serial No. 439,594; published Apr. 8, 1941.
Suits and bathing caps, Rubber bathing. United States Rubber Company. 388,287; June 17; Serial No. 440,298; published Apr. 8, 1941.
Suits, Swim. May Knitting Co. Inc. 388,257; June 17; Serial No. 439,660; published Apr. 8, 1941.
Underwear. R. Binns. 388,264; June 17; Serial No. 439,854; published Apr. 8, 1941.
Underwear, pajamas, negligees, and house coats. Mitchel Schneider Company. 388,243; June 17; Serial No. 439,166; published Apr. 8, 1941.
Uniforms, suits, and overcoats, etc. Reeves Bros. Inc. 388,248; June 17; Serial No. 439,493; published Apr. 8, 1941.
Waists, Under. A. Stein & Company. 388,271; June 17; Serial No. 440,027; published Apr. 8, 1941.

CLASS 40

Buckles, Garment. Rau Fastener Company. 388,301–2; June 17; Serial Nos. 440,381–2; published Apr. 8, 1941.
Dress shields. I. B. Kleinert Rubber Company. 388,314; June 17; Serial No. 440,655; published Apr. 8, 1941.

CLASS 42

Carpets and rugs. Alexander Smith & Sons Carpet Company. 388,285; June 17; Serial No. 440,215; published Apr. 8, 1941.
Curtains and piece goods, Lace net. Fairhope Fabrics, Inc. 388,247; June 17; Serial No. 439,479; published Apr. 8, 1941.
Fabrics in the piece. Crompton Company. 388,290; June 17; Serial No. 440,315; published Apr. 8, 1941.
Fabrics in the piece. Crompton Company. 388,298; June 17; Serial No. 440,369; published Apr. 8, 1941.
Fabrics in the piece. Feist Fabrics, Inc. 388,291; June 17; Serial No. 440,327; published Apr. 8, 1941.
Fabrics in the piece, Textile. B. A. Levinson Incorporated. 388,284; June 17; Serial No. 440,168; published Apr. 8, 1941.
Fabrics, Knitted. Algro Knitting Mills Inc. 388,289; June 17; Serial No. 440,304; published Apr. 8, 1941.
Piece goods. Celanese Corporation of America. 388,293–7; June 17; Serial Nos. 440,362–6; published Apr. 8, 1941.
Piece goods. Celanese Corporation of America. 388,306; June 17; Serial No. 440,443; published Apr. 8, 1941.
Piece goods. Celanese Corporation of America. 388,307; June 17; Serial No. 440,445; published Apr. 8, 1941.
Piece goods, Rayon and cotton. T. Bailey. 388,191; June 17; Serial No. 429,165; published Apr. 8, 1941.
Piece goods, Woolen and worsted. Botany Worsted Mills. 388,261; June 17; Serial No. 439,770; published Apr. 8, 1941.
Rugs and carpets. Mohawk Carpet Mills, Inc. 388,360–1; June 17.
Sheets and pillow cases. Bates Manufacturing Company. 388,346; June 17.
Silk in the piece, Artificial. Southern Brighton Mills. 388,266; June 17; Serial No. 439,909; published Apr. 8, 1941.
Ticking. Sears, Roebuck and Co. 143,462; renewed May 31, 1941.
Towel. B. Heitz. 388,204; June 17; Serial No. 435,295; published Apr. 8, 1941.
Velours in the piece and in short lengths. Dazian's, Inc. 388,269; June 17; Serial No. 439,994; published Apr. 8, 1941.
Worsteds in the piece. Ardross Worsted Co. 147,539; renewed Oct. 25, 1941.

CLASS 44

Hypodermic syringes, hypodermic needles, instruments, etc. A. E. Smith. 388,332; June 17; Serial No. 441,113; published Apr. 8, 1941.
Pads used in permanent waving. A. J. Donahue Corporation. 388,312; June 17; Serial No. 440,545; published Apr. 8, 1941.

CLASS 46

Bakery products. Bak-Kraft Corporation. 388,220; June 17; Serial No. 438,108; published Apr. 8, 1941.
Bakery products. F. J. Koser. 388,188; June 17; Serial No. 428,359; published Apr. 8, 1941.
Bakery products. National Biscuit Products. 388,242; June 17; Serial No. 439,117; published Apr. 8, 1941.
Beef and hog products. Nelson Morris & Co. 19,515; re-renewed May 19, 1941.
Biscuit. Southern Biscuit Company. 388,304; June 17; Serial No. 440,430; published Apr. 8, 1941.
Bread. Gottfried Baking Company. 388,292; June 17; Serial No. 440,332; published Apr. 8, 1941.
Bread improver. American Breddo Corporation. 388,194; June 17; Serial No. 430,711; published Apr. 8, 1941.
Candy. Walter T. Hall & Co. 147,618; renewed Oct. 25, 1941.
Candy. Liberty Orchards Company. 146,802; renewed Sept. 20, 1941.
Candy. D. Passaglia. 388,300; June 17; Serial No. 440,378; published Apr. 8, 1941.
Canned fruits and vegetables. Spartanburg Canning Co. 388,228; June 17; Serial No. 438,556; published Apr. 8, 1941.
Canned fruits, vegetables, and fish, etc. Ranney-Davis Mercantile Company. 146,597; renewed Sept. 13, 1941.
Canned fruits, vegetables, salmon, etc. Paxton and Gallagher Co. 388,221; June 17; Serial No. 438,353; published Apr. 8, 1941.
Canned fruits, vegetables, wheat flour, and salt. New Deal Wholesale Grocery Company. 388,345; June 17.
Canned soups. B. Poggioli & Son. 388,219; June 17; Serial No. 438,052; published Apr. 8, 1941.

Canned tomatoes, tomatoes with sauce, and tomato paste, etc. Hershel California Fruit Products Co. 388,187; June 17; Serial No. 428,233; published Apr. 8, 1941.
Cheese, American. Borden Company. 388,254; June 17; Serial No. 439,579; published Apr. 8, 1941.
Cheese spread. Blue Moon Foods, Inc. 388,282; June 17; Serial No. 440,143; published Apr. 8, 1941.
Cherries, onion, mustard, etc., Bottled. Knight Packing Company. 388,209; June 17; Serial No. 437,092; published Apr. 8, 1941.
Coffee. Chase & Sanborn. 147,463; renewed Oct. 18, 1941.
Coffee, tea, spices, etc. Andrus-Scofield Company. 145,598; renewed Aug. 16, 1941.
Eggs, egg whites, and egg yolks, Powdered whole. Armour and Company. 388,281; June 17; Serial No. 440,141; published Apr. 8, 1941.
Fats, Cooking. Procter & Gamble Company. 147,672; renewed Oct. 25, 1941.
Feed and laying mash, Scratch. Flory Milling Company. 388,265; June 17; Serial No. 439,863; published Apr. 8, 1941.
Flour. Bilish Milling Company. 388,223; June 17; Serial No. 438,430; publisbed Apr. 8, 1941.
Ice cream. Bellamy Ice Cream Company. 388,356; June 17.
Ice cream and sherbet. Ice Cream Securities Company. 388,195; June 17; Serial No. 431,651; published Apr. 8, 1941.
Marcaroni. B. S. Scotland. 388,222; June 17; Serial No. 438,405; published Apr. 8, 1941.
Marcaroni. B. S. Scotland. 388,226; June 17; Serial No. 438,458; published Apr. 8, 1941.
Milk containing vitamins and minerals. Scientific Nutrition Corporation. 388,252; June 17; Serial No. 439,564; published Apr. 8, 1941.
Milk, Evaporated. Borden Company. 388,196; June 17; Serial No. 431,757; published Apr. 8, 1941.
Pickles. Americans Own Packing Co. 388,185; June 17; Serial No. 425,974; published Apr. 8, 1941.
Popcorn. H. T. Restemeier. 388,181; June 17; Serial No. 420,779; published Oct. 31, 1939.
Potatoes. Aroostook Potato Growers, Inc. 388,237; June 17; Serial No. 438,919; published Apr. 8, 1941.
Potatoes. H. Campbell. 388,260; June 17; Serial No. 439,749; published Apr. 8, 1941.
Salad oil. Stanco Incorporated. 388,263; June 17; Serial No. 439,843; published Apr. 8, 1941.
Sugar. Great Western Sugar Company. 388,246; June 17; Serial No. 439,411; published Apr. 8, 1941.
Syrups and molasses for food purposes, glucose, etc. Nulomoline Company. 145,988; renewed Aug. 23, 1941.
Vegetable shortening. Swift and Company. 388,214; June 17; Serial No. 437,846; published Apr. 8, 1941.
Vegetables. O'Keefe Brothers. 388,205; June 17; Serial No. 435,310; published Apr. 8, 1941.
Vitamin food product. Pine Bros, Inc. 388,230; June 17; Serial No. 438,627; published Apr. 8, 1941.

CLASS 47

Wines. B. Cribari & Sons. 388,236; June 17; Serial No. 438,867; published Apr. 8, 1941.
Wines. Southland Wine Corporation. 388,262; June 17; Serial No. 439,783; published Apr. 8, 1941.

CLASS 48

Beer, malt tonic, etc., Non-alcoholic near. Val Blatz Brewing Company. 146,388; renewed Sept. 6, 1941.
Material of malt and hops for making a malt beverage, A concentrated. New England Brewing Company. 147,142; renewed Oct. 4, 1941.

CLASS 50

Brooders, Electric hover. Anderson Box Company. 388,351; June 17.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF JUNE, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bell Telephone Laboratories, Incorporated. (See Mitchell, Doren, assignor.)
Case, Nelson P., Great Neck, N. Y., assignor to Hazeltine Corporation. Control network. Re. 21,826; June 17.
Corning Glass Works. (See Ticknor, Winton A., assignor.)
Erickson, Charles, and E. Spellman, New York, N. Y. Continuous confection freezing apparatus. Re. 21,827; June 17.
Fleischel, Gaston, Bleneau, France. Progressive clutch control for automatic gear shifting systems. Re. 21,828; June 17.
Friden, Carl M. F., Pleasanton, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. Re. 21,829; June 17.
Gibson, Charles J., Greenville, and J. Touborg, Tecumseh, assignors to Gibson Electric Refrigerator Corporation, Greenville, Mich. Refrigerating apparatus. Re. 21,830; June 17.
Gibson Electric Refrigerator Corporation. (See Gibson, C. J., and Touborg, assignors.)
Hazeltine Corporation. (See Case, Nelson P., assignor.)
Hoffman, Allan C., Millidale, assignor to Scoville Manufacturing Company, Waterbury, Conn. Nasal inhaler. Re. 21,831; June 17.
Huber, Frederick W., deceased, Riverside, Calif., by Schlumberger Well Surveying Corporation, Houston, Tex., assignee. Method of and apparatus for electrically exploring earth formations. Re. 21,832; June 17.
Jackson, John R., Boston, Mass. Toolholder. Re. 21,833; June 17.
Marchant Calculating Machine Company. (See Friden, Carl M. F., assignor.)
Miollis, Raymond, Elmwood Park, Ill. Method for making cheese. Re. 21,834; June 17.
Mitchell, Doren, Bound Brook, N. J., assignor to Belle Telephone Laboratories, Incorporated, New York, N. Y. Control of transmission in two-way telephone systems. Re. 21,835; June 17.
Schlumberger Well Surveying Corporation. (See Huber, Frederick W.)
Scoville Manufacturing Company. (See Hoffman, Allan C., assignor.)
Spellman, Erick. (See Erickson, C., and Spellman.)
Ticknor, Winton A., assignor, by mesne assignments, to Corning Glass Works, Corning, N. Y. Flue structure. Re. 21,836; June 17.
Touborg, Jens. (See Gibson, C. J., and Touborg.)

LIST OF DESIGN PATENTEES

Aldeen, Gedor W., assignor to American Cabinet Hardware Corporation, Rockford, Ill. Drawer pull or the like. 127,782; June 17.
American Cabinet Hardware Corporation. (See Aldeen, Gedor W., assignor.)
American Hard Rubber Company. (See Reppert, Roland, assignor.)
Anderson, Peter A., assignor to Utilities Distributors, Inc., Portland, Maine. Combined hood and supporting unit for gas installation housing. 127,783; June 17.
Armstrong Cork Company. (See Tomasson, Virginius A., assignor.)
Ashley, Edward E., Darien, Conn., and A. E. Blumenthal, Pittsburgh, Pa., assignors of one-third to Kaufman & Baer Company, also doing business as Gimbel Bros., Pittsburgh, Pa. Lighting fixture. 127,822; June 17.
Barnes, James F. (See Reinecke, J. O., and Barnes.)
Barrie, Kate. (See Hayt, Kate W.)
Biller, David J., assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Fluorescent lighting fixture. 127,823; June 17.
Blumenthal, Alexander E. (See Ashley, E. E., and Blumenthal.)
Boardman, Russell T., assignor to Wolf Range & Mfg. Co., Los Angeles, Calif. Gas griddle. 127,784; June 17.
Brodton, Lynn, Collingswood, N. J. Flashlight or similar article. 127,785; June 17.
Brooks, Natacha, New York, N. Y. Coat. 127,867; June 17.
Browne Vintners Co. Inc. (See Holtz, Morris, assignor.)
Bruce, Leo L., Framingham, Mass., assignor to Warren Telechron Company. Clock case. 127,786; June 17.
Bry, Edwin, Elberon, N. J. Novelty yarn. 127,868; June 17.
Burke & James. (See Drucker, Albert, assignor.)
Carthage, Philip I., Brooklyn, N. Y. Bottle or similar article. 127,787; June 17.
Clement, Joseph J., Milwaukee, Wis. Lamp. 127,850; June 17.
Conroy, Edward J., assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 127,788; June 17.
Couch, Howard W., Nevada, Mo. Combined ash tray and cigarette container. 127,789; June 17.
Craighead, John R., Denver, Colo. Scarf holder. 127,838; June 17.
Croizat, Madeleine, New York, N. Y. Dress ensemble. 127,869; June 17.
Cummings, Israel, New York, N. Y. Textile fabric. 127,790; June 17.
Davidson Manufacturing Corporation. (See Davidson, W. W., and (Scholl, assignor).)
Davidson, William W., Evanston, and H. S. Scholl, Glen Ellyn; said Scholl assignor to Davidson Manufacturing Corporation, Chicago, Ill. Folding machine or similar article. 127,851; June 17.
Day-Brite Lighting, Inc. (See Biller, David J., assignor.)
Dorée, Silvia, New York, N. Y. Handbag or similar article. 127,870; June 17.
Drucker, Albert, assignor to Burke & James, Inc., Chicago, Ill. Photographic enlarging apparatus. 127,839; June 17.
Drucker, Albert, assignor to Burke & James, Inc., Chicago, Ill. Photographic enlarging apparatus. 127,840; June 17.
Drucker, Albert, assignor to Burke & James, Inc., Chicago, Ill. Photographic enlarging apparatus. 127,841; June 17.
Du Pont, E. I., de Nemours & Company. (See Kahn, Julius, assignor.)
Electrical Products Corporation. (See Owen, Harold R., assignor.)
Electrolux Corporation. (See Guild, Lurelle, assignor.)
Electro-Technical Products, Inc. (See Susi, Michael A., assignor.)
Fisher, Frederick H., Miami Beach, Fla. Spectacle frame. 127,791; June 17.
Frank, William H., Detroit, Mich. Switching head. 127,871; June 17.
Garas, Fahmy, Cairo, Egypt. Massage instrument. 127,824; June 17.
General Motors Corporation. (See Loewy, Raymond, assignor.)
General Time Instruments Corporation. (See Schlenker, Max E., assignor.)
Gillie, James R., assignor to H. Horne, New York, N. Y. Musical wind instrument. 127,792; June 17.
Gimble Bros. (See Ashley, E. E., and Blumenthal.)
Goldberg, Arnold M., Chicago, Ill. Cigarette dispenser or similar article. 127,793; June 17.
Goldsmith, Samuel R., New York, N. Y. Handbag. 127,794; June 17.
Gómez, Gustavo, New York, N. Y. Bottle. 127,795; June 17.
Grant, Walter S., assignor to The Ohio Corrugating Company, Warren, Ohio. Container pouring device. 127,796; June 17.
Greppin, Ernest H., Brighton, assignor to Wilmot Castle Company, Rochester, N. Y. Adjustable lighting fixture. 127,825; June 17.
Guild, Lurelle, Darien, Conn., assignor to Electrolux Corporation, New York, N. Y. Suction nozzle. 127,797; June 17.
Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Sink support or similar article. 127,798; June 17.
Hayt, Kate W., also known as Kate Barrie, Los Angeles, Calif. Combined holder for candle and flowers. 127,799; June 17.
Hayt, Kate W., also known as Kate Barrie, Los Angeles, Calif. Combined holder for candle and flowers. 127,800; June 17.
Heausler, Ethel D., New Orleans, La. Book holder or analogous article. 127,801; June 17.
Hoellerich, Richard, New York, N. Y. Woven textile fabric. 127,872; June 17.

Hoffman, Eugene J., Emporium, Pa. Electron tube. 127,826; June 17.
Holmstrom, John G., assignor to Kenworth Motor Truck Corporation, Seattle, Wash. Sugar-cane truck. 127,802; June 17.
Holtz, Morris, Newark, N. J., assignor to Browne Vintners Co., Inc., New York, N. Y. Pourer for bottles. 127,803; June 17.
Horn & Hardart Baking Co. (See Lowther, Leonard W., assignor.)
Horne, Hal. (See Gillie, James R., assignor.)
Hyland, Matthew P., Rye, N. Y. Hat. 127,852; June 17.
International Silver Company. (See Conroy, Edward J., assignor.)
Ireys, Meredith S., Lancaster, Pa. Bottle or similar article. 127,827; June 17.
Johnson, Kenneth W., New Haven, Conn. Hat. 127,853; June 17.
Kahn, Julius, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Combined comb and brush or similar article. 127,804; June 17.
Kaufmann & Baer Company. (See Ashley, E. E., and Blumenthal, assignors.)
Kaufman, Stella B., New York, N. Y. Dress. 127,854; June 17.
Kaufman, Stella B., New York, N. Y. Dress. 127,855; June 17.
Kaufman, Stella B., New York, N. Y. Dress ensemble. 127,856; June 17.
Kaufman, Stella B., New York, N. Y. Dress. 127,857; June 17.
Kaufman, Stella B., New York, N. Y. Dress. 127,858; June 17.
Kaufman, Stella B., New York, N. Y. Dress. 127,859; June 17.
Kaufman, Stella B., New York, N. Y. Dress. 127,860; June 17.
Kaufman, Stella B., New York, N. Y. Dress. 127,873; June 17.
Kaufman, Stella B., New York, N. Y. Dress. 127,874; June 17.
Kaufman, Stella B., New York, N. Y. Jacket. 127,877; June 17.
Kaufman, Stella B., New York, N. Y. Dress. 127,878; June 17.
Kenworth Motor Truck Corporation. (See Holmstrom, John G., assignor.)
Kling, Maxine A., Hollywood, Calif. Apron. 127,861; June 17.
Levin, David, New York, N. Y. Shoe or similar article. 127,842; June 17.
Lewis, Howard B., Inglewood, assignor to Towlsaver, Inc., Los Angeles, Calif. Towel dispensing cabinet. 127,805; June 17.
Little, Earl W. and G., Indianapolis, Ind. Combined bird cage and stand. 127,806; June 17.
Little, Gertrude. (See Little, Earl W. and G.)
Loewy, Raymond, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Refrigerator cabinet. 127,828; June 17.
Loewy, Raymond, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Refrigerator cabinet. 127,843; June 17.
Loewy, Raymond, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio. Refrigerator cabinet. 127,829; June 17.
Lowther, Leonard W., Merchantville, N. J., assignor to Horn and Hardart Baking Co., Philadelphia, Pa. Restaurant seat. 127,807; June 17.
Mader, Harry A. (See Olson, Arthur E., assignor.)
Matlin, Jacob H., New York, N. Y. Coat. 127,875; June 17.
McGillicuddy, Daniel J., Malden, Mass. Animal bed. 127,808; June 17.
McGraw Electric Company. (See Reinecke, J. O., and Barnes; assignors.)
Meehan, Gerald M., Hart, Mich. Reminder indicator. 127,809; June 17.
Meyer, Maximilian C., Brooklyn, N. Y. Display stand. 127,830; June 17.
Michelson, Lawrence M., Clayton, Mo. Stool. 127,810; June 17.
Murray Corporation of America, The. (See Haberstump, Alfred H., assignor.)
Ohio Corrugating Company, The. (See Grant, Walter S., assignor.)
Olson, Arthur E., assignor of one-half to H. A. Mader, Ridgway, Pa. Clothes drying rack. 127,811; June 17.
Owen, Harold R., Venice, assignor to Electrical Products Corporation, Los Angeles, Calif. Cap piece for a sign. 127,812; June 17.
Pahlmann, William C., New York, N. Y. House bar. 127,831; June 17.
Patterson, Edmund M., New York, N. Y. Textile fabric. 127,876; June 17.
Pearl, John, Detroit, Mich. Curtain stretcher holder or similar article. 127,844; June 17.
Pearson Heel Mfg. Co. (See Walsh, William J., assignor.)
Perry, Harold O., Orinda, Calif. Swimming appliance. 127,832; June 17.
Pipenhagen, Gustave W., Chicago, Ill. Rack for small articles. 127,813; June 17.
Pretzfeld, Billie, White Plains, N. Y. Dress. 127,862; June 17.
Price, Edison A., New York, N. Y. Adjustable illuminating device. 127,833; June 17.
Puckett, Lloyd S., Seattle, Wash. Motor boat chain drive housing. 127,834; June 17.
Reinecke, Jean O., Oak Park, and J. F. Barnes, Chicago, assignors to McGraw Electric Company, Elgin, Ill. Toaster. 127,814; June 17.
Reinstein, Harry, New York, N. Y. Set of jeweled alphabet pins. 127,845; June 17.
Reppert, Roland, Pelham Manor, assignor to American Hard Rubber Company, New York, N. Y. Receptacle for batteries or similar articles. 127,815; June 17.
Rhodes, Gilbert J., New York, N. Y. Embroidered trimming or similar article. 127,863; June 17.
Roth, Samuel A., Cleveland, Ohio. Stocking. 127,864; June 17.
Runnels, Garland D., New York, N. Y. Combination vanity and lipstick case. 127,816; June 17.
Schlenker, Max E., Peru, Ill., assignor to General Time Instruments Corporation, New York, N. Y. Clock casing. 127,817; June 17.
Scholl, Harry S. (See Davidson, W. W., and Scholl.)
Shively, Walter E., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Tire. 127,818; June 17.
Siegel, Louis A., New York, N. Y. Collar. 127,865; June 17.
Silverstein, Sydney G., Brooklyn, N. Y. Advertising display stand. 127,819; June 17.
Sitkin, Edward, New York, N. Y. Bed jacket. 127,846; June 17.
Susi, Michael A., New York, N. Y., assignor to Electro-Technical Products, Inc., Nutley, N. J. Textile fabric. 127,847; June 17.
Tigerman, Alexander R. and M. N., Chicago, Ill. Clock. 127,848; June 17.
Tigerman, Milton N. (See Tigerman, Alexander R. and M. N.)
Tomasson, Virginius A., East Orange, N. J., assignor to Armstrong Cork Company, Lancaster, Pa. Jar or similar article. 127,820; June 17.
Towlsaver, Inc. (See Lewis, Howard B., assignor.)
Utilities Distributors, Inc. (See Anderson, Peter A., assignor.)
Voeller, Jacob, Merriam, Kans. Game board. 127,821; June 17.
Walsh, William J., University City, assignor to Pearson Heel Mfg. Co., St. Louis, Mo. Shoe heel. 127,879; June 17.
Warren Telechron Company. (See Bruce, Leo I., assignor.)
Webster, June, New York, N. Y. Sweater. 127,849; June 17.
Wiener, Jack, New York, N. Y. Embroidered lace fabric or similar article. 127,835; June 17.
Wilmot Castle Company. (See Greppin, Ernest H., assignor.)
Wingfoot Corporation. (See Shively, Walter E., assignor.)
Wolf Range & Mfg. Co. (See Boardman, Russell T., assignor.)
Zanft, Hattie C., Red Bank, N. J. Dress. 127,866; June 17.
Zendman, Isaac, New York, N. Y. Lace. 127,836; June 17.
Zendman, Isaac, New York, N. Y. Lace. 127,837; June 17.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF JUNE, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ackley, Raymond E., Chicago, Ill. Free-opening side stitched book and making same. 2,245,891; June 17.
Adams Company, The. (See Meyer, John B., assignor.)
Adams, Gale L., Los Angeles, R. G. Barlow, Whittier, and A. Shapiro, Los Angeles, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Separating water from oil. 2,245,551; June 17.
Adams, Walter, Stafford, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Taping machine. 2,245,636; June 17.
Adenstedt, Heinrich, Berlin-Reinickendorf, and H. Wittke, Hohen Neuendorf, near Berlin, Germany, assignors to General Electric Company. Selenium cells and producing the same. 2,246,161; June 17.
Adkins, Homer, Madison, and G. C. Howard, Wausau, assignors to Marathon Paper Mills Company, Rothschild, Wis. Hydrogenation of lignin sulphonic acid. 2,246,481; June 17.
Adlake Company, The. (See Keller, Walter E., assignor.)
Aero Supply Mfg. Co. Inc. (See Downey, George T., assignor.)
Agee, Charles A. T., Collingswood, N. J. Shower seat. 2,245,951; June 17.
Aitken, Robert H., Lawrenceville, Ill., and W. Kiersted, Jr., Scarsdale, N. Y., assignors of one-half to Indian Refining Company, Lawrenceville, Ill., and one-half to The Texas Company, New York, N. Y. Dewaxing hydrocarbon oil. 2,245,952; June 17.
Ajax Manufacturing Company, The. (See Criley, William W., assignor.)
Alessandroni, Hugh V. (See Plechner, W. W., and Alessandroni.)
Alexander, Claude H., and H. Tucker, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Vinyl resin and preparing the same. 2,245,742; June 17.
Allegheny Ludlum Steel Corporation. (See Kiefer, George C., assignor.)
Aller, Willis F., Dayton, Ohio, assignor to The Sheffield Corporation. Gauging apparatus. 2,246,485; June 17.
Allis-Chalmers Manufacturing Company. (See McArn, D. G., and McDonald, assignors.)
Almen, John O., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Clutch. 2,246,231; June 17.
Almen, John O., Royal Oak, assignor to General Motors Corporation, Detroit, Mich. Vibration suppressor 2,246,232; June 17.
Almquist, Nils T. (See Anderson, O. M., and Almquist.)
Aluminum Company of America. (See Hogg, Emerson E., assignor.)
American Brake Shoe and Foundry Company, The. (See Mantle, Burr W., assignor.)
American Cast Iron Pipe Company. (See Barr, Charlence D., assignor.)
American Chemical Paint Company. (See Romig, Gerald C., assignor.)
American Cutting Alloys, Inc. (See Schwarzkopf, Paul, assignor.)
American Forging & Socket Company. (See Riley, Frank O., assignor.)
American Instrument Company. (See Morris, Nathan, assignor.)
American Lace Paper Company. (See Kelding, Andrew, assignor.)
American Laundry Machinery Company, The. (See Hanney, Angus F., assignor.)
American Laundry Machinery Company, The. (See Kahn, Leo M., assignor.)
American Optical Company. (See Maynard, Albert E., assignor.)
American Pulley Company. (See Smith, Henry J., assignor.)
American Sales Book Company. (See Hall, G. W., and Mosher, assignors.)
American Seating Company. (See Yost, Clyde E., assignor.)
American Telephone and Telegraph Company. (See Hunter, Frederick R., assignor.)
American Tubular Elevator Company. (See Schiller, Morgan B., assignor.)
American Type Founders, Inc. (See Stobb, Anton, assignor.)
American Window Glass Company. (See Magrini, Pete, assignor.)
Anaconda Wire and Cable Company. (See Burby, J. D., and Whitten, assignors.)
Ancrum, Robert W., Stockton-on-Tees, and A. G. Oppegaard, Eaglescliffe, England, assignors to Titan Company, Inc., Wilmington, Del. Dispersing titanium oxide pigments. 2,246,030; June 17.
Anderson, Nelson F., Los Angles, Calif. Warning signal. 2,246,233; June 17.
Anderson, Oscar M., and N. T. Almquist, assignors to Landers, Frary & Clark, New Britain, Conn. Vacuum cleaner. 2,245,953; June 17.
Anderson, Victor, Cliffside Park, assignor to Alfred Hofmann & Company, West New York, N. J. Thread carrier. 2,246,337; June 17.
Anderson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,245,637; June 17.
Angus, William C. (See Bell, A. S., and Angus.)
Anschicks, David P., Riverside, and C. R. Peck, assignors to Protectoseal Company of America, Inc., Chicago, Ill. Spray gun container. 2,245,892; June 17.
Antrim, Louis C., New York, N. Y., assignor to Autographic Register Company, Hoboken, N. J. Manifolding. 2,246,234; June 17.
Anxionnaz, René, assignor of one-half to Societe Rateau, Paris, France. Gas turbine engine plant. 2,245,954; June 17.
Armentrout, Arthur L., et al. (See Claire, Guy K., assignor.)
Armitage, Harold S., Los Angeles, Calif. Hand knitting needle. 2,245,893; June 17.
Arms, Merton H., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Size controlling mechanism. 2,245,894; June 17.
Arnold, Luther B., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Composition and process for softening leather, paper, and textile materials. 2,246,085; June 17.
Arnold, Russell B. (See Graham, Audrey W., assignor.)
Artzt, Maurice, Haddonfield, N. J., assignor to Radio Corporation of America. Synchronizing apparatus. 2,246,284; June 17.
Arundale, Erving, Union, and L. A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company. Unsaturated esters. 2,246,285; June 17.
Ashley, Carlyle M. (See Waterfill, R. W., and Ashley.)
Ashley, Carlyle M., assignor to Carrier Corporation, Syracuse, N. Y. Metering damper outlet. 2,246,338; June 17.
Askania-Werke A. G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau. (See Becker, Ewald, assignor.)
Aspin, Frank M., Bury, England. Rotary valve. 2,245,743; June 17.
Associated Electric Laboratories, Inc. (See Kessler, Frank, assignor.)
Associated Patentees, Inc. (See Powers, Walter P., assignor.)
Associated Telephone & Telegraph Company. (See Beale, C. E., and Richards, assignors.)
Associated Telephone & Telegraph Company. (See Clew, J. W., and Pearce, assignors.)
Associated Telephone & Telegraph Company. (See Stehlik, Rudolph F., assignor.)
Atlanta Utility Works. (See Thomason, Ernest K., assignor.)
Attaway, William H., Spartanburg, S. C., and W. A. Becker, Charlotte, N. C. Machine for forming and folding pocketbook rolls, weiner rolls, and the like. 2,246,477; June 17.
Ausman, Harry R., assignor of two-thirds to J. M. Picker and R. W. Riegner, Milwaukee, Wis. Nut lock. 2,245,552; June 17.
Austin, Paul R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bearing. 2,246,086; June 17.
Autographic Register Company. (See Antrim, Louis C., assignor.)
Automatik Venetian Hardware Corporation. (See Cohn, Harold J., assignor.)
Ayres, Arthur U., Chestnut Hill, assignor to The Sharples Corporation, Philadelphia, Pa. Refining of fatty oils. 2,245,846; June 17.
Baas, John F. (See Biska, V., and Baas.)
Baash-Ross Tool Company. (See Johnson, Glenn D., assignor.)
Backes, Edward W., Evanston, Ill., assignor to Poor & Company, New York, N. Y. Sound center rail joint bar. 2,245,955; June 17.
Badgley, Robert H., Morris Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone party line working. 2,246,119; June 17.
Bagby, James F., Houston, Tex. Pipe or hose coupling. 2,245,847; June 17.
Bagnall, Edwin, Chicago, Ill. Protective device for automotive vehicles. 2,245,848; June 17.

Bahr, Gustave F., Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Shaving machine. 2,246,459; June 17.

Bailey, Emerson D., and M. M. Brubaker, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Flim. 2,246,087; June 17.

Baillard, Hamilton, Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cable plug. 2,246,286; June 17.

Baily, Robert W., Narberth, Pa. Protecting foodstuffs. 2,245,956; June 17.

Baisden, Andrew L., assignor of one-half to P. L. Streat, Jr., Nicholls, Ga. Bucket. 2,245,744; June 17.

Baker, John S., Los Angeles, Calif. Cooker. 2,245,957; June 17.

Baker McMillen Company, The. (See Sperry, John A., assignor.)

Baker Oil Tools, Inc. (See Baker, Reuben C., assignor.)

Baker Oil Tools, Inc. (See Ragan, Thomas M., assignor.)

Baker, Reuben C., Coalinga, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Circulation and expansion joint for well devices. 2,245,638; June 17.

Baker, Virgil P., et al. (See Claire, Guy K., assignor.)

Baldwin Locomotive Works, The. (See Sharp, Robert E. B., assignor.)

Ball Chemical Company. (See Ball, George L., assignor.)

Ball, George L., Pittsburgh, Pa., assignor to Ball Chemical Company. Metallic coating. 2,245,745; June 17.

Ball, P. M., & Company, et al. (See Gridley, W. C., and Magnus, assignors.)

Ballard, Charles S., Seattle, Wash. Production of thermoplastic dentures. 2,245,849; June 17.

Bang, Sören H., Copenhagen, Denmark. Cowcatcher for automobiles. 2,245,746; June 17.

Barber-Colman Company. (See Drake, George F., assignor.)

Barber-Colman Company. (See Noling, Martin N., assignor.)

Barbizon Corporation, The. (See Weiss, Benjamin G., assignor.)

Baritz, Sidney, Great Neck, and S. Lerma, Flushing, N. Y., assignors to Handy Button Machine Co. of N. Y. Inc. Ear muff frame. 2,246,031; June 17.

Barkeley, James T., et al. (See James, Quincy C., assignor.)

Barlow, Roy G. (See Adams, G. L., Barlow, and Shapiro.)

Barnes Drill Company. (See Caldwell, Harry J., assignor.)

Barnes Drill Co. (See Johnson, Albert M., assignor.)

Barnes, Joseph B. (See Kane, Peter W., assignor.)

Barnett, Robert S. (See Kaufman, G., and Barnett.)

Baron, Arthur, et al. (See Pollard, John H., assignor.)

Barr, Clarence D., assignor to American Cast Iron Pipe Company, Birmingham, Ala. Treating centrifugal metal molds. 2,245,747; June 17.

Barr, Harry E., and W. Lohman, assignors of one-fourth to F. P. Marchlenski and one-fourth to L. Marchlenski, Wheeling, W. Va. Brake applying device for automobiles. 2,245,958; June 17.

Bartlett, Jeffrey H., Cranford, N. J., and A. J. Zadde, New York, N. Y., assignors to Standard Oil Development Company. Pour depressor. 2,245,639; June 17.

Bazner, Eugene. (See Vastano, J., and Bazner.)

Bazzoni, Charles B., Wallingford, and J. M. Pearson, Swarthmore, assignors to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Electrical prospecting apparatus. 2,246,460; June 17.

Beach, Benson H. S., Ottawa, Ontario, Canada. Internal combustion engine. 2,246,235; June 17.

Beale, Charles E., and I. T. Richards, Liverpool, England, assignors to Associated Telephone & Telegraph Company, Chicago, Ill. Automatic switch for use in telephones or like systems. 2,245,748; June 17.

Beattie, Robert, Plainfield, N. J., assignor, by mesne assignments, of three-fourths to Tide Water Associated Oil Company, New York, N. Y. Molding paraffin wax. 2,245,640; June 17.

Becker, Ewald, Berlin-Steglitz, Germany, assignor to Askania-Werke A. G., vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau. Controlling device for internal combustion engines. 2,245,562; June 17.

Becker, Oskar W., Heidelberg, assignor to the firm Naturin-Werk Becker & Co., Weinheim/Baden, Germany. Artificial casing. 2,246,236; June 17.

Becker, Walter A. (See Attaway, W. H., and Becker.)

Bedford, Alva V., Collingswood, and K. J. Magnusson, Merchantville, N. J., assignors to Radio Corporation of America. Camera supporting pedestal. 2,246,287; June 17.

Bell, Angus S., and W. C. Angus, Spondon, near Derby, England, assignors to Celanese Corporation of America, Delaware. Composite yarn, and fabric made of or containing such yarn. 2,245,641; June 17.

Bell, Davitt S., Pittsburgh, and B. W. Dunham, assignors to Edgewater Steel Company, Oakmont, Pa. Forging die. 2,245,642; June 17.

Bell Telephone Laboratories, Inc. (See Badgley, Robert H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Baillard, Hamilton, assignor.)

Bell Telephone Laboratories, Incorporated. (See Black, Harold S., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ekstrand, Sture O., assignor.)

Bell Telephone Laboratories, Incorporated. (See Feldman, C. B. H., and Friis, assignors.)

Bell Telephone Laboratories, Incorporated. (See Hardesty, James M., assignor.)

Bell Telephone Laboratories, Incorporated. (See Holden, William H. T., assignor.)

Bell Telephone Laboratories, Incorporated. (See Krist, Henry K., assignor.)

Bell Telephone Laboratories, Incorporated. (See Llewellyn, Frederick B., assignor.)

Bell Telephone Laboratories, Incorporated. (See Monk, Newton, assignor.)

Bell Telephone Laboratories, Incorporated. (See Peek, Robert L., Jr., assignor.)

Bell Telephone Laboratories, Incorporated. (See Pierce, J. R., and Shockley, assignors.)

Bell Telephone Laboratories, Incorporated. (See Rea, Wilton T., assignor.)

Bell Telephone Laboratories, Incorporated. (See Shockley, William, assignor.)

Bell Telephone Laboratories, Incorporated. (See Smith, George O., assignor.)

Bell Telephone Laboratories, Incorporated. (See Teal, Gordon K., assignor.)

Bellman, Elwood P., Stony Creek Mills, assignor of twenty-five per cent to J. P. Sullivan, Reading, fifteen per cent to J. J. Sullivan, Jr., Philadelphia, and ten per cent to M. E. McQuillen, Reading, Pa. Circular knitting full length lady's hosiery machine. 2,245,749; June 17.

Below, Fritz, Klein-Machnow, near Berlin, assignor to Fernseh Aktiengesellschaft, Berlin-Zehlendorf, Germany. Electron multiplier. 2,245,895; June 17.

Belsinger, Inc. (See Iliges, Abraham, assignor.)

Bendix Aviation Corporation. (See Miller, William H., assignor.)

Bendix Aviation Corporation. (See White, John W., assignor.)

Bendix Products Corporation. (See Hunt, Scott F., assignor.)

Bendix Products Corporation. (See Kerr, Henry H., assignor.)

Bendix Products Corporation. (See Price, Harold W. and E. R., assignors.)

Benjamin, Mark, Wembley, England, assignor to General Electric Company. Thermionic cathode treatment. 2,246,162; June 17.

Benninghoff, William L., Shaker Heights, Ohio. Apparatus for cutting threads. 2,246,237; June 17.

Bent, Franklin A., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Production of beta gamma unsaturated ketones. 2,246,032; June 17.

Bentley Engineering Company Limited, The. (See Spurling, Bertram C., assignor.)

Beregh, Theodore J., Patchogue, N. Y. Gas arc lamp. 2,246,339; June 17.

Berggren, Per J., New York, N. Y. Photographic light controlling element. 2,245,563; June 17.

Bergmann, Richard F., Lakewood, and C. C. Walters, Fairview Village, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Spindle lubricating means. 2,245,564; June 17.

Berlew, Nelson H., Cortland, N. Y. Fish fly. 2,246,428; June 17.

Beronius, Harry V. (See Jardine, A. D., and Beronius.)

Betts, John R., Kearney, Nebr. Well boring bucket and method of boring wells. 2,245,750; June 17.

Beutner, Reinhard. (See Schaffer, C. W., and Beutner.)

Beyster, H. E., Corporation. (See Krueger, Richard H., assignor.)

Biedermann, Oscar, and F. J. Bilek, assignors to The Globe Company, Chicago, Ill. Apparatus for applying depilating material on carcasses. 2,245,553; June 17.

Bilek, Frank J. (See Biedermann, O., and Bilek.)

Biska, Vincent, Niles, and J. F. Baas, Chicago, Ill. Supporting attachment for tables and the like. 2,246,120; June 17.

Bisset, William, assignor to Mathews Conveyer Company, Limited, Port Hope, Ontario, Canada. Loading and unloading apparatus. 2,246,482; June 17.

Black, Harold S., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translating system. 2,245,565; June 17.

Blackburn, Philip W., East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. High intensity stroboscopic lamp. 2,246,486; June 17.

Blackmore, Lloyd, assignor to General Motors Corporation, Detroit, Mich. Fastening device. 2,245,751; June 17.

Blatchford, Carter, Incorporated. (See Wilbur, Lawrence S., assignor.)

Blaw-Knox Company. (See McDonnell, Edward J., assignor.)

Blewett, John P., Scotia, N. Y., assignor to General Electric Company. High frequency apparatus. 2,246,121; June 17.

Blomberg, Martin P., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Railway brake rigging. 2,246,340; June 17.

Bodde, Bernard M., Hollywood, Calif. Picture projection screen and making the same. 2,245,896; June 17.

Bohn Aluminum & Brass Corporation. (See Enderich, W. S., and Eggenschwiler, assignors.)

Bollenrath, Franz. (See Rohn, W., Bollenrath, and Cornelius.)

Bolton, John W., Hamilton, assignor to The Lunkenheimer Company, Cincinnati, Ohio. Welding rod. 2,245,566; June 17.

Bone, Herbert L., and J. W. Livingston, Forest Hills, assignors to The Union Switch & Signal Company, Swissvale, Pa. Drive mechanism for axle driven speed responsive devices for railway trains. 2,245,897; June 17.

Boott Mills. (See Peloquin, Isaac P., assignor.)

Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Wetting agent and producing the same. 2,245,643; June 17.

Bossel, Hugo. (See Hennicke, A., and Bossel.)

Bowman, James A. (See Tipton, L. J., Yagge, and Bowman.)

Boyd, Frank C. (See Froome, C. W., and Boyd.)

Bradford, William, Taunton, Mass. Electrical heating pad. 2,246,238; June 17.

Bradley Washfountain Company. (See Mullett, Howard A., assignor.)

Bradt, Ardon A., Niagara Falls, N. Y. Coin operated vending machine. 2,245,898; June 17.

Braid, Maude, Hartsdale, N. Y. Dental alloy. 2,246,288; June 17.

Braley, Orville A. (See Stoesser, S. M., and Braley.)

Braloff, Henry, Rockville Centre, N. Y. Building construction. 2,245,644; June 17.

Brand, Frederick F., Pittsfield, Mass., assignor to General Electric Company. Wound core assembling arrangement. 2,246,239; June 17.

Brand, Frederick F., Pittsfield, Mass., assignor to General Electric Company. Wound core stationary induction apparatus. 2,246,240; June 17.

Brandt, Edgar W., Paris, France, assignor to Sageb, Société Anonyme de Gestion et d'Exploitation de Brevets, Fribourg, Switzerland. Projectile. 2,246,429; June 17.

Brandt, Robert L. (See Ross, J., Brandt, and Percy.)

Brant, Joseph H., and R. L. Hasche, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of unsaturated ketones. 2,245,567; June 17.

Brennan, Raymond F., Attleboro, Mass. Ornamental cross structure. 2,246,122; June 17.

Bretschneider, Hermann, and A. Salamon, Budapest, assignors to the firm Chinoin Gyogyszer És Vegyészeti Termékek Gyára R. T. (Dr. Kereszty & Dr. Wolf), Ujpest, Hungary. Preparation of progesterone. 2,246,341; June 17.

Brockhaus, Siegfried, Essen, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Reversing system for asynchronous motors. 2,246,289; June 17.

Brown, Charles L., Jr., Stamford, Conn., assignor to Electrolux Corporation. Locking mechanism for closure members. 2,245,752; June 17.

Brown, Daniel, Burlington, N. J. Washer cutter. 2,245,959; June 17.

Brown, Elmer L., assignor to J. B. Smith, as trustee, San Francisco, Calif. Radio signaling system. 2,245,645; June 17.

Brown Instrument Company. (See Krogh, Anker E., assignor.)

Brown Instrument Company, The. (See Sparrow, Hubert T., assignor.)

Brown, Joseph D., Burlington, Colo. Humidity drawer. 2,246,342; June 17.

Brown, Leonard. (See Francisco, Charles H. and W., and Brown.)

Brown, Ray W., assignor to The General Tire & Rubber Company, Akron, Ohio. Fuel dispensing nozzle. 2,245,753; June 17.

Brown, Stanley C., and E. R. Keller, Springfield, Mass. Safety binding. 2,245,850; June 17.

Broxon, Errett C., Cincinnati, Ohio. Brake shoe grinder. 2,246,290; June 17.

Brubaker, Merlin M. (See Bailey, E. D., and Brubaker.)

Bruehlman, Henry G., Toledo, Ohio. Concrete form holding clip. 2,246,343; June 17.

Brumfield, Ambrose T., New Salem, N. Dak. Track gauge. 2,246,430; June 17.

Brunner, Harry C. (See Wickerham, W. R., and Brunner.)

Brunswick-Balke-Collender Company, The. (See Fleischmann, Julius J., assignor.)

Bruun, Otto J., Copenhagen, Denmark. Tube. 2,246,123; June 17.

Buckeye Traction Ditcher Company, The. (See Van Voorhis, William G., assignor.)

Bühler, Gebrüder. (See Hummell, Charles, assignor.)

Bull, Eric W., South Norwood, London, assignor to Electric and Musical Industries, Limited, Hayes, Middlesex, England. Cathode-ray tube circuits. 2,246,291; June 17.

Bundy, Ora. (See Fairbanks, Philip R., assignor.)

Bunker, Louis G. (See Juergens, John, assignor.)

Burt, Fred R., Murrysville, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,246,292; June 17.

Bryant Chucking Grinder Company. (See Arms, Merton H., assignor.)

Buhman, Henry A. (See Castle, George F., assignor.)

Bullivant, Lingham J., Zion, Ill. Extension plumb rod. 2,245,646; June 17.

Burby, James D., Hastings-on-Hudson, and J. L. Whitten, Cleveland, Ohio, assignors to Anaconda Wire and Cable Company, New York, N. Y. Apparatus for annealing coiled strip. 2,245,647; June 17.

Burdick, Richard, et al. (See Pollard, John H., assignor.)

Busse, Edwin G. (See Osner, C. W., and Busse.)

Byron Jackson Co. (See Jones, Ralph W., Jr., assignor.)

Cadwell, Leon L. (See Williams, B. E., and Cadwell.)

Calderwood, Arthur J., Traer, Iowa. Fastening means. 2,246,344; June 17.

Caldwell, Harry J., assignor to Barnes Drill Company, Rockford, Ill. Horizontal honing machine. 2,246,199; June 17.

Campbell, Alphonso S., Winchester, assignor to A. S. Campbell Co., Inc., East Boston, Mass. Mounting of license plates. 2,245,851; June 17.

Campbell, A. S., Co. (See Campbell, Alphonso S., assignor.)

Campbell, Harris S., Bryn Athyn, Pa. Manual starter for aircraft engines. 2,245,754; June 17.

Campbell, John A., Quincy, Mass. Guard arm for protection of passengers in motor vehicles. 2,245,899; June 17.

Campbell, Julian A., Long Beach, Calif. Valve seal. 2,245,648; June 17.

Campbell, Oliver F., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Catalytic cracking. 2,246,345; June 17.

Canfield, Robert H., Washington, D. C. Method of and apparatus for examining ferromagnetic articles. 2,245,568; June 17.

Canno, Madison M., Jr., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Operating mechanism for glass feeder plungers. 2,246,461; June 17.

Caprio, Amerigo F., assignor to Celluloid Corporation, Newark, N. J. Lubricant and making same. 2,245,649; June 17.

Carbide and Carbon Chemicals Corporation. (See Patton, Carl W., assignor.)

Carew, Herman, Easton, Pa., assignor to Dixie-Vortex Company, Chicago, Ill. Making paper cups. 2,245,900; June 17.

Carlson, George, Bridgeport, Conn., assignor to General Electric Company. Armored cable construction. 2,246,124; June 17.

Carlson, George. (See Rugg, E. H., and Carlson.)

Carnation Company. (See Nelson, V., and Herro, assignors.)

Carnegie-Illinois Steel Corporation. (See Quigley, Winfred M., assignor.)

Carpenter, Walter E., West Caldwell, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Headlight with indicator. 2,245,755; June 17.

Carrier Corporation. (See Ashley, Carlyle M., assignor.)

Carrier Corporation. (See Lewis, Leo L., assignor.)

Carrier Corporation. (See Waterfill, R. W., and Ashley, assignors.)

Carroll, Wells W., Plandome, assignor to Columbia Wax Products Co., Ozone Park, N. Y. Illuminating device. 2,246,346; June 17.

Carter Carburetor Corporation. (See Coffey, Irven E., assignor.)

Casco Products Corporation. (See Bahr, Gustave F., assignor.)

Castle, George F., assignor of one-half to H. A. Buhman, Baltimore, Md. Brake controlled accelerator. 2,245,852; June 17.

Catherwood, William S., Jr., Brooklyn, N. Y., assignor to Metropolitan Device Corporation. Meter cabinet. 2,246,347; June 17.

Cattell, Gilbert W., Berkeley, Calif. Key-click eliminator circuit. 2,245,569; June 17.

Cavanaugh, Luke C., and H. V. Roohk, Cleveland, Ohio. Communicating system. 2,245,756; June 17.

Cazenave, Fernando, Buenos Aires, Argentina. Cock and the like. 2,245,757; June 17.

Celanese Corporation of America. (See Bell, A. S., and Angus, assignors.)

Celluloid Corporation. (See Caprio, Amerigo F., assignor.)

Centervall, Hugo A., Eslov, Sweden, assignor to Manly Corporation, New York, N. Y. Fluid pressure device. 2,245,570; June 17.

Chain Belt Company. (See Klaucke, Hermann, assignor.)

Chance, A. B., Company. (See Hubbard, David C., assignor.)

Chaney, John L., and R. C. Wappner, Springfield, Ohio. Thermometer. 2,246,241; June 17.

Chappell, James F., Mineola, Tex. Fishing tool. 2,245,571; June 17.

Charbonneau, Allan P. (See Kuhn, C. W., and Charbonneau.)

Chase, Theron P., assignor to General Motors Corporation, Detroit, Mich. Brake. 2,246,242; June 17.

Chaskin, Harold, New York, N. Y. Mounting for surveyor's targets. 2,245,901; June 17.

Cheeseman, Ralph T., Lynn, Mass., assignor to General Electric Company. Battery charging. 2,246,163; June 17.

Chernack, Abel E., Paris, France. Flexible tube. 2,245,758; June 17.
Cheston, Arthur S., assignor of one-half to H. L. Sleigh, Birmingham, England. Glazing windows. 2,246,409; June 17.
Chicago Railway Equipment Company. (See Osner, C. W., and Busse, assignors.)
Chinoin Gyogyszer És Vegyészeti Termékek Gyára R. T. (Dr. Kereszty & Dr. Wolf). (See Bretschneider, H., and Salamon, assignors.)
Chrisman, Horace, Edgewood, assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Fluid meter impeller. 2,245,759; June 17.
Christiansen, Walter G., Glen Ridge, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Preparing arsanilic acid. 2,245,572; June 17.
Christopherson, Ovie N., Minneapolis, Minn. Grain separating machine. 2,245,650; June 17.
Church, Walter L., Houston, Tex. Well pump. 2,246,416; June 17.
Cities Service Oil Company. (See Franzman, John J., assignor.)
Cities Service Oil Company. (See Wydler, Johann J., assignor.)
Claire, Guy K., Rolling Hills, assignor of one-third to A. L. Armentrout, one-third to E. B. Hall, and one-third to V. P. Baker, Los Angeles, Calif. Rotary well drilling apparatus. 2,245,960; June 17.
Clark, Francis R., assignor to Package Machinery Company, Springfield, Mass. Machine for wrapping lollipops. 2,246,243; June 17.
Clay, Joseph B., assignor to Clay Equipment Corp., Cedar Falls, Iowa. Fabric retaining means. 2,245,961; June 17.
Clay Equipment Corp. (See Clay, Joseph B., assignor.)
Clements Mfg. Co. (See Clements, William J., assignor.)
Clements, William J., assignor to Clements Mfg. Co., Chicago, Ill. Vacuum cleaner. 2,245,760; June 17.
Clements, William J., assignor to Clements Mfg. Co., Chicago, Ill. Motor and fan assemblies for vacuum cleaners. 2,245,761; June 17.
Clementz, Ernst A., Linkoping, Sweden. Ruler attachment for facilitating the drawing of parallel lines. 2,246,088; June 17.
Cleveland Patents, Incorporated. (See Hickok, Robert D., assignor.)
Clum Manufacturing Company. (See Winning, Robert K., assignor.)
Cochran, William D., Iron Mountain, Mich. Chip dispenser. 2,246,431; June 17.
Coffey, Irven E., Normandy, assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor throttle control. 2,246,348; June 17.
Cohen, Sol, Atlanta, Ga. Tray support. 2,246,432; June 17.
Cohn, Harold J., Los Angeles, Calif., assignor to Automatik Venetian Hardware Corporation. Venetian blind tilting mechanism. 2,245,902; June 17.
Coleman, Frank H., Lake City, Fla. Cigar or cigarette holder. 2,246,433; June 17.
Coleman, Gerald H., R. M. Wiley, and B. C. Hadler, assignors to The Dow Chemical Company, Midland, Mich. Reaction of vinylidene dihalides with alcoholates. 2,245,962; June 17.
Coleman Lamp and Stove Company, The. (See Tullis, Boyd W., assignor.)
Colgate-Palmolive-Peet Company. (See Ross, J., Brandt, and Percy, assignors.)
Collard, John, Hammersmith, London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Resistance element. 2,246,293; June 17.
Collins Loom Works, Inc. (See Kellogg, W. D., and Fradenburgh, assignors.)
Columbia Wax Products Co. (See Carroll, Wells W., assignor.)
Cone, Ralph R., New York, N. Y., assignor to Lily Mills Company, Shelby, N. C. Apparatus for making pompons. 2,245,903; June 17.
Consley, John C., assignor to York Ice Machinery Corporation, York, Pa. Refrigeration. 2,246,244; June 17.
Constantine, George R., Malden, assignor to The Service Wood Heel Co., Lawrence, Mass. Method of and machine for making wedge heels. 2,245,904; June 17.
Container Corporation of America. (See Van Saun, R. H., Ferguson, and Treharne, assignors.)
Cook, Willard G., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,246,294; June 17.
Cook, Willard G., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system for electrical apparatus. 2,246,295; June 17.
Conney, William H. (See Work, R. W., and Cooney.)
Cooper, Peter, Corporation. (See Hubbard, John R., assignor.)
Corn Products Refining Company. (See Swallen, L. C., and Reintjes, assignors.)
Cornelius, Heinrich. (See Rohn, W., Bollenrath, and Cornelius.)
Cornell, Edward S., Jr., Larchmont, N. Y. Turbine control valve. 2,246,033; June 17.
Cosmocolor Corporation. (See Gilmore, Otto C., assignor.)
Coultrip, Raymond L. (See Winborne, R. A., and Coultrip.)
Court, Frank T. (See Neighbour, L. B., and Court.)
Court, William F., Webster Groves, Mo., assignor to Shell Development Company, San Francisco, Calif. Hydraulic disruption of solids. 2,245,554; June 17.
Court, William F., Chicago, Ill., assignor to Shell Development Company, San Francisco, Calif. Hydraulic disruption of solids. 2,245,575; June 17.
Craig, James R., and C. W. Swartout, Kenmore, N. Y., assignors to The Linde Air Products Company. Mold coating. 2,245,651; June 17.
Crawford, Thomas G., Glenville, N. Y., assignor to General Electric Company. Electric discharge device. 2,246,125; June 17.
Crickmer, Charles S., assignor to Merla Tool Corporation, Dallas, Tex. Tubing coupling. 2,245,963; June 17.
Criley, William W., assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Forging press. 2,245,573; June 17.
Crocker, H. S., Co. (See Cronenwett, Fred M., assignor.)
Cromwell, Florence L. (See James, William, assignor.)
Cronenwett, Fred M., assignor to H. S. Crocker Co., Inc., San Francisco, Calif. Dairy order indicator. 2,245,964; June 17.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency modulator. 2,246,164; June 17.
Crown Cork & Seal Company. (See Pearson, Thomas F., assignors.)
Crown Rheostat & Supply Co. (See Huenerfauth, George E., assignor.)
Crum, John A., Arlington Heights, assignor to The Nivison-Weiskopf Company, Reading, Ohio. Fly ash trap. 2,246,349; June 17.
Cunin, Hyman, Washington, D. C. Lintel. 2,245,965; June 17.
Cutler-Hammer, Inc. (See Kuhn, C. W., and Charbonneau, assignors.)
Cyclone Fence Company. (See Harter, Noah S., assignor.)
Dally, Albert J. (See Godshalk, John I., assignor.)
Damsberg, Carl. (See Tandberg, J. G., and Damsberg.)
Dandurand, Albert L. (See Nourse, R. C. C., Klein, and Dandurand.)
Danhaus, Russel H., assignor to Electric Wheel Co., Quincy, Ill. Variable track wheel construction. 2,245,574; June 17.
Darby, Ernest R., assignor to Federal-Mogul Corporation, Detroit, Mich. Bearing alloy. 2,246,462; June 17.
Davenport, Franklyn E., Watertown, N. Y., assignor to Knowlton Brothers. Manufacturing stereotype mats. 2,245,555; June 17.
Davidson, Lawson L., Grand Rapids, Mich. Display form. 2,245,905; June 17.
Davidson Manufacturing Company. (See Wishart, William W., assignor.)
Davidson, William W., Evanston, Ill. Rotary couple pump. 2,246,271; June 17.
Davidson, William W., Evanston, Ill. Rotary pump. 2,246,272; June 17.
Davidson, William W., Evanston, Ill. Rotary pump. 2,246,273; June 17.
Davidson, William W., Evanston, Ill. Rotary pump. 2,246,274; June 17.
Davidson, William W., Evanston, Ill. Rotary pump. 2,246,275; June 17.
Davidson, William W., Evanston, Ill. Pump. 2,246,276; June 17.
Davidson, William W., Evanston, Ill. Rotary pump. 2,246,277; June 17.
Davies, Clarence J., assignor to National Automotive Fibres, Inc., Detroit, Mich. Applicator. 2,246,126; June 17.
Davis, Harold C., Clarkwood, Tex. Liquid level control. 2,245,966; June 17.
Davis, Herbert. (See Engelbaugh, H. E., and Davis.)
Davis, Horace A., Larchmont, N. Y., assignor to General Electric Company. Vehicle braking system. 2,246,127; June 17.
Davis, Marion N., The Dalles, Oreg. Landing net carrier. 2,246,089; June 17.
Davis Raymond G., Bellevue, Del. Preparing activated carbon. 2,245,579; June 17.
Dawihl, Walther, Berlin-Kohlhasenbruck, and H. Franssen, Essen, Germany, assignors to General Electric Company. Producing sintered hard metal from pulverulent materials. 2,246,165; June 17.
Dawihl, Walther, Berlin-Kohlhasenbruck, and K. Schröter, Berlin, Germany, assignors to General Electric Company. Sintered hard-metal alloy for implements and tools. 2,246,166; June 17.
Dayton Pump and Mfg. Company, The. (See Eickmeyer, E. E., and Horvath, assignors.)
Deakers, Thorpe W., and L. A. Schmucker, Los Angeles, Calif. Cosmetic device. 2,245,906; June 17.
Deere & Company. (See Neighbor, L. B., and Court, assignors.)
De Florez, Luis, assignor to National Aviation Research Corporation, New York, N. Y. Control of moving craft. 2,246,203; June 17.
Delmel, Albert H. (See Peterson, C. D., and Delmel.)
Dennington, Arthur R. (See Stoddard, R. N., and Dennington.)

Dentists' Supply Company of New York, The. (See Whiteley, Joseph O., Jr., assignor.)
D'Entremont, Franklin R., Lynn, Mass., assignor to General Electric Company. Transformer. 2,246,167; June 17.
Deschimag. (See Kiep, Johann N., assignor.)
De Stefani, Tully, and R. Yuza, assignors to The Liquid Carbonic Corporation, Chicago, Ill. Sterilizer. 2,245,762; June 17.
Detroit Harvester Company. (See Fraser, Malcolm W., assignor.)
Dewitz, Hilmar G., Berlin-Neukolln, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Switching arrangement for electrical circuits. 2,245,763; June 17.
Dezso, Joseph A., South Bend, Ind. Automatic magnetic key sustaining device for keyboard musical instruments. 2,246,434; June 17.
Dickert, James E., Highland Park, Ill., assignor to World Broadcasting System, Inc., New York, N. Y. Method of and apparatus for the reproduction of sound. 2,245,652; June 17.
Dickinson, Arnold G., Lunenburg, Mass., and P. B. Myers, Scarsdale, assignors to Sardik Incorporated, Jersey City, N. J. Method of protecting and preserving food products. 2,245,576; June 17.
Dieckman, Frederick C., Rome, Ind. Motor. 2,245,577; June 17.
Dierker, Hugh E., Los Angeles, Calif. Therapeutic apparatus. 2,245,653; June 17.
Dillenbach, Daniel S., Hastings, Nebr. Valve mechanism for steam engines. 2,246,435; June 17.
Dillon Patents Limited. (See Dillon, Thomas A., assignor.)
Dillon, Thomas A., assignor to Dillon Patents Limited, Toronto, Ontario, Canada. Vibrating apparatus. 2,246,483; June 17.
Dillon, Wendell M., North Andover, assignor to Watts Regulator Company, Lawrence, Mass. Circulation controller. 2,245,967; June 17.
Di Toro, Michael J., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Oscillation translating system. 2,246,296; June 17.
Dixie-Vortex Company. (See Carew, Herman, assignor.)
Dome, Robert, and P. Jaross, Budapest, Hungary. Universal joint. 2,245,764; June 17.
Dome, Robert B., Bridgeport, Conn., assignor to General Electric Company. Deflecting system for cathode ray devices 2,246,168; June 17.
Dominion Engineering Works Limited. (See Muir, W. P., and Maude, assignors.)
Doolan, James P., assignor to The Timken Roller Bearing Company, Canton, Ohio. Lubricating device. 2,245,765; June 17.
Door Glow Lite Company. (See Webster, Walter W., assignor.)
Dörfel, Werner, Berlin-Siemensstadt, E. Fischer, Berlin-Lichterfelde, and H. Lintzel, Berlin-Siemensstadt, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Self-supporting hollow conductor for electric cables. 2,245,766; June 17.
Dotti, Joseph, Madison, Wis. Cutting tool. 2,246,350; June 17.
Dow Chemical Company, The. (See Coleman, G. H., Wiley, and Hadler, assignors.)
Dow Chemical Company, The. (See Robinson, Harold A., assignor.)
Dow Chemical Company, The. (See Stoesser, S. M., and Braley, assignors.)
Dow, Louis F., Company. (See Rieck, Charles D., assignor.)
Downey, George T., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa. Sealed pipe joint. 2,246,436; June 17.
Drader, Joseph C., and J. D. Rovick, Detroit, Mich., assignors to Michigan Tool Company. Gear lapping and finishing machine. 2,245,654; June 17.
Drader, Joseph C., Detroit, Mich. Cutting machine. 2,245,907; June 17.
Drake, George F., assignor to Barber-Colman Company, Rockford, Ill. Grille core. 2,245,908; June 17.
Dresner, S., & Sons, Inc. (See Plotkin, Joseph H., assignor.)
Dritz-Traum Company. (See Traum, David, assignor.)
Duisberg, Walther H. (See Hirschberg, Gerhard, assignor.)
Duisberg, Walther H. (See Schlack, Paul, assignor.)
Dukes, Jesse L., assignor to T. S. Webb, Fort Worth, Tex. Holder for cue tips and the like. 2,245,655; June 17.
Dumur, Frank. (See Panschert, Theodor, assignor.)
Duncan, Gordon W., Scotch Plains, and J. M. Whiteley, Jr., Westfield, N. J., assignors to Standard Oil Development Company. Solvent extraction process. 2,246,297; June 17.
Duncan & Miller Glass Company. (See May, Robert A., assignor.)
Dunham, Byron W. (See Bell, D. S., and Dunham.)
Du Pont, E. I., de Nemours & Company. (See Arnold, Luther B., Jr., assignor.)
Du Pont, E. I., de Nemours & Company. (See Austin, Paul R., assignor.)
Du Pont, E. I. de Nemours & Company. (See Bailey, E. D., and Brubaker, assignors.)
Du Pont, E. I., de Nemours & Company. (See Gilman, Lucius, assignor.)
Du Pont, E. I., de Nemours & Company. (See Graves, Stuart, assignor.)
Du Pont, E. I., de Nemours & Company. (See McEnamy, Frederick L., assignor.)
Durant, Lyndon A. (See Williams, H. E., and Durant.)
Dyer, Lloyd W., Wilkinsburg, and T. A. Jordan, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Latch checking means for circuit breaker mechanisms. 2,246,298; June 17.
Eagleson, Jesse G., Rosedale Station, Kans. Tree transplanting apparatus. 2,245,853; June 17.
Eastman, Fred C., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Shoe machine. 2,245,580; June 17.
Eastman Kodak Company. (See Brant, J. H., and Hasche, assignors.)
Eastman Kodak Company. (See Gallagher M., and Hasche, assignors.)
Eastman Kodak Company. (See Riddell, William A., assignor.)
Eastman Kodak Company. (See Schinzel, Karl and L., assignors.)
Eastty, Robert B. (See Kehoe, R. D., Eastty, and Sayre.)
Eaton Manufacturing Company. (See Voorhies, Carl, assignor.)
Eberhardt, Ernst, Ludwigshafen-on-the-Rhine, and R. Stadler, Heidelberg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Diacetyl from methyl vinyl ketone. 2,246,299; June 17.
Eckart, Hugo, and J. E. McClellan, Los Angeles, Calif. Rigid welded frame. 2,246,245; June 17.
Edgewater Steel Company. (See Bell, D. S., and Dunham, assignors.)
Edison General Electric Appliance Company. (See Winborne, R. A., and Coultrip, assignors.)
Edison, Thomas A., Incorporated. (See Di Toro, Michael J., assignor.)
Eggenschwiler, Charles E. (See Enderich, W. S., and Eggenschwiler.)
Egry Register Company. (See Pfeiffer, William C., assignor.)
Eickmeyer, Earl E., and A. G. Horvath, assignors to The Dayton Pump and Mfg. Company, Dayton, Ohio. Single control softener valve. 2,245,767; June 17.
Ekstrand, Sture O., Ridgefield Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,245,581; June 17.
Electric and Musical Industries, Limited. (See Bull, William E., assignor.)
Electric & Musical Industries Limited. (See Collard, John, assignor.)
Electric & Musical Industries Limited. (See Mitchell, Frank A., assignor.)
Electric & Musical Industries Limited. (See White E. L. C., and Hardwick, assignors.)
Electric Wheel Co. (See Danhaus, Russell H., assignor.)
Electroloy Company. (See Taylor, Richard H., assignor.)
Electrolux Corporation. (See Brown, Charles L., Jr., assignor.)
Electrolux Corporation. (See Hedlund, William T., assignor.)
Ellison, Eli, Jackson Heights, assignor to Universal Camera Corporation, New York, N. Y. Winding device for cameras. 2,246,034; June 17.
Elliot, Anna M., Dallas, Tex. Cold cream shield. 2,246,035; June 17.
Ellison, Edna M., assignor of one-half to E. G. Kerrigan, Portland, Oreg. Stocking and shoulder support. 2,245,556; June 17.
Emulsol Corporation, The. (See Katzman, Morris B., assignor.)
Emery Industries, Inc. (See Lohman, C. J., and Myers, assignors.)
Enderich, Winfield S., and C. E. Eggenschwiler, assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich. Apparatus for rapidly cooling bearings and the like. 2,245,578; June 17.
Enfiajian, Helen, Los Angeles, Calif. Cushioning and supporting device. 2,245,909; June 17.
Engelbaugh, Harold E., Youngstown, and H. Davis, Poland, assignors to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Water-cooled guide shoe for piercing mills. 2,245,656; June 17.
Engleke, Edmund, North Bergen, N. J. Scoring and breaking device for tiles. 2,246,351; June 17.
Entwistle, George, Jr. (See Gothard, N. J., and Entwistle.)
Eppler, Andrew, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Apparatus for applying adhesive to shoe parts. 2,245,657; June 17.
Eraser Company, The. (See Roesch, Rudolph G., assignor.)
Erdman, Calvin, Claremont, Calif. Portable grinding device. 2,245,968; June 17.
Erickson, Clarence N., Glendale, Calif. Inhaling device. 2,245,658; June 17.

Ericson, Franklin R., Marblehead, Mass., assignor to General Electric Company. Governing mechanism for elastic fluid turbines. 2,246,169; June 17.
Everett, Arthur C., Boston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Labeling machine. 2,245,659; June 17.
Evers, William L. (See Moran, R. C., Evers, and Fuller.)
Exolon Company, The. (See Walton, Samuel F., assignor.)
Fafnir Bearing Company, The. (See Searles, Raymond R., assignor.)
Fairbanks, Morse & Co. (See Owens, James W., assignor.)
Fairbanks, Philip R., assignor of one-half to O. Bundy, Ogden, Utah. Control for dump truck tail gates. 2,246,128; June 17.
Fairman, Francis E., Jr., South Ardmore, Pa., assignor to General Electric Company. Electric circuit breaker. 2,246,129; June 17.
Falkiner, Ralph S., Melbourne, Australia, assignor, by mesne assignments, to United States Sugar Corporation. Cleaning drum for cane harvesting apparatus. 2,246,352; June 17.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake system. 2,246,200; June 17.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake mechanism. 2,246,201; June 17.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Drain valve control means. 2,246,202; June 17.
Farrell, Basil M., Warren, Pa. Device for cleaning Venetian blinds. 2,246,036; June 17.
Fashion Curtain Company, The. (See Wright, Lorance R., assignor.)
Federal-Mogul Corporation. (See Darby, Ernest R., assignor.)
Feldman, Carl B. H., and H. T. Friis, Rumson, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio system. 2,245,660; June 17.
Felix, Friedrich, and W. Huber, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuffs. 2,245,971; June 17.
Ferguson, John L. (See Van Saun, R. H., Ferguson, and Treharne.)
Fernseh Aktiengesellschaft. (See Below, Fritz, assignor.)
Ferrary, Ferdinand F., Brooklyn, N. Y. Toy desk and seat. 2,245,768; June 17.
"Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung. (See Pietsch, Herbert, assignor.)
Fieroh, Robert W., Chicago, Ill. Safety scaffold attachment for ladders. 2,245,661; June 17.
Filer, John J., assignor of forty-five per cent to I. Shapiro and ten per cent to A. Levy, Houston, Tex. Bed rail lock. 2,246,090; June 17.
Finkelstein, Abraham L., assignor to Snug-Fit Foundations Inc., New York, N. Y. Brassière. 2,245,910; June 17.
Finley, Karl L. (See Spreng, W. M., and Finley.)
Fischer, Ernst. (See Dörfel, W., Fischer, and Lintzel.)
Flamm, Alexander L., Fairfield, Conn. Skate. 2,245,769; June 17.
Fleischmann, Julius J., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Chalk holder. 2,245,854; June 17.
Fletcher, Allen H., Bakersfield, Calif. Lock for doors or gates. 2,245,855; June 17.
Flygare, Carl G. (See Wood, W. H., and Flygare.)
Folding Boxes, Incorporated. (See Nourse, R. C. C., Klein, and Dandurand, assignors.)
Food Machinery Corporation. (See Kerr, Charles E., assignor.)
Ford, James G., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Bushing. 2,246,300; June 17.
Forstner Chain Corporation. (See Forstner, William, assignor.)
Forstner, William, Irvington, N. J., assignor to Forstner Chain Corporation. Key chain construction. 2,246,091; June 17.
Forstrom, Edward W., Stratford, Conn., assignor to General Electric Company. Mounting arrangement for phonograph tone arms. 2,246,130; June 17.
Foster, Dudley E., South Orange, N. J., assignor to Radio Corporation of America. Antenna tuning circuit. 2,245,662; June 17.
Foster, John H. (See Lockwood, E. J., and Foster.)
Fountain, Lawrence L. (See Kovalsky, J. F., and Fountain.)
Fradenburgh, John. (See Kellogg, W. D., and Fradenburgh.)
Francisco, Charles H. and W., and L. Brown, San Francisco, Calif. Nasal inhaler. 2,245,969; June 17.
Francisco, William. (See Francisco, Charles H. and W., and Brown.)
Franssen, Hermann. (See Dawihl, W., and Franssen.)
Frantz, Forrest H., Coplay, Pa. Straight scale indicator. 2,245,970; June 17.
Franzman, John J., Freeport, assignor to Cities Service Oil Company, New York, N. Y. Apparatus for testing used lubricating oils. 2,245,557; June 17.
Franzmann, Emile C., Arlington, Mass. Stencil cutting die. 2,245,770; June 17.
Fraser, Malcolm W., Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich. Planetary pump. 2,246,487; June 17.
Fraser, Malcolm W., Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich. Planetary pump. 2,246,488; June 17.
French Renovating Company, The. (See Snyder, Victor C., assignor.)
Friberg, Bengt F., assignor to Laclede Steel Company, St. Louis, Mo. Dowel assembly for paving joints. 2,245,972; June 17.
Frick, Harold L., assignor to H. L. F. Appliance Corporation, Chicago, Ill. Ironing machine. 2,245,911; June 17.
Frieders, Robert T., Menasha, assignor to Marathon Paper Mills Company, Rothschild, Wis. Carton. 2,246,484; June 17.
Friend Motor Company. (See Schultz, Richard A., assignor.)
Friis, Harald T. (See Feldman, C. B. H., and Friis.)
Froome, Clarence W., and F. C. Boyd, Los Angeles County, assignors to Union Oil Company of California, Los Angeles, Calif. Well drilling. 2,246,418; June 17.
Fruehe, Rudolph C., Skokie, Ill. Toy. 2,245,973; June 17.
Fuller, Everett W. (See Moran, R. C., Evers, and Fuller.)
Ful-Vue Sales Company, The. (See Kimmel, George P., assignor.)
Gaedig, Otto J., St. Louis, assignor to Sefton Fibre Can Company, Maplewood, Mo. Spout construction. 2,246,353; June 17.
Gallagher, Milton, Louisville, Ky., and R. L. Hasche, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of unsaturated aldehydes. 2,245,582; June 17.
Gallagher, Milton, Louisville, Ky., and R. L. Hasche, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of unsaturated aldehydes. 2,246,037; June 17.
Galter, Jack, assignor to V. Nemeroff, Chicago, Ill. Bed lamp. 2,245,663; June 17.
Gardner Machine Company. (See Shue, Ingle R., assignor.)
Garlinghouse, Leslie H., Los Angeles, Calif. Clamshell gate for containers. 2,246,354; June 17.
General Electric Company. (See Stephenson, Hugh M., assignor.)
Gerber, Walter H., assignor to Schutte & Koerting Company, Philadelphia, Pa. Luminous scale rotameter. 2,246,464; June 17.
Gerlough, Tillman D., Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Antiserum. 2,246,355; June 17.
Garratt, Louis D., New Castle, assignor to Industrial Colloids Company, Emlenton, Pa. Treatment of mold surfaces. 2,246,463; June 17.
Gasoline Products Company. (See Lobo, Walter E., assignor.)
Gasoline Products Company. (See Wilson, Dustin W., assignor.)
Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Article of wearing apparel and making it. 2,246,246; June 17.
Gates Rubber Company, The. (See Van Nattan, Verle, assignor.)
Gebhardt, Hans T. (See Griffin, H. L., Robb, Titus, and Gebhardt.)
Gemex Company. (See Prestinari, E., and Haeffner, assignors.)
General Aniline & Film Corporation. (See Heinrich, Ernst, assignor.)
General Aniline & Film Corporation. (See Lange, Heinrich, assignor.)
General Aniline & Film Corporation. (See Schlissler, H., Morschel, and Meiser, assignors.)
General Chemical Company. (See Melendy, Jesse G., assignor.)
General Dry Batteries, Inc. (See Sidnell, Robert G., assignor.)
General Electric Company. (See Adenstedt, H., and Wittke, assignors.)
General Electric Company. (See Benjamin, Mark, assignor.)
General Electric Company. (See Blewett, John P., assignor.)
General Electric Company. (See Brand, Frederick F., assignor.)
General Electric Company. (See Carlson, George, assignor.)
General Electric Company. (See Cheeseman, Ralph T., assignor.)
General Electric Company. (See Crawford, Thomas G., assignor.)
General Electric Company. (See Davis, Horace A., assignor.)
General Electric Company. (See Dawihl, W., and Franssen, assignors.)
General Electric Company. (See Dawihl, W., and Schröter, assignors.)

General Electric Company. (See D'Entremont, Franklin R., assignor.)
General Electric Company. (See Dome, Robert B., assignor.)
General Electric Company. (See Ericson, Franklin R., assignor.)
General Electric Company. (See Fairman, Francis E., Jr., assignor.)
General Electric Company. (See Forstrom, Edward W., assignor.)
General Electric Company. (See Gooskens, Henricus, assignor.)
General Electric Company. (See Grosse, Vitaly, assignor.)
General Electric Company. (See Harrington, Richards H., assignor.)
General Electric Company. (See Hauffe, F., and Kropp, assignors.)
General Electric Company. (See Herskind, Carl C., assignor.)
General Electric Company. (See Hull, Albert W., assignor.)
General Electric Company. (See Levoy, Louis G., Jr., assignor.)
General Electric Company. (See Lord, Harold W., assignor.)
General Electric Company. (See Lum, Walter O., assignor.)
General Electric Company. (See Lundstrom, Axel W., assignor.)
General Electric Company. (See McMorris, William A., assignor.)
General Electric Company. (See Morton, Lysle W., assignor.)
General Electric Company. (See Moyer, Elmo E., assignor.)
General Electric Company. (See Olsson, Gosta E., assignor.)
General Electric Company. (See Palme, A., and McCarty, assignors.)
General Electric Company. (See Pepper, Carl P., assignor.)
General Electric Company. (See Pratt, William H., assignor.)
General Electric Company. (See Prince, David C., assignor.)
General Electric Company. (See Rich, Theodore A., assignor.)
General Electric Company. (See Roder, Hans, assignor.)
General Electric Company. (See Rugg, E. H., and Carlson, assignors.)
General Electric Company. (See Smith, Sidney R., Jr., assignor.)
General Electric Company. (See Staak, Julius H., assignor.)
General Electric Company. (See Tröger, Richard, assignor.)
General Electric Company. (See West, Harry R., assignor.)
General Electric Company. (See Worcester, Joseph A., Jr., assignor.)
General Electric Company. (See Work, R. W., and Cooney, assignors.)
General Motors Corporation. (See Almen, John O., assignor.)
General Motors Corporation. (See Blackmore, Lloyd, assignor.)
General Motors Corporation. (See Blomberg, Martin P., assignor.)
General Motors Corporation. (See Chase, Theron P., assignor.)
General Motors Corporation. (See Koubek, J. L., and Mead, assignors.)
General Motors Corporation. (See Olley, Maurice, assignor.)
General Motors Corporation. (See Webb, Hartwell W., assignor.)
General Tire & Rubber Company, The. (See Brown, Ray W., assignor.)
General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
Gensmer, Theodore, Portland, Oreg. Copy holder. 2,245,912; June 17.
Giannini, Gabriel M., Great Neck, assignor to Transducer Corporation, New York, N. Y. Electric cable. 2,245,771; June 17.
Gilman Fanfold Corporation. (See Ritzhaupt, Roy H., assignor.)
Gilman, Lucius, Arden, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Bearing. 2,246,092; June 17.
Gilmore, Otto C., Van Nuys, Calif., assignor to Cosmocolor Corporation, Jersey City, N. J. Projection of pictures in colors. 2,246,093; June 17.
Gise, Frank G., York, assignor to The McKay Company, Pittsburgh, Pa. Buckle. 2,246,170; June 17.
Glas, Maurus, Schmalkalden-Naherstille, Germany. Tongs. 2,245,856; June 17.
Glazebrook, Russell F., Richmond, and L. Vaughan, Highland Springs, assignors to Larus & Brother Co., Inc., Richmond, Va. Carton sealer. 2,246,094; June 17.
Glidden Company, The. (See Julian, P. L., and Malter, assignors.)
Globe Company, The. (See Biedermann, O., and Bilek, assignors.)
Godshalk, John I., assignor of one-half to A. J. Dally, Bangor, Pa. Adjustable fastener for rainspout hangers. 2,246,247; June 17.
Goldblatt, Henry J. (See Landgraf, Myron J., assignor.)
Goodrich, B. F., Company, The. (See Alexander, C. H., and Tucker, assignors.)
Gooskens, Henricus, Eindhoven, Netherlands, assignor to General Electric Company. Electron emitting body. 2,246,131; June 17.
Gordon, George, Sacramento, Calif. Mechanical sign. 2,246,132; June 17.
Gorham, George V. (See Weber, Peter H. O., assignor.)
Gothard, Nelson J., and G. Entwistle, Jr., Chicago, Ill. assignors to Sinclair Refining Company, New York, N. Y. Lubricant. 2,245,772; June 17.
Government of the United States of America, as represented by the Secretary of War and his successors in office. (See Summerbell, William, assignor.)
Graf, Vincent J., assignor, by mesne asssignments, to Steel Plumbing Wares, Inc., Detroit, Mich. Apparatus for making portions of sinks. 2,246,204; June 17.
Graham, Audrey W., Ashville, Ohio, assignor to R. B. Arnold, Chicago, Ill. Short test terminal. 2,246,356; June 17.
Graham, Herbert W., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Integral joint drill pipe. 2,246,038; June 17.
Grand Rapids Store Equipment Company. (See Vanderveld, Anthony, assignor.)
Grant, Arthur C., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,245,773; June 17.
Graves, Stuart, Lansdowne, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition. 2,246,095; June 17.
Gray, Russell M., Palm Springs, Calif. Bedpan. 2,246,205; June 17.
Green, Walter H., assignor to International Filter Co., Chicago, Ill. Liquid treating process and apparatus. 2,245,583; June 17.
Greenstadt, Israel, Los Angeles, Calif. Purse holder. 2,246,039; June 17.
Greffe, André, La Bathie, Savoie, assignor to Societe d'Electrochimie, d'Electrometallurgie et des Acieries Electriques d'Ugine, Paris, France. Apparatus for rapidly effecting metallurgical operations. 2,246,133; June 17.
Gregorek, Stephen T., Scranton, Pa. Bottle closure. 2,245,774; June 17.
Gridley, William C., and E. T. Magnus, assignors of one-half to said Gridley and one-half to P. M. Ball & Company, Oakland, Calif. Halved fruit inspection and sorting machine. 2,245,913; June 17.
Griffin, Gerald W. (See Kelly, W. O., and Griffin.)
Griffin, Harry L., Rockville Centre, A. R. Robb, Valley Stream, N. Y., R. W. Titus, and H. T. Gebhardt, Marysville, Ohio, assignors to Nestle's Milk Products, Inc., New York, N. Y. Machine for processing food products. 2,245,775; June 17.
Griswold, Frederick C., Port Jefferson, N. Y. Atomizing nozzle. 2,245,974; June 17.
Griswold, Frederick C., Port Jefferson, N. Y. Atomizing nozzle. 2,245,975; June 17.
Griswold, Frederick C., Port Jefferson, N. Y. Film scraping device. 2,245,976; June 17.
Groll, Herbert P. A., Hamburg-Wellingsbuttel, Germany, G. Hearne, Berkeley, and D. S. La France, Walnut Creek, assignors to Shell Development Company, San Francisco, Calif. Chlor-addition of nontertiary olefins. 2,245,776; June 17.
Gronert, August, Furstenwalde-on-the-Spree, Germany. Drying shaft for granular loose material. 2,245,664; June 17.
Grosse, Vitaly, Berlin-Lichterfelde, Germany, assignor to General Electric Company. Method of and apparatus for interrupting electric arcs. 2,246,171; June 17.
Grosser, John, Boston, Mass. Mop wringer. 2,246,248; June 17.
Guier, William, assignor to Unit Rig & Equipment Company, Tulsa, Okla. Power unit. 2,246,478; June 17.
Guild, Laurelle, Darien, Conn. Laminated pile fabric structure. 2,246,040; June 17.
H. L. F. Appliance Corporation. (See Frick, Harold L., assignor.)
Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Window supporting structure. 2,246,249; June 17.
Hadler, Bartholdt C. (See Coleman, G. H., Wiley, and Hadler.)
Haecker, Ernest, Philadelphia, Pa. Street printing apparatus. 2,245,777; June 17.
Haeffner, Emil. (See Prestinari, E., and Haeffner.)
Halberstadter, Joseph, assignor of one-half to L. Halberstadter, Newark, N. Y. Amusement device. 2,246,041; June 17.
Halberstadter, Louis. (See Halberstadter, Joseph, assignor.)
Hale, Jesse W., Newton, Mass. Change speed device. 2,245,857; June 17.

Hall, Elwin B., et al. (See Claire, Guy K., assignor.)
Hall, George W., Lewiston, and F. H. Mosher, assignors to American Sales Book Company, Inc., Niagara Falls, N. Y. Transfer strip for manifolding assembly. 2,246,042; June 17.
Hammond Company, The. (See Hammond, Grant, assignor.)
Hammond, Grant, assignor, by mesne assignments, to The Hammond Company, New Haven, Conn. Carburetor. 2,246,408; June 17.
Hampson-Tindale, Vere E., Wellington, New Zealand. Thermostat. 2,246,437; June 17.
Handke, Walter P., Dunlap, Iowa. Pitman connector bar. 2,245,778; June 17.
Handy Button Machine Co. of N. Y. Inc. (See Baritz, S., and Lerma, assignors.)
Hanks, Frederick W., Cleveland, Ohio. Meter construction. 2,246,250; June 17.
Hanna, Clinton R., Wilkinsburg, and S. Sentipal, East McKeesport; assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulator. 2,246,301; June 17.
Hanney, Angus F., assignor to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine. 2,246,251; June 17.
Hanson, Fred C., Omaha, Nebr. Laundry apparatus. 2,245,665; June 17.
Hardesty, James M., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making mortar bandages. 2,245,666; June 17.
Hardwick, John. (See White, E. L. C., and Hardwick.)
Harrie, James W., Oakland, assignor to Westinghouse Pacific Coast Brake Company, Emeryville, Calif. Steam boiler regulator. 2,245,914; June 17.
Harrington, Richards H., Schenectady, N. Y., assignor to General Electric Company. Heat treatment for aluminum base alloys. 2,246,134; June 17.
Harter, Noah S., Waukegan, Ill., assignor to Cyclone Fence Company. Welded-selvage screen cloth loom. 2,245,584; June 17.
Hartford-Empire Company. (See Cannon, Madison M., Jr., assignor.)
Hartford-Empire Company. (See Lyle, Aaron K., assignor.)
Hartrampf, Thomas R., McMinnville, Oreg. Spiral template. 2,245,915. June 17.
Hasche, Rudolph L. (See Brant, J. H., and Hasche.)
Hasche, Rudolph L. (See Gallagher, M., and Hasche.)
Haselton, Merton L. (See Marshall, J. C., and Haselton.)
Haselwood, Willis E., Elkhart, Ind. Fishing lure. 2,246,413; June 17.
Hauffe, Fritz, Berlin-Friedenau, and H. Kropp, Berlin-Treptow, Germany, assignors to General Electric Company. Heating device for glow cathodes. 2,246,302; June 17.
Hawaiian Pineapple Company Limited. (See Mehrlich, Ferdinand P., assignor.)
Hazeltine Corporation. (See Hergenrother, Rudolf C., assignor.)
Hazeltine Corporation. (See Rado, John A., assignor.)
Hearne, George. (See Groll, H. P. A., Hearne, and La France.)
Hedlund, William T., New Rochelle, N. Y., assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner. 2,246,438; June 17.
Heil, Sylvia E., Chicago, Ill. Cover for couches and the like. 2,245,779; June 17.
Heinmets, Ferdinand, Princeton, N. J. Machine for making tubes. 2,246,043; June 17.
Heinrich, Ernst, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline & Film Corporation, New York, N. Y. Acid wool dyestuffs. 2,245,780; June 17.
Heim, Emerson B., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Thread traverse mechanism. 2,246,465; June 17.
Helwig, Arthur A., Chicago, Ill., assignor, by mesne assignments, to Standard Railway Refrigerator Company. Refrigerator car. 2,245,916; June 17.
Hemphill Company. (See St. Pierre, Eugene, assignor.)
Hendra, John C. (See Mollart, A. J., and Hendra.)
Hennicke, Alfred, and H. Bossel, Hamburg-Altona, Germany. Stereoscopic camera. 2,246,439; June 17.
Henschel Flugzeug-Werke A. G. (See Salzmann, Josef, assignor.)
Henschel Flugzeug-Werke A. G. (See Oeckl, O., and Werth, assignors.)
Henson, Henry B. (See Slough, F. D., assignor, and McNash.)
Hercules Powder Company. (See Borglin, Joseph N., assignor.)
Hergenrother, Rudolf C., Beechhurst, N. Y., assignor to Hazeltine Corporation. Electron multiplier tube. 2,246,172; June 17.
Herrington, Ralph J., Minneapolis, Minn. Outboard motor. 2,246,206; June 17.
Herro, Alexander (See Nelson, V., and Herro.)
Herskind, Carl C., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting system. 2,246,173; June 17.
Hester, Stanley C., Pontiac, Mich. Outdoor stove structure. 2,246,440; June 17.
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Drive mechanism. 2,246,207; June 17.
Heyer, Don, assignor to U. S. Electrical Motors Inc., Los Angeles, Calif. Variable speed transmission device. 2,246,667; June 17.
Hickman, Albert F., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y. Vehicle spring suspension. 2,245,585; June 17.
Hickman, Albert F., assignor to Hickman Pneumatic Seat Co. Inc., Eden, N. Y. Spring suspension for vehicles. 2,246,044; June 17.
Hickman Pneumatic Seat Co. (See Hickman, Albert F., assignor.)
Hickok, Robert D., Bratenahl, assignor to Cleveland Patents, Incorporated, Cleveland, Ohio. Electrical meter. 2,245,781; June 17.
Hill, John I., Houston, Tex. Vacuum shaver. 2,245,917; June 17.
Hinderer, Adolf. (See Sturm, J., and Hinderer.)
Hirschberg, Gerhard, Leverkusen-I. G. Werk, Germany, assignor, by mesne assignments, to W. H. Duisberg, New York, N. Y. Worm press. 2,246,045; June 17.
Hobbs, John W., assignor to John W. Hobbs Corporation, Springfield, Ill. Mounting for clock movement. 2,245,918; June 17.
Hobbs, John W., Corporation. (See Hobbs, John W., assignor.)
Hobbs, Robert E., Detroit, Mich. Traffic signal apparatus. 2,246,208; June 17.
Hodges, Albert B., assignor to International Filter Co., Chicago, Ill. Liquid distributing system. 2,245,668; June 17.
Hodgman, Edward R., Chicago, Ill. Universal control for clutch operation and gear selection for automotive vehicles. 2,246,357; June 17.
Hodnette, John K., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical discharge device. 2,246,303; June 17.
Hofmann, Alfred, & Company. (See Anderson, Victor, assignor.)
Hogg, Emerson E., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Closure manufacture. 2,246,096; June 17.
Holden, William H. T., Long Island City, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Timing mechanism. 2,246,046; June 17.
Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Oscillation generator. 2,245,669; June 17.
Hollmann, Hans E., assignor to Telefunken Gesellschaft für Drahtlose Telegraphie, m. b. H., Berlin, Germany. Oscillation generator. 2,245,670; June 17.
Holloway, Gilbert C., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Metallic bulb lamp. 2,245,782; June 17.
Holmann, Gustave R., Seattle, Wash. Hot air heating furnace. 2,245,586; June 17.
Holophane Company. (See Rolph, Thomas W., assignor.)
Holpfer, Marcus A., Pittsburgh, Pa. Power transmission mechanism. 2,245,919; June 17.
Holst, Paul F. G., and L. R. Kirkwood, Oaklyn, N. J., assignors to Radio Corporation of America. Inverse feedback amplifier. 2,245,671; June 17.
Hopkins, Robert W. (See Kinker, C. C., McBurney, Hopkins, and Tassick.)
Hornberger, Earl J., Philadelphia, Pa. Drill grinding machine. 2,245,858; June 17.
Horvath, Anthony G. (See Eickmeyer, E. E., and Horvath.)
Houk, Allen B., Opportunity, Wash. Tongs. 2,245,977; June 17.
Howard, Guy C. (See Adkins, H., and Howard.)
Howells, David, Salt Lake City, Utah. Gun sight. 2,246,174; June 17.
Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Guy rod grounding clamp. 2,246,407; June 17.
Hubbard, John R., assignor to Peter Cooper Corporation, Gowanda, N. Y. Water-resistant glue and making the same. 2,246,405; June 17.
Huber, Wilhelm. (See Felix, F., and Huber.)
Huenerfauth, George E., Evanston, assignor to Crown Rheostat & Supply Co., Chicago, Ill. Conveyer mechanism. 2,245,673; June 17.
Huetwohl, Frank, Jr., Sharon Hill, Pa., assignor to Radio Corporation. Detection of modulation impulses. 2,245,674; June 17.
Huggenberger, Arnold U., Zurich, Switzerland. Strain gauge. 2,246,175; June 17.
Hughes, Walter J., Chicago, Ill., assignor, by mesne assignments, to Infilco Inc. Liquid treating apparatus. 2,245,587; June 17.
Hughes, Walter J., assignor to International Filter Co., Chicago, Ill. Liquid treating appaartus and process. 2,245,588; June 17.
Hughes, Walter J., assignor to International Filter Co., Chicago, Ill. Liquid treatment (clarification). 2,245,589; June 17.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Thermionic discharge device. 2,246,176; June 17.
Hultin, Oscar H., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Making paper bags. 2,245,675; June 17.

Hummel, Charles, Niederuzwil, assignor to Gebrüder Bühler, Uzwill, Switzerland. Drying apparatus. 2,246,252; June 17.
Hunt, Scott F., assignor to Bendix Products Corporation, South Bend, Ind. Carburetor. 2,245,672; June 17.
Hunter, Frederick R., Edgewater, N. J., assignor to American Telephone and Telegraph Company. Device for cleaning electrical and associated equipment. 2,245,859; June 17.
Hunting, Irving A., South Plainfield, N. J. Lubricating system. 2,245,860; June 17.
Huribut, Newell G., Joplin, Mo. Support. 2,246,441; June 17.
Hyde, James F., Corning, N. Y., assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation. Coloring glass fibers. 2,245,783; June 17.
Hydraulic Brake Company. (See Loweke, Erwin F., assignor.)
Hyland, Norman D., Mobile, Ala. Vegetable cutter. 2,245,978; June 17.
I. G. Farbenindustrie Aktiengesellschaft. (See Eberhardt, E., and Stadler, assignors.)
I. G. Farbenindustie Aktiengesellschaft. (See Kallmann, H. I., and Kühn, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Pinkernelle, Walter, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schneider, Kurt, assignor.)
I-T-E Circuit Breaker Company. (See Scott, William M., Jr., assignor.)
Illges, Abraham, Columbus, assignor to Belsinger, Inc., Atlanta, Ga. Fiberboard container. 2,246,097; June 17.
Indian Refining Company, et al. (See Aitken, R. H., and Kiersted, assignors.)
Industrial Colloids Company. (See Garratt, Louis D., assignor.)
Industrial Patents Corporation. (See Williams, B. E., and Cadwell, assignors.)
Industrial Rayon Corporation. (See Bergmann, R. F., and Walters, assignors.)
Industrial Rayon Corporation. (See Helm, Emerson B., assignor.)
Industrial Rayon Corporation. (See Knebusch, Walter F., assignor.)
Infilco Inc. (See Hughes, Walter J., assignor.)
Ingersoll Milling Machine Company, The. (See Johnson, John R., assignor.)
International Filter Co. (See Green, Walter H.)
International Filter Co. (See Hodges, Albert B., assignor.)
International Filter Co. (See Hughes, Walter J., assignor.)
Irwin, F. G., et al. (See Sims, Lawrence, assignor.)
Isnenghi, Herbert. (See Oharek, E., and Isnenghi.)
Ivers-Lee Company. (See Salfisberg, Leroy L., assignor.)
Jackson, Hoxel A., Detroit, Mich. Face and eye shield. 2,246,442; June 17.
Jackson, Richard R., Baltimore, Md. Signal switch for speedometers. 2,246,047; June 17.
Jaeckel, Georg, Berlin-Lichterfelde, assignor to the firm Sendlinger Optische Glaswerke G. m. b. H., Berlin-Zehlendorf, Germany. Lens and the manufacture thereof. 2,246,098; June 17.
James, G., et al. (See Sims, Lawrence, assignor.)
James, Jay H., Los Angeles, Calif. Hat sanitizer. 2,246,135; June 17.
James, Mabel, executrix. (See James, William.)
James, Quincy C., assignor of one-fourth to J. T. Barkelew and one-fourth to J. R. Pratt, Pasadena, Calif. Cooker. 2,246,048; June 17.
James, William, deceased, Seattle; M. James, executrix, Deer Harbor, assignor to F. L. Cromwell, Monroe, Wash. Graphic speed recorder for vehicles. 2,245,784; June 17.
Jardine, Albert D., and H. V. Beronius, Detroit, Mich. Welding apparatus. 2,245,920; June 17.
Jaross, Paul. (See Dôme, R., and Jaross.)
Jelinek, Joseph F., Minneapolis, and E. O'Reilly, St. Paul, assignors to St. Paul Hydraulic Hoist Company, Minneapolis, Minn. Convertible end gate hinge. 2,246,358; June 17.
Jelinek, Joseph F., Minneapolis, and E. O'Reilly, St. Paul, assignors to St. Paul Hydraulic Hoist Company, Minneapolis, Minn. Keeper link. 2,246,359; June 17.
Jenks, Harold C., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding apparatus. 2,246,304; June 17.
Jentzer, Henry, Jr., St. Louis, Mo. Wall tile. 2,245,785; June 17.
Jewett, John H., Detroit, Mich. Adjustable wood cutting tool. 2,245,921; June 17.
Johnson, Albert M., assignor to Barnes Drill Co., Rockford, Ill. Horizontal honing machine. 2,245,922; June 17.
Johnson, Emil M., Jamestown, N. Y. Tool attachment. 2,245,676; June 17.
Johnson, Glenn D., Compton, assignor to Baash-Ross Tool Company, Los Angeles, Calif. Slip. 2,245,979; June 17.
Johnson, Herbert B., assignor to Ritter Products Corporation, Rochester, N. Y. Making cement. 2,246,253; June 17.
Johnson, Herbert L., Dodge City, Kans. Irrigation rotary piston action pump. 2,245,590; June 17.
Johnson, Jack, Long Beach, Calif. Jarring tool. 2,245,786; June 17.
Johnson, James H., Kansas City, Mo. Mop. 2,246,360; June 17.
Johnson, John R., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Milling machine. 2,245,558; June 17.
Johnson Laboratories, Inc. (See Schaper, William A., assignor.)
Johnson, Virgil F., Davenport, Iowa. Electrical connector. 2,246,209; June 17.
Johnson, William A., Springfield, assignor to The Ohio Cultivator Company, Bellevue, Ohio. Harvester and feeder. 2,246,361; June 17.
Johnston, Charles F., Oakland, Calif. Piston ring. 2,245,980; June 17.
Johnston, Stanley W., Green Bay, Wis. Crochet set. 2,246,254; June 17.
Jones, Byron Q., Fort Knox, Ky. Steering by driving mechanism. 2,245,591; June 17.
Jones & Laughlin Steel Corporation. (See Graham, Herbert W., assignor.)
Jones, Lucian N. (See Smith, H. L., and Jones.)
Jones, Ralph W., Jr., Los Angeles, assignor to Byron Jackson Co., Huntington Park, Calif. Well pipe support. 2,245,592; June 17.
Jordan, Thomas A. (See Dyer, L. W., and Jordan.)
Jorke, Karl E. P. (See Schmiedel, J., and Jorke.)
Joy, Joseph F., Claremont, N. H., assignor to Sullivan Machinery Company. Motor. 2,246,074; June 17.
Joys Brothers Company. (See Joys, Roger E. and J. E., and Meyer, assignors.)
Joys, John E. (See Joys, Roger E. and J. E., and Meyer.)
Joys, Roger E. and J. E., Whitefiesh Bay, and A. F. Meyer, Wauwatosa, assignors to Joys Brothers Company, Milwaukee, Wis. Sail edge securing fixture. 2,245,677; June 17.
Juergens, John, assignor of seven per cent to L. G. Bunker, Chicago, Ill. Steering wheel. 2,246,255; June 17.
Julian, Percy L., Oak Park, and B. T. Malter, Chicago, Ill., assignor to The Glidden Company. Preparing vegetable protein. 2,246,466; June 17.
Junkers Flugzeug und Motorenwerke Aktiengesellschaft. (See Wagner, H., and Villinger, assignors.)
Justrite Manufacturing Company. (See Packer, Charles S., assignor.)
Kahn, Leo M., New York, N. Y., assignor to The American Laundry Machinery Company, Norwood, Ohio. Folding machine. 2,246,256; June 17.
Kahn, Helen, et al. (See Rogowski, John S., assignor.)
Kallo, Inc.. (See Verbeek, Arnold F., assignor.)
Kalle & Co., Aktiengesellschaft. (See von Poser, G., and Schmidt, assignors.)
Kallmann, Hartmut I., formerly known as H. Kallmann, Berlin-Charlottenburg, and E. Kühn, Berlin, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Examining bodies by means of neutrons and electron emitting material. 2,245,787; June 17.
Kallmann, Hartmut I., formerly known at H. Kallmann, Berlin-Charlottenburg, and E. Kühn, Berlin, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Method and device for the ingestigation of substances by slowly moving neutrons. 2,246,443; June 17.
Kanai, Kunsaku, Bosler, Wyo. Rail tool. 2,246,099; June 17.
Kane, Peter W., Rochester, N. Y., assignor of one-third to J. B. Barnes, Milford, Conn. Automatic variable speed transmission mechanism. 2,246,444; June 17.
Katzman, Morris B., assignor to The Emulsol Corporation, Chicago, Ill. Halogeno-carboxylic amides. 2,245,593; June 17.
Kauffman, Walter L. II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,245,923; June 17.
Kaufman, Gus, and R. S. Barnett, Beacon, assignors to the Texas Company, New York, N. Y. Lubricant. 2,246,467; June 17.
Keel, Charles H. (See Winkler, Frederick W., assignor.)
Kehoe, Richard D., Hadlyme, Conn., R. B. Eastty, Montclair, and W. H. Sayre, Essex Fells, N. J. Abrasive disk. 2,246,362; June 17.
Keiding, Andrew, assignor to American Lace Paper Company, Milwaukee, Wis. Pulp molding apparatus. 2,245,678; June 17.
Keller, Ernst R. (See Brown, S. C., and Keller.)
Keller, Walter E., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Curtain fixture. 2,246,210; June 17.
Kelley, Frank B., Overton, Tex., assignor to Standard Oil Development Company. Sampling device for pipe lines. 2,245,679; June 17.
Kellogg, William D., and J. Fradenburgh, assignors to Collins Loom Works, Inc., Amsterdam, N. Y. Tension and take-up device. 2,246,363; June 17.
Kelly, William O., Annapolis Royal, Nova Scotia, and G. W. Griffin, Kentville, Nova Scotia, Canada. Rotary curve greaser. 2,245,680. June 17.
Kelsey-Hayes Wheel Company. (See Main, Frank L., assignor.)
Kelsey-Hayes Wheel Company. (See Sinclair, Charles W., assignor.)

Kempe, Irwin T., Longparish, Andover, England. Wire-laying device. 2,245,788; June 17.
Kenigsberg, Alexander H., Roxbury, Mass. Interchangeable unit luminous gaseous sign. 2,245,681; June 17.
Kennedy, John J., New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc. Electrical system. 2,245,924; June 17.
Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Corn husker. 2,245,861; June 17.
Kerr, Henry H., assignor to Bendix Products Corporation, South Bend, Ind. Brake. 2,245,682; June 17.
Kerrigan, Erva G. (See Ellison, Edna M., assignor.)
Kessler, Frank, Villa Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,245,683; June 17.
Kiefer, George C., Springdale, Pa., assignor to Allegheny Ludlum Steel Corporation. Stabilization of austenitic chromium nickel steels. 2,246,445; June 17.
Kiep, Johann N., Hamburg, assignor to Deschimag, Bremen, Germany. Hydraulic coupling. 2,245,684; June 17.
Kiersted, Wynkoop, Jr. (See Aitken, R. H., and Kiersted.)
Kilgore, Lee A., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Damper winding. 2,246,305; June 17.
Kilich, Conrad, Milwaukee, Wis. Method of and means for mixing and atomizing liquids. 2,246,211; June 17.
Kimmel, George A., Brookeville, Md., assignor to The Fulvue Sales Company, Washington, D. C. Spectacles. 2,245,594; June 17.
Kinker, Clarence C., J. E. McBurney and R. W. Hopkins, Alton, Ill., and J. A. Tassick, New York, N. Y., assignors to Owens-Illinois Glass Company. Glass melting and refining furnace. 2,246,364; June 17.
Kinninger, Arthur M. (See Kinninger, Carl A., assignor.)
Kinninger, Carl A., assignor of one-half to A. M. Kinninger, Dayton, Ohio. Wall form tie. 2,245,559; June 17.
Kirkwood, Loren R. See Holst, P. F. G., and Kirkwood.)
Klaucke, Hermann, Worcester, Mass., assignor to Chain Belt Company, Milwaukee, Wis. Chain drive and take-up therefor. 2,245,925; June 17.
Klavík, Miloš, Prague-Smíchov, Czechoslovakia. Frame for automobiles. 2,245,789; June 17.
Klein, Mathias, & Sons. (See O'Russa, Lorence, assignor.)
Klein, William J. (See Nourse, R. C. C., Klein, and Dandurand.)
Knapp-Monarch Company. (See Knopp, Rudolph, assignor.)
Knebusch, Walter F., Rocky River, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Reel for handling thread or the like. 2,246,468; June 17.
Knight, Alfred W., et al. (See Weir, J. W., and Montgomery, assignors.)
Knopp, Rudolph, assignor to Knapp-Monarch Company, St. Louis, Mo. Vibratory motor. 2,245,981; June 17.
Knowles, Fred J., Philadelphia, Pa., assignor to Nicholson File Company, Providence, R. I. Vise for saw filing machines. 2,245,982; June 17.
Knowles, Frederick J., Philadelphia, Pa., assignor to Nicholson File Company, Providence, R. I. File holder for saw filing machines. 2,245,983; June 17.
Knowles, Frederick J., Philadelphia, Pa., assignor to Nicholson File Company, Providence, R. I. Saw filing machine. 2,245,984; June 17.
Knowlton Brothers. (See Davenport, Franklyn E., assignor.)
Knox, Harry A., Washington, D. C. Controlled differential steering mechanism. 2,245,595; June 17.
Koch, Winfield R., Haddonfield, N. J., assignor to Radio Corporation of America. Automatic frequency control system. 2,245,685; June 17.
Koenig, Werner, Lucerne, assignor to Landis & Gyr, A-G., Zug, Switzerland. Remotely controlled power system. 2,245,862; June 17.
Kohlsaat, George H., De Smet, S. Dak., Operating mechanism for closures. 2,245,985; June 17.
Kohn, Gerhard, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Separation of organic mixtures. 2,246,257; June 17.
Kohn, Julius, New York, N. Y. Pyrophoric lighter. 2,245,926; June 17.
Kohnle, Frederick, assignor to Monarch Marking System Company, Dayton, Ohio. Multiple price marking tag. 2,246,365; June 17.
Kollath, Francis C., Chicago, Ill. Lamp guard. 2,245,686; June 17.
Kollsman, Paul, New York, N. Y., assignor to Square D Company, Detroit, Mich. Tachometer. 2,246,366; June 17.
Koubek, John L., and H. C. Mead, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Lamp bulb. 2,245,790; June 17.
Kovalsky, Joseph F., Turtle Creek, and L. L. Fountain, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Regulator. 2,246,306; June 17.
Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Braking or friction device. 2,245,791; June 17.
Kraft, Karl, Chicago, Ill. Laminated bowling pin. 2,246,411; June 17.
Krauss, Herman H., Fremont, Ohio. Electric plug. 2,245,986; June 17.
Krebs, Robert W., Baton Rouge, La., assignor to Standard Oil Development Company. Regenerating contact masses. 2,246,367; June 17.
Kreidler, Raymond L. (See Kurlander, J. H., and Kreidler.)
Krist, Henry K., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal transmission line. 2,246,307; June 17.
Krogh, Anker E., assignor to The Brown Instrument Company, Philadelphia, Pa. Pyrometric element. 2,245,687; June 17.
Krone, Howard C., Weehawken, and W. Meyer, East Orange, assignors to A. W. Wheaton Brass Works, Newark, N. J. Self-closing valve. 2,246,136; June 17.
Kropp, Hermann. (See Hauffe, F., and Kropp.)
Krueger, Richard H., assignor to H. E. Beyster Corporation, Detroit, Mich. Roof structure. 2,245,688; June 17.
Krueger, Richard H., assignor to H. E. Beyster Corporation, Detroit, Mich. Roof structure. 2,245,689; June 17.
Krueger, Richard H., assignor to H. E. Beyster Corporation, Detroit, Mich. Roof structure. 2,245,690; June 17.
Kübler, Erwin, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Converter system. 2,246,308; June 17.
Kuhn, Clarence W., Wauwatosa, and A. P. Charbonneau, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Operating mechanism for refrigerator controllers and other devices. 2,245,691; June 17.
Kühn, Ernst. (See Israel, H., and Kühn.)
Kuhn, Ernst. (See Kallmann, H. I., and Kuhn.)
Kuhn, Herman C., Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y. Gauge. 2,245,792; June 17.
Kuhni, Leopold, Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y. Razor. 2,246,368; June 17.
Kurlander, John H., Nutley, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Multiple filament lamp. 2,245,793; June 17.
Kurlander, John H., Nutley, and R. L. Kreidler, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Photoflash lamp. 2,245,794; June 17.
Kylén, Karl E., Goteborg, Sweden. Internal combustion engine. 2,246,446; June 17.
Kyte, Mary M., executrix. (See Kyte, Olin Y., assignor.)
Kyte, Olin Y., Dunmore, Pa., deceased; M. M. Kyte, executrix. Combination hat press and hanger. 2,246,369; June 17.
Labonte, Theodore, Holyoke, and W. Labonte, Chicopee Falls, Mass. Pulley construction. 2,245,863; June 17.
Labonte, William. (See Labonte, Theodore and W.)
Laclede Steel Company. (See Friberg, Bengt F., assignor.)
La France, Donald S. (See Groll, H. P. A., Hearne, and La France.)
Laird, Alton W., Watertown, N. Y., assignor to The New York Air Brake Company. Railway car truck. 2,245,864; June 17.
Lamb, John M., Salem, Oreg. Shovel. 2,245,692; June 17.
Lambert, Homer T., St. Joseph, Mich. Brake unit. 2,245,987; June 17.
Lambert, Homer T., St. Joseph, Mich. Brake mechanism. 2,245,988; June 17.
Landers, Frary & Clark. (See Anderson, O. M., and Almquist, assignors.)
Landgraf, Myron J., assignor to H. J. Goldblatt, Chicago, Ill. Electric shaver. 2,245,795; June 17.
Landis & Gyr, A-G. (See Koenig, Werner, assignor.)
Lange, Heinrich, Frankfort-on-the-Main-Hochst, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Preparing glyoxal. 2,246,049; June 17.
Larson, Chas. O., Co. (See Smith, Raymond W., assignor.)
Larson, Frank A., Saugus, Mass. Thread measuring and locking device for sewing machines. 2,245,796; June 17.
Larus & Brother Co. (See Glazebrook, R. F., and Vaughan, assignors.)
Lavin, John M., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Safety hook. 2,246,212; June 17.
Leathers, Ward, Brooklyn, assignor to Quadrex Corporation, New York, N. Y. Suction device for vacuum cleaners. 2,245,989; June 17.
Lee, Paul R., Mansfield, Ohio., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Thermostat circuit interrupter. 2,246,309; June 17.
Lehman, Edward G., assignor to York Ice Machinery Corporation, York, Pa. Making heat exchange apparatus. 2,246,258; June 17.
Leishman, Le Roy J., Los Angeles, Calif. Automatic means for turning rotatable control shafts to predetermined positions. 2,246,050; June 17.

Leland Stanford Junior University, The Board of Trustees of the. (See Varian, Russell H., assignor.)
Lenehan, Bernard E., Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Current-polarized ground-directional relay for parallel lines. 2,246,310; June 17.
Lentz, William L., Tuckahoe, N. Y., and E. Martin, Erie, Pa., assignors to the Standard Stoker Company, Inc. Locomotive stoker. 2,245,927; June 17.
Lerma, Stephen. (See Baritz, S., and Lerma.)
Leslie, Freeland H., Chicago, Ill. Stainless clad sink. 2,246,051; June 17.
Le Tourneau, R. G., Inc. (See Le Tourneau, Robert G., assignor.)
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc. Roller. 2,245,865; June 17.
Levine, Abraham, Elizabeth, assignor to Presto Lock Corporation, Garfield, N. J. Garment hanger supporting means. 2,246,137; June 17.
Levoy, Louis G., Jr., Schenectady, N. Y., assignor to General Electric Company. Electric control circuit. 2,246,177; June 17.
Levoy, Louis G., Jr., Schenectady, N. Y., assignor to General Electric Company. Electric control circuit. 2,246,178; June 17.
Levy, Abe, et al. (See Filer, John J., assignor.)
Lewis, Leo L., assignor to Carrier Corporation, Syracuse, N. Y. Partition joint. 2,246,370; June 17.
Lieber, Eugene, Linden, and M. M. Sadlon, Roselle Park, N. J., assignors to Standard Oil Development Company. Wax modifying agent. 2,246,311; June 17.
Lieber, Eugene, Linden, N. J., assignor to Standard Oil Development Company. Producing lubricants. 2,246,312; June 17.
Lindberg, John F., Chicago, Ill. Circuit control means. 2,245,596; June 17.
Linde Air Products Company, The. (See Craig, J. R., and Swartout, assignors.)
Lindeberg, Carl, De Kalb, Ill., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio. Piano keyboard for accordions. 2,246,371; June 17.
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Concentric resonant line and circuit therefor. 2,245,597; June 17.
Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Radial radiating system for short-wave communication. 2,245,693; June 17.
Lindhard, Povl T., Rumson, N. J., assignor to F. L. Smidth & Co., New York, N. Y. Rotary kiln. 2,246,313; June 17.
Lindholm, Arthur W., East Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Container feeding apparatus. 2,245,694; June 17.
Lintzel, Hermann. (See Dörfel, W., Fischer, and Lintzel.)
Liquid Carbonic Corporation, The. (See De Stefani, T., and Yuza, assignors.)
Livingston, John W. (See Bone, H. L., and Livingston.)
Llewellyn, Frederick B., Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave translation system. 2,245,598; June 17.
Llewellyn, Frederick B., Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Feedback amplifier. 2,245,599; June 17.
Lobo, Walter E., Westfield, assignor to Gasoline Products Company, Inc., Jersey City, N. J. Heating of fluids. 2,246,469; June 17.
Locke Insulator Corporation. (See Vrooman, Edward C., assignor.)
Lockwood, Edwin J., Peekskill, and J. H. Foster, Merrick, N. Y. Variable speed alternating current motor. 2,246,372; June 17.
Lodge, Edmund G., assignor to Stackpole Carbon Company, St. Marys, Pa. Electric switch. 2,246,373; June 17.
Logan, John W., Jr., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Axle and tread brake. 2,246,213; June 17.
Lohman, Charles J., and L. D. Myers, assignors to Emery Industries, Inc., Cincinnati, Ohio. Mineral oil sulphonates, their purification and fractionation. 2,246,374; June 17.
Lohman, William. (See Barr, H. E., and Lohman.)
Long, George R. (See Marino, Louis F., assignor.)
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electric control circuit. 2,246,179; June 17.
Loud, Margaret, Ozone Park, N. Y. Goggles. 2,245,990; June 17.
Lovell Manufacturing Company. (See Kauffman, Walter L., II, assignor.)
Loweke, Erwin F., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure braking system. 2,245,991; June 17.
Lower Rubber Manufacturing Co. (See Snyder, Harry L., assignor.)
Luce, Earl A., Providence, R. I. Service support for condensed milk cans or the like. 2,246,419; June 17.
Lum, Walter O., West Orange, N. J., assignor to General Electric Company. Heating system. 2,246,138; June 17.
Lundstrom, Axel W., Drexel Hill, Pa., assignor to General Electric Company. Switching system for electric currents. 2,246,139; June 17.
Lunkenheimer Company, The. (See Bolton, John W., assignor.)
Lyle, Aaron K., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for feeding batch to glass melting furnaces. 2,246,375; June 17.
Lynch, Charles S., Fanwood, N. J., assignor to Standard Oil Development Company. Solvent treating of mineral oils. 2,246,376; June 17.
Lyon, George A., Allenhurst, N. J. Wheel disk structure. 2,245,928; June 17.
Machts, Ludwig, Marburg, Germany. Apparatus for making geophysical or other measurements. 2,246,259; June 17.
MacLean, William G., Arnprior, Ontario, Canada. Rock mining drill bit. 2,246,447; June 17.
MacSporran, Charles, Detroit, Mich., assignor to Phillips Petroleum Company. Safety device for gas dispensing systems. 2,246,458; June 17.
Madala, Joseph A., Chicago, Ill. Making mosiac. 2,246,652; June 17.
Maess, Henry. (See McKenzie, Lewis G., assignor.)
Magazine Repeating Razor Company. (See Kuhni, Leopold, assignor.)
Magnus, Edward T. (See Gridley, W. C., and Magnus.)
Magnusson, Knut J. (See Bedford, A. V., and Magnusson.)
Margrini, Pete, Belle Vernon, assignor to American Window Glass Company, Pittsburgh, Pa. Manufacture of drawn glass. 2,246,053; June 17.
Mahan, Frank H., Jr., Philadelphia, Pa. Setter. 2,246,448; June 17.
Mahon, R. C., Company, The. (See Miller, William G., assignor.)
Main, Frank L., Birmingham, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Hydraulic brake. 2,246,140; June 17.
Main, Frank L., Birmingham, assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Master cylinder. 2,246,141; June 17.
Makarius, Theodore, Flushing, N. Y. Drying attachment for multicolor presses. 2,245,797; June 17.
Malter, Bernard T. (See Julian, P. L., and Malter.)
Mangold, Thomas M., Cincinnati, Ohio. Manicure tray. 2,245,929; June 17.
Man-Sew Pinking Attachment Corp. (See Sigoda, Victor J., assignor.)
Mantle, Burr W., Pittsford, N. Y., assignor to The American Brake Shoe and Foundry Company. Pulley. 2,245,695; June 17.
Manly Corporation. (See Centervall, Hugo A., assignor.)
Marathon Paper Mills Company. (See Adkins, H., and Howard, assignors.)
Marathon Paper Mills Company. (See Frieders, Robert T., assignor.)
Marchlenski, Frank P., et al. (See Barr, H. E., and Lohman, assignors.)
Marchlenski, Louis, et al. (See Barr, H. E., and Lohman, assignors.)
Marino, Louis F., assignor to G. R. Long, Boston, Mass. Protective guard for shoes. 2,245,560; June 17.
Marien, Melvin W., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo. Piston ring. 2,245,992; June 17.
Marsack, Max, assignor to Marsack Patents Corporation, Milwaukee, Wis. Mattress. 2,245,930; June 17.
Marsack Patents Corporation. (See Marsack, Max, assignor.)
Marshall, Joseph C., Baldwin, and M. L. Haselton, Rye, assignors to The Teleregister Corporation, New York, N. Y. Communication and posting system. 2,246,449; June 17.
Martin, Eugene. (See Lentz, W. L., and Martin.)
Marty, John M., Parma, Ohio. Food cutter. 2,246,054; June 17.
Marzani, Bruno, Jessup, Pa. Horse sock. 2,246,100; June 17.
Mastic Asphalt Corporation. (See Mattes, Lee H., assignor.)
Mattes, Lee H., assignor to Mastic Asphalt Corporation, South Bend, Ind. Siding material. 2,246,377; June 17.
Matthews Conveyer Company Limited. (See Bisset, William, assignor.)
Maude, John H. (See Muir, W. P., and Maude.)
May, Robert A., assignor to Duncan & Miller Glass Company, Washington, Pa. Box and similar receptacles. 2,245,798; June 17.
Maynard, Albert E., assignor to American Optical Company, Southbridge, Mass. Lens cutting machine. 2,246,055; June 17.
McArn, Donald G., Pittsburgh, and J. W. McDonald, West View, Pa., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Receptacle closure. 2,246,470; June 17.
McBurney, James E. (See Kinker, C. C., McBurney, Hopkins, and Tassick.)
McCarty, Orin P. (See Palmer, A., and McCarty.)
McClellan, James E. (See Eckart, H., and McClellan.)

McClew, John W., West Derby, Liverpool, and O. A. Pearce, Barnston, England, assignors to Associated Telephone & Telegraph Company, Chicago, Ill. Telephone system. 2,245,799; June 17.
McCoy, Lee R., Clarkdale, Ariz. Spring extension handle for fish landing net. 2,245,993; June 17.
McCune, Joseph C., Edgewood, and G. K. Newell, near Pitcairn, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake mechanism. 2,246,214; June 17.
McDonald, John W. (See McArn, D. G., and McDonald.)
McDonald, Joseph J., Lebanon, Pa. Motor vehicle elevating device. 2,245,800; June 17.
McDonald, Morris. (See Smith, Ray W., assignor.)
McDonell, Edward J., assignor to Blaw-Knox Company, Pittsburgh, Pa. Water-cooling device for furnaces. 2,246,402; June 17.
McDonnell, Edward J., assignor to Blaw-Knox Company, Pittsburgh, Pa. Water-cooling device for furnaces. 2,246,403; June 17.
McEnany, Frederick L., Bridgeport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Floor covering. 2,246,101; June 17.
McGavern, Charles L., Olean, N. Y. Hydraulic transmission. 2,246,450; June 17.
McGowan, Michael E., Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Basing machine. 2,245,801; June 17.
McGowan, Roger G., Youngstown, Ohio. Locomotive and car wheel centering device. 2,246,451; June 17.
McGrann, Owen L., Omaha, Nebr. Tire inflating device. 2,246,102; June 17.
McGrath, Nicholas B., assignor to The Southington Hardware Company, Southington, Conn. Try square. 2,246,260; June 17.
McGrath, William L., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Condition controlling system of the follow-up type. 2,245,802; June 17.
McGrew, Orville V., Chicago, Ill. Plastic drying oil coating. 2,246,452; June 17.
McIntyre, Frederick W., assignor to Reed-Prentice Corporation, Worcester, Mass. Plastic molding machine. 2,246,414; June 17.
McKay Company, The. (See Gise, Frank G., assignor.)
McKee, Albert E., assignor to Oxygen Equipment & Service Company, Chicago, Ill. Oxygen therapy equipment. 2,245,696; June 17.
McKenzie, Lewis G., assignor of one-half to H. Maess, Columbus, Ohio. Sewer opener. 2,246,056; June 17.
McLachlan, Charles G., Noranda, Quebec, Canada. Centrifugal pump. 2,245,866; June 17.
McMorris, William A., Pittsfield, Mass., assignor to General Electric Company. Lightning arrester. 2,246,180; June 17.
McNash, Capel W. (See Slough, F. D., and McNash.)
McQuillen, Mark C., et al. (See Bellman, Elwood P., assignor.)
McWane, Henry E., Lynchburg, Va. Casting apparatus and method. 2,245,994; June 17.
McWhirter, Enoch L., Pontotoc, Miss. Fertilizer distributor. 2,245,803; June 17.
Mead, Howard C. (See Koubek, J. L., and Mead.)
Medsker, Charles A., Cleveland Heights, assignor to W. L. Ulmer, Cleveland, Ohio. Apparatus for lubricating pneumatic tools. 2,245,600; June 17.
Medsker, Charles A., Cleveland Heights, assignor to W. L. Ulmer, Cleveland, Ohio. Method of and apparatus for lubricating pneumatic tools. 2,245,601; June 17.
Mehrlich, Ferdinand P., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Treatment of plants. 2,245,867; June 17.
Meiser, Wilhelm. (See Schüssler, H., Morschel, and Meiser.)
Melby, Charles J. Everett, Wash. Automatic edge-trimming machine. 2,245,868; June 17.
Melendy, Jesse G., Tarrytown, assignor to General Chemical Company, New York, N. Y. Manufacture of alkali metal sulphites. 2,245,697; June 17.
Merla Tool Corporation. (See Crickmer, Charles S., assignor.)
Merry, Earl W., Dunkirk, Ind. Drill. 2,245,995; June 17.
Metropolitan Device Corporation. (See Catherwood, William S., Jr., assignor.)
Meyer, Arnold F. (See Joys, Roger E. and J. E., and Meyer.)
Meyer, John B., assignor to The Adams Company, Dubuque, Iowa. Grate. 2,245,931; June 17.
Meyer, William. (See Krone, H. C., and Meyer.)
Micek, Richard, Pryor, Colo. Door check. 2,246,103; June 17.
Michaelis, Karl, The Hague, Netherlands, assignor to T. V. Michaelis, New York, N. Y. Furniture. 2,246,057; June 17.
Michaelis, Thomas V. (See Michaelis, Karl, assignor.)
Michigan Tool Company. (See Drader, J. C., and Rovick, assignors.)
Mikeska, Louis A. (See Arundale, E., and Mikeska.)
Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Extreme pressure lubricating composition. 2,246,314; June 17.
Miller, Alfred E. (See Ploeger, R. F., and Miller.)
Miller, Harold C., et al. (See Weir, J. W., and Montgomery, assignors.)
Miller, Howard, Burlingame, Calif. Piercing tap. 2,245,698; June 17.
Miller, William G., assignor to The R. C. Mahon Company, Detroit, Mich. Paint spraying machine. 2,245,932; June 17.
Miller, William H., Philadelphia, Pa., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Shock strut. 2,245,699; June 17.
Mills, Lilly, Company. (See Cone, Ralph R., assignor.)
Minneapolis-Honeywell Regulator Company. (See Grant, Arthur C., assignor.)
Minneapolis-Honeywell Regulator Company. (See McGrath, William L., assignor.)
Minneapolis-Honeywell Regulator Company. (See Sparrow, Hubert T., assignor.)
Mitchell, Frank A., London, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Tuning mechanism for radio apparatus. 2,245,804; June 17.
Molins Machine Company. (See Ruau, Félix F., assignor.)
Mollart, Arthur J., and J. C. Hendra, Surbiton, England. Universal joint. 2,246,261; June 17.
Monarch Marking System Company. (See Kohnle, Frederick, assignor.)
Monk, Newton, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Compensation for variations in phase change. 2,246,058; June 17.
Montgomery, Henry S. (See Weir, J. W., and Montgomery.)
Moore, Carl E., Gary, Ind. Balanced lifting device. 2,246,142; June 17.
Moore, Norman B., Los Angeles, Calif. Rivet. 2,245,933; June 17.
Moran, Robert C., Wenonah, W. L. Evers, Moorestown, and E. W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Composition of matter. 2,246,059; June 17.
Morgan, Ivor N. R. (See Troche, E. R., Morgan, and Vancura.)
Morner, Adolf H., New York, N. Y. Safety razor. 2,246,378; June 17.
Morris, Nathan, assignor to American Instrument Company, Silver Spring, Md. Electric heater terminal. 2,245,602; June 17.
Morris, Paul K., Uniontown, Pa. Pin. 2,246,453; June 17.
Morschel, Heinrich. (See Schüssler, H., Morschel, and Meiser.)
Morton, Lysle W., Schenectady, N. Y., assignor to General Electric Company. Electric valve control circuit. 2,246,181; June 17.
Morway, Arnold J. (See Zimmer, J. C., and Morway.)
Morway, Arnold J., Roselle, N. J., assignor to Standard Oil Development Company. Grease composition. 2,245,702; June 17.
Mosher, Ferdinand H. (See Hall, G. W., and Mosher.)
Most, Lucifer J., Hudson County, N. J. Mechanical pencil. 2,245,805; June 17.
Mounce, Whitman D., Houston, Tex., assignor to Standard Oil Development Company. Resistance thermometer. 2,245,700; June 17.
Mountjoy, Garrard, Manhasset, N. Y., assignor to Radio Corporation of America. Radio antenna for automobiles. 2,245,701; June 17.
Moyer, Elmo E., Scotia, N. Y., assignor to General Electric Company. Electric valve translating system. 2,245,869; June 17.
Mueller, Alois C., Chicago, Ill. Dispensing container. 2,245,703; June 17.
Muir, William P., Montreal, Quebec, and J. H. Maude, Verdun, Quebec, assignors to Dominion Engineering Works Limited, Lachine, Quebec, Canada. Valve control mechanism for hydraulic presses. 2,246,379; June 17.
Muller, J. C., N. V. (See Schmiedel, J., and Jorke, assignors.)
Mullett, Howard A., assignor to Bradley Washfountain Company, Milwaukee, Wis. Water supply control for wash fountains. 2,245,934; June 17.
Municipal Sanitary Service Corporation. (See Streander, Philip B., assignor.)
Murray Corporation of America, The. (See Haberstump, Alfred H., assignor.)
Murray, Linwood A., Jr., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Making sponge rubber. 2,246,315; June 15.
Mutual Chemical Company of America. (See Tarr, O. F., and Tubbs, assignors.)
Myers, F. E., & Bro., The. (See Spreng, W. M., and Finley, assignors.)
Myers, Latimer D. (See Lohman, C. J., and Myers.)
Myers, Philip B. (See Dickinson, A. C., and Myers.)
Nagin, Harry S., and L. Strickland, Pittsburgh, assignors to Reliance Steel Products Company, Rankin, Pa. Structural unit. 2,246,215; June 17.
Nagin, Harry S., Pittsburgh, assignor to Reliance Steel Products Company, Rankin, Pa. Grating. 2,246,216; June 17.
National Automotive Fibres, Inc. (See Davies, Clarence J., assignor.)

National Aviation Research Corporation. (See de Florez, Luis, assignor.)
National Blank Book Company. (See Schade, John, assignor.)
National Lead Company. (See Plechner, W. W., and Alessandroni, assignors.)
National Malleable and Steel Castings Company. (See Schwartz, Harry A., assignor.)
National Malleable and Steel Castings Company. (See Wittmer, Russell J., assignor.)
Naturin-Werk Becker & Co. (See Becker, Oskar W., assignor.)
Neighbour, Leonard B., and F. T. Court, assignors to Deere & Company, Moline, Ill. Tongue support. 2,245,935; June 17.
Nelson, Nels H., Dayton, Ohio. Pad and holder therefor. 2,246,262; June 17.
Nelson, Robert M., Evanston, assignor to Peerless Equipment Company, Chicago, Ill. Method and means of removing draft gear. 2,245,996; June 17.
Nelson, Victor, and A. C. Herro, assignor to Carnation Company, Oconomowoc, Wis. Coated container. 2,245,561; June 17.
Nemeroff, Victor. (See Galter, Jack, assignor.)
Nestlé's Milk Products, Inc. (See Griffin, H. L., Robb, Titus, and Gebhardt, assignors.)
Newell, George K. (See McCune, J. C., and Newell.)
Newhouse, Joseph A., Waterloo, Iowa. Battery terminal protector. 2,246,060; June 17.
Newman, David F., Rockville Centre, assignor to Trans-Lux Corporation, New York, N. Y. Mechanism for attaching webs together. 2,246,412; June 17.
Newman, Herbert A., Flushing, N. Y., assignor to Philips Metalix Corporation. X-ray table. 2,245,704; June 17.
New York Air Brake Company, The. (See Laird, Alton W., assignor.)
Nicholson File Company. (See Knowles, Frederick J., assignor.)
Nicholas, Gus, San Francisco, Calif. Whipping top and starter. 2,245,936; June 17.
Nicholson File Company. (See Knowles, Fred J., assignor.)
Nilsson, Emil N., et al. (See Sunell, Joseph K. E., assignor.)
Nivison-Weiskopf Company. (See Crum, John A., assignor.)
Noling, Martin N., assignor to Barber-Colman Company, Rockford, Ill. Knot tying. 2,246,217; June 17.
Noling, Martin N., assignor to Barber-Colman Company, Rockford, Ill. Method of and means for tying knots. 2,246,218; June 17.
Norman, Pearl C., Oklahoma City, Okla., assignor to Phillips Petroleum Company. Method and apparatus for paraffin treatment. 2,245,870; June 17.
Norris, Edward O., Westport, Conn., assignor to Edward O. Norris, Inc., New York, N. Y. Electrolytic method of producing screens. 2,245,380; June 17.
Norris, Edward O., Inc. (See Norris, Edward O., assignor.)
Norris, Kenneth T., Los Angeles, Calif. Voting booth. 2,245,705; June 17.
Norton Company. (See Wood, W. H., and Flygare, assignors.)
Nourse, Ralph C. C., W. J. Klein, and A. L. Dandurand, Manchester, Conn., assignors to Folding Boxes, Incorporated. Display container. 2,246,219; June 17.
Nowlund, Roger L., New York, N. Y. Process and apparatus for making beverages. 2,246,061; June 17.
Nutt, William H., Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Manufacture of strap sandals. 2,245,706; June 17.
Oeckl, Otto, and H. Werth, Berlin, assignors to Henschel Flugzeug-Werke A. G., Schonefeld, Kreis Teltow, Germany. Riveting tool. 2,245,806; June 17.
Oehrle, William H., Newport, R. I. Marine anchor. 2,245,807; June 17.
Oharek, Eduardo, and H. Isnenghi, Sao Paulo, Brazil. Button. 2,246,316; June 17.
Ohio Cultivator Company, The. (See Johnson, William A., assignor.)
Ohio Injector Company, The. (See Tinker, Walter H., assignor.)
Oliver, Arthur L., London, England, assignor to Radio Corporation of America. Control circuit. 2,245,808; June 17.
Olley, Maurice, assignor to General Motors Corporation, Detroit, Mich. Automobile suspension system. 2,245,809; June 17.
Olson, Rudolph, Sharon, N. Dak. Auxiliary feed device for combines. 2,245,997; June 17.
Olsson, Gosta E., Bridgeport, Conn., assignor to General Electric Company. Washing machine. 2,246,187; June 17.
Oppegaard, Assur G. (See Ancrum, R. W., and Oppegaard.)
O'Reilly, Emmet. (See Jelinek, J. F., and O'Reilly.)
O'Russa, Lorence, Princeville, assignor to Mathias Klein & Sons, Chicago, Ill. Wire gripping tool. 2,245,811; June 17.
Osman, Ralph T., Milwaukee, Wis. Trailer scoop. 2,246,220; June 17.
Osner, Clarence W., and E. G. Busse, assignors to Chicago Railway Equipment Company, Chicago, Ill. Weatherproofing structure. 2,245,812; June 17.
Osuch, Francis J., Grosse Pointe, Mich. Washing apparatus. 2,246,104; June 17.
Osuch, Francis J., Grosse Pointe, assignor to Robot Products Corporation, Detroit, Mich. Washing apparatus. 2,246,105; June 17.
Owens-Corning Fiberglas Corporation. (See Hyde, James F., assignor.)
Owens Corning Fiberglas Corporation. (See Steinbock, Hans, assignor.)
Owens-Illinois Glass Company. (See Kinker, C. C., McBurney, Hopkins, and Tassick.)
Owens, James W., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Fabricated engine frame structure. 2,245,810; June 17.
Oxygen Equipment & Service Company. (See McKee, Albert E., assignor.)
Package Machinery Company. (See Clark, Francis R., assignor.)
Package Machinery Company. (See Smith, Elmer L., assignor.)
Packer, Charles S., assignor to Justrite Manufacturing Company, Chicago, Ill. Electric lantern. 2,245,707; June 17.
Packman, Walter R. (See Phillips, E. E., and Packman.)
Palme, Arthur, and O. P. McCarty, Pittsfield, Mass., assignors to General Electric Company. Apparatus for transformer tap changing under load. 2,246,182; June 17.
Parker, James B., Rome, Ga., assignor to Tubize Chatillon Corporation. Unwinding thread. 2,245,937; June 17.
Parr, Bernard F., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Sandwich grill. 2,246,317; June 17.
Parr, Warren S. (See Peters, M. F., and Parr.)
Patt, Sylvester, Willoughby, Ohio. Dough former. 2,246,106; June 17.
Patterson, Ralph J., Waterville, Maine. Handle for hand implements. 2,246,263; June 17.
Patton, Carl W., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Coating process. 2,245,708; June 17.
Patton, Edgar P., Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for forming coils. 2,246,143; June 17.
Paul, Benjamin, Los Angeles, Calif. Condenser tester. 2,245,603; June 17.
Paull, Henry, Duluth, Minn. Control means for moving puppets. 2,246,381; June 17.
Pauschert, Theodor, Wetzlar, Germany, assignor, by mesne assignments, to F. Dumur, Lausanne, Switzerland. Focal plane shutter. 2,245,871; June 17.
Pearce, Owen A. (See McClew, J. W., and Pearce.)
Pearson, John M. (See Bazzoni, C. B., and Pearson.)
Pearson, Thomas F., Pontefract, England, assignor to Crown Cork & Seal Company, Inc., New York, N. Y. Shearing mechanism for use with devices for feeding molten glass to forming machines. 2,245,813; June 17.
Peck, Charles R. (See Anschicks, D. P., and Peck.)
Peek, Robert L., Jr., Townley, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collector apparatus. 2,245,814; June 17.
Peerless Equipment Company. (See Nelson, Robert M., assignor.)
Peloquin, Isaac P., assignor to Boott Mills, Lowel, Mass. Attachment for carding machines. 2,246,454; June 17.
Pepper, Carl P., Fort Wayne, Ind., assignor to General Electric Company. Electric switch. 2,246,183; June 17.
Percy, Joseph H. (See Ross, J., Brandt, and Percy.)
Perrin, René, assignor to Societe d'Electrochimie, d'Electrometallurgie et des Acieries Electriques d'Ugine, Paris, France. Tapping of metals. 2,246,144; June 17.
Peters, Melville F., Beltsville, Md., and W. S. Parr, U. S. Navy. Ignition indicator. 2,245,604; June 17.
Peterson, Carl D., Toledo, Ohio. Synchronizing clutch construction. 2,245,816; June 17.
Peterson, Carl D., and A. H. Deimel, Toledo, Ohio. Transmission gearing. 2,245,815; June 17.
Peterson, Carl D., and A. H. Deimel, Toledo, Ohio. Transmission mechanism. 2,245,817; June 17.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Single side band transmitter. 2,246,184; June 17.
Pfeiffer, William C., assignor to The Egry Register Company, Dayton, Ohio. Manifolding device. 2,245,818; June 17.
Phillips, Ernest E., Leaside, Ontario, and W. R. Packman, Toronto, Ontario, Canada; said Packman assignor to said Phillips. Double glazing. 2,246,075; June 17.
Philips Metalix Corporation. (See Newman, Herbert A., assignor.)
Phillips Petroleum Company. (See MacSporran, Charles, assignor.)
Phillips Petroleum Company. (See Norman, Pearl C., assignor.)
Picker, Joseph M., et al. (See Ausman, Harry R., assignor.)
Pierce, John R., and W. Shockley, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron multiplier. 2,245,605; June 17.

Pietsch, Herbert, Berlin-Siemensstadt, assignor to "Fides" Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany. Grid-controlled gas or vapor-filled discharge vessel for high operating voltages. 2,245,998; June 17.

Pinkernelie, Walter, Krefeld-Uerdingen, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Condensation products from polycarboxylic acids. 2,246,264; June 17.

Pintsch, Julius, Kommanditgesellschaft. (See Wilckens, Ernst, assignor.)

Pitts, Arthur W., Tacoma, Wash. Nebulizer. 2,245,872; June 17.

Pittsburgh Equitable Meter Company. (See Chrisman, Horace, assignor.)

Plechner, Walter W., Metuchen, N. J., and H. V. Alessandroni, assignors to National Lead Company, New York, N. Y. Titanium dioxide composite pigment and making same. 2,246,062; June 17.

Ploeger, Roy F., and A. E. Miller, Rhineland, Mo. Lid clamp for cases. 2,246,455; June 17.

Plotkin, Joseph H., assignor to S. Dresner & Sons, Inc., Chicago, Ill. Folding partition for luggage. 2,245,999; June 17.

Pneumatic Scale Corporation. (See Everett, Arthur C., assignor.)

Pneumatic Scale Corporation. (See Hultin, Oscar H., assignor.)

Pneumatic Scale Corporation. (See Lindholm, Arthur W., assignor.)

Pollard, John H., assignor of one-half to A. Baron and one-half to R. Burdick, Dallas, Tex. Stencil apparatus and the like. 2,246,000; June 17.

Poor & Company. (See Backes, Edward W., assignor.)

Porter, Frank, Syracuse, assignor to The Solvay Process Company, New York, N. Y. Manufacture of ethylene. 2,245,819; June 17.

Postma, Frank, Glen Rock, N. J. Abrading device. 2,245,820; June 17.

Potter, Ralph A., Berkeley, assignor to Union Oil Company of California, Los Angeles, Calif. Sulphurized lubricant. 2,246,415; June 17.

Powers, Walter P., East Orange, N. J., assignor to Associated Patentees, Inc. Light modulator. 2,246,001; June 17.

Powers, Walter P., East Orange, N. J., assignor to Associated Patentees, Inc. Indicating and like instrument. 2,246,002; June 17.

Poynter, Ralph R., Lebanon, Ind. Lawn mower. 2,245,821; June 17.

Pratt, John E., Fairfield, Conn. Curtain protector. 2,246,382; June 17.

Pratt, John R., et al. (See James, Quincy C., assignor.)

Pratt, William H., Lynn, Mass., assignor to General Electric Company. Combined meter and timing motor. 2,246,185; June 17.

Prestinari, Eugen, Summit, and E. Haeffner, assignors to Gemex Company, Newark, N. J. Metal strap construction. 2,246,221; June 17.

Presto Lock Corporation. (See Levine, Abraham, assignor.)

Price, Earl R. (See Price, Harold W. and E. R.)

Price, Harold W. and E. R., assignors to Bendix Products Corporation, South Bend, Ind. Transmission control mechanism. 2,245,714; June 17.

Prince, David C., Swarthmore, Pa., assignor to General Electric Company. Heating control. 2,246,186; June 17.

Projahn, Heinrich, Geisenkirchen, Germany, assignor to United States Pipe and Foundry Company, Burlington, N. J. Producing refractory linings of centrifugal casting molds. 2,246,063; June 17.

Protectoseal Company of America. (See Anschicks, D. P., and Peck, assignors.)

Putman, Henry V., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Power transformer. 2,246,318; June 17.

Pyro-Electro Instrument Co. (See Smith, Clarence E., assignor.)

Quadrex Corporation. (See Leathers, Ward, assignor.)

Quigley, Winfred M., West View, Pa., assignor to Carnegie-Illinois Steel Corporation. Strip feeding device. 2,246,456; June 17.

Quirk Crate Company. (See Quirk, Robert L., assignor.)

Quirk, Robert L., Wauwatosa, assignor to Quirk Crate Company, Cudahy, Wis. Bottle crate. 2,245,709; June 17.

Rabinowicz, Mechel, London, England. Gas supply control means for water heaters. 2,245,822; June 17.

Radio Corporation of America. (See Artzt, Maurice, assignor.)

Radio Corporation of America. (See Bedford, A. V., and Magnusson, assignors.)

Radio Corporation of America. (See Crosby, Murray G., assignor.)

Radio Corporation of America. (See Foster, Dudley E., assignor.)

Radio Corporation of America. (See Holst, P. F. G., and Kirkwood, assignors.)

Radio Corporation of America. (See Huetwohl, Frank, Jr., assignor.)

Radio Corporation of America. (See Koch, Winfield R., assignor.)

Radio Corporation of America. (See Lindenblad, Nils E., assignor.)

Radio Corporation of America. (See Mountjoy, Garrard, assignor.)

Radio Corporation of America. (See Oliver, Arthur L., assignor.)

Radio Corporation of America. (See Peterson, Harold O., assignor.)

Radio Corporation of America. (See Roberts, Walter V., assignor.)

Radio Corporation of America. (See Rust, Noël M., assignor.)

Radio Corporation of America. (See Seeley, Stuart W., assignor.)

Radio Corporation of America. (See Smith, Arthur Z., assignor.)

Rado, John A., Flushing, N. Y., assignor to Hazeltine Corporation. Frequency changing system. 2,245,710; June 17.

Rafrer, Albert, Glen Ridge, assignor to Rafrer Machine Company, Belleville, N. J. Back brace for machine tool rams. 2,245,711; June 17.

Rafrer Machine Company. (See Rafrer, Albert, assignor.)

Ragan, Thomas M., Downey, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Electrically controlled well packer. 2,245,712; June 17.

Ramsey Accessories Manufacturing Corporation. (See Marien, Melvin W., assignor.)

Rappaport, Morris, Brooklyn, N. Y. Waste pipe cleaning apparatus. 2,245,823; June 17.

Ratigan, James P., Los Angeles, Calif. Sucker rod elevator. 2,245,938; June 17.

Rauch, Curt, Chemnitz, Saxony, Germany. Roll-film camera. 2,245,606; June 17.

Rea, Wilton T., Flushing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical contact protection. 2,246,064; June 17.

Reconstruction Finance Corporation. (See Visser, John, assignor.)

Redmond, William A., Corry, Pa. Reclining chair. 2,245,713; June 17.

Reed-Prentice Corporation. (See McIntyre, Frederick W., assignor.)

Reiber, Albert H., Evanston, assignor to Teletype Corporation, Chicago, Ill. Printing telegraph system and apparatus. 2,245,607; June 17.

Reid, Irvin M. (See Webster, W. E., and Reid.)

Reintjes, Harold. (See Swallen, L. C., and Reintjes.)

Reliance Steel Products Company. (See Nagin, Harry S., assignor.)

Reliance Steel Products Company. (See Nagin, H. S., Strickland, assignors.)

Rice Barton Corporation. (See Stafford, S. B., and Smith, assignors.)

Rice, Harold A., Jackson Heights, N. Y. Amusement device. 2,246,383; June 17.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Impulse measuring and recording apparatus. 2,246,003; June 17.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Recording apparatus. 2,246,004; June 17.

Rich, Theodore A., Schenectady, N. Y., assignor to General Electric Company. Impulse measuring and recording apparatus. 2,246,005; June 17.

Richards, Idris T. (See Beale, C. E., and Richards.)

Richardson, Arthur W., London, England, assignor to Shell Development Company, San Francisco, Calif. Heating apparatus for use with liquid fuel. 2,246,265; June 17.

Richter, Johann, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Piezo-electric crystal holder. 2,246,384; June 17.

Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Shutter trigger lock. 2,246,006; June 17.

Rieck, Charles D., St. Paul, Minn., assignor to Louis F. Dow Company. Toy camp lantern light. 2,245,715; June 17.

Riegner, Rudolf W., et al. (See Ansman, Harry R., assignor.)

Riley, Frank O., assignor to American Forging & Socket Company, Pontiac, Mich. Swivel seat mechanism. 2,246,076; June 17.

Ring, Roland, Houston, Tex., assignor to Sperry-Sun Wheel Surveying Company, Philadelphia, Pa. Well surveying instrument. 2,246,319; June 17.

Ritchie, Albert E., assignor to Wildroot Co., Inc., Buffalo, N. Y. Hair curler. 2,245,716; June 17.

Ritter Products Corporation. (See Johnson, Herbert B., assignor.)

Ritzhaupt, Roy H., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y. Carbon interleaved manifolding assembly. 2,246,065; June 17.

Ritz-Woller, Oliver C., Chicago, Ill. Mounting means for flares. 2,245,873; June 17.

Robb, Alexander R. (See Griffin, H. L., Robb, Titus, and Gebhardt.)

Roberts and Schaefer Company. (See Stump, Earl, assignor.)

Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Wave indicating system. 2,245,717; June 17.

Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Oscillation generation. 2,245,718; June 17.

Robinson, Harold A., assignor to the Dow Chemical Company, Midland, Mich. Treatment of Friedel-Crafts reaction liquors. 2,246,007; June 17.

Robinson, Walter S., Chicago, Ill. Curled fiber material and making same. 2,245,874; June 17.

Robey, Richard F., Roselle, N. J., assignor to Standard Oil Development Company. Concentration of olefins. 2,245,719; June 17.

Robinson, Hanson, Wayne, Pa. Mouthpiece for musical instruments. 2,246,266; June 17.

Robot Products Corporation. (See Osuch, Francis J., assignor.)

Roder, Hans, Schenectady, N. Y., assignor to General Electric Company. Tuned circuit. 2,246,188; June 17.

Rodgers, Clarence A., Indianapolis, Ind. Battery plate binder. 2,246,222; June 17.

Roesch, Rudolph G., assignor to The Eraser Company, Inc., Syracuse, N. Y. Manufacturing glass rope. 2,245,824; June 17.

Rogers, George D., U. S. Army, Picatinny Arsenal, N. J. Die. 2,245,608; June 17.

Rogowski, John S., assignor of one-third to S. Kahn and one-third to H. Kahn, Chicago, Ill. Printing press. 2,246,077; June 17.

Rohn, Wilhelm, Hanau-on-the-Main, F. Bollenrath, Berlin-Johannisthal, and H. Cornelius, Berlin-Adlershof, Germany. Valve made of cobalt-nickel-chromium-iron alloy. 2,246,078; June 17.

Rohrer, Josiah H., Philadelphia, Pa. Air heater. 2,245,720; June 17.

Rolph, Thomas W., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Luminaire. 2,246,320; June 17.

Romig, Gerald C., Melrose Park, assignor to American Chemical Paint Company, Ambler, Pa. Metal finishing process. 2,245,609; June 17.

Rooch, Allen T., Cincinnati, Ohio. Diffusing means. 2,246,008; June 17.

Roohk, Henry Vernon. (See Cavanaugh, Luke C.)

Rosén, Erik C. G., Lidingo, Sweden. Wheel mounting. 2,246,009; June 17.

Rosen, Raphael, Elizabeth, N. J., assignor to Standard Oil Development Company. Resins and process for their preparation. 2,246,321; June 17.

Ross, John, R. L. Brandt, and J. H. Percy, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J. Organic reactions in sulphur dioxide. 2,245,721; June 17.

Ross, Oscar A., Los Angeles, Calif. Vacuum cleaner attachment. 2,246,404; June 17.

Ross, Willard E., Falls Church, Va. Folding stand. 2,245,825; June 17.

Roth, Willard, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Gas atmosphere in electric furnaces. 2,246,322; June 17.

Rother, Willard H., assignor to Sumet Corporation, Buffalo, N. Y. Alloy. 2,246,067; June 17.

Rothe, Frank, Garfield, N. J. Micrometric attachment for combination squares. 2,246,066; June 17.

Rovick, John D. (See Drader, J. C., and Rovick.)

Rowe, Alvin V., assignor to Rowe Manufacturing Company, Galesburg, Ill. Gate construction. 2,245,826; June 17.

Rowe Manufacturing Company. (See Rowe, Alvin V., assignor.)

Ruau, Félix F., assignor to Molins Machine Company, Limited, Deptford, London, England. Device for detecting and separating defective cigarettes. 2,246,107; June 17.

Rubel, Charles F., assignor to Union Special Machine Company, Chicago, Ill. Lockstitch sewing machine. 2,246,010; June 17.

Rudd, Harry B., Flushing, N. Y. Mechanism for breaking the frozen connections of ice cubes. 2,246,145; June 17.

Rugg, Edward H., and G. Carlson, Bridgeport, Conn., assignors to General Electric Company. Bar hanger. 2,246,189; June 17.

Russell, John C., Kilgore, Tex. Trap. 2,246,011; June 17.

Rust, Frederick F. (See Vaughan, W. E., and Rust.)

Rust, Noël M., Chelmsford, England, assignor to Radio Corporation of America. Coupling network. 2,245,722; June 17.

Rutherford, Norman F., Central Islip, N. Y. Toy. 2,245,875; June 17.

Sadlon, Martin M. (See Lieber, E., and Sadlon.)

Safety Car Heating and Lighting Company, The. (See Kennedy, John J., assignor.)

Sageb, Société Anonyme de Gestion et d'Exploitation de Brevets. (See Brandt, Edgar W., assignor.)

St. Paul Hydraulic Hoist Company. (See Jelinek, J. F., and O'Reilly, assignors.)

St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting. 2,246,079; June 17.

St. Pierre, Eugene, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Knitting. 2,246,194; June 17.

Salamon, András. (See Bretschneider, H., and Salamon.)

Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Package forming and filling machine. 2,245,827; June 17.

Salzmann, Josef, Munich, assignor to Henschel Flugzeug-Werke A. G., Schoenefeld, Kreis Teltow, Germany. Stretching press. 2,245,723; June 17.

Sanches, Joseph A., New York, N. Y. Float or raft. 2,246,267; June 17.

Sanders, Ernest, Elmwood Park, Ill. Drain. 2,246,012; June 17.

Santora, Dominick, et al. (See Sunell, Joseph K. E., assignor.)

Sardik Incorporated. (See Dickinson, A. C., and Myers, assignors.)

Sayre, William H. (See Kehoe, R. D., Eastty, and Sayre.)

Schaafsma, Albert. (See van Dijck, W. J. D., and Schaafsma.)

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf binder. 2,246,068; June 17.

Schaefchlin, Walter, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Shock and vibration proof mounting for control apparatus. 2,246,323; June 17.

Schaffer, Charles W., and R. Beutner, Philadelphia, Pa. Medicinal composition. 2,245,610; June 17.

Schaper, William A., Cicero, assignor to Johnson Laboratories, Inc., Chicago, Ill. Signal collecting system for radio receivers. 2,246,385; June 17.

Schechtel, Edward. (See Schechtel, H., and Wright, assignors.)

Schechtel, Harry, and M. G. Wright, assignors to E. Schechtel, Denver, Colo. Portable air conditioner. 2,246,069; June 17.

Scher, Louis S., New York, N. Y. Voice silencer. 2,245,724; June 17.

Scherer, Theo. (See von Poser, G., Scherer, and Süs.)

Schiller, Morgan B., Sewickley Heights, Pa., assignor to American Tubular Elevator Company. Tubular scaffold. 2,245,939; June 17.

Schiller, Saul, Brooklyn, N. Y. Assembling buckles. 2,245,725; June 17.

Schinzel, Ludwig. (See Schinzel, Karl and L.)

Schinzel, Karl, Rochester, N. Y., and L. Schinzel, Troppau, Silesia; said K. Schinzel, assignor to Eastman Kodak Company, Rochester, N. Y. Color sound film. 2,246,013; June 17.

Schlack, Paul, Berlin-Treptow, Germany, assignor, by mesne assignments, to W. H. Duisberg, New York, N. Y. Manufacture of basic substituted shaped materials. 2,246,070; June 17.

Schmidt, Maximilian P. (See von Poser, G., and Schmidt.)

Schmitz, Joseph P., Tiffin, Ohio. Vehicle drive. 2,246,191; June 17.

Schmiedel, Johannes, and K. E. P. Jorke, Dresden, Germany, assignors, by mesne assignments, to J. C. Muller, N. V., Rotterdam, Netherlands. Method and means for straightening the flanges of lids of boxes. 2,246,190; June 17.

Schmucker, Lloyd A. (See Deakers, T. W., and Schmucker.)

Schneider, Kurt, Sandersdorf, (Kreis Bitterfeld), assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparing metallic chromium from chromium chloride. 2,246,386; June 17.

Schrank, Harry P., Munroe Falls, assignor to Seiberling Rubber Company, Barberton, Ohio. Pneumatic tire structure. 2,246,479; June 17.

Schraubstadter, Richard T., University City, Mo. Producing hydrocyanic acid and salts thereof. 2,246,014; June 17.

Schröder, Ernst, Berlin-Staaken, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Overload protective relay. 2,246,324; June 17.

Schröter, Karl. (See Dawihl, W., and Schröter.)

Schuh, Arthur J., Wollaston, Mass. Machine for stenciling. 2,245,828; June 17.

Schuler, L., A. G. (See Sturm, J., and Hinderer, assignors.)

Schulte, Milton R., West Orange, assignor to Tung-Sol Lamp Works Inc., Newark, N. J. Radio tube or the like. 2,245,613; June 17.

Schultz, Frederick W., Wichita, Kans. Bolt and mounting therefor. 2,246,457; June 17.

Schultz, Frederick W., Wichita, Kans. Building construction. 2,245,611; June 17.

Schultz, Richard A., Roseville, assignor, by mesne assignments, to Friend Motor Company, St. Clair Shores, Mich. Front wheel drive assembly. 2,245,612; June 17.

Schüssler, Heribert, Cologne, H. Morschel, Leverkusen-Wiesdorf, and W. Meiser, Munich, Germany, assignors to General Aniline & Film Corporation. Water-soluble condensation products. 2,246,071; June 17.

Schutte & Koerting Company. (See Gerber, Walter H., assignor.)

Schwartz, Harry A., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Malleable iron process. 2,245,876; June 17.

Schwartzkopf, Paul, assignor to American Cutting Alloys, Inc., Yonkers, N. Y. Sintered hard metal alloy, in particular for tools. 2,246,387; June 17.

Scott, William M., Jr., Bryn Mawr, assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa. Switching mechanism. 2,246,072; June 17.
Scovill Manufacturing Company. (See Seyfried, Arthur W., assignor.)
Seares, Richard U., Pasadena, Calif. Animating mechanism for signs. 2,245,940; June 17.
Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Bearing seal. 2,246,471; June 17.
Seeley, Stuart W., Bayside, N. Y., assignor to Radio Corporation of America. Remote control system. 2,245,829; June 17.
Sefton Fibre Can Company. (See Gaedig, Otto J., assignor.)
Seiberling Rubber Company. (See Schrank, Harry P., assignor.)
Sendlinger Optische Glaswerke G. m. b. H. (See Jaeckel, Georg, assignor.)
Sentipal, Stephen. (See Hanna, C. R., and Sentipal.)
Sermon, Louise L., Duluth, Minn. Seat attachment for buoys. 2,246,108; June 17.
Serrano, Edmundo H., St. Louis, Mo. Racket stringing machine. 2,246,109; June 17.
Servel, Inc. (See Andersson, S. W. E., assignor.)
Service Wood Heel Co., The. (See Constantine, George R., assignor.)
Servil, Inc. (See Tandberg, J. G., and Damsberg, assignors.)
Seyfried, Arthur W., Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn. Fruit juice extractor pressure cup. 2,245,726; June 17.
Shapiro, Abraham. (See Adams, G. L., Barlow, and Shapiro.)
Shapiro, Ike, et al. (See Filer, John J., assignor.)
Sharp, Robert E. B., Philadelphia, Pa., assignor, by mesne assignments, to The Baldwin Locomotive Works. Hydraulic power-accumulation system. 2,246,472; June 17.
Sharples Corporation, The. (See Ayres, Arthur U., assignor.)
Shea, Gerald B., et al. (See Weir, J. W., and Montgomery, assignors.)
Sheffield Corporation, The. (See Aller, Willis F., assignor.)
Sheffield, Lexington, O., Raiford, Fla. Game. 2,245,830; June 17.
Shell Development Company. (See Bent, Franklin A., assignor.)
Shell Development Company. (See Court, William F., assignor.)
Shell Development Company. (See Groll, H. P. A., Hearne, and La France, assignors.)
Shell Development Company. (See Kohn, Gerhard, assignor.)
Shell Development Company. (See Richardson, Arthur W., assignor.)
Shell Development Company. (See van Dijck, W. J. D., and Schaafsma, assignors.)
Shell Development Company. (See Vaughan, W. E., and Rust, assignors.
Shell Development Company. (See Webb, Wells A., assignor.)
Shell Development Company. (See Yates, Wallace J., assignor.)
Sherman, Jerome, Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Watt-hour meter. 2,246,325; June 17.
Shockley, William. (See Pierce, J. R., and Shockley.)
Shockley, William, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,245,614; June 17.
Shue, Ingle R., Beloit, Wis., assignor to Gardner Machine Company, South Beloit, Ill. Grinding disk. 2,246,223; June 17.
Sica, Ralph, Philadelphia, Pa. Float mechanism for urns. 2,246,388; June 17.
Sidnell, Robert G., Berea, assignor to General Dry Batteries, Inc., Cleveland, Ohio. Hearing-aid battery. 2,246,110; June 17.
Siemens & Halske, Aktiengesellschaft. (See Dörfel, W., Fischer, and Lintzel, assignors.)
Sigoda, Victor J., Brooklyn, assignor to Man-Sew Pinking Attachment Corp., New York, N. Y. Ruffling attachment for sewing machines. 2,245,877; June 17.
Silberman, David, Brooklyn, assignor to Universal Slide Fastener Co. Inc., New York, N. Y. Hopper feed control mechanism for slide fastener stringer forming apparatus. 2,245,727; June 17.
Silsby, Charles F., White Plains, assignor to The Solvay Process Company, New York, N. Y. Electrolysis of salts in liquid ammonia. 2,245,831; June 17.
Simpson, Emory G., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Sliding top. 2,245,832; June 17.
Sims, Lawrence, assignor of one-third to F. G. Irwin and one-third to G. James, Topeka, Kans. Snowplow. 2,246,015; June 17.
Sinclair, Charles W., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich. Rim. 2,246,017; June 17.
Sinclair Refining Company. (See Campbell, Oliver F., assignor.)
Sinclair Refining Company. (See Gothard, N. J., and Entwistle, assignors.)
Sinclair Refining Company. (See Kuhn, Herman C., assignor.)
Sinclair, Virgil O., Los Angeles, Calif. Machine for packaging butter, cheese, and similar commodities. 2,246,016; June 17.
Sipe, Harry E., New York, N. Y. Device for circumferentially grooving tire surfaces. 2,245,728; June 17.
Skonnord, Olaf B., Valley City, N. Dak. Tire pressure indicating system. 2,246,389; June 17.
Sleigh, Herbert L. (See Cheston, Arthur S., assignor.)
Slepian, Joseph, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor-electric device. 2,246,326; June 17.
Slepian, Joseph, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor electric device. 2,246,327; June 17.
Slough, Frank D., Cleveland, and C. W. McNash, Lakewood, Ohio; said Slough assignor to H. B. Henson. Electric typewriter. 2,245,615; June 17.
Smidth, F. L., & Co. (See Lindhard, Povl T., assignor.)
Smidth, F. L., & Co. (See Vogel-Jorgensen, Mikael, assignor.)
Smith, Arthur Z., Riverhead, N. Y., assignor to Radio Corporation of America. Simplex and duplex telegraph system. 2,246,073; June 17.
Smith, Clarence E., Dearborn, assignor to Pyro-Electro Instrument Co., Detroit, Mich. Hardness testing machine. 2,246,146; June 17.
Smith, Elmer L., Longmeadow, assignor to Package Machinery Company, Springfield, Mass. Wrapping machine. 2,246,268; June 17.
Smith, George O., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Asymmetrical conductor and making the same. 2,246,328; June 17.
Smith, Henry J., assignor to The American Pulley Company, Philadelphia, Pa. Braking mechanism. 2,246,147; June 17.
Smith, Herman A. (See Stafford, S. B., and Smith.)
Smith, Horace L., Jr., and L. N. Jones, assignors to Thermal Engineering Corporation, Richmond, Va. Apparatus for varying moisture content. 2,245,833; June 17.
Smith, Joseph B., as trustee. (See Brown, Elmer L., assignor.)
Smith, Ray W., Houston, assignor of one-half to M. McDannald, Harris County, Tex. Bore hole orienting and surveying. 2,246,417; June 17.
Smith, Raymond W., Rock Falls, assignor to Chas. O. Larson Co., Sterling, Ill. Separable pivot connection for window sash operators. 2,246,192; June 17.
Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Electric fuse device. 2,246,193; June 17.
Smith, Zachary H., Mishawaka, Ind. Valved floor drain. 2,246,390; June 17.
Snug-Fit Foundations Inc. (See Finklestein, Abraham L., assignor.)
Snyder, Harry L., West Los Angeles, Calif., assignor to Lower Rubber Manufacturing Co., Ravenna, Ohio. Elastic clothesline. 2,245,729; June 17.
Snyder, Harvey B., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,246,018; June 17.
Snyder, Victor C., assignor to The French Renovating Company, Cleveland, Ohio. Scrubbing machine for floors and floor covering. 2,246,111; June 17.
Societe d'Electrochimie, d'Electrometallurgie et des Acieries Electriques d'Ugine. (See Greffe, André, assignor.)
Societe d'Electrochimie, d'Electrometallurgie et des Acieries Electriques d'Ugine. (See Perrin, René, assignor.)
Societe Rateau. (See Anxionnaz, René, assignor.)
Society of Chemical Industry in Basle. (See Felix, F., and Huber, assignors.)
Socony-Vacuum Oil Company. (See Adams, G. L., Barlow, and Shapiro, assignors.)
Socony-Vacuum Oil Company. (See Moran, R. C., Evers and Fuller, assignors.)
Soller, Walter, Cincinnati, Ohio, assignor of one-half to W. H. Woodin, Jr., Tucson, Ariz. Amplification system. 2,245,616; June 17.
Solvay Process Company, The. (See Porter, Frank, assignor.)
Solvay Process Company, The. (See Silsby, Charles F., assignor.)
Sorensen, Carl P., Chicago, Ill. Electrical control apparatus. 2,246,391; June 17.
Sorensen, Ed L., Albany, Calif. Safety link. 2,245,878; June 17.
Sorenson, Jesse F., Long Beach, Calif. Anchor hairpin magnet. 2,246,269; June 17.
Sossner, Theodore T., New York, N. Y. Monogram engraving machine. 2,245,879; June 17.
Southington Hardware Company, The. (See McGrath, Nicholas B., assignor.)
Sparrow, Hubert T., Minneapolis, Minn., assignor to The Brown Instrument Company, Philadelphia, Pa. Control system. 2,245,730; June 17.

Sparrow, Hubert T., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Safety control device. 2,245,834; June 17.
Speer, Robert A., Detroit, Mich. Cylinder lock. 2,246,112; June 17.
Sperry, John A., Tallmadge, assignor to The Baker McMillen Company, Akron, Ohio. Handle construction. 2,246,393; June 17.
Sperry-Sun Well Surveying Company. (See Bazzoni, C. B., and Pearson, assignors.)
Sperry-Sun Well Surveying Company. (See Ring, Roland, assignor.)
Spreine, Heinrich, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Automatic band-width regulation means. 2,245,731; June 17.
Spreng, Warren M., and K. L. Finley, assignors to The F. E. Myers & Bro. Co., Ashland, Calif. Cylinder construction. 2,246,392; June 17.
Spurling, Bertram C., deceased; M. A. Spurling, administratrix, assignor to The Bentley Engineering Company Limited, Leicester, England. Grinding machine. 2,246,023; June 17.
Spurling, Mildred A., administratrix. (See Spurling, Bertram C.)
Square D Company. (See Kollsman, Paul, assignor.)
Squibb, E. R., & Sons. (See Christiansen, Walter G., assignor.)
Squibb, E. R., & Sons. (See Gerlough, Tillman D., assignor.)
Staak, Julius H., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,246,270; June 17.
Stackpole Carbon Company. (See Lodge, Edmund G., assignor.)
Stadler, Robert. (See Eberhardt, E., and Stadler.)
Stafford, Stephen B., Oxford, and H. A. Smith, Holden, Mass., assignors to Rice Barton Corporation. Printing machine. 2,245,617; June 17.
Stafford, Stephen B., Oxford, and H. A. Smith, Holden, Mass., assignors to Rice Barton Corporation. Printing roll and driving mechanism. 2,245,618; June 17.
Stahlecker, Wilhelm, Stuttgart-Bad Cannstatt, Germany, assignor to Vereinigte Kugellagerfabriken A. G., Schweinfurt, Werk Bad-Canstatt. Pawl for spindle swing arms. 2,246,473; June 17.
Stahlecker, Wilhelm, Stuttgart-Bad Cannstatt, assignor to Vereinigte Kugellagerfabriken A. G., Schweinfurt, Werk Bad-Canstatt, Germany. Guiding arrangement for top weighting rolls. 2,246,474; June 17.
Stahlecker, Wilhelm, Stuttgart-Bad Cannstatt, assignor to Vereinigte Kugellagerfabriken A. G., Schweinfurt, Werk Bad-Canstatt, Germany. Upper part for spindles. 2,246,475; June 17.
Standard Oil Development Company. (See Arundale, E., and Mikeska, assignors.)
Standard Oil Development Company. (See Bartlett, J. H., and Zadde, assignors.)
Standard Oil Development Company. (See Duncan, G. W., and Whiteley.)
Standard Oil Development Company. (See Kelley, Frank B., assignor.)
Standard Oil Development Company. (See Krebs, Robert W., assignor.)
Standard Oil Development Company. (See Lieber, Eugene, assignor.)
Standard Oil Development Company (See Lieber, E., and Sadlow, assignors.)
Standard Oil Development Company. (See Lynch, Charles S., assignor.)
Standard Oil Development Company. (See Mikeska, Louis A., assignor.)
Standard Oil Development Company. (See Morway, Arnold J., assignor.)
Standard Oil Development Company. (See Mounce, Whitman D., assignor.)
Standard Oil Development Company. (See Robey, Richard F., assignor.)
Standard Oil Development Company. (See Rosen, Raphael, assignor.)
Standard Oil Development Company. (See Zimmer, J. C., and Morway.)
Standard Railway Refrigerator Company. (See Helwig, Arthur A., assignor.)
Standard Railway Equipment Manufacturing Company. (See Tangerman, William J., assignor.)
Standard Stoker Company, The. (See Lentz, W. L., and Martin, assignors.)
Stearn, John T., Springfield, Pa., assignor to The United Gas Improvement Company. Styrene polymerization. 2,245,619; June 17.
Steel Plumbing Wares, Inc. (See Graf, Vincent J., assignor.)
Steele, James W., North Kansas City, Mo. Can crushing means. 2,246,394; June 17.
Steele, James W., North Kansas City, Mo. Collar support. 2,246,395; June 17.
Stehlik, Rudolph F., Antwerp, Belgium, assignor to Associated Telephone & Telegraph Company, Chicago, Ill. Telephone instrument. 2,245,835; June 17.
Steinbock, Hans, Dusseldorf-Gerresheim, Germany, assignor to Owens Corning Fiberglas Corporation, Toledo Ohio. Binder for glass fiber threads. 2,245,620; June 17.
Steinlein, Gustav, Mainberg, near Schweinfurt, Germany. Two stroke internal combustion engine operating with fuel injection. 2,246,019; June 17.
Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Magnetic adjusting apparatus. 2,246,148; June 17.
Stobb, Anton, Westfield, assignor to American Type Founders, Inc., Elizabeth, N. J. Sheet feeder. 2,245,836; June 17.
Stoddard, Ralph N., and A. R. Dennington, East Orange, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Ballast lamp for sterilamp. 2,245,837; June 17.
Stoesser, Sylvia M., Midland, and O. A. Braley, Albion, assignors to The Dow Chemical Company, Midland, Mich. Treatment of styrene with copper. 2,246,020; June 17.
Stone, May E., Omaha, Nebr. Nonslip shoulder strap attachment. 2,245,941; June 17.
Streander, Philip B., Maplewood, N. J., assignor to Municipal Sanitary Service Corporation. Disposal of garbage or garbage and sewage sludge and the like. 2,246,224; June 17.
Streat, P. L., Jr. (See Baisden, Andrew L., assignor.)
Strickland, Leslie. (See Nagin, H. S., and Strickland.)
Strongin, Robert I., Chicago, Ill. Machine for making candy canes. 2,246,420; June 17.
Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Stop mechanism. 2,245,732; June 17.
Stump, Earl, Harvey, assignor to Roberts and Schaefer Company, Chicago, Ill. Apparatus for separating material. 2,245,942; June 17.
Sturm, Jakob, and A. Hinderer, Goppingen, assignors to L. Schuler, A. G., Goppingen, Wurttemburg, Germany. Hydraulic draw press. 2,246,021; June 17.
Subkow, Philip, West Los Angeles, assignor to Union Oil Company of California, Los Angeles, Calif. Reforming and polymerizing hydrocarbons. 2,245,733; June 17.
Subkow, Philip, West Los Angeles, assignor to Union Oil Company of California, Los Angeles, Calif. Cracking and polymerizing hydrocarbons. 2,245,734; June 17.
Subkow, Philip, West Los Angeles, assignor to Union Oil Company of California, Los Angeles, Calif. Simultaneous cracking and polymerizing of hydrocarbons. 2,245,735; June 17.
Sullivan, James P., et al. (See Bellman, Elwood P., assignor.)
Sullivan, Jeremiah J., Jr., et al. (See Bellman, Elwood P., assignor.)
Sullivan Machinery Company. (See Joy, Joseph F., assignor.)
Sumet Corporation. (See Rother, Willard H., assignor.)
Summerbell, William, Watervliet, N. Y., assignor to Government of the United States of America, as represented by the Secretary of War and his successors in office. Firing mechanism. 2,245,621; June 17.
Summerbell, William, Watervliet, N. Y., assignor to Government of the United States of America, as represented by the Secretary of War and his successors in office. Breechblock operating mechanism. 2,245,622; June 17.
Summerbell, William, Watervliet, N. Y., assignor to Government of the United States of America, as represented by the Secretary of War and his successors in office. Firing mechanism. 2,245,623; June 17.
Sunell, Joseph K. E., assignor of forty-nine per cent to D. Santora, Hempstead, and twenty-five and one-half per cent to E. N. Nilsson, Franklin Square, N. Y. Reel for picture machines. 2,246,113; June 17.
Sunell, Joseph K. E., assignor of forty-nine per cent to D. Santora, Hempstead, and twenty-five per cent to E. N. Nilsson, Franklin Square, N. Y. Reel for picture machines. 2,246,114; June 17.
Süs, Oskar. (See von Poser, G., Scherer, and Süs, Svenson, Helge. (See von Poser, G., Scherer, and Süs, assignors.)
Swallen, Lloyd C., and H. Reintjes, Pekin, Ill., assignors, by mesne assignments, to Corn Products Refining Company, New York, N. Y. Obtaining borax soluble zeanin. 2,245,736; June 17.
Swartout, Charles W. (See Craig, J. R., and Swartout.)
Sweeney, Joseph L., New York, N. Y. Phonetic typewriting machine. 2,246,195; June 17.
Tandberg, John G., and C. Damsberg, Stockholm, Sweden, assignors, by mesne assignments, to Servel, Inc., New York, N. Y. Refrigeration. 2,245,737; June 17.
Tangerman, William J., Hammond, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Floor protection for railway cars. 2,245,943; June 17.
Tarr, Omar F., Stoneleigh, and L. G. Tubbs, Baltimore, Md., assignors to Mutual Chemical Company of America, New York, N. Y. Reduction of chromates to produce chromic oxide. 2,246,396; June 17.
Tassick, John A. (See Kinker, C. C., McBurney, Hopkins, and Tassick.)
Tate, William T., Manchester, England. Pipe cleaning apparatus. 2,246,421; June 17.
Taylor, Ivan M., Boston, Mass. Plural-compartment envelope. 2,245,738; June 17.

Taylor, Richard H., Greens Farms, Conn., assignor to Electroloy Company, Inc., New York, N. Y. Electrode welding-tip puller. 2,245,838; June 17.
Teal, Gordon K., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,245,624; June 17.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Dewitz, Hilmar G., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hollmann, Hans E., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Richter, Johann, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Spreine, Heinrich, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Wesch, Ludwig, assignor.)
Teleregister Corporation. (See Marshall, J. C., and Haselton, assignors.)
Teletype Corporation. (See Reiber, Albert H., assignor.)
Telkes, Maria, Edgewood, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heat absorber. 2,246,329; June 17.
Ternstedt Manufacturing Company. (See Simpson, Emory G., assignor.)
Texas Company, The, et al. (See Aitken, R. H., and Kiersted, assignors.)
Texas Company, The. (See Kaufman, G., and Barnett, assignors.)
Textile Machine Works. (See Gastrich, Gustav, assignor.)
Thermal Engineering Corporation. (See Smith, H. L., and Jones, assignors.)
Thomas, Commodore J., Green Bay, Wis. Golf practicing device. 2,245,739; June 17.
Thomason, Ernest K., Atlanta, assignor to Atlanta Works, East Point, Ga. Sacking scale. 2,246,422; June 17.
Tide Water Associated Oil Company. (See Beattie, Robert, assignor.)
Timken Roller Bearing Company, The. (See Doolan, James P., assignor.)
Tinker, Walter H., assignor to The Ohio Injector Company, Wadsworth, Ohio. Injector. 2,245,839; June 17.
Tinnerman, George A., Rocky River, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio. Making fastening devices. 2,246,022; June 17.
Tinnerman Products, Inc. (See Tinnerman, George A., assignor.)
Tipton, Leonard J., H. M. Yagge, and J. A. Bowman, Neosho, Mo.; said Tipton assignor of one-sixth to said Yagge and one-sixth to said Bowman. Fowl knife. 2,245,880; June 17.
Titan Company, Inc. (See Ancrum, R. W., and Oppegaard, assignors.)
Titus, Rolla W. (See Griffin, H. L., Robb, Titus, and Gebhardt.)
Tobolski, Felix, Temple, Pa. Brush. 2,246,423; June 17.
Transducer Corporation. (See Gianni, Gabriel M., assignor.)
Trans-Lux Corporation. (See Newman, David F., assignor.)
Traum, David, assignor to Dritz-Traum Company, Inc., New York, N. Y. Ornamental book covering. 2,246,397; June 17.
Treharne, Reese. (See Van Saune, R. H., Ferguson, and Treharne.)
Troche, Ernest R., Baltimore, Md., I. N. R. Morgan, New York, N. Y., and L. A. Vancura, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Method of continuously applying insulating material to a strand. 2,246,149; June 17.
Tröger, Richard, Berlin-Zehlendorf-Mitte, Germany, assignor to General Electric Company. Electric valve circuit. 2,246,150; June 17.
Trotter, Joseph W., Toronto, Ontario, Canada. Apparatus for production of low boiling point hydrocarbons. 2,245,625; June 17.
Tubbs, Llewellyn G. (See Tarr, O. F., and Tubbs.)
Tube-Turns, Incorporated. (See Zoeller, Walter E., assignor.)
Tubize Chatillon Corporation. (See Parker, James B., assignor.)
Tucker, Harold. (See Alexander, C. H., and Tucker.)
Tullis, Boyd W., assignor to The Coleman Lamp and Stove Company, Wichita, Kans. Portable stove. 2,246,080; June 17.
Tung-Sol Lamp Works Inc. (See Schulte, Milton R., assignor.)
Turner, Charles G., Atlanta, Ga. Dough cutting and panning device. 2,246,424; June 17.
Twentieth Century-Fox Film Corporation. (See Lavin, John M., assignor.)
Twiss, F. E., Co. (See Twiss, Frank E., assignor.)
Twiss, Frank E., Taunton, assignor to F. E. Twiss Co., Inc., Boston, Mass. Windshield wiper and similar mechanism. 2,245,626; June 17.
Ulmer, William L. (See Medsker, Charles A., assignor.)
Union Oil Company of California. (See Froome, C. W., and Boyd, assignors.)
Union Oil Company of California. (See Potter, Ralph A., Jr., assignor.
Union Oil Company of California. (See Subkow, Philip, assignor.)
Union Special Machine Company. (See Rubel, Charles F., assignor.)
Union Switch & Signal Company, The. (See Bone, H. L., and Livingston, assignors.)
Unit Rig & Equipment Company. (See Guier, William, assignor.)
United Autographic Register Co. (See Winter, Charles L., assignor.)
United Gas Improvement Company, The. (See Stearn, John T., assignor.)
United Shoe Machinery Corporation. (See Adams, Walter, assignor.)
United Shoe Machinery Corporation. (See Eastman, Fred C., assignor.)
United Shoe Machinery Corporation. (See Eppler, Andrew, Jr., assignor.)
United Shoe Machinery Corporation. (See Nutt, William H.)
United Shoe Machinery Corporation. (See Webster, W. E., and Reid, assignors.)
U. S. Electrical Motors Inc. (See Heyer, Don, assignor.)
United States Pipe and Foundry Company. (See Projahn, Heinrich, assignor.)
United States Rubber Company. (See Murray, Linwood A., Jr., assignor.)
United States Sugar Corporation. (See Falkiner, Ralph S., assignor.)
Universal Camera Corporation. (See Elison, Eli, assignor.)
Universal Slide Fastener Co. Inc. (See Silberman, David, assignor.)
Vancura, Leo A. (See Troche, E. R., Morgan, and Vancura.)
Vanderveld, Anthony, assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Shelf support. 2,245,944; June 17.
Van Dijck, Willem J. D., The Hague, and A. Schaafsma, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Extraction of mixtures of isomeric organic compounds. 2,245,945; June 17.
Van Etten, Scott, Mifflin Township, Franklin County, Ohio. Cutting chain. 2,246,225; June 17.
Van Nattan, Verle, assignor to The Gates Rubber Company, Denver, Colo. Display rack for belts. 2,246,081; June 17.
Van Saun, Raymond H., Chicago, J. L. Ferguson, and R. Treharne, Joliet, assignors to Container Corporation of America, Chicago, Ill. Container forming device. 2,246,398; June 17.
Van Voorhis, William G., Findlay, Ohio, assignor to The Buckeye Traction Ditcher Company. Conveyer belt clip. 2,246,196; June 17.
Varian, Russell H., assignor to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Cal. Stabilization of frequency. 2,245,627; June 17.
Vastano, Joseph, East Providence, and E. Bazner, Providence, R. I. Jewelry ornament. 2,246,399; June 17.
Vaughan, Lucious. (See Glazebrook, R. F., and Vaughan.)
Vaughan, William E., and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of alkyl halides. 2,246,082; June 17.
Verbeck, Arnold F., Oberlungwitz, Germany, assignor to Kallo, Inc., New York, N. Y. Stocking and manufacturing stockings. 2,246,400; June 17.
Vereinigte Kugellager Fabriken A. G. (See Stahlbecker, Wilhelm, assignor.)
Vermere, Edward A., Los Angeles, Calif. Waste system. 2,245,946; June 17.
Vickers Incorporated. (See Snyder, Harvey B., assignor.)
Villinger, Franz. (See Wagner, H., and Villinger.)
Visshe, Gustave A., Calgary, Alberta, Canada. Apparatus for drying fine granular materials. 2,245,881; June 17.
Visser, John, Grand Rapids, assignors, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich. Ash receptacle. 2,245,882; June 17.
Vogel-Jorgensen, Mikael, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Apparatus for treating granular or pulverulent material. 2,246,024; June 17.
Volz, Carl F., Berwyn, Md. Game. 2,246,115; June 17.
Von Poser, Gottlieb, and M. P. Schmidt, assignors to Kalle & Co., Aktiengesellschaft, Wiesbaden-Biebrich, Germany. Production of diazotype reflex copies. 2,246,425; June 17.
Von Poser, Gottlieb, T. Scherer, and O. Süs, Wiesbaden-Biebrich, Germany, assignors, by mesne assignments, to H. Svenson, Goteborg, Sweden. Reflex copying process. 2,245,628; June 17.
Voorhies, Carl, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Hydraulic tappet construction. 2,246,330; June 17.
Vrooman, Edward C., Schenectady, N. Y., assignor to Locke Insulator Corporation. Tower antenna. 2,246,151; June 17.
Wagner, Herbert, and F. Villinger, assignors to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany. Airplane wing structure. 2,246,116; June 17.
Wagerer, Henry. (See Wohlmuth, Josef, assignor.)

Walberg, Bernard E., Worcester, Mass. Stand for drum and the like. 2,245,883; June 17.
Wallace, David A., Detroit, Mich. Ski and ski shoe assembly. 2,246,152; June 17.
Wallace, David A., Detroit, Mich. Ski and ski shoe assembly. 2,246,153; June 17.
Wallace, William G., Burwell, Nebr. Tire and rim assembly. 2,246,117; June 17.
Walter, Clarence L., St. Louis, Mo. Printing. 2,245,629; June 17.
Walters, Clarence C. (See Bergmann, R. F., and Walters.)
Walton, Samuel F., Hamburg, assignor to The Exolon Company, Blasdell, N. Y. Refractory. 2,246,226; June 17.
Wappner, Ralph C. (See Chaney, J. L., and Wappner.)
Warby, Albert E., Chadwell Heath, England. Belt fastener. 2,245,947; June 17.
Waterfill, Robert W., East Orange, and C. M. Ashley, Maplewood, assignors, by mesne assignments, to Carrier Corporation, Newark, N. J. Method and means for providing refrigeration. 2,246,401; June 17.
Watling, Burns S., assignor to Watling Scale Company, Chicago, Ill. Weighing scale. 2,246,154; June 17.
Watling, Burns S., assignor to Watling Scale Company, Chicago, Ill. Detent release mechanism for weighing scales. 2,246,155; June 17.
Watling Scale Company. (See Watling, Burns S., assignor.)
Watts Regulator Company. (See Dillon, Wendell M., assignor.)
Weaver, Benjamin B., Mount Hope, Ohio. Cultivator. 2,245,884; June 17.
Webb, Hartwell, W., Flint, assignor to General Motors Corporation, Detroit, Mich. Filter medium. 2,245,840; June 17.
Webb, Theo. S. (See Dukes, Jesse L., assignor.)
Webb, Wells A., Albany, assignor to Shell Development Company, San Francisco, Calif. Extraction process. 2,246,227; June 17.
Weber, Peter H. O., assignor of one-half to G. V. Gorham, Dunlap, Iowa. Hay buck and stacker. 2,246,083; June 17.
Webster, Walter W., assignor to Door Glow Lite Company, Minneapolis, Minn. Lighting device. 2,245,885; June 17.
Webster, Wilbur E., and I. M. Reid, Jaffrey, N. H., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J. Machine for cutting articles from strip material. 2,245,630; June 17.
Weidner, William, Astoria, Long Island, N. Y. Shoe sole. 2,246,480; June 17.
Weir, James W., Los Angeles, and H. S. Montgomery, South Pasadena, assignors of thirty per cent to H. C. Miller and ten per cent to G. B. Shea, Oakland, and twenty per cent to A. W. Knight, South Pasadena, Calif. Drilling wells using mud and acid. 2,245,886; June 17.
Weiss, Benjamin G., assignor to The Barbizon Corporation, New York, N. Y. Bobbin dispenser. 2,245,841; June 17.
Wemp, Ernest E., Detroit, Mich. Clutch driven member. 2,246,156; June 17.
Werner, Edward H., Elmhurst, Ill. Universal timer. 2,245,842; June 17.
Werth, Heinrich. (See Oeckl O. and Werth.)
Wesch, Ludwig, Heidelberg, assignor to Telefunken Gesellschaft für Drahtlose Telegraphe m. b. H., Berlin, Germany. Luminescent material. 2,245,843; June 17.
West, Harry R., Pittsfield, Mass., assignor to General Electric Company. Supply system for electrical regulators. 2,246,118; June 17.
Western Electric Company. (See Patton, Edgar P., assignor.)
Western Electric Company. (See Stull, John S., assignor.)
Western Electric Company. (See Troche, E. R., Morgan, and Vancura, assignors.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Brake Company, The. (See Logan, John W., Jr., assignor.)
Westinghouse Air Brake Company, The. (See McCune, J. C., and Newell, assignors.)
Westinghouse Electric & Manufacturing Company. (See Blackburn, Philip W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Brockhaus, Siegfried, assignor.)
Westinghouse Electric & Manufacturing Company. (See Burt, Fred R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Carpenter, Walter E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cook, Willard G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dyer, L. W., and Jordan, assignors.)
Westinghouse Electric & Manufacturing Company. (See Ford, James G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hanna, C. R., and Sentipal, assignors.)
Westinghouse Electric & Manufacturing Company. (See Hodnette, John K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Holloway, Gilbert C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Jenks, Harold C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kilgore, Lee A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kovalsky, J. F., and Fountain, assignors.)
Westinghouse Electric & Manufacturing Company. (See Kübler, Erwin, assignor.)
Westinghouse Electric & Manufacturing Company. (See Kurlander, John H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kurlander, J. H., and Kreidler, assignors.)
Westinghouse Electric & Manufacturing Company. (See Lee, Paul R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lenehan, Bernard E., assignor.)
Westinghouse Electric & Manufacturing Company. (See McGowan, Michael E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Parr, Bernard F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Putman, Henry V., assignor.)
Westinghouse Electric & Manufacturing Company. (See Roth, Willard, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schaelchlin, Walter, assignor.)
Westinghouse Electric & Manufacturing Company. (See Schröder, Ernst, assignor.)
Westinghouse Electric & Manufacturing Company. (See Sherman, Jerome, assignor.)
Westinghouse Electric & Manufacturing Company. (See Sleplan, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Stoddard, R. N., and Dennington, assignors.)
Westinghouse Electric & Manufacturing Company. (See Telkes, Maria, assignor.)
Westinghouse Electric & Manufacturing Company. (See Wickerham, W. R., and Brunner, assignors.)
Westinghouse Electric & Manufacturing Company. (See Zworykin, Vladimir K., assignor.)
Westinghouse Pacific Coast Brake Company. (See Harrie, James W., assignor.)
Wheaton, A. W., Brass Works. (See Krone, H. C., and Meyer, assignors.)
White, Eric L. C., Hillingdon, and J. Hardwick, West Drayton, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Thermionic valve amplifier. 2,246,331; June 17.
Whiteley, James M., Jr. (See Duncan, G. W., and Whiteley.)
Whiteley, Joseph O., Jr., York, Pa., assignor to The Dentists' Supply Company of New York, New York, N. Y. Producing molded articles. 2,246,332; June 17.
White, John W., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,245,740; June 17.
Whiting, Eugene C., Watsonville, Calif. Package holder and cutter. 2,245,948; June 17.
Whitten, James L. (See Burby, J. D., and Whitten.)
Wickerham, William R., Swissvale, and H. C. Brunner, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Synchrotie system. 2,246,333; June 17.
Wickstrom, Edgar A., Marquette, Mich. Heat insulated bottle container. 2,246,426; June 17.
Wikander, Gustavus A., Portland, Oreg. Stopper for laundry tubs, washbasins, and other receptacles. 2,245,887; June 17.
Wilbur, Lawrence S., assignor to Carter Blatchford, Incorporated, Chicago, Ill. Ladder construction. 2,245,888; June 17.
Wilckens, Ernst, Berlin-Sudende, assignor to Julius Pintsch Kommanditgesellschaft, Berlin, Germany. Signaling apparatus for grade crossings. 2,246,025; June 17.
Wildroot Co. (See Ritchie, Albert E., assignor.)
Wiley, Ralph M. (See Coleman, G. H., Wiley, and Hadler.)
Williams, Beverly E., and L. L. Cadwell, assignor to Industrial Patents Corporation, Chicago, Ill. Meat preparation. 2,245,631; June 17.
Williams, Harry E., and L. A. Durant, Chicago, Ill. Ball projector. 2,245,949; June 17.
Williams, Lee B., Pittsburgh, Pa. Shoe fastener. 2,245,950; June 17.
Willig, Edward W., Cincinnati, Ohio. Game apparatus 2,245,844; June 17.
Wilson, Dustin W., Elizabeth, assignor to Gasoline Products Company, Inc., Newark, N. J. Heating apparatus. 2,246,026; June 17.
Wilson, Dustin W., Scarsdale, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J. Heating apparatus. 2,246,027; June 17.
Wilton, Ralph W., Washington, D. C. Book matches. 2,246,427; June 17.
Wilson, William H., Detroit, Mich. Semitrailer structure. 2,246,410; June 17.
Winborne, Russell A., Oak Park, and R. L. Coultrip, Waukegan, assignors to Edison General Electric Appliance Company, Inc., Chicago, Ill. Control device. 2,245,845; June 17.

Windle, John E., North Grafton, Mass. Variable speed transmission. 2,245,889; June 17.
Winkler, Frederick W., Newark, N. J., assignor to C. H. Keel, Forest Hills, N. Y. Apparatus for combining chemicals. 2,245,632; June 17.
Winning, Robert K., Wauwatosa, assignor to Clum Manufacturing Company, Milwaukee, Wis. Permutation lock. 2,245,741; June 17.
Winter, Charles L., Chicago, Ill., assignor to United Autographic Register Co. Bursting machine. 2,246,228; June 17.
Wishart, William W., assignor to Davidson Manufacturing Corporation, Chicago, Ill. Compressor. 2,246,278; June 17.
Wishart, William W., assignor to Davidson Manufacturing Corporation, Chicago, Ill. Compressor. 2,246,279; June 17.
Wittke, Heinz. (See Adenstedt, H., and Wittke.)
Wittmer, Russell J., Cleveland Heights, assignor to Nationable Malleable and Steel Castings Company, Cleveland, Ohio. Car coupler. 2,246,406; June 17.
Wohlmuth, Josef, Wilkinsburg, assignor of one-half to H. Wagerer, Pittsburgh, Pa. Meat tying and supporting hanger. 2,246,229; June 17.
Wolfe, George M., Buffalo, N. Y. Joint cover. 2,245,633; June 17.
Wolff, Robert F., Syracuse, N. Y. Steam chest construction. 2,246,157; June 17.
Wood, Charles E., Milwaukee, Wis. Jig. 2,246,084; June 17.
Wood, Wallace H., and C. G. Flygare, assignors to Norton Company, Worcester, Mass. Hydraulic table reciprocating mechanism. 2,246,476; June 17.
Woodring, Hubert E., Denver, Colo. Grouting outlet. 2,246,028; June 17.
Woodward, Van Lear, Staten Island, N. Y. Baking pan. 2,246,334; June 17.
Woodwin, William H., Jr. (See Soller, Walter, assignor.)
Worcester, Joseph A., Jr., Bridgeport, Conn., assignor to General Electric Company. Amplifier. 2,246,158; June 17.
Work, Robert W., and W. H. Cooney, Pittsfield, Mass., assignors to General Electric Company. Electrical coil. 2,246,159; June 17.
World Broadcasting System, Inc. (See Dickert, James E., assignor.)
Wright, Lorance R., assignor to The Fashion Curtain Company, Inc., Memphis, Tenn. Edge trim for curtains or the like. 2,246,197; June 17.
Wright, Marcus G. (See Schechtel, H., and Wright.)
Wurlitzer, Rudolph, Company, The. (See Lindeberg, Carl, assignor.)
Wurtele, Allan R., New Roads, La. Engine. 2,246,280; June 17.
Wydler, Johann J., Westfield, N. J., assignor, by mesne assignments, to Cities Service Oil Company, New York, N. Y. Air compressor. 2,245,890; June 17.
Wyrick, Clayton E., Wyandotte, Mich. Printing forms on a web. 2,246,335; June 17.
Wyrick, Clayton E., Dayton, Ohio. Folding and collating machine. 2,246,336; June 17.
Yagge, Henry M. (See Tipton, L. J., Yagge, and Bowman.)
Yates, Wallace J., Martinez, assignor to Shell Development Company, San Francisco, Calif. Spray oil. 2,246,230; June 17.
Yingling, John C., Dayton, Ohio. Switch mechanism. 2,245,634; June 17.
York Ice Machinery Corporation. (See Consley, John C., assignor.)
York Ice Machinery Corporation. (See Lehman, Edward G., assignor.)
Yost, Clyde E., assignor to American Seating Company, Grand Rapids, Mich. Chair. 2,246,160; June 17.
Youngstown Sheet and Tube Company, The. (See Engelbaugh, H. E., and Davis, assignors.)
Yuza, Rudolph. (See De Stefani, T., and Yuza.)
Zalkind, Philip, New York, N. Y. Container. 2,246,198; June 17.
Zschiegner, Herbert E., Ocean Grove, N. J. Apparatus for and preventing fogging of double windows. 2,245,635; June 17.
Zadde, Arthur J. (See Bartlett, J. H., and Zadde.)
Zimmer, John C., Hillside, and A. J. Morway, Roselle, N. J., assignors to Standard Oil Development Company. Lubricating oil for carrying high pressures and method for making the same. 2,246,281; June 17.
Zimmer, John C., Hillside, and A. J. Morway, Roselle, N. J., assignors to Standard Oil Development Company. Sulphurized product and making the same. 2,246,282; June 17.
Zoeller, Walter E., assignor to Tube-Turns, Incorporated, Louisville, Ky. Apparatus for making pipe pipe bends and the like. 2,246,029; June 17.
Zworykin, Vladimir K., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Photoelectric mosaic. 2,246,283; June 17.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF JUNE, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Calculating machine. C. M. F. Friden. Re. 21,829; June 17.
Cheese, Method for making. R. Miollis. Re. 21,834; June 17.
Clutch control for automatic gear shifting systems, Progressive. G. Fleischel. Re. 21,828; June 17.
Confection freezing apparatus, Continuous. C. Erickson and E. Spellman. Re. 21,827; June 17.
Control of transmission in two-way telephone systems. D. Mitchell. Re. 21,835; June 17.
Control network. N. P. Case. Re. 21,826; June 17.
Flue structure. W. A. Ticknor. Re. 21,836; June 17.
Method of and apparatus for electrically exploring earth formations. F. W. Huber. Re. 21,832; June 17.
Nasal inhaler. A. C. Hoffman. Re. 21,831; June 17.
Refrigerating apparatus. C. J. Gibson and J. Touborg. Re. 21,830; June 17.
Toolholder. J. R. Jackson. Re. 21,833; June 17.

LIST OF DESIGN INVENTIONS

Apron. M. A. Kling. 127,861; June 17.
Bar, House. W. C. Pahlmann. 127,831; June 17.
Bed, Animal. D. J. McGillicuddy. 127,808; June 17.
Bird cage and stand, Combined. E. W. and G. Little. 127,806; June 17.
Book holder or analogous article. E. D. Heausler. 127,801; June 17.
Bottle. G. Gómez. 127,795; June 17.
Bottle or similar article. P. I. Carthage. 127,787; June 17.
Bottle or similar article. M. S. Ireys. 127,827; June 17.
Cabinet, Refrigerator. R. Loewy. 127,828–9; June 17.
Cabinet, Refrigerator. R. Loewy. 127,843; June 17.
Cabinet, Towel dispensing. H. B. Lewis. 127,805; June 17.
Cap piece for a sign. H. R. Owen. 127,812; June 17.
Case, Clock. L. I. Bruce. 127,786; June 17.
Case, Combination vanity and lipstick. G. D. Runnels. 127,816; June 17.
Casing, Clock. M. E. Schlenker. 127,817; June 17.
Chain drive housing, Motor boat. L. S. Puckett. 127,834; June 17.
Cigarette dispenser or similar article. A. M. Goldberg. 127,793; June 17.
Clock. A. R. and M. N. Tigerman. 127,848; June 17.
Coat. N. Brooks. 127,867; June 17.
Coat. J. H. Matlin. 127,875; June 17.
Collar. L. A. Siegel. 127,865; June 17.
Comb and brush or similar article, Combined. J. Kahn. 127,804; June 17.
Curtain stretcher holder or similar article. J. Pearl. 127,844; June 17.
Drawer pull or the like. G. W. Aldeen. 127,782; June 17.
Dress. S. B. Kaufman. 127,854–5; June 17.
Dress. S. B. Kaufman. 127,857–60; June 17.
Dress. S. B. Kaufman. 127,873–4; June 17.
Dress. S. B. Kaufman. 127,878; June 17.
Dress. B. Pretzfeld. 127,862; June 17.
Dress. H. C. Zanft. 127,866; June 17.
Dress ensemble. M. Croizat. 127,869; June 17.
Dress ensemble. S. B. Kaufman. 127,856; June 17.
Enlarging apparatus, Photographic. A. Drucker. 127,839–41; June 17.
Fabric, Textile. I. Cummings. 127,790; June 17.
Fabric, Textile. E. M. Patterson. 127,876; June 17.
Fabric, Textile. M. A. Susi. 127,847; June 17.
Fabric, Woven textile. R. Hoellerich. 127,872; June 17.
Flashlight or similar article. L. Brodton. 127,785; June 17.
Folding machine or similar article. W. W. Davidson and H. S. Scholl. 127,851; June 17.
Game board. J. Voeller. 127,821; June 17.
Griddle, Gas. R. T. Boardman. 127,784; June 17.
Handbag. S. R. Goldsmith. 127,794; June 17.
Handbag or similar article. S. Dorée. 127,870; June 17.
Hat. M. P. Hyland. 127,852; June 17.
Hat, K. W. Johnson. 127,853; June 17.
Heel, Shoe. W. J. Walsh. 127,879; June 17.
Holder for candle and flowers, Combined. K. W. Hayt. 127,799–800; June 17.
Holder, Scarf. J. R. Craighead. 127,838; June 17.
Hood and supporting unit for gas installation housing, Combined. P. A. Anderson. 127,783; June 17.
Illuminating device, Adjustable. E. A. Price. 127,833; June 17.
Jacket. S. B. Kaufman. 127,877; June 17.
Jacket, Bed. E. Sitkin. 127,846; June 17.
Jar or similar article. V. A. Tomasson. 127,820; June 17.
Lace. I. Zendman. 127,836–7; June 17.
Lace fabric or similar article, Embroidered. J. Wiener. 127,835; June 17.
Lamp. J. J. Clement. 127,850; June 17.
Lighting fixture. E. E. Ashley and A. E. Blumenthal. 127,822; June 17.
Lighting fixture, Adjustable. E. H. Greppin. 127,825; June 17.
Lighting fixture, Fluorescent, D. J. Biller. 127,823; June 17.
Massage instrument. F. Garas. 127,824; June 17.
Musical wind instrument. J. R. Gillie. 127,792; June 17.
Nozzle, Suction. L. Guild. 127,797; June 17.
Pins, Set of jeweled alphabet. H. Reinstein. 127,845; June 17.
Pourer for bottles. M. Holtz. 127,803; June 17.
Pouring device, Container. W. S. Grant. 127,796; June 17.
Rack, Clothes drying. A. E. Olson. 127,811; June 17.
Rack for small articles. G. W. Pipenhagen. 127,813; June 17.
Receptacle for batteries or similar articles. R. Reppert. 127,815; June 17.
Reminder indicator. G. M. Meehan. 127,809; June 17.
Seat, Restaurant. L. W. Lowther. 127,807; June 17.
Shoe or similar article. D. Levin. 127,842; June 17.
Sink support or similar article. A. H. Haberstump. 127,798; June 17.
Spectacle frame. F. H. Fisher. 127,791; June 17.
Spoon or other article of flatware. E. J. Conroy. 127,788; June 17.
Stand, Display. M. C. Meyer. 127,830; June 17.
Stand, Advertising display. S. G. Silberstein. 127,819; June 17.
Stocking. S. A. Roth. 127,864; June 17.
Stool. L. M. Michelson. 127,810; June 17.
Sweater. J. Webster. 127,849; June 17.
Swimming appliance. H. O. Perry. 127,832; June 17.
Switching head. W. H. Frank. 127,871; June 17.
Tire. W. E. Shively. 127,818; June 17.
Toaster. J. O. Reinecke and J. F. Barnes. 127,814; June 17.
Tray and cigarette container, Combined ash. H. W. Couch. 127,789; June 17.
Trimming or similar article, Embroidered. G. J. Rhodes. 127,863; June 17.
Truck, Sugar-cane. J. G. Holmstrom. 127,802; June 17.
Tube, Electron. E. J. Hoffman. 127,826; June 17.
Yarn, Novelty. E. Bry. 127,868; June 17.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF JUNE, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading device. F. Postma. 2,245,820; June 17.
Accelerator, Brake controlled. G. F. Castle. 2,245,852; June 17.
Acid and salts thereof, Producing hydrocyanic. R. T. Schraubstadter. 2,246,014; June 17.
Acids, Condensation products from poly-carboxylic. W. Pinkernelle. 2,246,264; June 17.
Adjusting apparatus, Magnetic. H. M. Stephenson. 2,246,148; June 17.
Air conditioner, Portable. H. Schechtel and M. G. Wright. 2,246,069; June 17.
Air compressor. J. J. Wydler. 2,245,890; June 17.
Air heater. J. H. Rohrer. 2,245,720; June 17.
Aldehydes, Manufacture of unsaturated. M. Gallagher and R. L. Hasche. 2,245,582; June 17.
Aldehydes, Manufacture of unsaturated. M. Gallagher and R. L. Hasche. 2,246,037; June 17.
Alkali metal sulphites, Manufacture of. J. G. Melendy. 2,245,697; June 17.
Alkyl halides, Preparation of. W. E. Vaughan and F. F. Rust. 2,246,082; June 17.
Alloy: *See*—
  Bearing alloy. Dental alloy.
Alloy. W. H. Rother. 2,246,067; June 17.
Alloy for implements and tools, Sintered hard-metal. W. Dawihl and K. Schroter. 2,246,166; June 17.
Alloys, in particular for tools, Sintered hard metal. P. Schwarzkopf. 2,246,387; June 17.
Amides, Halogeno-carboxylic. M. B. Katzman. 2,245,593; June 17.
Amplification system. W. Soller. 2,245,616; June 17.
Amplifier J. A. Worcester, Jr. 2,246,158; June 17.
Amplifier, Feedback. F. B. Llewellyn. 2,245,599; June 17.
Amplifier, Inverse feedback. P. F. G. Holst and L. R. Kirkwood. 2,245,671; June 17.
Amusement device. J. Halberstadter. 2,246,041; June 17.
Amusement device. H. A. Rice. 2,246,383; June 17.
Anchor, Marine. W. H. Oehrle. 2,245,807; June 17.
Animating mechanism for signs. R. U. Seares. 2,245,940; June 17.
Antenna for automobiles, Radio. G. Mountjoy. 2,245,701; June 17.
Antenna, Tower. E. C. Vrooman. 2,246,151; June 17.
Antenna tuning circuit. D. E. Foster. 2,245,662; June 17.
Antiserum. T. D. Gerlough. 2,246,355; June 17.
Apparatus for and method of preventing fogging of double windows. H. E. Zschiegner. 2,245,635; June 17.
Apparatus for annealing coiled strip. J. D. Burby and J. L. Whitten. 2,245,647; June 17.
Apparatus for applying adhesive to shoe parts. A. Eppler, Jr. 2,245,657; June 17.
Apparatus for applying depilating material on carcasses. O. Biedermann and F. J. Bilek. 2,245,553; June 17.
Apparatus for combining chemicals. F. W. Winkler. 2,245,632; June 17.
Apparatus for cutting threads. W. L. Benninghoff. 2,246,237; June 17.
Apparatus for drying fine granular materials. G. A. Vissac. 2,245,881; June 17.
Apparatus for lubricating pneumatic tools. C. A. Medsker. 2,245,600; June 17.
Apparatus for making geophysical or other measurements. L. Machts. 2,246,259; June 17.
Apparatus for making pipe bends and the like. W. E. Zoeller. 2,246,029; June 17.
Apparatus for making pompoms. R. R. Cone. 2,245,903; June 17.
Apparatus for making portions of sinks. V. J. Graf. 2,246,204; June 17.
Apparatus for production of low boiling point hydrocarbons. J. W. Trotter. 2,245,625; June 17.
Apparatus for rapidly cooling bearings and the like. W. S. Enderich and C. E. Eggenschwiler. 2,245,578; June 17.
Apparatus for rapidly effecting metallurgical operations. A. Greffe. 2,246,133; June 17.
Apparatus for separating material. E. Stump. 2,245,942; June 17.
Apparatus for testing used lubricating oils. J. J. Franzman. 2,245,557; June 17.
Apparatus for transformer tap changing under load. A. Palme and O. P. McCarty. 2,246,182; June 17.
Apparatus for treating granular or pulverulent material. M. Vogel-Jorgensen. 2,246,024; June 17.

Apparatus for varying moisture content. H. L. Smith, Jr., and L. N. Jones. 2,245,833; June 17.
Applicator. C. J. Davies. 2,246,126; June 17.
Arsanilic acid, Preparing. W. G. Christiansen. 2,245,572; June 17.
Ash receptacle. J. Visser. 2,245,882; June 17.
Attachment for carding machines. I. P. Peloquin. 2,246,454; June 17.
Attachment for sewing machines, Ruffling. V. J. Sigoda. 2,245,877; June 17.
Axle and tread brake. J. W. Logan, Jr. 2,246,213; June 17.
Bags, Making paper. O. H. Hultin. 2,245,675; June 17.
Bandages, Making mortar. J. M. Hardesty. 2,245,666; June 17.
Bar: *See*—
  Pitman connector bar. Rail joint bar.
Bar hanger. E. H. Rugg and G. Carlson. 2,246,189; June 17.
Basing machine. M. E. McGowan. 2,245,801; June 17.
Battery charging. R. T. Checseman. 2,246,163; June 17.
Battery, Hearing-aid. R. G. Sidnell. 2,246,110; June 17.
Battery terminal protector. J. A. Newhouse. 2,246,060; June 17.
Bearing. P. R. Austin. 2,246,086; June 17.
Bearing. L. Gilman. 2,246,092; June 17.
Bearing alloy. E. R. Darby. 2,246,462; June 17.
Bed lamp. J. Galter. 2,245,663; June 17.
Bed rail lock. J. J. Filer. 2,246,090; June 17.
Bedpan. R. M. Gray. 2,246,205; June 17.
Belt fastener. A. E. Warby. 2,245,947; June 17.
Beverages, Process and apparatus for making. R. L. Nowland. 2,246,061; June 17.
Binder, Battery plate. C. A. Rodgers. 2,246,222; June 17.
Binder for glass fiber threads. H. Steinbock. 2,245,620; June 17.
Binder, Loose-leaf. J. Schade. 2,246,068; June 17.
Binding, Safety. S. C. Brown and E. R. Keller. 2,245,850; June 17.
Bit: *See*—
  Rock mining drill bit.
Blind tilting mechanism, Venetian. H. J. Cohn. 2,245,902; June 17.
Bobbin dispenser. B. G. Weiss. 2,245,841; June 17.
Bolt and mounting therefor. F. W. Schultz. 2,246,457; June 17.
Book and making same, Free-opening slide stitched. R. E. Ackley. 2,245,891; June 17.
Book covering, Ornamental. D. Traum. 2,246,397; June 17.
Book matches. R. W. Wilton. 2,246,427; June 17.
Booth, Voting. K. T. Norris. 2,245,705; June 17.
Bowling pin, Laminated. K. Kraft. 2,246,411; June 17.
Box and similar receptacles. R. A. May. 2,245,798; June 17.
Brace for machine tool rams, Back. A. Rafter. 2,245,711; June 17.
Brake: *See*—
  Hydraulic brake.
Brake. T. P. Chase. 2,246,242; June 17.
Brake. H. H. Kerr. 2,245,682; June 17.
Brake. J. W. White. 2,245,740; June 17.
Brake applying device for automobiles. H. E. Barr and W. Lohman. 2,245,958; June 17.
Brake mechanism. C. C. Farmer. 2,246,201; June 17.
Brake mechanism. H. T. Lambert. 2,245,988; June 17.
Brake mechanism. J. C. McCune and G. K. Newell. 2,246,214; June 17.
Brake rigging, Railway. M. P. Blomberg. 2,246,340; June 17.
Brake system. C. C. Farmer. 2,246,200; June 17.
Brake unit. H. T. Lambert. 2,245,987; June 17.
Braking mechanism. H. J. Smith. 2,246,147; June 17.
Braking or friction device. H. T. Kraft. 2,245,791; June 17.
Braking system, Fluid pressure. E. F. Loweke. 2,245,991; June 17.
Braking system, Vehicle. H. A. Davis. 2,246,127; June 17.
Brassière. A. L. Finkelstein. 2,245,910; June 17.
Brush. F. Tobolski. 2,246,423; June 17.
Bucket. A. L. Baisden. 2,245,744; June 17.
Buckle. F. G. Gise. 2,246,170; June 17.
Buckles, Assembling. S. Schiller. 2,245,725; June 17.
Building construction. H. Braloff. 2,245,644; June 17.
Building construction. F. W. Schultz. 2,245,611; June 17.

Bulb, Lamp. J. L. Koubek and H. C. Mead. 2,245,790; June 17.
Bursting machine. C. L. Winter. 2,246,228; June 17
Bushing. J. G. Ford. 2,246,300; June 17.
Button. E. Oharek and H. Isnenghi. 2,246,316; June 17
Cabinet: *See*—
  Meter cabinet.
Cable: *See*—
  Electric cable.
Cable construction, Armored. G. Carlson. 2,246,124; June 17.
Cable plug. H. Baillard. 2,246,286; June 17.
Camera, Roll-film. C. Rauch. 2,245,606; June 17.
Camera, Stereoscopic. A. Hennicke and H. Bossel. 2,246,439; June 17.
Car: *See*—
  Refrigerator car.
Can crushing means. J. W. Steele. 2,246,394; June 17
Carbon interleaved manifolding assembly. R. H. Ritzhaupt. 2,246,065; June 17.
Carbon, Preparing activated. R. G. Davis. 2,245,579; June 17.
Carburetor. G. Hammond. 2,246,408; June 17.
Carburetor. S. F. Hunt. 2,245,672; June 17.
Carburetor throttle control. I. E. Coffey. 2,246,348; June 17.
Carrier: *See*—
  Landing net carrier. Thread carrier.
Carton. R. T. Frieders. 2,246,484; June 17.
Casing, Artificial. O. W. Becker. 2,246,236; June 17.
Casting apparatus and method. H. E. McWane. 2,245,994; June 17.
Catalytic cracking. O. F. Campbell. 2,246,345; June 17.
Cathode-ray tube circuits. E. W. Bull. 2,246,291; June 17.
Cathode treatment, Thermionic. M. Benjamin 2,246,162; June 17.
Cells and producing the same, Selenium. H. Adenstedt and H. Wittke. 2,246,161; June 17.
Cement, Making. H. B. Johnson. 2,246,253; June 17.
Centering device, Locomotive and car wheel. R. G. McGowan. 2,246,451; June 17.
Centrifugal pump. C. G. McLachlan. 2,245,866; June 17.
Chain: *See*—
  Cutting chain.
Chain drive and take-up therefor. H. Klaucke. 2,245,925; June 17.
Chair: *See*—
  Reclining chair.
Chair. C. E. Yost. 2,246,160; June 17.
Chalk holder. J. J. Fleischmann. 2,245,854; June 17.
Change speed device. J. W. Hale. 2,245,857; June 17
Checking means for circuit breaking mechanisms, Latch. L. W. Dyer and T. A. Jordan. 2,246,298; June 17.
Chest construction, Steam. R. F. Wolff. 2,246,157; June 17.
Chip, Dispenser. W. D. Cochran. 2,246,431; June 17.
Chromates to produce chromic oxide, Reduction of. O. F. Tarr and L. G. Tubbs. 2,246,396; June 17.
Chromium from chromium chloride, Preparing metallic. K. Schneider. 2,246,386; June 17.
Cigar or cigarette holder. F. H. Coleman. 2,246,433; June 17.
Circuit: *See*—
  Antenna tuning circuit. Tuned circuit.
  Electric control circuit. Valve control circuit.
  Electric valve circuit.
  Key-click eliminator circuit.
Circuit breaker, Electric. F. E. Fairman, Jr. 2,246,129; June 17.
Circuit interrupter, Thermostatic. P. R. Lee. 2,246,309; June 17.
Circulation controller. W. M. Dillon. 2,245,967; June 17.
Clamp: *See*—
  Guy rod grounding clamp.
Clamp for cases, Ltd. R. F. Ploeger and A. E. Miller. 2,246,455; June 17.
Cleaner: *See*—
  Vacuum cleaner.
Clip: *See*— Concrete form holding clip.
  Conveyer belt clip.
Closure, Bottle. S. T. Gregorek. 2,245,774; June 17.
Closure manufacture. E. E. Hogg. 2,246,096; June 17.
Closure, Receptacle. D. G. McArn and J. W. McDonald. 2,246,470; June 17.
Clothesline, Elastic. H. L. Snyder. 2,245,729; June 17.
Clutch. J. O. Almen. 2,246,231; June 17.
Clutch construction, Synchronizing. C. D. Peterson. 2,245,816; June 17.
Clutch driven member. E. E. Wemp. 2,246,156; June 17.
Coated container. V. Nelson and A. C. Herro. 2,245,561; June 17.
Coating composition. S. Graves. 2,246,095; June 17.
Coating, Metallic. G. L. Ball. 2,245,745; June 17.
Coating, Mold. J. R. Craig and C. W. Swartout. 2,245,651; June 17.
Coating process. C. W. Patton. 2,245,708; June 17.
Cock and the like. F. Cazenave. 2,245,757; June 17.
Coil, Electrical. R. W. Work and W. H. Cooney. 2,246,159; June 17.
Coin collector apparatus. R. L. Peek, Jr. 2,245,814; June 17.
Cold cream shield. A. M. Elliot. 2,246,035; June 17.
Collar support. J. W. Steele. 2,246,395; June 17.
Communication and posting system. J. C. Marshall and M. L. Haselton. 2,246,449; June 17.
Communication system. L. C. Cavanaugh and H. V. Roohk. 2,245,756; June 17.
Compensation for variations in phase change. N. Monk. 2,246,058; June 17.
Composition of matter. R. C. Moran, W. L. Evers, and E. W. Fuller. 2,246,059; June 17.
Compressor. W. W. Wishart. 2,246,278–9; June 17.
Concrete form holding clip. H. G. Bruchiman. 2,246,343; June 17.
Condensation products, Water-soluble. H. Schüssler, H. Morschel, and W. Meiser. 2,246,071; June 17.
Conductor and making the same, Asymmetrical. G. O. Smith. 2,246,328; June 17.
Conductor for electric cables, Self-supporting hollow. W. Dörfel, E. Fischer, and H. Lintzel. 2,245,766; June 17.
Connector: *See*—
  Electrical connector.
Contact protection, Electrical. W. T. Rea. 2,246,064; June 17.
Container: *See*—
  Coated container. Fiberboard container.
  Display container. Spray gun container.
  Dispensing container.
Container. P. Zalkind. 2,246,198; June 17.
Container feeding apparatus. A. W. Lindholm. 2,245,694; June 17.
Control apparatus, Electrical. C. P. Sorensen. 2,246,391; June 17.
Control circuit. A. L. Oliver. 2,245,808; June 17.
Control device. R. A. Winborne and R. L. Coultrip. 2,245,845; June 17.
Control device, Safety. H. T. Sparrow. 2,245,834; June 17.
Control for clutch operation and gear selection for automotive vehicles, Universal. E. R. Hodgman. 2,246,357; June 17.
Control of moving craft. L. de Florez. 2,246,203; June 17.
Control for dump truck tail gates. P. R. Fairbanks. 2,246,128; June 17.
Control for wash fountains, Water supply. H. A. Mullett. 2,245,934; June 17.
Control means, Circuit. J. F. Lindberg. 2,245,596; June 17.
Control means for moving puppets. H. Paull. 2,246,381; June 17.
Control means for water heaters, Gas supply. M. Rabinowicz. 2,245,822; June 17.
Control mechanism for hydraulic presses, Valve. W. P. Muir and J. H. Maude. 2,246,379; June 17.
Control mechanism for slide fastener stringer forming apparatus, Hopper feed. D. Silberman. 2,245,727; June 17.
Control shafts to predetermined positions, Automatic means for turning rotatable. L. R. J. Leishman. 2,246,050; June 17.
Control system. F. R. Burt. 2,246,292; June 17.
Control system. W. G. Cook. 2,246,294; June 17.
Control system. H. T. Sparrow. 2,245,730; June 17.
Control system, Automatic frequency. W. R. Koch. 2,245,685; June 17.
Control system for electrical apparatus. W. G. Cook. 2,246,295; June 17.
Control system, Remote. S. W. Seeley. 2,245,829; June 17.
Control system, Temperature. A. C. Grant. 2,245,773; June 17.
Controling device for internal combustion engines. E. Becker. 2,245,562; June 17.
Controlling mechanism, Size. M. H. Arms. 2,245,894; June 17.
Controlling system of the follow-up type, Condition. W. L. McGrath. 2,245,802; June 17.
Converter system. E. Kübler. 2,246,308; June 17.
Conveyer belt clip. W. G. Van Voorhis. 2,246,196; June 17.
Conveyer mechanism. G. E. Huenerfauth. 2,245,673; June 17.
Cooker. J. S. Baker. 2,245,957; June 17.
Cooker. Q. C. James. 2,246,048; June 17.
Copy holder. T. Gensmer. 2,245,912; June 17.
Copying process, Reflex. G. von Poser, T. Scherer, and O. Siis. 2,245,628; June 17.
Core, Grille. G. F. Drake. 2,245,908; June 17.
Cosmetic device. T. W. Deakers and L. A. Schumecker. 2,245,906; June 17.
Coupler, Car. R. J. Wittmer. 2,246,406; June 17.
Coupling: *See*—
  Hydraulic coupling. Tubing coupling.
  Pipe or hose coupling
Coupling network. N. M. Rust. 2,245,722; June 17.
Cover: *See*—
  Joint cover.
Cover for couches and the like. S. E. Heil. 2,245,779; June 17.
Cowcatcher for automobiles. S. H. Bang. 2,245,746; June 17.
Crate, Bottle. R. L. Quirk. 2,245,709; June 17.

Crochet set. S. W. Johnston. 2,246,254; June 17.
Cross structure, Ornamental. R. F. Brennan. 2,246,122; June 17.
Crystal holder, Piezo-electric. J. Richter. 2,246,384; June 17.
Cultivator. B. B. Weaver. 2,245,884; June 17.
Cups, Making paper. H. Carew. 2,245,907; June 17.
Curler, Hair. A. E. Ritchie. 2,245,716; June 17.
Curtain fixture. W. E. Keller. 2,246,210; June 17.
Curtain protector. J. E. Pratt. 2,246,382; June 17.
Cushioning and supporting device. H. Enfiajian. 2,245,909; June 17.
Cutter: *See*—
Food cutter. Washer cutter.
Vegetable cutter.
Cutting and panning device, Dough. C. G. Turner. 2,246,424; June 17.
Cutting chain. S. Van Etten. 2,246,225; June 17.
Cutting machine. J. C. Drader. 2,245,907; June 17.
Cutting tool. J. Dottl. 2,246,350; June 17.
Cylinder construction. W. M. Spreng and K. L. Finley. 2,246,392; June 17.
Cylinder lock. R. A. Speer. 2,246,112; June 17.
Cylinder, Master. F. L. Main. 2,246,141; June 17.
Dairy order indicator. F. M. Cronenwett. 2,245,964; June 17.
Damper outlet, Metering. C. M. Ashley. 2,246,338; June 17.
Damper winding. L. A. Kilgore. 2,246,305; June 17.
Deflecting system for cathode ray devices. R. B. Dome. 2,246,168; June 17.
Dental alloy. M. Braid. 2,246,288; June 17.
Dentures, Production of thermoplastic. C. S. Ballard. 2,245,849; June 17.
Depressor, Pour. J. H. Bartlett and A. J. Zadde. 2,245,639; June 17.
Detection of modulation impulses. F. Huetwohl, Jr. 2,245,674; June 17.
Device for automotive vehicles, Protective. E. Bagnall. 2,245,848; June 17.
Device for circumferentially grooving tire surfaces. H. E. Sipe. 2,245,728; June 17.
Device for cleaning electrical and associated equipment. F. R. Hunter. 2,245,859; June 17.
Device for cleaning venetian blinds. B. M. Farrell. 2,246,036; June 17.
Device for detecting and separating defective cigarettes. F. F. Ruau. 2,246,107; June 17.
Device for gas dispensing systems, Safety. C. MacSporran. 2,246,458; June 17.
Diacetyl from methyl vinyl ketone. E. Eberhardt and R. Stadler. 2,246,299; June 17.
Diazotype reflex copies, Production of. G. von Poser and M. P. Schmidt. 2,246,425; June 17.
Die: *See*—
Forging die. Stencil cutting die.
Die. G. D. Rogers. 2,245,608; June 17.
Diffusing means. A. T. Rooch. 2,246,008; June 17.
Discharge apparatus, Electron. G. K. Teal. 2,245,624; June 17.
Discharge device, Electron. S. O. Ekstrand. 2,245,581; June 17.
Discharge device, Electron. W. Shockley. 2,245,614; June 17.
Discharge vessel for high operating voltages, Grid-controlled gas or vapor-filled. H. Pietsch. 2,245,998; June 17.
Disk, Abrasive. R. D. Kehoe, R. B. Eastty, and W. H. Sayre. 2,246,362; June 17.
Disk, Grinding. I. R. Shue. 2,246,223; June 17.
Dispenser: *See*—
Bobbin dispenser. Chip dispenser.
Dispensing container. A. C. Mueller. 2,245,703; June 17.
Display container. R. C. C. Nourse, W. J. Klein, and A. L. Dandurand. 2,246,219; June 17.
Display rack for belts. V. Van Nattan. 2,246,081; June 17.
Distributing system, Liquid. A. B. Hodges. 2,245,668; June 17.
Distributor, Fertilizer. E. L. McWhirter. 2,245,803; June 17.
Door check. R. Micek. 2,246,103; June 17.
Dough former. S. Patt. 2,246,106; June 17.
Dowel assembly for paving joints. B. F. Friberg. 2,245,972; June 17.
Draft gear, Method and means of removing. R. M. Nelson. 2,245,996; June 17.
Drain. E. Sanders. 2,246,012; June 17.
Drain, Valved floor. Z. H. Smith. 2,246,390; June 17.
Drill. E. W. Merry. 2,245,995; June 17.
Drive assembly, Front wheel. R. A. Schultz. 2,245,612; June 17.
Drive mechanism. E. E. Hewitt. 2,246,207; June 17.
Drive mechanism for axle driven speed responsive devices for railway trains. H. L. Bone and J. W. Livingston. 2,245,897; June 17.
Drum for cane harvesting apparatus, Cleaning. R. S. Falkiner. 2,246,352; June 17.
Drying apparatus. C. Hummel. 2,246,252; June 17.
Drying attachment for multicolor presses. T. Makarius. 2,245,797; June 17.
Dyestuffs, Acid wool. E. Heinrich. 2,245,780; June 17.
Dyestuffs, Azo. F. Felix and W. Huber. 2,245,971; June 17.
Dynamoelectric machine. J. H. Staak. 2,246,270; June 17.
Ear muff frame. S. Baritz and S. Lerma. 2,246,031; June 17.
Edge trim for curtains or the like. L. R. Wright. 2,246,197; June 17.
Edge-trimming machine, Automatic. C. J. Melby. 2,245,868; June 17.
Electric cable. G. M. Giannini. 2,245,771; June 17.
Electric control circuit. L. G. Levoy, Jr. 2,246,178; June 17.
Electric control circuit. H. W. Lord. 2,246,179; June 17.
Electric discharge device. T. G. Crawford. 2,246,125; June 17.
Electric plug. H. H. Krauss. 2,245,986; June 17.
Electric switch. E. G. Lodge. 2,246,373; June 17.
Electric switch. C. P. Pepper. 2,246,183; June 17.
Electric valve circuit. R. Tröger. 2,246,150; June 17.
Electrical connector. V. F. Johnson. 2,246,209; June 17.
Electrical discharge device. J. K. Hodnette. 2,246,303; June 17.
Electrical meter. R. D. Hickok. 2,245,781; June 17.
Electrical system. J. J. Kennedy. 2,245,924; June 17.
Electrode welding-tip puller. R. H. Taylor. 2,245,838; June 17.
Electron emitting body. H. Gooskens. 2,246,131; June 17.
Electron multiplier tube. R. C. Hergenrother. 2,246,172; June 17.
Element, Resistance. J. Collard. 2,246,293; June 17.
Elevator, Sucker rod. J. P. Ratigan. 2,245,938; June 17.
Engine: *See*—
Internal combustion engine.
Engine. A. R. Wurtele. 2,246,280; June 17.
Engine frame structure, Fabricated. J. W. Owens. 2,245,810; June 17.
Engine plant, Gas turbine. R. Anxionnaz. 2,245,954; June 17.
Engraving machine, Monogram. T. T. Sossner. 2,245,879; June 17.
Envelope, Plural-compartment. I. M. Taylor. 2,245,738; June 17.
Esters, Unsaturated. E. Arundale and L. A. Mikeska. 2,246,285; June 17.
Ethylene, Manufacture of. F. Porter. 2,245,819; June 17.
Examining bodies by means of neutrons and electron emitting material. H. I. Kallmann and E. Kohn. 2,245,787; June 17.
Extension plumb rod. L. J. Bullivant. 2,245,646; June 17.
Extraction process. W. A. Webb. 2,246,227; June 17.
Fabric retaining means. J. B. Clay. 2,245,961; June 17.
Fabric structure, Laminated pile. L. Guild. 2,246,040; June 17.
Fastener: *See*—
Belt fastener. Shoe fastener.
Fastener for rainspout hangers, Adjustable. J. I. Godshalk. 2,246,247; June 17.
Fastening device. L. Blackmore. 2,245,751; June 17.
Fastening devices, Making. G. A. Tinnerman. 2,246,022; June 17.
Fastening means. A. J. Calderwood. 2,246,344; June 17.
Feed device for combines, Auxiliary. R. Olson. 2,245,997; June 17.
Feeder: *See*—
Sheet feeder.
Feeding device, Strip. W. M. Quigley. 2,246,456; June 17.
Fiber material and making the same, Curled. W. S. Robinson. 2,245,874; June 17.
Fiberboard container. A. Illges. 2,246,097; June 17.
Fibers, Coloring glass. J. F. Hyde. 2,245,783; June 17.
File holder for saw filing machines. F. J. Knowles. 2,245,983; June 17.
Filing machine, Saw. F. J. Knowles. 2,245,984; June 17.
Film. E. D. Bailey and M. M. Brubaker. 2,246,087; June 17.
Film, Color sound. K. and L. Schinzel. 2,246,013; June 17.
Filter medium. H. W. Webb. 2,245,840; June 17.
Firing mechanism. W. Summerbell. 2,245,621; June 17.
Firing mechanism. W. Summerbell. 2,245,623; June 17.
Fish fly. N. H. Berlew. 2,246,428; June 17.
Fishing tool. J. F. Chappell. 2,245,571; June 17.
Fixture, Sail edge securing. R. E. and J. E. Joys and A. F. Meyer. 2,245,677; June 17.
Flanges of lids of boxes, Straightening the. J. Schmiedel and K. E. P. Jorke. 2,246,190; June 17.
Flexible tube. A. E. Chernack. 2,245,758; June 17.
Float mechanism for urns. R. Sica. 2,246,388; June 17.
Float or raft. J. A. Sanches. 2,246,267; June 17.
Floor covering. F. L. McEnany. 2,246,101; June 17.
Floor protection for railway cars. W. J. Tangerman. 2,245,943; June 17.

Fluid meter impeller. H. Chrisman. 2,245,759; June 17.
Fluid pressure device. H. A. Centervall. 2,245,570; June 17.
Fluids, Heating of. W. E. Lobo. 2,246,469; June 17.
Fly ash trap. J. A. Crum. 2,246,349; June 17.
Folding and collating machine. C. E. Wyrick. 2,246,336; June 17.
Folding machine. L. M. Kahn. 2,246,256; June 17.
Folding stand. W. E. Ross. 2,245,825; June 17.
Food cutter. J. M. Marty. 2,246,054; June 17.
Food products, Protecting and preserving. A. C. Dickinson and P. B. Myers. 2,245,576; June 17.
Foodstuffs, Protecting. R. W. Baily. 2,245,956; June 17.
Forging die. D. S. Bell and B. W. Dunham. 2,245,642; June 17.
Forging press. W. W. Criley. 2,245,573; June 17.
Form, Display. L. L. Davidson. 2,245,905; June 17.
Forming device, Container. R. H. Van Saun, J. L. Ferguson, and R. Treharne. 2,246,398; June 17.
Forms on a web, Printing. C. E. Wyrick. 2,246,335; June 17.
Frame: *See*—
Ear muff frame. Rigid welded frame.
Frame for automobiles. M. Klavik. 2,245,789; June 17.
Frequency changing system. J. A. Rado. 2,245,710; June 17.
Frequency modulator. M. G. Crosby. 2,246,164; June 17.
Furnace: *See*—
Hot air heating furnace.
Furniture. K. Michaelis. 2,246,057; June 17.
Fuse device, Electric. S. R. Smith, Jr. 2,246,193; June 17.
Game. L. O. Sheffield. 2,245,830; June 17.
Game. C. F. Volz. 2,246,115; June 17.
Game apparatus. E. W. Willig. 2,245,844; June 17.
Garbage or garbage and sewage sludge and the like, Disposal of. P. B. Streander. 2,246,224; June 17.
Gas arc lamp. T. J. Beregh. 2,246,339; June 17.
Gas atmosphere in electric furnaces. W. Roth. 2,246,322; June 17.
Gate construction. A. V. Rowe. 2,245,826; June 17.
Gate for containers, Clamshell. L. H. Garlinghouse. 2,246,354; June 17.
Gauge: *See*—
Strain gauge. Track gauge.
Gauge. H. C. Kuhn. 2,245,792; June 17.
Gauging apparatus. W. F. Aller. 2,246,485; June 17.
Gear: *See*—
Removing draft gear.
Gear lapping and finishing machine. J. C. Drader and J. D. Rovick. 2,245,654; June 17.
Generator: *See*—
Oscillation generator.
Glass, Manufacture of drawn. P. Magrini. 2,246,053; June 17.
Glass melting and refining furnace. C. C. Kinker, J. E. McBurney, R. W. Hopkins, and J. A. Tassick. 2,246,364; June 17.
Glass rope, Manufacturing. R. G. Roesch. 2,245,824; June 17.
Glazing, Double. E. E. Phillips and W. R. Packman. 2,246,075; June 17.
Glue and making the same, Water-resistant. J. R. Hubbard. 2,246,405; June 17.
Glyoxal, Preparing. H. Lange. 2,246,049; June 17.
Goggles. M. Loud. 2,245,990; June 17.
Governing mechanism for elastic fluid turbines. F. R. Ericson. 2,246,169; June 17.
Grate. J. B. Meyer. 2,245,931; June 17.
Grating. H. S. Nagin. 2,246,216; June 17.
Grease composition. A. J. Morway. 2,245,702; June 17.
Greaser, Rotary curve. W. O. Kelly and G. W. Griffin. 2,245,680; June 17.
Grill, Sandwich. B. F. Parr. 2,246,317; June 17.
Grinder, Brake shoe. E. C. Broxon. 2,246,290; June 17.
Grinding device, Portable. C. Erdman. 2,245,968; June 17.
Grinding machine. B. C. Spurling. 2,246,023; June 17.
Grinding machine, Drill. E. J. Hornberger. 2,245,858; June 17.
Grouting outlet. H. E. Woodring. 2,246,028; June 17.
Guard: *See*—
Lamp guard.
Guard arm for protection of passengers in motor vehicles. J. A. Campbell. 2,245,899; June 17.
Guard for shoes, Protective. L. F. Marino. 2,245,560; June 17.
Guiding arrangement for top weighting rolls. W. Stahlecker. 2,246,474; June 17.
Gun sight. D. Howells. 2,246,174; June 17.
Guy rod grounding clamp. D. C. Hubbard. 2,246,407; June 17.
Hairpin magnet, Anchor. J. F. Sorenson. 2,246,269; June 17.
Handle construction. J. A. Sperry. 2,246,393; June 17.
Handle for fish landing net, Spring extension. L. R. McCoy. 2,245,993; June 17.
Handle for hand implements. R. J. Patterson. 2,246,263; June 17.
Hanger: *See*—
Bar hanger.
Hanger supporting means, Garment. A. Levine. 2,246,137; June 17.
Harvester and feeder. W. A. Johnson. 2,246,361; June 17.
Hat press and hanger, Combination. O. Y. Kyte. 2,246,369; June 17.
Hay buck and stacker. P. H. O. Weber. 2,246,083; June 17.
Headlight with indicator. W. E. Carpenter. 2,245,755; June 17.
Heat absorber. M. Telkes. 2,246,329; June 17.
Heat exchange apparatus, Making. E. G. Lehman. 2,246,258; June 17.
Heat insulated bottle container. E. A. Wickstrom. 2,246,426; June 17.
Heat treatment for aluminum base alloys. R. H. Harrington. 2,246,134; June 17.
Heater: *See*—
Air heater.
Heating apparatus. D. W. Wilson. 2,246,026–7; June 17.
Heating apparatus for use with liquid fuel. A. W. Richardson. 2,246,265; June 17.
Heating control. D. C. Prince. 2,246,186; June 17.
Heating device for glow cathodes. F. Hauffe and H. Kropp. 2,246,302; June 17.
Heating pad, Electrical. W. Bradford. 2,246,238; June 17.
Heating system. W. O. Lum. 2,146,138; June 17.
High frequency apparatus. J. P. Blewett. 2,246,121; June 17.
Hinge, Convertible end gate. J. F. Jelinek and E. O'Reilly. 2,246,358; June 17.
Holder: *See*—
Chalk holder. Crystal holder.
Copy holder. Purse holder.
Cigar or cigarette holder.
Holder and cutter, Package. E. C. Whiting. 2,245,948; June 17.
Holder for cue tips and the like. J. L. Dukes. 2,245,655; June 17.
Honing machine, Horizontal. H. J. Caldwell. 2,246,199; June 17.
Honing machine, Horizontal. A. M. Johnson. 2,245,922; June 17.
Hook: *See*—
Safety hook.
Horse sock. B. Marzani. 2,246,100; June 17.
Hosiery machine, Circular knitting full length lady's. E. P. Bellman. 2,245,749; June 17.
Hot air heating furnace. G. R. Holmann. 2,245,586; June 17.
Humidity drawer. J. D. Brown. 2,246,342; June 17.
Husker, Corn. C. E. Kerr. 2,245,861; June 17.
Hydraulic brake. F. L. Main. 2,246,140; June 17.
Hydraulic coupling. J. N. Klep. 2,245,084; June 17.
Hydraulic disruption of solids. W. F. Court. 2,245,554; June 17.
Hydraulic disruption of solids. W. F. Court. 2,245,575; June 17.
Hydraulic draw press. J. Sturm and A. Hinderer. 2,246,021; June 17.
Hydrocarbons, Cracking and polymerizing. P. Subkow. 2,245,734; June 17.
Hydrocarbons, Simultaneous cracking and polymerizing of. P. Subkow. 2,245,735; June 17.
Hydrocarbons, Reforming and polymerizing. P. Subkow. 2,245,733; June 17.
Ignition indicator. M. F. Peters and W. S. Parr. 2,245,604; June 17.
Illuminating device. W. W. Carroll. 2,246,346; June 17.
Impulse measuring and recording apparatus. T. A. Rich. 2,246,003; June 17.
Impulse measuring and recording apparatus. T. A. Rich. 2,246,005; June 17.
Indicating and like instrument. W. P. Powers. 2,246,002; June 17.
Indicating system, Tire pressure. O. B. Skonnord. 2,246,389; June 17.
Inflating device, Tire. O. L. McGrann. 2,246,102; June 17.
Indicator: *See*—
Dairy order indicator. Straight scale indicator.
Ignition indicator.
Inhaler, Nasal. C. H. and W. Francisco, and L. Brown. 2,245,969; June 17.
Inhaling device. C. N. Erickson. 2,245,658; June 17.
Injector. W. H. Tinker. 2,245,839; June 17.
Inspection and sorting machine, Halved fruit. W. C. Gridley and E. T. Magnus. 2,245,913; June 17.
Insulating material to a strand, Continuously applying. E. R. Troche, I. N. R. Morgan, and L. A. Vancura. 2,246,149; June 17.
Internal combustion engine. B. H. Beach. 2,246,235; June 17.
Internal combustion engine. K. E. Kylén. 2,246,446; June 17.

Internal combustion engine operating with fuel injection, Two stroke. G. Steinlein. 2,246,019; June 17.
Iron process, Malleable. H. A. Schwartz. 2,245,876; June 17.
Ironing machine. H. L. Frick. 2,245,911; June 17.
Irrigation rotary piston action pump. H. L. Johnson. 2,245,590; June 17.
Jarring tool. J. Johnson. 2,245,786; June 17.
Jewelry ornament. J. Vastano and E. Bazner. 2,246,399; June 17.

Jig. C. E. Wood. 2,246,084; June 17.
Joint: *See*—
Partition joint. Universal joint.
Sealed pipe joint.
Joint cover. G. M. Wolfe. 2,245,633; June 17.
Joint drill pipe, Integral. H. W. Graham. 2,246,038; June 17.

Joint for well devices, Circulation and expansion. R. C. Baker. 2,245,638; June 17.
Ketones, Manufacture of unsaturated. J. H. Brant and R. L. Hasche. 2,245,567; June 17.
Ketones, Production of beta gamma unsaturated. F. A. Bent. 2,246,032; June 17.
Key chain construction. W. Forstner. 2,246,091; June 17.

Key-click eliminator circuit. G. W. Cattell. 2,245,569; June 17.
Key sustaining device for keyboard musical instruments, Automatic magnetic. J. A. Dezso. 2,246,434; June 17.
Keyboard for accordions, Piano. C. Lindeberg. 2,246,371; June 17.
Kiln, Rotary. P. T. Lindhard. 2,246,313; June 17.
Knife, Fowl. L. J. Tipton, H. M. Yagge, and J. A. Bowman. 2,245,880; June 17.

Knitting. E. St. Pierre. 2,246,079; June 17.
Knitting. E. St. Pierre. 2,246,194; June 17.
Knot tying. M. N. Noling. 2,246,217; June 17.
Knots, Tying. M. N. Noling. 2,246,218; June 17.
Labeling machine. A. C. Everett. 2,245,659; June 17.
Ladder construction. L. S. Wilbur. 2,245,888; June 17.
Lamp: *See*—
Bed lamp. Multiple filament lamp.
Gas arc lamp. Photo flash lamp.
Metallic bulb lamp.
Lamp for sterilamp, Ballast. R. N. Stoddard and A. R. Dennington. 2,245,837; June 17.
Lamp guard. F. C. Kollath. 2,245,686; June 17.
Landing net carrier. M. N. Davis. 2,246,089; June 17.
Lantern, Electric. C. S. Packer. 2,245,707; June 17.
Laundry apparatus. F. C. Hanson. 2,245,665; June 17.
Leather, paper, and textile materials, Composition and process for softening. L. B. Arnold, Jr. 2,246,085; June 17.

Lens and the manufacture thereof. G. Jaeckel. 2,246,098; June 17.
Lens cutting machine. A. E. Maynard. 2,246,055; June 17.
License plates, Mounting of. A. S. Campbell. 2,245,851; June 17.
Lifting device, Balanced. C. E. Moore. 2,246,142; June 17.
Light: *See*—
Toy camp lantern light.
Light controlling element, Photographic. P. J. Berggren. 2,245,563; June 17.

Lighter, Pyrophoric. J. Kohn. 2,245,926; June 17.
Lighting device. W. W. Webster. 2,245,885; June 17.
Lightning arrester. W. A. McMorris. 2,246,180; June 17.
Line and circuit therefor, Concentric resonant. N. E. Lindenblad. 2,245,597; June 17.
Link, Keeper. J. F. Jelinek and E. O'Reilly. 2,246,359; June 17.
Link, Safety. E. L. Sorensen. 2,245,878; June 17.
Lintel. H. Cunin. 2,245,965; June 17.
Liquid level control. H. C. Davis. 2,245,966; June 17.
Liquid treatment (clarification). W. J. Hughes. 2,245,589; June 17.

Liquids, Mixing and atomizing. C. H. Kilich. 2,246,211; June 17.
Liquors, Treatment of Friedel-Crafts reaction. H. A. Robinson. 2,246,007; June 17.
Loading and unloading apparatus. W. Bisset. 2,246,482; June 17.
Lock: *See*—
Bed rail lock. Permutation lock.
Cylinder lock. Shutter trigger lock.
Nut lock.
Lock for doors or gates. A. H. Fletcher. 2,245,855; June 17.

Locking mechanism for closure members. C. L. Brown, Jr. 2,245,752; June 17.
Loom: *See*—
Screen-cloth loom.
Lubricant. N. J. Gothard and G. Entwistle, Jr. 2,245,772; June 17.
Lubricant. G. Kaufman and R. S. Barnett. 2,246,467; June 17.
Lubricant and making same. A. F. Caprio. 2,245,649; June 17.
Lubricant, Sulphurized. R. A. Potter. 2,246,415; June 17.
Lubricants, Producing. E. Lieber. 2,246,312; June 17.
Lubricating composition, Extreme pressure. L. A. Mikeska. 2,246,314; June 17.
Lubricating device. J. P. Doolan. 2,245,765; June 17.
Lubricating system. I. A. Hunting. 2,245,860; June 17.
Luminaire. T. W. Rolph. 2,246,320; June 17.
Luminescent material. L. Wesch. 2,245,843; June 17.
Luminous gaseous sign, Interchangeable unit. A. H. Kenigsberg. 2,245,681; June 17.
Lure, Fishing. W. E. Haselwood. 2,246,413; June 17.
Machine for cutting articles from strip material. W. E. Webster and I. M. Reid. 2,245,630; June 17.
Machine for forming and folding pocketbook rolls, wiener rolls, and the like. W. H. Attaway. 2,246,477; June 17.

Machine for making candy canes. R. I. Strongin. 2,246,420; June 17.
Machine for making tubes. F. Heinmets. 2,246,043; June 17.
Machine for packaging butter, cheese, and similar commodities. V. O. Sinclair. 2,246,016; June 17.
Machine for processing food product. H. L. Griffin, A. R. Robb, R. W. Titus, and H. T. Gebhart. 2,245,775; June 17.
Machine for stencilling. A. J. Schuh. 2,245,828; June 17.
Machine for wrapping lollipops. F. R. Clark. 2,246,243; June 17.
Manifolding. L. C. Antrim. 2,246,234; June 17.
Manifolding device. W. C. Pfeiffer. 2,245,818; June 17.
Mattress. M. Marsack. 2,245,930; June 17.
Means for bore hole orienting and surveying. R. W. Smith. 2,246,417; June 17.
Meat preparation. B. E. Williams and L. L. Cadwell. 2,245,631; June 17.
Meat tying and supporting hanger. J. Wohlmuth. 2,246,229; June 17.
Mechanical sign. G. Gordon. 2,246,132; June 17.
Mechanism for attaching webs together. D. F. Newman. 2,246,412; June 17.
Mechanism for breaking the frozen connections of ice cubes. H. B. Rudd. 2,246,145; June 17.
Medicinal composition. C. W. Schaffer and R. Beutner. 2,245,610; June 17.
Metal finishing process. G. C. Romig. 2,245,609; June 17.

Metal from pulverulent materials, Producing sintered hard. W. Dawihl and H. Franssen. 2,246,165; June 17.
Metal strap construction. E. Prestinari and E. Haeffner. 2,246,221; June 17.
Metallic bulb lamp. G. C. Holloway. 2,245,782; June 17.
Metals, Tapping of. R. Perrin. 2,246,144; June 17.
Meter: *See*—
Electrical meter. Watt hour meter.
Meter and timing motor, Combined. W. H. Pratt. 2,246,185; June 17.
Meter cabinet. W. S. Catherwood, Jr. 2,246,347; June 17.
Meter construction. F. W. Hanks. 2,246,250; June 17.
Method and apparatus for examining ferromagnetic articles. R. H. Canfield. 2,245,568; June 17.
Method and apparatus for paraffin treatment. P. C. Norman. 2,245,870; June 17.
Method and device for the investigation of substances by slowly moving neutrons. H. I. Kallmann. 2,246,443; June 17.

Method and means for providing refrigeration. R. W. Warterfill and C. M. Ashley. 2,246,401; June 17.
Method of and apparatus for feeding batch to glass melting furnaces. A. K. Lyle. 2,246,375; June 17.
Method of and apparatus for forming coils. E. P. Patton. 2,246,143; June 17.
Method of and apparatus for interrupting electric arcs. V. Grosse. 2,246,171; June 17.
Method of and apparatus for lubricating pneumatic tools. C. A. Meisker. 2,245,601; June 17.
Method of and apparatus for the reproduction of sound. J. E. Dickert. 2,245,652; June 17.
Method of and machine for making wedge heels. G. R. Constantine. 2,245,904; June 17.
Micrometric attachment for combination squares. F. Rothe. 2,246,066; June 17.
Milling machine. J. R. Johnson. 2,245,558; June 17.
Modulator, Light. W. P. Powers. 2,246,001; June 17.
Molded articles, Producing. J. O. Whiteley, Jr. 2,246,332; June 17.
Molding apparatus, Pulp. A. Keilding. 2,245,678; June 17.

Molds, Treating centrifugal metal. C. D. Barr. 2,245,747; June 17.
Mop. J. H. Johnson. 2,246,360; June 17.
Mop wringer. J. Grosser. 2,246,248; June 17.
Mosaic, Making. J. A. Madala. 2,246,052; June 17.
Mosaic, Photoelectric. V. K. Zworykin. 2,246,283; June 17.
Motor: *See*—
Outboard motor. Vibrating motor.
Motor. F. C. Dieckman. 2,245,577; June 17.
Motor. J. F. Joy. 2,246,074; June 17.

Motor and fan assemblies for vacuum cleaners. W. J. Clements. 2,245,761; June 17.
Mounting: *See*—
Wheel mounting.
Mounting arangement for phonograph tone arms. E. W. Forstrom. 2,246,130; June 17.
Mounting for clock movement. J. W. Hobbs. 2,245,918; June 17.
Mounting for control apparatus, Shock and vibration proof. W. Schaelchlin. 2,246,323; June 17.
Mounting for surveyer's targets. H. Chaskin. 2,245,901; June 17.
Mounting means for flares. O. C. Ritz-Woller. 2,245,873; June 17.
Mouthpiece for musical instruments. H. Robinson. 2,246,266; June 17.
Mower, Lawn. R. R. Poynter. 2,245,821; June 17.
Multiple filament lamp. J. H. Kurlander. 2,245,793; June 17.
Multiplier, Electron. F. Below. 2,245,895; June 17.
Multiplier, Electron. J. R. Pierce and W. Shockley. 2,245,605; June 17.
Nebulizer. A. W. Pitts. 2,245,872; June 17.
Needle, Hand knitting. H. S. Armitage. 2,245,893; June 17.
Nozzle, Atomizing. F. C. Griswold. 2,245,975; June 17.
Nozzle, Fuel dispensing. R. W. Brown. 2,245,753; June 17.
Nut lock. H. R. Ausman. 2,245,552; June 17.
Oil coating, Plastic drying. O. V. McGrew. 2,246,452; June 17.
Oil, Dewaxing hydrocarbon. R. H. Aitken and W. Kiersted, Jr. 2,245,952; June 17.
Oil for carrying high pressures and making the same, Lubricating. J. C. Zimmer and A. J. Morway. 2,246,281; June 17.
Oil, Spray. W. J. Yates. 2,246,230; June 17.
Oil sulphonates, their purification, and fractionation, Mineral. C. J. Lohman and L. D. Meyers. 2,246,374; June 17.
Oils, Refining of fatty. A. U. Ayres. 2,245,846; June 17.
Oils, solvent treating of mineral. C. S. Lynch. 2,246,376; June 17.
Olefins, Chlor-addition of nontertiary. H. P. A. Groll, G. Hearne and D. S. La France. 2,245,776; June 17.
Olefins, Concentration of. R. F. Robey. 2,245,719; June 17.
Opener, Sewer. L. G. McKenzie. 2,246,056; June 17.
Operating mechanism, Breechblock. W. Summerbell. 2,245,622; June 17.
Operating mechanism for closures. G. H. Kohlsaat. 2,245,985; June 17.
Operating mechanism for glass feeder plungers. M. M. Cannon, Jr. 2,246,461; June 17.
Operating mechanism for refrigerator controllers and other devices. C. W. Kuhn and A. P. Charbonneau. 2,245,691; June 17.
Organic compounds, Extraction of mixtures of isomeric. W. J. D. van Dijck and A. Schaafsma. 2,245,945; June 17.
Organic mixtures, Separation of. G. Kohn. 2,246,257; June 17.
Oscillation generation. W. Van B. Roberts. 2,245,718; June 17.
Oscillation generator. H. E. Hollmann. 2,245,669–70; June 17.
Outboard motor. R. J. Herrington. 2,246,206; June 17.
Oxygen therapy equipment. A. E. McKee. 2,245,696; June 17.
Package forming and filling machine. L. L. Salfisberg. 2,45,827; June 17.
Pad: *See*—
Heating pad.
Pad and holder therefor. N. H. Nelson. 2,246,262; June 17.
Pan, Baking. V. L. Woodward. 2,246,334; June 17.
Partition for luggage, Folding. J. H. Plotkin. 2,245,999; June 17.
Partition joint. L. L. Lewis. 2,246,370; June 17.
Pawl for spindle swing arms. W. Stahlecker. 2,246,473; June 17.

Pedestal, Camera supporting. A. V. Bedford and K. J. Magnusson. 2,246,287; June 17.
Pencil, Mechanical. L. J. Most. 2,245,805; June 17.
Permutation lock. R. K. Winning. 2,245,741; June 17.
Photoflash lamp. J. H. Kurlander and R. Le R. Kreidler. 2,245,794; June 17.
Pictures in colors, Projection of. O. C. Gilmore. 2,246,093; June 17.
Piercing tap. H. Miller. 2,245,698; June 17.
Pigments, Dispensing titanium oxide. R. W. Ancrum and A. G. Oppegaard. 2,246,030; June 30.
Pin: *See*—
Bowling pin.
Pin. P. K. Morris. 2,246,453; June 17.
Pipe: *See*—
Joint drill pipe.
Pipe cleaning apparatus. W. T. Tate. 2,246,421; June 17.
Pipe cleaning apparatus, Waste. M. Rappaport. 2,245,823; June 17.
Pipe or hose coupling. J. F. Bagby. 2,245,847; June 17.

Piston ring. C. F. Johnston. 2,245,980; June 17.
Piston ring. M. W. Marien. 2,245,992; June 17.
Pitman connector bar. W. P. Handke. 2,245,778; June 17.
Pivot connection for window sash operators, Separable. R. W. Smith. 2,246,192; June 17.
Planetary pump. M. W. Fraser. 2,246,487–8; June 17.
Plants, Treatment of. F. P. Mehrlich. 2,245,867; June 17.
Plastic molding machine. F. W. McIntyre. 2,246,414; June 17.
Plug: *See*—
Cable plug. Electric plug.
Polymerization, Styrene. J. T. Stearn. 2,245,619; June 17.
Power-accumulation system, Hydraulic. R. E. B. Sharp. 2,246,472; June 17.
Power system, Remotely controlled. W. Koenig. 2,245,862; June 17.
Power transmission. H. B. Snyder. 2,246,018; June 17.
Power transmission mechanism. M. A. Holpfer. 2,245,919; June 17.
Power unit. W. Guier. 2,246,478; June 17.
Practicing device, Golf. C. J. Thomas. 2,245,739; June 17.
Press: *See*—
Forging press. Stretching press.
Hydraulic draw press. Worm press.
Printing press.
Pressing machine. A. F. Hanney. 2,246,251; June 17.
Pressure cup, Fruit juice extractor. A. W. Seyfried. 2,245,726; June 17.
Printing. C. L. Walter. 2,245,629; June 17.
Printing apparatus, Street. E. Haecker. 2,245,777; June 17.
Printing machine. S. B. Stafford and H. A. Smith. 2,245,617; June 17.
Printing press. J. S. Rogowski. 2,246,077; June 17.
Printing roll and driving mechanism. S. B. Stafford and H. A. Smith. 2,245,618; June 17.
Progesterone, Preparation of. H. Bretschneider and A. Salamon. 2,246,341; June 17.
Projectile. E. W. Brandt. 2,246,429; June 17.
Projector: *See*—
Battery terminal protector. Curtain protector.
Projector, Ball. H. E. Williams and L. A. Durant. 2,245,949; June 17.
Prospective apparatus, Electrical. C. B. Bazzoni and J. M. Pearson. 2,246,460; June 17.
Protein, Preparing vegetable. P. L. Julian and B. T. Malter. 2,246,466; June 17.
Puller: *See*—
Electrode welding-tip puller.
Pulley. B. W. Mantle. 2,245,695; June 17.
Pulley construction. T. Labonte and W. Labonte. 2,245,863; June 17.
Pump: *See*—
Centrifugal pump. Rotary pump.
Irrigation rotary piston action pump. Planetary pump.
Rotary couple pump. Well pump.
Pump. W. W. Davidson. 2,246,276; June 17.
Purse holder. I. Greenstadt. 2,246,039; June 17.
Pyrometric element. A. E. Krogh. 2,245,687; June 17.
Racket stringing machine. E. H. Serrano. 2,246,109; June 17.
Radial radiation system for short wave communication. N. E. Lindenblad. 2,245,693; June 17.
Radio system. C. B. H. Feldman and H. T. Friis. 2,245,660; June 17.
Rail joint bar, Sound center. E. W. Backes. 2,245,955; June 17.
Rail tool. K. Kanal. 2,246,099; June 17.
Razor. L. Kuhnl. 2,246,368; June 17.
Razor, Safety. A. H. Morner. 2,246,378; June 17.
Receptacle: *See*—
Ash receptacle.
Reclining chair. W. A. Redmond. 2,245,713; June 17.
Recording apparatus. T. A. Rich. 2,246,004; June 17.
Reel for handling thread or the like. W. F. Knebusch. 2,246,468; June 17.
Reel for picture machines. J. K. E. Sunell. 2,246,113–4; June 17.
Refractory. S. F. Walton. 2,246,226; June 17.
Refractory linings of centrifugal casting molds, Producing. H. Projahn. 2,246,063; June 17.
Refrigeration. S. W. E. Andersson. 2,245,637; June 17.
Refrigeration. J. C. Consley. 2,246,244; June 17.
Refrigeration. J. G. Tandberg and C. Damsberg. 2,245,737; June 17.
Refrigerator car. A. A. Helwig. 2,245,916; June 17.
Regenerating contact masses. R. W. Krebs. 2,246,367; June 17.
Regulation means, Automatic band-width. H. Spreine. 2,245,731; June 17.
Regulator: *See*—
Steam boiler regulator.
Regulator. C. R. Hanna and S. Sentipal. 2,246,301; June 17.
Regulator. J. F. Kovalsky and L. L. Fountain. 2,246,306; June 17.

Relay for parallel lines, Current-polarized ground-directional. B. E. Lenehan. 2,246,310; June 17.
Relay, Overload protective. E. Schröder. 2,246,324; June 17.
Release mechanism for weighing scales, Detent. B. S. Watling. 2,246,155; June 17.
Resin and preparing the same, Vinyl. C. H. Alexander and H. Tucker. 2,245,742; June 17.
Resins and process for their preparation. R. Rosen. 2,246,321; June 17.
Reversing system for asynchronous motors. S. Brockhaus. 2,246,289; June 17.
Rigid welded frame. H. Eckart and J. E. McClellan. 2,246,245; June 17.
Rim. C. W. Sinclair. 2,246,017; June 17.
Ring: *See*—
Piston ring.
Rivet. N. B. Moore. 2,245,933; June 17.
Riveting tool. O. Oecki and H. Werth. 2,245,806; June 17.
Rock mining drill bit. W. G. MacLean. 2,246,447; June 17.
Rod: *See*—
Extension plumb rod. Welding rod.
Roller. R. G. Le Tourneau. 2,245,865; June 17.
Roof structure. R. H. Krueger. 2,245,688–90; June 17.
Rotameter, Luminous scale. W. H. Gerber. 2,246,464; June 17.
Rotary couple pump. W. W. Davidson. 2,246,271; June 17.
Rotary pump. W. W. Davidson. 2,246,272–5; June 17.
Rotary pump. W. W. Davidson. 2,246,277; June 17.
Rotary valve. F. M. Aspin. 2,245,743; June 17.
Rubber, Making sponge. L. A. Murray, Jr. 2,246,315; June 17.
Ruler attachment for facilitating the drawing of parallel lines. E. A. Clementz. 2,246,088; June 17.
Safety hook. J. M. Lavin. 2,246,212; June 17.
Salts in liquid ammonia, Electrolysis of. C. F. Slisby. 2,245,831; June 17.
Sampling device for pipe lines. F. B. Kelley. 2,245,679; June 17.
Sandals, Manufacture of strap. W. H. Nutt. 2,245,706; June 17.
Sanitizer, Hat. J. H. James. 2,246,135; June 17.
Scaffold attachment for ladders, Safety. R. W. Fieroh. 2,245,661; June 17.
Scaffold, Tubular. M. B. Schiller. 2,245,939; June 17.
Scale, Sacking. E. K. Thomason. 2,246,422; June 17.
Scale, Weighing. B. S. Watling. 2,246,154; June 17.
Scoop, Trailer. R. T. Osman. 2,246,220; June 17.
Scoring and breaking device for tiles. E. Engleke. 2,246,351; June 17.
Scraping device, Film. F. C. Griswold. 2,245,976; June 17.
Screen and making the same, Picture projection. B. M. Bodde. 2,245,896; June 17.
Screen cloth loom, Welded-selvage. N. S. Harter. 2,245,584; June 17.
Screen, Electrolytic method of producing. E. O. Norris. 2,245,380; June 17.
Scrubbing machine for floors and floor coverings. V. C. Snyder. 2,246,111; June 17.
Seal, Bearing. R. R. Searles. 2,246,471; June 17.
Seal, Valve. J. A. Campbell. 2,245,648; June 17.
Sealed pipe joint. G. T. Downey. 2,246,436; June 17.
Sealer, Carton. R. F. Glazebrook and L. Vaughan. 2,246,094; June 17.
Seat: *See*—
Shower seat.
Seat attachment for buoys. L. L. Sermon. 2,246,108; June 17.
Seat mechanism, Swivel. F. O. Riley. 2,246,076; June 17.
Self-closing valve. H. C. Krone and W. Meyer. 2,246,136; June 17.
Semitrailer structure. W. H. Wilson. 2,246,410; June 17.
Separating machine, Grain. O. N. Christopherson. 2,245,650; June 17.
Setter. F. H. Mahan, Jr. 2,246,448; June 17.
Sewing machine, Lockstitch. C. F. Rubel. 2,246,010; June 17.
Shaft for granular loose material, Drying. A. Gronert. 2,245,664; June 17.
Shaped materials, Manufacture of basic substituted. P. Schlack. 2,246,070; June 17.
Shaver, Electric. M. J. Landgraf. 2,245,795; June 17.
Shaver, Vacuum. J. I. Hill. 2,245,917; June 17.
Shaving machine. G. F. Bahr. 2,246,459; June 17.
Shearing mechanism for use with devices for feeding molten glass to forming machines. T. F. Pearson. 2,245,813; June 17.
Sheet feeder. A. Stobb. 2,245,836; June 17.
Shelf support. A. Vanderveld. 2,245,944; June 17.
Shield, Face and eye. H. A. Jackson. 2,246,442; June 17.
Shoe fastener. L. B. Williams. 2,245,950; June 17.
Shoe for piercing mills, Water-cooled guide. H. E. Engelbaugh and H. Davis. 2,245,656; June 17.
Shoe machine. F. C. Eastman. 2,245,580; June 17.
Shoe sole. W. Weidner. 2,246,480; June 17.
Shovel. J. M. Lamb. 2,245,692; June 17.
Shower seat. C. A. T. Agee. 2,245,951; June 17.
Shutter, Focal plane. T. Pauschert. 2,245,871; June 17.
Shutter trigger lock. W. A. Riddell. 2,246,006; June 17.
Siding material. L. H. Mattes. 2,246,377; June 17.
Sign: *See*—
Luminous gaseous sign. Mechanical sign.
Signal: *See*—
Warning signal.
Signal collecting system for radio receivers. W. A. Schaper. 2,246,385; June 17.
Signal transmission line. H. K. Krist. 2,246,307; June 17.
Signaling apparatus for grade crossings. E. Wilckens. 2,246,025; June 17.
Signaling system, Radio. E. L. Brown. 2,245,645; June 17.
Single control softener valve. E. E. Eickmeyer and A. G. Horvath. 2,245,767; June 17.
Sink, Stainless clad. F. H. Leslie. 2,246,051; June 17.
Skate. A. L. Flamm. 2,245,769; June 17.
Ski and ski shoe assembly. D. A. Wallace. 2,246,152–3; June 17.
Slip. G. D. Johnson. 2,245,979; June 17.
Snowplow. L. Sims. 2,246,015; June 17.
Solvent extraction process. G. W. Duncan and J. M. Whiteley, Jr. 2,246,297; June 17.
Spectacles. G. P. Kimmel. 2,245,594; June 17.
Speed recorder for vehicles, Graphic. W. James. 2,245,784; June 17.
Speed transmission device, Variable. D. Heyer. 2,245,667; June 17.
Speed transmission mechanism, Automatic variable. P. W. Kane. 2,246,444; June 17.
Speed transmission, Variable. J. E. Windle. 2,245,889; June 17.
Spindle lubricating means. R. F. Bergmann and C. C. Walters. 2,245,564; June 17.
Spout construction. O. J. Gaedig. 2,246,353; June 17.
Spray gun container. D. P. Anschicks and C. R. Peck. 2,245,892; June 17.
Spraying machine, Paint. W. G. Miller. 2,245,932; June 17.
Spring suspension for vehicles. A. F. Hickman. 2,246,044; June 17.
Spring suspension, Vehicle. A. F. Hickman. 2,245,585; June 17.
Stabilization of frequency. R. H. Varian. 2,245,627; June 17.
Stand: *See*—
Folding stand.
Stand for drum or the like. B. E. Walberg. 2,245,883; June 17.
Starter for aircraft engines, Manual. H. S. Campbell. 2,245,754; June 17.
Steam boiler regulator. J. W. Harrie. 2,245,914; June 17.
Steels, Stabilization of austenitic chromium nickel. G. C. Kiefer. 2,246,445; June 17.
Steering by driving mechanism. B. Q. Jones. 2,245,591; June 17.
Steering mechanism, Controlled differential. H. A. Knox. 2,245,595; June 17.
Steering wheel. J. Juergens. 2,246,255; June 17.
Stencil apparatus and the like. J. H. Pollard. 2,246,000; June 17.
Stencil cutting die. E. C. Franzmann. 2,245,770; June 17.
Stereotype mats, Manufacturing. F. E. Davenport. 2,245,555; June 17.
Sterilizer. T. De Stefani and R. Yuza. 2,245,762; June 17.
Stocking and manufacturing stockings. A. F. Verbeek. 2,246,400; June 17.
Stocking and shoulder support. E. M. Ellison. 2,245,556; June 17.
Stoker, Locomotive. W. L. Lentz and E. Martin. 2,245,927; June 17.
Stop mechanism. J. S. Stull. 2,245,732; June 17.
Stopper for laundry tubs, wash basins, and other receptacles. G. A. Wikander. 2,245,887; June 17.
Stove, Portable. B. W. Tullis. 2,246,080; June 17.
Stove structure, Outdoor. S. C. Hester. 2,246,440; June 17.
Straight scale indicator. F. H. Frantz. 2,245,970; June 17.
Strain gauge. A. U. Huggenberger. 2,246,175; June 17.
Strap attachment, Nonslip shoulder. M. E. Stone. 2,245,941; June 17.
Stretching press. J. Salzmann. 2,245,723; June 17.
Strip for manifolding assembly, Transfer. G. W. Hall and F. H. Mosher. 2,246,042; June 17.
Stroboscopic lamp, High intensity. P. W. Blackburn. 2,246,486; June 17.
Structural unit. H. S. Nagin and L. Strickland. 2,246,215; June 17.
Strut, Shock. W. H. Miller. 2,245,699; June 17.
Styrene with copper, Treatment of. S. M. Stoesser and O. A. Braley. 2,246,020; June 17.
Suction device for vacuum cleaners. W. Leathers. 2,245,989; June 17.
Sulphonic acid, Hydrogenation of lignin. H. Adkins and G. C. Howard. 2,246,481; June 17.
Sulphur dioxide, Organic reactions in. J. Ross, R. L. Brandt, and J. H. Percy. 2,245,721; June 17.

Sulphurized product and method for making the same. J. C. Zimmer and A. J. Morway. 2,246,282; June 17.
Supply system for electric regulators. H. R. West. 2,246,118; June 17.
Support: *See*—
Collar support. Tray support.
Shelf support. Tongue support.
Stocking and shoulder support. Well pipe support.
Support. N. G. Hurlbut. 2,246,441; June 17.
Support for condensed milk cans or the like, Service. E. A. Luce. 2,246,419; June 17.
Supporting attachment for tables and the like. V. Biska and J. F. Baas. 2,246,120; June 17.
Supporting structure, Window. A. H. Haberstump. 2,246,249; June 17.
Surfaces, Treatment of mold. L. D. Garratt. 2,246,463; June 17.
Surveying instrument, Well. R. Ring. 2,246,319; June 17.
Suspension system, Automobile. M. Olley. 2,245,809; June 17.
Switch: *See*—
Electric switch.
Switch for speedometers, Signal. R. R. Jackson. 2,246,047; June 17.
Switch for use in telephones or like systems, Automatic. C. E. Beale and L. T. Richards. 2,245,748; June 17.
Switch mechanism. J. C. Yingling. 2,245,634; June 17.
Switching arrangement for electrical circuits. H. G. Dewitz. 2,245,763; June 17.
Switching mechanism. W. M. Scott, Jr. 2,246,072; June 17.
Switching system for electric currents. A. W. Lundstrom. 2,246,139; June 17.
Synchronizing apparatus. M. Artzt. 2,246,284; June 17.
Synchrotic system. W. R. Wickerham and H. C. Brunner. 2,246,333; June 17.
Table: *See*—
X-ray table.
Table reciprocating mechanism, Hydraulic. W. H. Wood and C. G. Flygare. 2,246,476; June 17.
Tachometer. P. Kollsman. 2,246,366; June 17.
Tag, Multiple price marking. F. Kohnle. 2,246,365; June 17.
Taping machine. W. Adams. 2,245,636; June 17.
Tappet construction, Hydraulic. C. Voorhies. 2,246,330; June 17.
Telegraph system and apparatus, Printing. A. H. Reiber. 2,245,607; June 17.
Telegraph system, Simplex and duplex. A. Z. Smith. 2,246,073; June 17.
Telephone instrument. R. F. Stehlik. 2,245,835; June 17.
Telephone party line working. R. H. Badgley. 2,246,119; June 17.
Telephone system. F. Kessler. 2,245,683; June 17.
Telephone system. J. W. McClew and O. A. Pearce. 2,245,799; June 17.
Template, Spiral. T. R. Hartrampf. 2,245,915; June 17.
Tension and take-up device. W. D. Kellogg and J. Frndenburgh. 2,246,363; June 17.
Terminal, Electric heater. N. Morris. 2,245,602; June 17.
Terminal, Short test. A. W. Graham. 2,246,356; June 17.
Tester, Condenser. B. Paul. 2,245,603; June 17.
Testing machine, Hardness. C. E. Smith. 2,246,146; June 17.
Therapeutic apparatus. H. E. Dierker. 2,245,653; June 17.
Thermionic discharge device. A. W. Hull. 2,246,176; June 17.
Thermometer. J. L. Chaney and R. C. Wappner. 2,246,241; June 17.
Thermometer, Resistance. W. D. Mounce. 2,245,700; June 17.
Thermostat. V. E. Hampson-Tindale. 2,246,437; June 17.
Thread carrier. V. Anderson. 2,246,337; June 17.
Thread measuring and locking device for sewing machines. F. A. Larson. 2,245,796; June 17.
Thread, Unwinding. J. B. Parker. 2,245,937; June 17.
Tile, Wall. H. Jentzer, Jr. 2,245,785; June 17.
Timer, Universal. E. H. Werner. 2,245,842; June 17.
Timing mechanism. W. H. T. Holden. 2,246,046; June 17.
Tire and rim assembly. W. G. Wallace. 2,246,117; June 17.
Tire structure, Pneumatic. H. P. Schrank. 2,246,479; June 17.
Titanium dioxide composite pigment and making same. W. W. Plechner and H. V. Alessandroni. 2,246,062; June 17.
Tongs. M. Ghis. 2,245,856; June 17.
Tongs. A. B. Houk. 2,245,977; June 17.
Tongue support. L. B. Neighbour and F. T. Court. 2,245,935; June 17.
Tool: *See*—
Cutting tool. Riveting tool.
Fishing tool. Wood cutting tool.
Jarring tool. Wire gripping tool.
Rail tool.
Tool attachment. E. M. Johnson. 2,245,676; June 17.
Top and starter, Whipping. G. Nicholas. 2,245,936; June 17.
Top, Sliding. E. G. Simpson. 2,245,832; June 17.
Toy. R. C. Fruehe. 2,245,973; June 17.
Toy. N. F. Rutherford. 2,245,875; June 17.
Toy camp lantern light. C. D. Rieck. 2,245,715; June 17.
Toy desk and seat. F. F. Ferrary. 2,245,768; June 17.
Track gauge. A. T. Brumfield. 2,246,430; June 17.
Traffic signal apparatus. R. E. Hobbs. 2,246,208; June 17.
Transformer. F. R. D'Entremont. 2,246,167; June 17.
Transformer, Power. H. V. Putman. 2,246,318; June 17.
Translating system, Electric valve. E. E. Moyer. 2,245,869; June 17.
Translating system, Oscillation. M. J. Di Toro. 2,246,296; June 17.
Translating system, Wave. H. S. Black. 2,245,565; June 17.
Transmission control mechanism. H. W. and E. R. Price. 2,245,714; June 17.
Transmission gearing. C. D. Peterson and A. H. Delmel. 2,245,815; June 17.
Transmission, Hydraulic. C. L. McGavern. 2,246,450; June 17.
Transmission mechanism. C. D. Peterson and A. H. Delmel. 2,245,817; June 17.
Transmitter, Single side band. H. O. Peterson. 2,246,184; June 17.
Transplanting apparatus, Tree. J. G. Eagleson. 2,245,853; June 17.
Trap: *See*—
Fly ash trap.
Trap. J. C. Russell. 2,246,011; June 17.
Traverse mechanism, Thread. E. B. Helm. 2,246,465; June 17.
Tray, Manicure. T. M. Mangold. 2,245,929; June 17.
Tray support. S. Cohen. 2,246,432; June 17.
Treating apparatus and process, Liquid. W. J. Hughes. 2,245,588; June 17.
Treating apparatus, Liquid. W. J. Hughes. 2,245,587; June 17.
Treating process and apparatus, Liquid. W. H. Green. 2,245,583; June 17.
Truck, Railway car. A. W. Laird. 2,245,864; June 17.
Try square. N. B. McGrath. 2,246,260; June 17.
Tube: *See*—
Electron multiplier tube. Flexible tube.
Tube. O. J. Bruun. 2,246,123; June 17.
Tube or the like, Radio. M. R. Schulte. 2,245,613; June 17.
Tubing coupling. C. S. Crickmer. 2,245,963; June 17.
Tuned circuit. H. Roder. 2,246,188; June 17.
Tuning mechanism for radio apparatus. F. A. Mitchell. 2,245,804; June 17.
Turbine control valve. E. S. Cornell, Jr. 2,246,033; June 17.
Typewriter, Electric. F. D. Slough and C. W. McNash. 2,245,615; June 17.
Typewriting machine, Phonetic. J. L. Sweeney. 2,246,195; June 17.
Universal joint. R. Dôme and P. Jaross. 2,245,764; June 17.
Universal joint. A. J. Mollart and J. C. Hendra. 2,246,261; June 17.
Upper part for spindles. W. Stahlecker. 2,246,475; June 17.
Vacuum cleaner. O. M. Anderson and N. T. Almquist. 2,245,953; June 17.
Vacuum cleaner. W. J. Clements. 2,245,760; June 17.
Vacuum cleaner. W. T. Hedlund. 2,246,438; June 17.
Vacuum cleaner attachment. O. A. Ross. 2,246,404; June 17.
Valve: *See*—
Rotary valve. Turbine control valve.
Self closing valve.
Single control softener valve.
Valve amplifier, Thermionic. E. L. C. White and J. Hardwick. 2,246,331; June 17.
Valve control circuit, Electric. L. W. Morton. 2,246,181; June 17.
Valve control means, Drain. C. C. Farmer. 2,246,202; June 17.
Valve converting system, Electric. C. C. Herskind. 2,246,173; June 17.
Valve made of cobalt-nickel-chromium-iron alloy. W. Rohn, F. Bollenrath, and H. Cornelius. 2,246,078; June 17.
Valve mechanism for steam engines. D. S. Dillenbach. 2,246,435; June 17.
Vapor-electric device. J. Slepian. 2,246,326–7; June 17.
Variable speed alternating current motor. E. J. Lockwood and J. H. Foster. 2,246,372; June 17.
Vegetable cutter. N. D. Hyland. 2,245,978; June 17.
Vehicle drive. J. P. Schmitz. 2,246,191; June 17.
Vehicle elevating device, Motor. J. J. McDonald. 2,245,800; June 17.
Vending machine, Coin operated. A. A. Bradt. 2,245,898; June 17.
Vibrating apparatus. T. A. Dillon. 2,246,483; June 17.
Vibration suppressor. J. O. Almen. 2,246,232; June 17.
Vinylidene dihalides with alcoholates, Reaction of. G. H. Coleman, R. M. Wiley, and B. C. Hadler. 2,245,962; June 17.

Vibratory motor. R. Knopp. 2,245,981; June 17.
Vise for saw filing machines. F. J. Knowles. 2,245,982; June 17.
Voice silencer. L. S. Scher. 2,245,724; June 17.
Wall form tie. C. A. Kinninger. 2,245,559; June 17.
Warning signal. N. F. Anderson. 2,246,233; June 17.
Washer cutter. D. Brown. 2,245,959; June 17.
Washing apparatus. F. J. Osuch. 2,246,104–5; June 17.
Washing machine. G. E. Olsson. 2,246,187; June 17.
Waste system. E. A. Vermere. 2,245,946; June 17.
Water-cooling device for furnaces. E. J. McDonnell. 2,246,402–3; June 17.
Water from oil, Separating. G. L. Adams, R. G. Barlow, and A. Shapiro. 2,245,551; June 17.
Watt-hour meter. J. Sherman. 2,246,325; June 17.
Wave indicating system. W. V. B. Roberts. 2,245,717; June 17.
Wave translating system. F. B. Llewellyn. 2,245,598; June 17.
Wax modifying agent. E. Lieber and M. M. Sadlon. 2,246,311; June 17.
Wax, Molding paraffin. R. Beattie. 2,245,640; June 17.
Wearing apparel and making it, Article of. G. Gastrich. 2,246,246; June 17.
Weatherproofing structure. C. W. Osner and E. G. Busse. 2,245,812; June 17.
Welding apparatus. A. D. Jardine and H. V. Beronius. 2,245,920; June 17.
Welding apparatus. H. C. Jenks. 2,246,304; June 17.
Welding rod. J. W. Bolton. 2,245,566; June 17.
Well drilling. C. W. Froome and F. C. Boyd. 2,246,418; June 17.
Well drilling apparatus, Rotary. G. K. Claire. 2,245,960; June 17.
Well packer, Electrically controlled. T. M. Ragan. 2,245,712; June 17.
Well pipe support. R. W. Jones, Jr. 2,245,592; June 17.
Well pump. W. L. Church. 2,246,416; June 17.
Wells using mud and acid, Drilling. J. W. Weir and H. S. Montgomery. 2,245,886; June 17.
Wells, Well boring bucket and method of boring. J. R. Betts. 2,245,750; June 17.
Wetting agent and producing the same. J. N. Borglin. 2,245,643; June 17.
Wheel: *See*—
Steering wheel.
Wheel construction, Variable track. R. Danhaus. 2,245,574; June 17.
Wheel disk structure. G. A. Lyon. 2,245,928; June 17.
Wheel mounting. E. C. G. Rosén. 2,246,009; June 17.
Winding device for cameras. E. Ellson. 2,246,034; June 17.
Windows, Glazing. A. S. Cheston. 2,246,409; June 17.
Wing structure, Airplane. H. Wagner and F. Villinger. 2,246,116; June 17.
Wiper and similar mechanism, Windshield. F. E. Twiss. 2,245,626; June 17.
Wire gripping tool. L. O'Russa. 2,245,811; June 17.
Wire-laying device. I. T. Kempe. 2,245,788; June 17.
Wood cutting tool, Adjustable. J. H. Jewett. 2,245,921; June 17.
Worm press. G. Hirschberg. 2,246,045; June 17.
Wound core assembling arrangement. F. F. Brand. 2,246,239; June 17.
Wound core stationary induction apparatus. F. F. Brand. 2,246,240; June 17.
Wrapping machine. E. L. Smith. 2,246,268; June 17.
Wringer. W. L. Kauffman, II. 2,245,923; June 17.
X-ray table. H. A. Newman. 2,245,704; June 17.
Yarn, and fabrics made of or containing such yarn, Composite. A. S. Bell and W. C. Angus. 2,245,641; June 17.
Zeanin, Obtaining borax soluble. L. C. Swallen and H. Reintjes. 2,245,736; June 17.

CLASSIFICATION OF PATENTS

ISSUED JUNE 17, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2—	8: 2,246,442	25—	131: 2,245,559	56—	23: 2,246,361	76—	78: 2,245,982	103—	161: 2,245,570	139—	426: 2,245,641
	14: 2,245,990		153: 2,246,448		25.4: 2,245,821	78—	36: 2,245,573		261: 2,246,416	140—	7: 2,245,584
	42: 2,245,910	28—	2: 2,245,903	57—	89: 2,246,473		46: 2,245,806		268: 2,245,839	141—	1: 2,245,554
	50: 2,246,035	29—	148: 2,246,022		130: 2,246,475		48: 2,245,856	105—	234: 2,245,927	143—	57: 2,245,868
	209: 2,246,031		155.5: 2,246,239		133: 2,245,564		60: 2,245,642		422: 2,245,943	144—	232: 2,245,921
4—	113: 2,246,205	30—	34: 2,246,368	58—	23: 2,245,918	80—	51: 2,245,656	106—	64: 2,246,226	146—	78: 2,245,978
	187: 2,246,051		41: 2,245,917		43: 2,245,842	82—	36: Re.21,833		135: 2,246,405		124: 2,246,054
	191: 2,245,934		43: 2,245,795	59—	80: 2,246,221	84—	330: 2,246,266		206: 2,245,620	148—	3: 2,245,876
	203: 2,245,946		2,246,459	60—	41: 2,245,954		376: 2,246,371		254: 2,246,452		6.5: 2,245,609
	295: 2,245,887		74.1: 2,246,378		52: 2,245,626		421: 2,245,883		270: 2,256,085		21.1: 2,246,134
5—	296: 2,246,090		91: 2,246,350		54: 2,245,684		441: 2,246,434		300: 2,246,030		21.5: 2,246,445
	348: 2,245,909		310: 2,245,959		54.6: 2,245,991	85—	37: 2,245,933		2,246,062	150—	1: 2,246,039
	351: 2,245,930	31—	89: Re.21,834		2,246,140	88—	14: 2,245,557		302: 2,246,396	151—	3: 2,245,751
8—	8: 2,245,783	33—	1: 2,245,915		2,246,141		16.4: 2,246,093	107—	4: 2,246,420		30: 2,245,552
	113: 2,246,070		28: 2,246,055		97: 2,246,478		24: 2,245,896		9: 2,246,477	152—	158: 2,246,117
9—	11: 2,246,267		47: 2,246,174	62—	1: 2,245,737		2,245,970		26: 2,246,424		209: 2,246,479
	17: 2,246,108		74: 2,245,901		5: 2,245,637		2,246,412	108—	1: 2,245,668	153—	1: 2,245,727
10—	32: 2,245,630		88: 2,245,646		6: 2,246,401		47: 2,245,594		2,245,689		10: 2,246,394
	120.5: 2,246,237		108: 2,246,088		17: 2,245,916		61: 2,246,001		2,245,690		48: 2,245,723
12—	10: 2,245,580		112: 2,246,260		89: 2,246,342		65: 2,246,087	112—	58: 2,245,796		2,246,029
	46: 2,245,904		146: 2,246,430		103: Re.21,830		18.7: 2,246,113		134: 2,245,877	154—	2: 2,245,666
	51: 2,245,636		148: 2,246,175		108.5: 2,246,145		2,246,114		181: 2,246,010		6: 2,245,758
	80: 2,245,657		149: 2,246,002		114: Re.21,827	89—	24: 2,245,622	113—	49: 2,246,204		49: 2,246,040
	146: 2,245,706		165: 2,246,066		115: 2,246,244		27: 2,245,621		118: 2,246,258		2,246,101
15—	7: 2,246,036		178: 2,245,792	63—	2: 2,246,399		2,245,623		121: 2,246,096	155—	14: 2,246,076
	8: 2,246,111		2,246,485	64—	15: 2,245,764	90—	4: 2,245,907	114—	112: 2,245,677		54: 2,246,057
	14: 2,245,859		205.5: 2,246,319		16: 2,246,261		16: 2,245,558		208: 2,245,807		57: 2,245,713
	93: 2,245,976	34—	65: 2,245,664	65—	61: 2,246,419		20: 2,245,728	115—	18: 2,246,206		81: 2,245,951
	104.16: 2,246,421		109: 2,246,252	66—	41: 2,246,194	91—	41: 2,246,094	116—	2: 2,246,233		124: 2,245,768
	104.30: 2,245,823		164: 2,245,881		117: 2,245,893		45: 2,245,932		133: 2,245,964		130: 2,246,160
	2,246,056	36—	25: 2,246,480		118: 2,246,254		49: 2,246,126	119—	116: 2,245,985		182: 2,245,779
	147: 2,246,360		72: 2,245,560		126: 2,246,337		63: 2,245,892	120—	18: 2,245,805	156—	10: 2,246,197
	155: 2,246,404	37—	43: 2,246,015		134: 2,245,749		70: 2,245,708		34: 2,245,912		14: 2,245,961
	156: 2,246,438		129: 2,246,220		149: 2,246,363		2,245,745	121—	38: 2,246,379		17: 2,245,902
	248: 2,246,423	38—	26: 2,245,911		172: 2,246,079	92—	54: 2,245,678		45: 2,246,476		26: 2,246,210
	262: 2,246,248		66: 2,246,157		173: 2,246,246	93—	2: 2,246,016		121: 2,246,074		40: 2,246,382
16—	84: 2,246,103	40—	2: 2,246,365		184: 2,246,400		2,246,268		164: 2,246,435	158—	28: 2,245,730
	115: 2,245,993		33: 2,246,132	67—	7.1: 2,245,926		3: 2,245,827	122—	499: 2,246,402		2,246,265
	116: 2,246,393		125: 2,245,851		31: 2,245,794		5: 2,246,243		2,246,403	164—	29: 2,245,770
	163: 2,246,358		130: 2,245,681		51: 2,246,346		35: 2,245,675	123—	13: 2,246,235		58: 2,245,711
	169: 2,246,359		132: 2,245,885	68—	13: 2,246,104		36.1: 2,245,900		32: 2,246,019		84.5: 2,246,228
17—	1: 2,245,553		139: 2,245,940		2,246,105		53: 2,246,190		73: 2,246,446		118: 2,245,676
	11: 2,245,880	41—	23: 2,246,052		133: 2,246,187		55.1: 2,246,398		90: 2,246,330	166—	1: 2,245,638
	44.2: 2,246,229		25: 2,245,555		244: 2,245,923		82: 2,246,043		119: 2,245,672		13: 2,245,712
18—	1: 2,245,801		35: 2,246,122	70—	25: 2,245,741	94—	8: 2,245,972		140: 2,245,562		16: 2,245,870
	12: 2,245,608	43—	31: 2,246,089		419: 2,246,112	95—	2: 2,246,013		188: 2,246,078	167—	28: 2,246,230
	30: 2,246,414		46: 2,246,413	72—	0.5: 2,246,028		5: 2,245,628		2,246,280		78: 2,246,355
	55: 2,245,640		48: 2,246,428		46: 2,245,644		2,246,425		190: 2,245,743	170—	135.5: 2,245,815
	55.1: 2,245,849		68: 2,460,011		70: 2,246,343		18: 2,246,439		195: 2,245,810	171—	34: 2,246,185
	58: 2,246,332		124: 2,245,956		86: 2,245,633		31: 2,245,606	124—	1: 2,245,949		95: 2,245,781
	59: 2,246,149	46—	16: 2,245,875		98: 2,245,965		57: 2,245,871	125—	23: 2,246,351		2,246,003
19—	66: 2,245,874		52: 2,246,041	73—	209: 2,246,464		63: 2,246,006	126—	8: 2,246,440		2,246,163
	135: 2,246,474		69: 2,245,936		231: 2,245,759		79: 2,245,563		44: 2,246,080		97: 2,245,862
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20—	0.5: 2,245,825	47—	58: 2,245,867		362: 2,245,700	97—	149: 2,245,884		272: 2,245,957		2,246,139
	3: 2,245,706	49—	14: 2,245,813		374: 2,246,241	98—	40: 2,246,338		362: 2,245,967		119: 2,246,118
	5: 2,246,377		17: 2,246,053	74—	10: 2,246,050		106: 2,245,931	128—	194: 2,245,872		2,246,177
	26: 2,245,812		54: 2,246,375		12: 2,245,897	99—	107: 2,245,631		198: Re.21,831		2,246,178
	40.5: 2,245,635		55: 2,246,461		189.5: 2,246,018		169: 2,245,576		2,245,658		2,246,179
	56.4: 2,246,409		56: 2,246,364		230.17: 2,245,667		176: 2,246,236		208: 2,245,969		2,246,182
	56.5: 2,246,075		85: 2,246,463		2,245,695	100—	42: 2,245,726		227: 2,245,653		123: 2,245,924
22—	65: 2,245,994	51—	26: 2,245,654		2,245,889		48: 2,246,045	129—	17: 2,246,068		229: 2,246,306
	2,246,063		34: 2,245,922	242.16:	2,245,925	101—	3: 2,245,879	130—	5: 2,245,861		324: 2,246,270
	189: 2,245,651		2,246,199		295: 2,246,450		114: 2,245,828	131—	133: 2,245,833		327: 2,246,384
	192: 2,245,747		100: 2,246,023		336.5: 2,245,857		126: 2,246,000		175: 2,246,433	172—	36: 2,245,896
23—	130: 2,245,697		124: 2,246,290		2,246,444		129: 2,245,629	132—	1: 2,246,269		2,245,761
	151: 2,246,014		165: 2,245,894		469: 2,246,169		216: 2,245,617		40: 2,245,716		120: 2,245,577
	257: 2,245,679		185: 2,245,820		473: 2,245,714		2,245,618		73: 2,245,929		2,246,305
24—	3: 2,246,091		209: 2,246,223		574: 2,246,232		2,246,077		79: 2,245,906		126: 2,245,981
	39: 2,245,947		2,246,362		586: 2,245,778		415.1: 2,245,777	133—	4: 2,246,431		239: 2,246,292
	73: 2,245,950		219: 2,245,858	75—	22: 2,246,462		416: 2,245,797	136—	4: 2,245,687		2,246,294
	113: 2,246,316		236: 2,246,451		84: 2,246,386		426: 2,246,335		26: 2,246,222		274: 2,246,289
	132: 2,245,811		249: 2,245,968		136: 2,246,166	102—	26: 2,246,429		109: 2,246,110		2,246,295
	135: 2,246,407	53—	2: 2,246,048		2,246,387	103—	103: 2,245,866	137—	21: 2,246,202		2,246,372
	161: 2,246,453		3: 2,246,061		137: 2,246,165		121: 2,246,274		68: 2,245,966		284: 2,246,148
	193: 2,246,170		5: 2,246,317		163: 2,246,067		2,246,277		2,246,388		293: 2,246,333
	242: 2,246,212		6: 2,246,334		171: 2,246,288		132: 2,245,590		139: 2,245,834	173—	259: 2,246,060
	263: 2,245,592	54—	82: 2,246,100	76—	33: 2,245,983		2,246,487		2,246,348		343: 2,246,209
	2,245,979	55—	47: 2,245,865		35: 2,245,984		2,246,488	138—	47: 2,246,038	174—	23: 2,246,286

174— 28: 2,245,771
29: 2,245,766
109: 2,246,124
167: 2,246,300
175— 30: 2,246,180
2,246,303
182: Re.21,832
2,246,259
2,246,460
183: 2,245,568
2,245,603
2,245,604
2,246,325
294: 2,246,064
2,246,298
2,246,310
2,246,318
2,246,324
320: 2,246,304
340: 2,245,814
356: 2,246,159
2,246,240
358: 2,246,167
363: 2,246,150
2,246,173
2,246,181
2,246,308
366: 2,246,161
2,246,328
176— 122: 2,246,486
124: 2,246,339
126: 2,246,131
177— 327: 2,245,790
337: 2,246,208
339: 2,246,255
353: 2,246,449
380: 2,245,829
178— 25: 2,245,607
44: Re.21,835
2,246,058
2,246,293
2,246,307
58: 2,246,073
69.5: 2,246,284
179— 17: 2,245,799
27: 2,245,748
39: 2,245,756
87: 2,246,119
100.4: 2,245,652
103: 2,245,835
171: 2,245,565
2,245,598
2,245,599
2,245,616
2,245,671
2,245,722
2,245,808
2,246,121
2,246,158
2,246,331
171.5: 2,246,164
2,246,184
175.2: 2,245,683
180— 9.2: 2,245,591
2,245,595
43: 2,245,612
181— 34: 2,245,724
182— 11: 2,246,012
31: 2,246,390
183— 24: 2,245,696
41: 2,246,033
45: 2,245,840
51: 2,245,953
94: 2,246,349
184— 3: 2,245,680
27: 2,245,860
55: 2,245,600
2,245,601
185— 41: 2,245,754

188— 22: 2,246,147
33: 2,245,864
59: 2,246,213
2,246,214
69: 2,245,863
72: 2,245,987
2,245,988
79.5: 2,245,740
152: 2,245,682
2,245,791
2,246,242
173: 2,246,200
197: 2,246,340
203: 2,246,201
189— 34: 2,245,611
35: 2,246,457
36: 2,246,245
37: 2,246,215
82: 2,245,908
2,246,216
88: 2,245,785
190— 51: 2,245,999
192— .01: Re.21,828
3: 2,245,852
2,245,958
3.2: 2,245,817
3.5: 2,246,357
53: 2,245,816
59: 2,245,919
64: 2,246,191
68: 2,246,231
107: 2,246,156
125: 2,245,732
129: 2,246,021
194— 56: 2,246,154
92: 2,246,155
196— 9: 2,245,733
2,245,734
2,245,735
13: 2,246,227
2,246,257
2,246,297
2,246,376
47: 2,246,027
50: 2,246,026
52: 2,246,345
2,246,367
106: 2,245,625
116: 2,246,469
197— 9: 2,246,195
12: 2,245,615
198— 24: 2,245,694
33: 2,245,913
109: 2,246,482
202: 2,246,196
213: 2,245,997
200— 1: 2,246,301
8: 2,245,763
16: 2,246,373
51: 2,246,986
56: 2,246,047
58: 2,246,389
83: 2,245,634
87: 2,246,183
117: 2,246,193
138: 2,246,309
139: 2,245,845
140: 2,246,437
148: 2,246,129
2,246,171
158: 2,246,356
162: 2,246,072
201— 64: 2,245,602
204— 11: 2,246,380
59: 2,245,831
206— 19.5: 2,245,882
29: 2,246,427
41.5: 2,245,948
47: 2,245,738
209— 21: 2,246,352

209— 79: 2,246,107
129: 2,246,253
287: 2,245,650
326: 2,246,483
457: 2,246,084
475: 2,245,942
210— 5: 2,246,224
16: 2,245,583
2,245,587
2,245,588
2,245,589
24: 2,245,767
190: 2,245,952
211— 4: 2,245,873
60: 2,246,081
119.13: 2,245,729
125: 2,246,441
213— 1: 2,245,996
104: 2,246,406
214— 3: 2,245,853
17: 2,245,673
131: 2,246,083
215— 1: 2,245,798
216— 57: 2,245,659
217— 19: 2,245,709
219— 4: 2,245,920
8: 2,245,566
46: 2,246,238
220— 17: 2,245,744
38: 2,246,347
55: 2,246,470
64: 2,245,561
221— 11: 2,246,353
23: 2,245,698
60: 2,246,123
67: 2,245,703
73.5: 2,246,458
84: 2,245,753
101: 2,246,391
119: 2,245,803
144: 2,246,354
148: 2,245,774
223— 49: 2,245,725
57: 2,246,251
2,246,369
68: 2,245,905
73: 2,245,665
83: 2,246,395
228— 49: 2,245,888
229— 4.5: 2,246,426
23: 2,246,097
34: 2,246,198
51: 2,246,484
230— 4: 2,246,207
95: 2,245,800
101: 2,246,327
117: 2,245,760
2,245,989
139: 2,246,275
146: 2,246,272
205: 2,246,279
234— 66: 2,246,005
235— 62: Re.21,829
236— 10: 2,245,773
21: 2,245,914
25: 2,245,822
46: 2,246,186
78: 2,245,802
237— 8: 2,246,138
238— 243: 2,245,955
240— 4: 2,245,663
8.1: 2,245,755
10.6: 2,245,707
10.63: 2,245,715
10.66: 2,245,782
41.25: 2,245,793

240— 93: 2,246,320
102: 2,245,686
106.1: 2,246,098
241— 6: 2,245,556
12: 2,245,941
242— 9: 2,246,143
43: 2,246,465
53: 2,246,468
54: 2,245,788
71: 2,246,034
129: 2,245,937
244— 42: 2,246,116
87: 2,246,203
246— 125: 2,246,025
248— 48.1: 2,246,247
57: 2,246,189
174: 2,246,219
183: 2,246,287
226: 2,246,120
230: 2,245,977
243: 2,245,944
358: 2,246,323
250— 8: 2,245,569
11: 2,245,660
20: Re.21,826
2,245,645
2,245,662
2,245,710
2,245,731
27: 2,245,674
2,246,046
2,246,168
2,246,291
2,246,302
27.5: 2,245,613
2,245,998
2,246,125
2,246,162
2,246,176
2,246,326
33: 2,245,693
2,245,701
2,246,151
36: 2,245,597
2,245,627
2,245,669
2,245,670
2,245,718
39: 2,245,717
40: 2,245,685
2,245,804
2,246,385
51: 2,245,762
2,245,837
2,246,135
57: 2,245,704
65: 2,245,787
2,246,443
81: 2,245,843
102: 2,245,581
164: 2,246,283
175: 2,245,605
2,245,614
2,245,624
2,245,895
2,246,172
251— 27: 2,245,757
31: 2,245,648
143: 2,246,136
252— 39: 2,246,467
40: 2,245,702
41: 2,245,772
45: 2,246,282
46: 2,246,415
48: 2,246,281
2,246,314
52: 2,246,312
53: 2,246,050
54: 2,245,649
286: 2,245,579

252— 324: 2,245,551
254— 22: 2,245,838
43: 2,246,009
86: 2,245,935
94: 2,245,800
255— 1.6: 2,246,417
1.8: 2,245,750
2,245,886
23: 2,245,960
24: 2,246,418
27: 2,245,786
61: 2,245,995
64: 2,246,447
256— 73: 2,245,826
257— 1: 2,246,329
224: 2,245,720
259— 9: 2,245,632
54: 2,245,775
260— 21: 2,256,095
30: 2,246,321
41: 2,246,020
86: 2,245,742
91: 2,245,619
112: 2,245,736
2,246,466
119: 2,245,610
124: 2,246,481
205: 2,245,971
372: 2,245,780
397.3: 2,246,341
404: 2,245,593
425: 2,245,846
442: 2,245,572
475: 2,246,264
479: 2,246,071
488: 2,246,285
493: 2,245,962
504: 2,246,374
512: 2,245,643
575: 2,245,945
586: 2,246,032
591: 2,245,721
593: 2,245,567
2,246,299
601: 2,245,582
2,246,037
2,246,049
611: 2,245,639
662: 2,245,776
2,246,082
666: 2,246,311
671: 2,246,007
677: 2,245,719
683: 2,245,819
723: 2,246,315
261— 30: 2,246,069
50: 2,246,408
262— 28: 2,246,225
263— 21: 2,246,024
32: 2,246,313
51: Re.21,836
264— 13: 2,245,784
2,246,366
265— 2: 2,245,739
12: 2,246,146
51: 2,246,422
266— 5: 2,245,647
2,246,322
6: 2,245,578
34: 2,246,133
37: 2,246,144
267— 34: 2,245,699
57: 2,245,585
2,245,809
2,246,044
270— 39: 2,246,336
81: 2,246,256
271— 2.1: 2,245,818
2.3: 2,246,456
2.6: 2,246,004

271— 31: 2,245,836
272— 67: 2,245,973
273— 54: 2,245,854
70: 2,245,655
73: 2,246,109
82: 2,246,411
89: 2,246,115
94: 2,245,830
138: 2,245,844
142: 2,246,383
274— 1: 2,246,130
2,246,296
280—11.19: 2,245,769
11.35: 2,245,850
2,246,152
2,246,153
33.1 2,246,410
106: 2,245,789
150: 2,245,899
281— 21: 2,245,891
34: 2,246,397
44: 2,246,262
282— 19: 2,246,042
2,246,065
2,246,234
284— 19: 2,246,102
285— 154: 2,246,436
175: 2,245,963
178: 2,245,847
193: 2,246,370
286— 5: 2,246,471
289— 1: 2,246,217
3: 2,246,218
290— 52: 2,246,472
292— 19: 2,246,455
20: 2,245,752
62: 2,246,344
223: 2,245,855
263: 2,246,192
293— 55: 2,245,746
2,245,848
294— 51: 2,245,692
67: 2,246,142
90: 2,245,938
96: 2,245,571
296— 44.5: 2,246,249
137: 2,245,832
297— 9: 2,245,691
298— 23: 2,246,128
299— 23: 2,246,008
59: 2,245,668
69: 2,245,575
84: 2,246,211
107.6: 2,245,974
2,245,975
301— 9: 2,245,574
2,246,009
11: 2,246,017
37: 2,245,928
303— 3: 2,246,127
304— 10: 2,245,661
32: 2,245,878
40: 2,245,930
306— 19: 2,246,263
308— 24: 2,246,106
86: 2,245,765
238: 2,246,086
2,246,092
309— 3: 2,246,392
43: 2,245,980
45: 2,245,992
311— 22: 2,246,432
312— 47: 2,245,898
72: 2,245,841
177 2,246,137

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,245,563: 95— 79
2,245,576: 99— 169
2,245,617: 101— 216
2,245,618: 101— 216
2,245,620: 106— 206
2,245,639: 260— 611
2,245,641: 139— 426
2,245,652: 179—100.4
2,245,664: 34— 65
2,245,692: 294— 51
2,245,711: 164— 58
2,245,721: 260— 591

2,245,726: 100— 42
2,245,729: 211—119.13
2,245,739: 265— 2
2,245,742: 260— 86
2,245,747: 22— 192
2,245,750: 255— 1.8
2,245,755: 240— 8.1
2,245,762: 250— 51
2,245,782: 240—10.66
2,245,793: 240—41.25
2,245,797: 101— 416
2,245,836: 271— 31

2,245,837: 250— 51
2,245,886: 255— 1.8
2,245,901: 33— 74
2,245,917: 30— 41
2,245,949: 124— 1
2,245,976: 15— 93
2,245,979: 24— 263
2,245,993: 16— 115
2,246,005: 234— 66
2,246,030: 106— 300
2,246,039: 150— 1
2,246,042: 282— 19

2,246,052: 41— 23
2,246,062: 106— 300
2,246,065: 282— 19
2,246,071: 260— 479
2,246,081: 211— 60
2,246,085: 106— 270
2,246,095: 260— 21
2,246,111: 15— 8
2,246,136: 251— 143
2,246,149: 18— 59
2,246,154: 194— 56
2,246,211: 299— 84

2,246,224: 210— 5
2,246,233: 116— 2
2,246,234: 282— 19
2,246,253: 209— 129
2,246,265: 158— 28
2,246,276: 230— 139
2,246,312: 252— 52
2,246,314: 252— 48
2,246,338: 98— 40
2,246,349: 183— 94
2,246,368: 30— 34
2,246,396: 106— 302

2,246,397: 281— 34
2,246,405: 106— 135
2,246,417 255— 1.6
2,246,452: 106— 254
2,246,457: 189— 35
2,246,463: 49— 85
2,246,473: 57— 89
2,246,487: 103— 132

U. S. GOVERNMENT PRINTING OFFICE: 1941

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

American Supercraft Corporation, Chicago, Ill. Electrically operated shaving devices. Serial No. 442,770; June 24. Class 23.

Anderson, Clayton & Co., Houston, Tex. Feeds for domestic animals known to animal husbandry. Serial No. 442,182; June 24. Class 46.

Appleton, Raymond W., doing business as Parker-Bouldin Company, St. Paul, Minn. Cosmetics, namely bath salts, scalp lotion, hair oil, etc. Serial No. 441,077; June 24. Class 6.

Aqua-Sec Corporation, New York, N. Y. Piece goods. Serial No. 433,879; June 24. Class 42.

Autostrop Sales Company, Inc., Boston, Mass. Safety razors. Serial No. 442,775; June 24. Class 23.

Baker-Fleming Farm Gas Company, Lockney, Tex. Apparatus for dispensing liquified petroleum gas for lighting, heating, and power purposes, etc. Serial No. 442,159; June 24. Class 34.

Bamberger, L., & Co., Newark, N. J. Umbrellas and parasols. Serial No. 442,890; June 24. Class 41.

Barium and Chemicals, Inc., Willoughby, Ohio. Mixture of argillaceous and carbonaceous materials for blanketing and insulating purposes. Serial No. 429,760; June 24. Class 1.

Barium and Chemicals, Inc., Willoughby, Ohio. Composition employed in the conditioning of steel. Serial No. 429,759; June 24. Class 6.

Beich, Paul F., Company, Bloomington, Ill. Candy. Serial No. 440,142; June 24. Class 46.

Berkowitz, J., & Sons, Inc., New York, N. Y. Fur coats. Serial No. 441,721; June 24. Class 39.

Blue Swan Mills, Inc., New York, N. Y. Ladies' and children's underwear. Serial No. 441,122; June 24. Class 39.

Bol, Ltd., New York, N. Y. Cinematographic and photographic apparatus and accessories thereto. Serial Nos. 441,665–6-7; June 24. Class 26.

Bulova Watch Company, Inc., New York, N. Y. Watches, namely wrist watches or strap watches. Serial No. 443,106; June 24. Class 27.

California Olive Growers Packing Corp., Los Angeles and Terra Bella, Calif. Canned olives. Serial No. 443,219; June 24. Class 46.

California Texas Oil Company, Limited, New York, N. Y. Asphaltic products. Serial No. 438,035; June 24. Class 12.

Candy and Company, Inc., Chicago, Ill. Polishing wax. Serial No. 436,001; June 24. Class 16.

Canfield Oil Company, The, Cleveland, Ohio. Motor oil. Serial No. 442,649; June 24. Class 15.

Carlson, Clarence G., Oakland, Calif. Children's training toilet seats. Serial No. 437,268; June 24. Class 13.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 443,220; June 24. Class 42.

Champ Publishing Company. (See Greenwald, Leo.)

Chlorine Solutions, Inc., Los Angeles, Calif. Bleaching fluid. Serial No. 443,184; June 24. Class 6.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods. Serial No. 441,084; June 24. Class 42.

Colorteck, Inc. Natural color photographs. Serial No. 441,232; June 24. Class 38.

Cosmopolitan Watch Material Importing Co. (See Schafran, Herman.)

Day-Brite Lighting, Inc., St. Louis, Mo. Electric lighting fixtures. Serial No. 442,745; June 24. Class 21.

Deere & Company, Moline, Ill. Traction fuel consumption meters. Serial No. 441,765; June 24. Class 26.

Defiance Machine Works, Inc., Toledo, Ohio. Metal-working machinery—viz., boring mills, drilling machines, stamping machines, etc. Serial No. 442,747; June 24. Class 23.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Chamois. Serial No. 442,829; June 24. Class 1.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Lens cleaning paper. Serial No. 442,834; June 24. Class 37.

Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photographic cameras. Serial No. 442,836; June 24. Class 26.

Ecusta Paper Corporation, Pisgah Forest, N. C. Cigarette paper. Serial No. 443,119; June 24. Class 8.

Electric Steam Radiator Corporation, Detroit, Mich. Room heating radiators. Serial No. 428,613; June 24. Class 34.

Endo Products, Inc., New York, N. Y. Preparation consisting of an anti-asthmatic tablet. Serial No. 443,561; June 24. Class 6.

Expello Corporation, The, Dover, N. H. Liquid perfume for general use except upon the person. Serial No. 443,534; June 24. Class 6.

Famous-Barr Company. (See May Department Stores Company, The.)

Ferris, John B., Publishing Corporation, New York, N. Y. Periodical. Serial No. 442,694; June 24. Class 38.

Floridin Company, Warren, Pa. Adsorbents prepared from natural earth. Serial No. 440,717–18; June 24. Class 1.

Forhan, H. L., Co., Portland, Maine. Canned blueberries. Serial No. 442,119; June 24. Class 46.

Fromm Bros., Inc., Hamburg, Wis. Ladies' garments made of fur and cloth. Serial No. 441,241; June 24. Class 39.

Fuger, Pierre G., doing business as Sprudel Water Company, Mount Clemens, Mich. Carbonated water, ginger ale, and other beverages. Serial No. 418,098; June 24. Class 45.

Geiger, Louis, Inc., New York, N. Y. Playsuits and sportswear. Serial No. 442,162; June 24. Class 39.

General Ice Cream Corporation, Schenectady, N. Y. Quick-frozen fruits, berries, and vegetables. Serial No. 441,818; June 24. Class 46.

Genesee Brewing Company, Inc., The, Rochester, N. Y. Beer. Serial No. 443,691; June 24. Class 48.

Good Humor Corporation of America, assignor to Good Humor Corporation, Brooklyn, N. Y. Frozen foods. Serial No. 428,750; June 24. Class 46.

Grant, W. T., Company, New York, N. Y. Garden hose. Serial No. 443,361; June 24. Class 35.

Great Lakes Varnish Works, Inc., Chicago, Ill. Paint enamel. Serial No. 442,127; June 24. Class 16.

Greenwald, Leo, doing business as Champ Publishing Company, New York, N. Y. Periodical publication. Serial No. 441,960; June 24. Class 38.

Guild of Prescription Opticians of America, Inc., Philadelphia, Pa. Lens cleaning fluid. Serial No. 442,846; June 24. Class 4.

Hause Valve Company, Wichita, Kans., and Montpelier, Ohio. Pumps. Serial No. 440,815; June 24. Class 23.

Hoof Products Company, Chicago, Ill. Safety lockout valve and warning signal units for hydraulic brakes. Serial No. 412,340; June 24. Class 19.

Horlick's Malted Milk Corporation, Racine, Wis. Chocolate flavored preparation in powdered form for use in making food drinks. Serial No. 441,702; June 24. Class 46.

Hutchinson Ice Cream Co., New York, N. Y. Ice cream. Serial No. 436,608; June 24. Class 46.

Justin, H. J., & Sons, Inc., Fort Worth, Tex. Men's, women's, and children's boots made of leather. Serial No. 440,818; June 24. Class 39.

Kanematsu Trading Corporation, New York, N. Y. Damask, rayon, and cotton table cloths and napkins. Serial No. 443,253; June 24. Class 42.

Kaolin, Georgia, Company, Elizabeth, N. J. Clay used in the body composition of ceramic ware. Serial No. 443,084; June 24. Class 1.

Kearns Coal Company, The, Cincinnati, Ohio. Coal. Serial No. 442,175; June 24. Class 1.

Keene's Laboratories Limited, London, England. Toilet preparation for the hands and nails. Serial No. 440,009; June 24. Class 6.

Kilgallen, Dorothy, New York, N. Y. Newspaper column. Serial No. 441,968; June 24. Class 38.

La Cordeleria de "San Juan", S. A., Merida, Mexico. Binder twine and cord made of sisal fiber. Serial Nos. 433,280–1; June 24. Class 7.

Lawrence Converters Inc., New York, N. Y. Sheets, pillow cases, blankets, etc. Serial No. 443,419; June 24. Class 42.

Lentheric, Incorporated, New York, N. Y. Perfumes, toilet water, and cosmetic creams. Serial Nos. 443,571–2; June 24. Class 6.

Lord & Taylor, New York, N. Y. Piece goods. Serial No. 443,234; June 24. Class 42.

Ludwig Mfg. Co., Inc., Racine, Wis. Holders for glass coffee makers. Serial No. 442,325; June 24. Class 13.

Marvlo Mills, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 443,421; June 24. Class 42.

Maumee Collieries Company, The, Terre Haute, Ind. Coal. Serial No. 443,046; June 24. Class 1.

May Department Stores Company, The, New York, N. Y.; Baltimore, Md.; Cleveland, Ohio; Los Angeles, Calif.; and Denver, Colo.; also doing business as The Famous-Barr Company, St. Louis, Mo., and as the M. O'Neil Co., Akron, Ohio. Coats. Serial No. 442,717; June 24. Class 39.

Meunier, J. Clinton, doing business as Trimline Manufacturing Co., Kansas City, Mo. Fabric automobile accessories. Serial No. 442,363; June 24. Class 19.

Minneapolis Brewing Company, Minneapolis, Minn. Beer. Serial No. 431,694; June 24. Class 48.

Minnesota and Ontario Paper Company, Minneapolis, and International Falls, Minn. Printing, writing, and book paper, etc. Serial No. 442,667; June 24. Class 37.

Monaghan, Elizabeth, Inc., Detroit, Mich. Bread. Serial No. 442,536; June 24. Class 46.
National Automotive Parts Association, Detroit, Mich. Automotive gears including drive gears, pinions, flywheel gears, etc. Serial No. 431,705; June 24. Class 23.
National Orange Company, Riverside, Calif. Fresh citrus fruits. Serial No. 436,478; June 24. Class 46.
New Era Shirt Company, St. Louis, Mo. Men's and boys' shirts. Serial No. 424,601; June 24. Class 39.
New York Specialties Supply Co., Inc., New York, N. Y. Electrical accessories, apparatus, appliances, and supplies. Serial No. 440,339; June 24. Class 21.
Nottebaum, Leopoldine, Newark, N. J. Cleaner and polish for metals, glass, and porcelain. Serial No. 442,915; June 24. Class 4.
O'Neil, M., Co. (See May Department Stores Company, The.)
Orange-Crush Company, Chicago, Ill. Beverages and concentrates and compounds for making the same. Serial No. 441,253; June 24. Class 45.
Owl Shop, New Haven, Conn. Smoking tobacco and cigars. Serial No. 441,588; June 24. Class 17.
Pacific Mills, Lawrence and Boston, Mass. Sheets and pillowcases. Serial No. 443,172; June 24. Class 42.
Paper Package Company, Indianapolis, Ind. Both set up and folding boxes made of paper, cardboard, solid fibre board, etc. Serial No. 442,635; June 24. Class 2.
Parfums Charbert, Inc., New York, N. Y. Perfumes, toilet waters, sachets, etc. Serial No. 443,616; June 24. Class 6.
Parker-Bouldin Company. (See Appleton, Raymond W.)
Patricia Petticoat Co., Inc., The, New York, N. Y. Women's and misses' slips. Serial No. 438,898; June 24. Class 39.
Pender, David, Grocery Co., Norfolk, Va. Wines. Serial No. 427,715; June 24. Class 47.
Peterson Oven Company, The, Chicago, Ill. Baking ovens. Serial No. 442,428; June 24. Class 34.
Petrolite Corporation, Ltd., Webster Groves, Mo. Chemical compound and solutions for the treatment and refining of petroleum. Serial No. 443,263; June 24. Class 6.
Pharis Tire and Rubber Company, Newark, Ohio. Rubber and rubber containing pneumatic tires for vehicle wheels. Serial No. 443,133; June 24. Class 35.
Pharis Tire and Rubber Company, The, Newark, Ohio Rubber and rubber containing penumatic tires and tubes for vehicle wheels. Serial No. 443,642; June 24. Class 35.
Pinckney, Ben J., Hood River, Oreg. Ice cream confections. Serial No. 441,922; June 24. Class 46.
Pyrene Manufacturing Company, Newark, N. J. Hand-operated portable fire extinguishers. Serial No. 440,955; June 24. Class 23.
Rabinowe, E., & Co. Inc., Yonkers, N. Y. Alcohol solvent sold for use in paints. Serial No. 429,887; June 24. Class 16.
Randall, Wilbur, doing business as The Randall Company, Hartford, Conn. Printed cards, booklets, and advertising matter. Serial No. 442,244; June 24. Class 38.
Raybestos-Manhattan, Inc., Passaic, N. J. Radiator hose. Serial No. 442,974; June 24. Class 35.
Roosevelt Oil Company, Mount Pleasant, Mich. Petroleum and products of petroleum. Serial No. 431,740; June 24. Class 15.
Schafran, Herman, doing business as Cosmopolitan Watch Material Importing Co., New York, N. Y. Main springs for watches. Serial No. 442,606; June 24. Class 27.
Scherr, George, Company, New York, N. Y. Precision length standards. Serial No. 440,759; June 24. Class 26.
Schneider, Hoffenberg & Mines, Inc., New York, N. Y. Suits. Serial No. 442,854; June 24. Class 39.
Scott & Bowne, Bloomfield, N. J. The prophylaxis of nutritional disorders due to deficiencies of calcium, phosphorus, iron, and vitamin B1. Serial No. 443,645–6; June 24. Class 6.
Sea Board Supply Co., Inc., Philadelphia, Pa. Feed concentrate for poultry. Serial No. 442,728; June 24. Class 46.
Sears, Roebuck and Co., Chicago, Ill. Toothbrushes. Serial No. 442,146; June 24. Class 29.
Sears, Roebuck and Co., Chicago, Ill. Cooking ranges employing liquid fuel. Serial No. 418,852; June 24. Class 34.
Select Sportswear, Inc., New York, N. Y. Sweaters and two piece knitted dresses. Serial No. 443,018; June 24. Class 39.
Smith, A. A., & Son, Inc., New York, N. Y. Underwear and knitted outerwear. Serial No. 443,020–1; June 24. Class 39.
Società Anonima Lavorazione Formaggi "Salfo", Genoa-Sampierdarena, Italy. Cheese and fresh, evaporated and condensed milk. Serial No. 430,805; June 24. Class 46.
Sohl, Webster L., New York, N. Y. Pharmaceutical products—namely, a laxative. Serial No. 441,331; June 24. Class 6.
Solomon & Birnbaum, Inc., New York, N. Y. Laces, embroideries, and textile fabrics in the piece. Serial No. 442,500; June 24. Class 42.
Sponsor Company, Washington, D. C. Monthly periodical in the nature of a trade magazine. Serial No. 441,263; June 24. Class 38.
Spotswood Speciality Company, Lexington, Ky. Rubber-tipped darts in the form or shape of a miniature airplane. Serial No. 443,209; June 24. Class 22.
Sprudel Water Company. (See Fuger, Pierre G.)
Standard Brands Incorporated, New York, N. Y. Culture for sour rye breads. Serial No. 443,139; June 24. Class 46.
Stresen-Reuter, Fred'k. A., Incorporated, Chicago, Ill. Liquid, paste, and solid metallic soaps. Serial No. 441,833; June 24. Class 16.
Sunset Oil Company, Los Angeles, Calif. Petroleum products—namely, gasoline. Serial No. 442,808–9; June 24. Class 15.
Swedish Steel Mills' A. A., Inc., New York, N. Y. Steels used for tools. Serial No. 441,494; June 24. Class 14.
Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Textile fabrics in the piece. Serial No. 441,525; June 24. Class 50.
Traficanti Brothers, Chicago, Ill. Alimentary paste products, cheese, prepared soup mixtures, etc. Serial No. 441,886; June 24. Class 46.
Transograph Corporation, New York, N. Y. Laminated adhesive mounting sheets. Serial No. 443,023; June 24. Class 37.
Trimline Manufacturing Co. (See Meunier, J. Clinton.)
Truax-Traer Coal Company, Chicago, Ill. Coal. Serial No. 442,376; June 24. Class 1.
Try-It Bottling Co. Inc., Lackawanna, N. Y. Beverages and syrups for making the same and carbonated water. Serial No. 443,308; June 24. Class 45.
Venice Celery Distributors, Los Angeles, Calif. Fresh vegetables. Serial No. 442,221–2; June 24. Class 46.
Vistem Corporation, New York, N. Y. Indexing cards. Serial No. 442,645; June 24. Class 37.
Wadsworth Electric Mfg. Co., Inc., Covington, Ky. Electric switches, electric fuse boxes, and combined switch and block structures. Serial No. 441,753; June 24. Class 21.
Warren Lamp Company, Warren, Pa. Electric incandescent lamps, electric fluorescent lamps and electric fuses. Serial No. 438,253; June 24. Class 21.
Wocky Products Company, Kansas City, Mo. Beverages sold as soft drinks and syrups and concentrates for making the same. Serial No. 440,970; June 24. Class 45.
Wolfson, S., & Greenbaum, Inc., New York, N. Y. Blouses and dresses. Serial No. 442,682; June 24. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

Achaia-Clauss Wine Company, Ltd., New York, N. Y. Wines. 388,408; June 24; Serial No. 439,645; published Apr. 15, 1941. Class 47.
Aiken, Frank W., Moberly, Mo. Expanding land anchors. 388,433; June 24; Serial No. 440,303; published Apr. 15, 1941. Class 13.
Allen A Company, The, Bennington, Vt. Knitted and woven underwear. 388,508; June 24. Class 39.
Allied Stores Corporation, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash. Quilted crib pads, muslin crib sheets, blankets, etc. 388,372; June 24; Serial No. 436,160; published Apr. 15, 1941. Class 42.
Amalgamated Textiles Limited, New York, N. Y. Woolen and worsted textile piece goods. 388,449; June 24; Serial No. 440,568; published Apr. 15, 1941. Class 42.
American Optical Company, Southbridge, Mass. Spectacles, eyeglasses, and parts thereof, ophthalmic mountings, and parts thereof, ophthalmic lenses and parts thereof. 388,450; June 24; Serial No. 440,574; published Apr. 15, 1941. Class 26.
American Lead Pencil Company, New York, N. Y., to American Lead Pencil Company, Hoboken, N. J. Lead pencils. 143,530; renewed June 7, 1941.
American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y., to American Manufacturing Company, Brooklyn, N. Y. Rope, cord, and twine manufactured from vegetable fiber. 142,412; renewed May 17, 1941.
American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y., to American Manufacturing Company, Brooklyn, N. Y. Rope, cord, and twine manufactured from vegetable fiber. 142,414; renewed May 17, 1941.
American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y. Rope, cord, and twine manufactured from vegetable fiber. 142,415; renewed May 17, 1941.
American Optical Company, The, Southbridge, Mass. Ophthalmic supplies and optical instruments. 141,840; renewed May 3, 1941.
American Screw Company, Providence, R. I. Metallic screws, bolts, nails, etc. 20,253; re-renewed Oct. 27, 1941.

American Varnish Company, Chicago, Ill., and New York, N. Y., to The American Varnish Company, Chicago, Ill. Varnishes. 20,262; re-renewed Oct. 27, 1941.
Andes Range & Furnace Corporation. (See Phillips & Clark Stove Co., Inc.)
Ampol Inc., New York, N. Y. Ham. 388,411; June 24; Serial No. 439,921; published Apr. 15, 1941. Class 46.
Anchor Hocking Glass Corporation, Lancaster, Ohio. Glass pie plates, custard cups, covered casseroles, etc. 388,452; June 24; Serial No. 440,614; published Apr. 15, 1941. Class 33.
Anti-Uric Company, The, San Francisco, Calif. Rheumatism medicine. 147,538; renewed Oct. 25, 1941.
Arango y Arango, Tampa, Fla. Cigars. 388,379; June 24; Serial No. 437,498; published Apr. 15, 1941. Class 17.
Armstrong Rubber Company, The, West Haven, Conn. Automobile tires and tubes. 388,472; June 24; Serial No. 441,275; published Apr. 15, 1941. Class 35.
Artistic Foundations, Inc., New York, N. Y. Girdles, corsets, and brassières, etc. 388,454; June 24; Serial No. 440,670; published Apr. 15, 1941. Class 39.
Associated Equipment Company, Limited, The, Westminister, London, England, to The Associated Equipment Company Limited, Southhall, England. Motor-vehicles. 143,277; renewed May 31, 1941.
Baker, H. A., Inc., assignor, by mesne assignments, to Washington Packers, Inc., Sumner, Wash. Canned fruits and canned vegetables. 142,926; renewed May 24, 1941.
Barber Asphalt Paving Company, The, Philadelphia, Pa., assignor to Barber Asphalt Corporation, Barber, N. J. Waterproof roofing sheets and shingles. 144,695; renewed July 19, 1941.
Barber, John C., Denver, Colo. Board game played with movable pieces and a spinner. 388,467; June 24; Serial No. 440,904; published Apr. 15, 1941. Class 22.
Barth, G. R., Co., San Francisco, Calif. Canned fruits, canned vegetables, canned fruit cocktail. 388,365; June 24; Serial No. 424,533; published Dec. 24, 1940. Class 46.
Bauder, Ray E., doing business as Bauder-Baker, Chicago, Ill. Check deposit books, passbooks, stationery, etc. 388,380; June 24; Serial No. 437,640; published Apr. 15, 1941. Class 37.
Beckley-Cardy Company, Chicago, Ill. Blackboard erasers. 388,481; June 24. Class 37.
Belden Manufacturing Company, Chicago, Ill. Magnet-wires. 146,555; renewed Sept. 13, 1941.
Belden Manufacturing Company, Chicago, Ill. Rubber-covered electrical conductors. 146,556; renewed Sept. 13, 1941.
Belding Heminway Company. (See Brainerd & Armstrong Company, The, assignor.)
Bendix Aviation Corporation, Bendix, N. J. Electrical transmitting and/or receiving devices. 388,445; June 24; Serial No. 440,534; published Apr. 15, 1941. Class 21.
Bennett, G. E., San Francisco, Calif. Metal-polish. 144,697; renewed June 19, 1941.
Bituminous Coal Stokers Inc., Durango, Colo. Coal Stokers. 388,437; June 24; Serial No. 440,355; published Apr. 15, 1941. Class 34.
Blankson Clothes, Inc., New York, N. Y. Suits, overcoats, top-coats, etc. 388,434; June 24; Serial No. 440,312; published Apr. 15, 1941. Class 39.
Blatz, Val, Brewing Company, by change of name to Blatz Brewing Company, Milwaukee, Wis. Beverages, malt extracts, malt syrups, etc. 145,611; renewed Aug. 16, 1941.
Blatz, Val., Brewing Company, by change of name to Blatz Brewing Company, Milwaukee, Wis. Beverages, malt extracts, malt syrup, etc. 145,846; renewed Aug. 16, 1941.
Boericke & Runyon Co., San Francisco, Calif., and Oakland, Calif., to Boericke & Runyon Co., San Francisco, Calif. Home medicines for diseases of the kidneys and bladder. 145,931; renewed Aug. 23, 1941.
Bon Marche, The. (See Allied Stores Corporation.)
Borden Company, The, New York, N. Y. Pasteurized cheese food mixture. 388,446; June 24; Serial No. 440,539; published Apr. 15, 1941. Class 46.
Borden Company, The, doing business as Borden's Ice Cream Company, Baltimore, Md. Ice cream. 388,455; June 24; Serial No. 440,712; published Apr. 15, 1941. Class 46.
Borg-Warner Corporation, Chicago, Ill. Wire cloth materials. 388,364; June 24; Serial No. 422,994; published Apr. 15, 1941. Class 13.
Borg-Warner Corporation, Chicago, Ill. Gears for use in the driving systems and engines of motor vehicles. 388,479; June 24. Class 23.
Bowen, Phil C., Kansas City, Mo. Tape employed by garment cleaners. 388,485; June 24. Class 40.
Bradas & Gheens, Inc., Louisville, Ky. Candy. 388,392; June 24; Serial No. 438,860; published Apr. 15, 1941. Class 46.
Brainerd & Armstrong Company, The, New London, Conn., assignor to Belding Heminway Company, New York, N. Y. Fabrics in the piece. 145,047; renewed July 26, 1941.
Brown & Bigelow, St. Paul, Minn. Art-calendars, greeting cards, and mottoes. 147,758; renewed Nov. 1, 1941.
Browne, Stewart R., Mfg. Co., Inc., New York, N. Y. Pump-valves. 142,148; renewed May 3, 1941.
Burgio Bros., Inc. (See Victorius, A. V., assignor.)
Burros & Burros, Inc., New York, N. Y. Artificial flowers. 388,420; June 24; Serial No. 440,038; published Apr. 15, 1941. Class 40.
Business Publishers International Corporation. (See McGraw-Hill Company, assignor.)
Butterick Publishing Company, The, assignor to The Butterick Company, Inc., New York, N. Y. Instruction sheets or charts for dressmakers' patterns. 142,952; renewed May 24, 1941.
Buxton & Skinner Printing and Stationery Company, St. Louis, Mo. Mucilage. 147,560; renewed Oct. 25, 1941.
Cat's Paw Rubber Company, Inc., Baltimore, Md. Heels and soles. 388,441; June 24; Serial No. 440,441; published Apr. 15, 1941. Class 39.
Cat's Paw Rubber Company, Inc., Baltimore, Md. Rubber heels and soles. 388,444; June 24; Serial No. 440,488; published Apr. 15, 1941. Class 39.
Chance, A. B., Company, Centralia, Mo. Guy rods and earth anchors of the cone, screw, and expanding type. 388,480; June 24. Class 13.
Chase, G. W., & Son Mer. Co., to Chase Candy Company, St. Joseph, Mo., by change of name. Candy. 147,564; renewed Oct. 25, 1941.
Chesler, Henry, Cleveland, Ohio. Burlap, jute, and cotton bags. 146,711; renewed Sept. 20, 1941.
Chipman Knitting Mills, Easton, Pa., assignor to Chas. Chipman's Sons Co., Inc., New York, N. Y. Hosiery. 142,958; renewed May 24, 1941.
Clayton, William L., Harmony, Pa. Portable cooling fans, wall fans, blowers, etc. 388,403; June 24; Serial No. 439,408; published Apr. 15, 1941. Class 34.
Clements, Fred W., assignor to International Laboratories, Inc., Rochester, N. Y. Antiseptic, germicidal, and anodyne oil. 147,083; renewed Oct. 4, 1941.
Cohn-Hall-Marx Co., New York, N. Y. Piece goods. 388,462; June 24; Serial No. 440,801; published Apr. 15, 1941. Class 42.
Consolidated Packing & Supply Co., New York, N. Y. Sheet-packing and gaskets made of vegetable fiber. 142,251; renewed May 10, 1941.
Consolidated Water Power & Paper Co., Wisconsin Rapids, Wis. Coated paper. 388,396; June 24; Serial No. 439,194; published Apr. 15, 1941. Class 37.
Cook Paint & Varnish Company, Kansas City, to Cook Paint & Varnish Company, North Kansas City, Mo. Varnish. 147,574–6; renewed Oct. 25, 1941.
Corn Products Refining Company, New York, N. Y. Sugar. 147,577; renewed Oct. 25, 1941.
Creed, Charles, New York, N. Y. Women's and girl's suits, jackets, coats, etc. 388,504; June 24. Class 39.
Crown Fabrics Corporation, New York, N. Y. Cotton, spun rayon, and spun acetate fabrics in the piece. 388,502; June 24. Class 42.
Crown Fastener Corporation, Warren, R. I. Separable slide fasteners. 388,463; June 24; Serial No. 440,804; published Apr. 15, 1941. Class 13.
Crystal, David, Inc., New York, N. Y. Fabrics in the piece. 388,468; June 24; Serial No. 440,919; published Apr. 15, 1941. Class 42.
Crystal Tissue Co., The, Excello, to The Crystal Tissue Company, Middletown, Ohio. White, colored, and waxed tissue-papers. 147,765; renewed Nov. 1, 1941.
Davala, John J., Passaic, N. J. Board game played with movable pieces. 388,471; June 24; Serial No. 441,235; published Apr. 15, 1941. Class 22.
Dayton Rubber Manufacturing Company, The, Dayton, Ohio. Sponge rubber. 388,376; June 24; Serial No. 437,337; published Apr. 15, 1941. Class 1.
Dayton Rubber Manufacturing Company, The, Dayton, Ohio. Rubber hose and rubber belting. 388,456; June 24; Serial No. 440,714; published Apr. 15, 1941. Class 35.
Dazey Churn and Manufacturing Company, St. Louis, Mo. Churns. 147,298–9; renewed Oct. 11, 1941.
De Botelho, Martin, New York, N. Y. Preparation applied to the body to improve the texture of the skin. 388,493; June 24. Class 6.
De Met and Company, assignor, by mesne assignments, to De Met's, Inc., Chicago, Ill. Candy. 146,210; renewed Sept. 6, 1941.
Devoe & Raynolds Company, Inc., New York, N. Y. Paint brushes. 388,497; June 24. Class 29.
Diapin Company, The. (See Johnston, Clarence W.)
Dietz Gum Co. of Chicago, doing business as Dietz Gum Co., Chicago, Ill. Chewing gum. 388,419; June 24; Serial No. 439,996; published Apr. 15, 1941. Class 46.
Dill Company, The, Norristown, Pa. Medicinal preparation. 146,727; renewed Sept. 20, 1941.
Display Cartons Co. (See Warren, Otey Y.)
Dodgem Corporation. (See Stoehrer & Pratt Dodgem Corporation.)
Dodgeville Finishing Co., Inc., Dodgeville, Mass. Piece goods of cotton, rayon, and cotton. 388,494; June 24. Class 42.
Draper Brothers Company, Canton, Mass. Knitted and woven fabrics in the piece. 388,484; June 24. Class 42.
Dunlop Tire and Rubber Corporation of America, Tonawanda, by change of name to Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Rubber tires and parts thereof. 146,728; renewed Sept. 20, 1941.
Durable Toy & Novelty Corp., New York, N. Y. Toy coin banks. 388,453; June 24. Serial No. 440,646; published Apr. 15, 1941. Class 22.

Eastman Kodak Company, Rochester, N. Y. Piece goods. 388,464; June 24; Serial No. 440,809; published April 15, 1941. Class 42.
Edenfield, E. E. also doing business as E. E. Edenfield Co., Lakeland, Fla. Canned tomatoes and canned citrus fruits and juices for food purposes. 388,375; June 24; Serial No. 437,275; published Mar. 18, 1941. Class 46.
Eisendrath, B. D., Tanning Co., Chicago, Ill. Leather. 388,421; June 24; Serial No. 440,087; published April 15, 1941. Class 1.
Elkay Manufacturing Co., Chicago, Ill. Cabinet sinks and sink tops. 388,442; June 24; Serial No. 440,463; published Apr. 15, 1941. Class 13.
Emeloid Co., Inc., The, Arlington, N. J. Curtain hooks, drape hangers, hangers for pictures, and mirrors. 388,465; June 24; Serial No. 440,810; published Apr. 15, 1941. Class 13.
Enro Shirt Company, Inc., The, Louisville, Ky. Pajamas for men. 388,488; June 24. Class 39.
Enro Shirt Company, Inc., The, Louisville, Ky. Sport, dress, negligee, and work shirts for men. 388,489; June 24. Class 39.
Enro Shirt Company, Inc., The, Louisville, Ky. Sport shirts for men. 388,490; June 24. Class 39.
Everedy Company, The, Frederick, Md. Base metal cooking hollowware. 388,401–2; June 24; Serial Nos. 439,336–7; published Apr. 15, 1941. Class 13.
Eversharp, Inc. (See Wahl Company.)
Eye in the Sky, Jacksonville, Fla. Cameras. 388,435; June 24; Serial No. 440,325; published Apr. 15, 1941. Class 26.
Factor, Max, & Co., Los Angeles, Calif. Cosmetic. 388,507; June 24. Class 6.
Famous-Barr Company. (See May Department Stores Company.)
Fischer, Philip, Chicago, Ill. Chewing gum. 388,495; June 24. Class 46.
Fitzpatrick Bros., Chicago, Ill. Cleaning and scouring preparation. 147,311; renewed Oct. 11, 1941.
Fitzpatrick Bros., Chicago, Ill. Soap. 147,312; renewed Oct. 11, 1941.
Flintkote Company, The. (See Heppes-Nelson Roofing Company, assignor.)
Ford, J. B., Company, The, Wyandotte, Mich. Cleaning, cleansing, and detergent preparation. 388,373; June 24; Serial No. 436,428; published Apr. 15, 1941. Class 4.
Fosgate, Chester C., Co., Orlando, Fla. Fresh citrus fruits. 147,602; renewed Oct. 25, 1941.
Franklin Peanut Company, Franklin, Va. Peanuts in the shell. 147,603; renewed Oct. 25, 1941.
General Binding Corporation, Chicago, Ill. Binders for books, catalogs, and pamphlets. 388,395; June 24; Serial No. 439,101; published Apr. 15, 1941. Class 37.
General Ice Cream Corporation. (See Simmonds & Hammond Manufacturing Company.)
General Motors Corporation, Detroit, Mich. Machine elements—namely, clutch facings and brake linings. 388,383; June 24; Serial No. 437,863; published Apr. 15, 1941. Class 35.
General Time Instruments Corporation, New York, N. Y., and Peru, Ill. Clocks and watches. 388,388; June 24; Serial No. 438,506; published Apr. 15, 1941. Class 27.
Glemby Company, Inc., The, New York, N. Y. Empty cosmetic containers. 388,487; June 24. Class 2.
Goodyear Tire & Rubber Company, The. (See Marathon Tire & Rubber Co., The, assignor.)
Granko Corporation, Trenton, N. J. Beer coolers. 388,470; June 24; Serial No. 441,018; published Apr. 15, 1941. Class 31.
Greenberg, Samuel, doing business as Lorraine Pipe Shop, New York, N. Y. Pipe tobacco. 388,405; June 24; Serial No. 439,514; published Apr. 15, 1941. Class 17.
Hardison, James W., Yakima, Wash. Solid fuel burning camp stoves. 388,393; June 24; Serial No. 438,982; published Apr. 15, 1941. Class 34.
Harris Coal Corporation, Cleveland, Ohio. Coal. 388,422; June 24; Serial No. 440,092; published Apr. 15, 1941. Class 1.
Hausman, Newman & Miller, Inc., New York and Brooklyn, N. Y. Men's and young men's clothing. 388,499; June 24. Class 39.
Hemet Mutual Groves, Hemet, Calif. Fresh citrus fruits. 388,447; June 24; Serial No. 440,555; published Apr. 15, 1941. Class 46.
Heppes-Nelson Roofing Company, The, Chicago, Ill., assignor, by mesne assignments, to The Flintkote Company, New York, N. Y. Prepared roofing ordinarily sold in rolls. 144,580; renewed July 12, 1941.
Herbert, Faye, New York, N. Y. Slide fasteners. 388,406; June 24; Serial No. 439,545; published Apr. 15, 1941. Class 13.
Hockaday, Frank W., to Grace Hockaday, Guardian of Frank W. Hockaday, insane, Wichita, Kans. Wooden signs used as road-markers. 141,385; renewed Apr. 19, 1941.
Hollins, William, & Co., Limited, Mansfield and London, England, to William Hollins & Company, Nottingham, England. Pure-silk piece goods. 141,141; renewed Apr. 12, 1941.
Hollins, William, & Company, Limited, London and Mansfield, England, to William Hollins & Company, Limited, Nottingham, England. Clothing. 146,578; renewed Sept. 13, 1941.
Holt, T. T. (See Rusticide Company.)
Homasote Company, Inc., Fernwood, N. J. Fibrous sheet material for use in the manufacture of shoe heels, inner soles, etc. 388,371; June 24; Serial No. 435,905; published Apr. 15, 1941. Class 50.
Hudor Co., The, Buffalo, N. Y. Maltless beverage, and syrups, extracts, and concentrates for making the same. 388,443; June 24; Serial No. 440,466; published Apr. 15, 1941. Class 45.
Hunt, C. Howard, Pen Company, Camden, N. J. Pens. 388,482; June 24. Class 37.
Hunter, H. B., Company, Incorporated, Norfolk, Va. Root-beer and ginger-ale. 142,278; renewed May 10, 1941.
Hunter, H. B., Company, Incorporated, Norfolk, Va. Syrups to be used in making non-alcoholic, maltless soda-fountain beverages. 142,279; renewed May 10, 1941.
Hunter, H. B., Company, Incorporated, Norfolk, Va. Syrups for food products, canned fruits, bouillons, etc. 143,648; renewed June 7, 1941.
Huyck, F. C., & Sons, Albany, N. Y. Blankets. 388,460–1; June 24; Serial Nos. 440,782–3; published Apr. 15, 1941. Class 42.
Illinois Malleable Iron Company, Chicago, Ill. Hatchets, hammers, and axes. 388,451; June 24; Serial No. 440,594; published Apr. 15, 1941. Class 23.
Insel Company, The, Arlington, N. J. Toothbrushes. 388,476; June 24. Class 29.
International Correspondence Schools, Scranton, Pa. Periodical issued monthly. 147,341; renewed Oct. 11, 1941.
International Laboratories, Inc. (See Clements, Fred W.)
International Silver Company, Meriden and Waterbury, to International Silver Company, Meriden, Conn. Silver-plated flat-ware. 147,780; renewed Nov. 1, 1941.
Ireks Aktiengesellschaft Kulmbach, Kulmbach, Germany. Articles for baking purposes, i. e., bacteriologics, enzymatics, water-binding and chemical, etc. 388,385; June 24; Serial No. 438,243; published Apr. 15, 1941. Class 46.
Johnston, Clarence W., doing business as The Dispin Company, Portland, Oreg. Safety pin set. 388,381; June 24; Serial No. 437,774; published Apr. 15, 1941. Class 40.
Jönköpings och Vulcans Tandsticksfabriksaktiebolag, Jonkoping, Sweden. Matches. 388,369; June 24; Serial 434,119; published Apr. 15, 1941. Class 9.
K-D Lamp Company, The, Cincinnati, Ohio. Electric lamps for automobiles and other vehicles. 142,650; renewed May 17, 1941.
Kamm Co., assignor to Kamm & Schellinger Company, Inc., Mishawaka, Ind. Non-alcoholic beverages. 143,057; renewed May 24, 1941.
Keener Sand and Clay Company, The, Columbus, Ohio. Molding-sand. 146,784; renewed Sept. 20, 1941.
Kelray Knitting Mills. (See Krumholz & Lichtblau.)
Kent, Roger, Inc., New York, N. Y., New Haven, Conn., Philadelphia, Pa., and Cambridge, Mass. Men's clothing. 388,505; June 24. Class 39.
Kitchen Kraft Foods Corporation, doing business as Majestic Maid Food Company, Brooklyn, N. Y. Potato pancake mix. 388,397; June 24; Serial No. 439,230; published Apr. 15, 1941. Class 46.
Klarion Merchandising Corporation, New York, N. Y. Lettering paint. 388,426; June 24; Serial No. 440,127; published Apr. 15, 1941. Class 16.
Klein, Jules, & Joseph Muller, Inc., New York, N. Y. Watches. 388,410; June 24; Serial No. 439,777; published Apr. 15, 1941. Class 27.
Kleinert, I. B., Rubber Company, New York, N. Y. Corsets, girdles, and foundation garments. 388,440; June 24; Serial No. 440,417; published Apr. 15, 1941. Class 39.
Kresge, Sebastian S., doing business as Kresge Department Store, Newark, N. J. Shoes. 388,477; June 24. Class 39.
Krumholz & Lichtblau, doing business as Kelray Knitting Mills, New York, N. Y. Panties, step-ins, slips, etc. 388,427; June 24; Serial No. 440,128; published Apr. 15, 1941. Class 39.
Lady Baltimore Candy Co. (See Voogt, C. E.)
Laher Battery Production Corporation, Oakland, Calif. Automobile storage batteries. 388,492; June 24. Class 21.
Lake Hamilton Citrus Growers Association, Lake Hamilton, to Lake Hamilton Citrus Growers Association, Winter Haven, Fla. Fresh citrus fruits. 145,712; renewed Aug. 16, 1941.
Lansburgh & Bros., Washington, D. C. Shoes, dresses, coats, etc. 388,412–13; June 24; Serial Nos. 439,936–7; published Apr. 15, 1941. Class 39.
Lansburgh & Bro., Washington, D. C. Shoes, shirts, pajamas, etc. 388,414–15; June 24; Serial Nos. 439,938–9; published Apr. 15, 1941. Class 39.
Levinthal, Aloren, Corp., New York, N. Y. Piece goods. 388,459; June 24; Serial No. 440,767; published Apr. 15, 1041. Class 42.
Lorraine Pipe Shop. (See Greenberg, Samuel.)
Lounsbury, Henry B., New York, N. Y., assignor, by mesne assignments, to Remington Rand Inc., Buffalo, N. Y. Papers. 144,835; renewed July 19, 1941.
Luxuray, Inc., New York, N. Y. Slips, petticoats, bloomers, etc. 388,436; June 24; Serial No. 440,837; published Apr. 15, 1941. Class 39.

Machinery Sales Co., doing business as Machinery Manufacturing Co., Los Angeles, Calif. Machinery. 388,500; June 24. Class 23.
Majestic Maid Food Company. (See Kitchen Kraft Foods Corporation.)
Marathon Tire & Rubber Co., The, Cuyahoga Falls, Ohio, assignor, by mesne assignments, to The Goodyear Tire & Rubber Company, Akron, Ohio. Rubber tire, casings, and tubes. 144,859; renewed July 19, 1941.
Marshall-Wells Company, doing business as Zenith Rubber Co., Duluth, Minn. Automobile and bicycle tires and tubes. 388,474; June 24; Serial No. 441,401; published Apr. 15, 1941. Class 35.
May Department Stores Company, The, New York, N. Y., Cleveland, Ohio, Baltimore, Md., Los Angeles, Calif., and Denver, Colo., also doing business as Famous-Barr Company, St. Louis, Mo. Toilet articles. 388,483; June 24. Class 6.
McCoy, Jones & Company, Inc., Chicago, Ill. Containers. 388,457; June 24; Serial No. 440,726; published Apr. 15, 1941. Class 2.
McCrory Stores Corporation, New York, N. Y. Typewriter ribbons. 388,378; June 24; Serial No. 437,389; published Apr. 15, 1941. Class 11.
McGraw-Hill Company, Inc., assignor to Business Publishers International Corporation, New York, N. Y. Periodical publication. 147,636; renewed Oct. 25, 1941.
McLean Products, Inc., Mamaroneck, N. Y. Stabilizer for frozen confections, chocolate milk, etc. 388,416–17; June 24; Serial Nos. 439,941–2; published Apr. 15, 1941. Class 46.
Meyer Canning Co., Edinburg, Tex. Canned citrus fruit juices for food purposes. 388,389; June 24; Serial No. 438,511; published Apr. 15, 1941. Class 46.
Michaels, Stern & Company, Inc., Rochester, N. Y. Suits, topcoats, and overcoats. 388,496; June 24. Class 39.
Miller, I., & Sons, Inc., Long Island City, N. Y. Shoes. 388,448; June 24; Serial No. 440,561; published Apr. 15, 1941. Class 39.
Miller, Jacob, Sons & Co., assignor to Jacob Miller's Sons Co., Philadelphia, Pa. Satin in the piece. 140,647; re-renewed Mar. 22, 1941.
Mulhens & Kropff, Incorporated, New York, N. Y., assignor to P. Mülhens, Cologne, Germany. Antiseptic mouth-wash and scalp remedy. 143,100; renewed May 24, 1941.
Mulhens & Kropff, Incorporated, New York, N. Y., assignor to P. Mülhens, Cologne, Germany. Medicated soaps and shaving soaps. 143,408; renewed May 31, 1941.
Mulhens & Kropff, Incorporated, New York, N. Y., to P. Mülhens, Cologne, Germany, assignee. Toilet preparations. 144,207; renewed June 28, 1941.
Norton Company, Worcester, Mass. Grinding-wheels and abrasive stones. 142,644; renewed May 17, 1941.
Nu-Dent Porcelain Studio, Inc., New York, N. Y. Dental crowns for covering teeth. 388,409; June 24; Serial No. 439,725; published Apr. 15, 1941. Class 44.
Oconomowoc Canning Co., Oconomowoc, Wis. Canned vegetables and canned tomato juice. 388,363; June 24; Serial No. 405,368; published July 12, 1938. Class 46.
Owens Staple-Tied Brush Company, The, Toledo, Ohio. Tooth brushes. 388,370; June 24; Serial No. 435,806; published Apr. 15, 1941. Class 29.
Pacific Mills, Lawrence and Boston, to Pacific Mills, Lawrence, Mass. Cotton piece goods. 145,770; renewed Aug. 16, 1941.
Pacific Mills, Lawrence and Boston, to Pacific Mills, Lawrence, Mass. Cotton piece goods. 146,126; renewed Aug. 30, 1941.
Palmer, William H., doing business as W. H. Palmer Company, Topeka, Kans. Liquid adhesive cement. 388,368; June 24; Serial No. 432,695; published Apr. 15, 1941. Class 5.
Parker, C. C., Mercedes, Tex. Screw-worm preventive. 144,622; renewed July 12, 1941.
Paul, Richard, Inc., Wilmington, Del. Low socks or under socks. 388,366; June 24; Serial No. 428,170; published Apr. 15, 1941. Class 39.
Paramount Shoe Manufacturing Company, St. Louis, Mo. Shoes. 388,377; June 24; Serial No. 437,350; published Apr. 15, 1941. Class 39.
Peerless Bread Machinery Corporation, Sidney, Ohio. Flour sifter, dough mixers, loaf molders, etc. 388,501; June 24; Serial No. 439,360. Class 23.
Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes. 388,506; June 24. Class 35.
Phillips & Clark Stove Co., Inc., Geneva, N. Y., by change of name to Andes Range & Furnace Corporation. Stoves, ranges, and furnaces burning coal, gas, or wood. 142,091; renewed May 3, 1941.
Phillips-Jones Corporation, New York, N. Y. Shirts, pajamas, underwear, etc. 388,438; June 24; Serial No. 440,379; published Apr. 15, 1941. Class 39.
Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 388,418; June 24; Serial No. 439,975; published Apr. 15, 1941. Class 46.
Potter & Johnston Machine Company, Pawtucket, R. I. Machine tools. 388,498; June 24. Class 23.
Pressman, J., & Co., Inc., New York, N. Y. Toy easels. 388,473; June 24; Serial No. 441,289; published Apr. 15, 1941. Class 22.
Price, William B., assignor to Price Fire & Water Proofing Co., Poughkeepsie, N. Y. Waterproofing composition for fabrics of all kinds. 145,995; renewed Aug. 23, 1941.
Products, Inc., Denver, Colo. Garment hangers. 388,399; June 24; Serial No. 439,295; published Apr. 15, 1941. Class 50.
Pure Oil Company, The, Columbus, Ohio, to The Pure Oil Company, Chicago, Ill. Oil for treatment of road-surfaces. 146,338; renewed Sept. 6, 1941.
Quality Products, Inc., La Feria, Tex. Canned vegetables and canned fruit juice for food purposes. 388,398; June 24; Serial No. 439,254; published Apr. 15, 1941. Class 46.
Radio Electric Corporation, Los Angeles, Calif. Electro-therapeutic instruments. 388,478; June 24. Class 44.
Reefer, E. J., Kansas City, Mo., assignor to Reefer-Galler Inc., New York, N. Y. Device for dispensing and insecticide for the elimination of moths. 142,103; renewed May 3, 1941.
Reliable Cement Mfg. Co. (See Richman, Louis S.)
Remington Rand Inc. (See Lounsbury, Henry B., assignor.)
Richman, Louis S., doing business as Reliable Cement Mfg. Co., New York, N. Y. Quick drying adhesive cement. 388,367; June 24; Serial No. 428,331; published Apr. 15, 1941. Class 5.
Rope Soles, Inc., New York, N. Y. Shoes. 388,394; June 24; Serial No. 439,057; published Apr. 15, 1941. Class 39.
Rowe, C. L., Corporation, Brooklyn, N. Y. Ready-mixed paints and synthetic paint enamel. 388,387; June 24; Serial No. 438,425; published Apr. 15, 1941. Class 16.
Rueping, Fred, Leather Co., Fond du Lac, Wis. Leather. 388,475; June 24. Class 1.
Rusticide Company, The, assignor, by mesne assignments, to T. T. Holt, Cleveland, Ohio. Chemical preparation for removing rust. 147,024; renewed Sept. 27, 1941.
Rutenber Electric Co., The, Marion, Ind. Electric toasters. 146,604; renewed Sept. 13, 1941.
San Antonio Drug Company, San Antonio, Tex. Disinfectant, insecticide, and deodorizer. 147,026; renewed Sept. 27, 1941.
Sanitary Products Corporation of America, The, Philadelphia, Pa., to The Sanitary Products Corporation of America, Plainfield, N. J. Paper forks. 142,746; renewed May 17, 1941.
Sasaki, Henry Y., Los Angeles, Calif. Vegetables. 388,458; June 24; Serial No. 440,734; published Apr. 15, 1941. Class 46.
Schaffran & Landa, Inc., New York, N. Y. Piece goods. 388,466; June 24; Serial No. 440,883; published Apr. 15, 1941. Class 42.
Scolding Locks Corporation, Appleton, Wis. Hairpins and bobby pins. 388,382; June 24; Serial No. 437,837; published Apr. 15, 1941. Class 40.
Scully Signal Company, East Cambridge, Mass. Liquid level indicators. 388,439; June 24; Serial No. 440,388; published Apr. 15, 1941. Class 26.
Sears, Roebuck and Co., Chicago, Ill. Safety pins. 142,330; renewed May 10, 1941.
Sears, Roebuck and Co., Chicago, Ill. Gasolene-engines. 142,754; renewed May 17, 1941.
Sewerage Commission of the City of Milwaukee, Milwaukee, Wis. Artificial fertilizers. 388,429; June 24; Serial No. 440,270; published Apr. 15, 1941. Class 10.
Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Writing fluids. 142,760; renewed May 17, 1941.
Shield Foods, Inc., Buffalo, N. Y. Canned fruit juices. 388,391; June 24; Serial No. 438,815; published Apr. 15, 1941. Class 46.
Silverman, B. M., Washington, D. C. Tooth brushes. 388,400; June 24; Serial No. 439,300; published Apr. 15, 1941. Class 29.
Simmons & Hammond Manufacturing Company, Portland, Maine, assignor, by mesne assignments, to General Ice Cream Corporation, Schenectady, N. Y. Candies and ice cream. 143,471; renewed May 31, 1941.
Smith, Harry J., assignor, by mesne assignments, to D. B. Smith & Company, Inc., Utica, N. Y. Fly, insect, and germ destroyer. 147,169; renewed Oct. 4, 1941.
Smooth-On Manufacturing Company, Jersey City, N. J. Sheet-packing containing comminuted iron and sheet-metal gaskets. 145,813; renewed Aug. 16, 1941.
Smooth-On Manufacturing Company, Jersey City, N. J. Adhesive tape for repair purposes and the like. 145,814; renewed Aug. 16, 1941.
Smooth-On Manufacturing Company, Jersey City, N. J. Substances used as a cement. 146,877; renewed Sept. 20, 1941.
Southland Wine Corporation, Richmond, Va. Wines. 388,430–2; June 24; Serial Nos. 440,295–7; published Apr. 15, 1941. Class 47.
Stackpole Carbon Company, St. Marys, Pa. Fluid conductors—i. e. pipes, fittings, and valves. 388,428; June 24; Serial No. 440,222; published Apr. 15, 1941. Class 13.
Standard Brands Incorporated. (See Ward Baking Company, assignor.)
Standard Brands Incorporated, New York, N. Y. Dry yeast. 388,362; June 24; Serial No. 403,526; published Apr. 15, 1941. Class 46.

Stanley Works, The, New Britain, Conn. Tools. 147,692; renewed Oct. 25, 1941.
Steel, Herman D. assignor to The Swiss Jewel Company, Philadelphia, Pa. Meter, watch, and industrial jewels, etc. 147,694; renewed Oct. 25, 1941.
Stoehrer & Pratt Dodgem Corporation, Lawrence, Mass., by change of name to Dodgem Corporation. Hand operated toy cars for indoor or outdoor use. 146,007; renewed Aug. 23, 1941.
Stonekirk Worsted Company, New York, N. Y. Woolen goods in the piece. 388,469; June 24; Serial No. 440,966; published Apr. 15, 1941. Class 42.
Streator Canning Company, Streator, Ill. Canned vegetables and canned corn meal mush. 388,374; June 24; Serial No. 437,158; published Apr. 15, 1941. Class 46.
Swiss Jewel Company. (See Steel, Herman D., assignor.)
Sylmar Packing Corp., Los Angeles, Calif. Canned fruits, canned vegetables, and olives. 388,386; June 24; Serial No. 438,419; published Apr. 15, 1941. Class 46.
Taylor Instrument Companies, Rochester, N. Y. Thermometers. 388,407; June 24; Serial No. 439,639; published Apr. 15, 1941. Class 26.
Ullmann, Bernhard, Co. Inc., New York, N. Y. Clothing. 147,421; renewed Oct. 11, 1941.
Union Metal Manufacturing Company, The, Canton, Ohio. Metal lamp-posts for electric lights. 144,957; renewed July 19, 1941.
United Drug Company, assignor to United Drug Company, Boston, Mass. Shoes. 146,382; renewed Sept. 6, 1941.
Victorius, A. V., & Company, assignor, by mesne assignments, to Burgio Bros., Inc., New York, N. Y. Hosiery. 142,163; renewed May 3, 1941.
Visking Corporation, The, Chicago, Ill. Transparent merchandise protectors. 388,423; June 24; Serial No. 440,105; published Apr. 15, 1941. Class 2.
Visking Corporation, The, Chicago, Ill. Merchandise protectors. 388,424; June 24; Serial No. 440,106; published Apr. 15, 1941. Class 2.
Visking Corporation, The, Chicago, Ill. Artificial sausage casings. 388,425; June 24; Serial No. 440,107; published Apr. 15, 1941. Class 2.
Voogt, C. E., Candy Co., doing business as Lady Baltimore Candy Co., Chicago, Ill. Candy. 388,384; June 24; Serial No. 437,980; published Apr. 15, 1941. Class 46.
Wade Electric Products Company, Sturgis, Mich. Sockets, socket assemblies, terminal or junction blocks, etc. 388,404; June 24; Serial No. 439,508; published Apr. 15, 1941. Class 21.
Wahl Company, The, by merger to Eversharp, Inc., Chicago, Ill. Lead-pencils. 147,712; renewed Oct. 25, 1941.
Ward Baking Company, assignor, by mesne assignments, to Standard Brands Incorporated, New York, N. Y. Ingredient used in manufacture of bread and other kinds of baked foods. 147,826; renewed Nov. 1, 1941.
Warren, Otey Y., doing business as Display Cartons Co., Stamford, Conn. Bottle carrying cartons. 388,491; June 24. Class 2.
Warren, S. D., Company, Boston, Mass. Paper. 388,486; June 24. Class 37.
Washington Packers, Inc. (See Baker, H. A., Inc., assignor.)
Weeks, O. J., Co., Inc., New York, N. Y. Ice cream powder. 388,503; June 24. Class 46.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Testing instruments. 388,390; June 24; Serial No. 438,522; published Apr. 15, 1941. Class 26.
Whiting Paper Company, Holyoke, Mass. Writing-paper. 20,260; re-renewed Oct. 27, 1941.
Wilson, H. A., Company, The, Newark, N. J. Rivets. 147,434; renewed Oct. 11, 1941.
Zenith Rubber Co. (See Marshall-Wells Company.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Harris Coal Corporation. 388,422; June 24; Serial No. 440,092; published Apr. 15, 1941.
Leather. B. D. Eisendrath Tanning Co. 388,421; June 24; Serial No. 440,087; published Apr. 15, 1941.
Leather. Fred Rueping Leather Co. 388,475; June 24.
Molding-sand. Keener Sand and Clay Company. 146,784; renewed Sept. 20, 1941.
Sponge rubber. Dayton Rubber Manufacturing Company. 388,376; June 24; Serial No. 437,337; published Apr. 15, 1941.

CLASS 2

Bottle carrying cartons. O. Y. Warren. 388,491; June 24.
Burlap, jute, and cotton bags. H. Chesler. 146,711; renewed Sept. 20, 1941.
Casings, Artificial sausage. Visking Corporation. 388,425; June 24; Serial No. 440,107; published Apr. 15, 1941.
Containers. McCoy, Jones & Company. 388,457; June 24; Serial No. 440,726; published Apr. 15, 1941.
Cosmetic containers, Empty. Glemby Company. 388,487; June 24.
Device for dispensing an insecticide for the elimination of moths. E. J. Reefer. 142,103; renewed May 3, 1941.
Merchandise protectors. Visking Corporation. 388,424; June 24; Serial No. 440,106; published Apr. 15, 1941.
Merchandise protectors, Transparent. Visking Corporation. 388,423; June 24; Serial No. 440,105; published Apr. 15, 1941.

CLASS 4

Cleaning and scouring preparation in powdered form. Fitzpatrick Bros. 147,311; renewed Oct. 11, 1941.
Cleaning, cleansing, and detergent preparation. J. B. Ford Company. 388,373; June 24; Serial No. 436,428; published Apr. 15, 1941.
Grinding-wheels and abrasive stones. Norton Company. 142,644; renewed May 17, 1941.
Metal-polish. G. E. Bennett. 144,697; renewed July 19, 1941.
Soap. Fitzpatrick Bros. 147,312; renewed Oct. 11, 1941.

CLASS 5

Adhesive cement. W. H. Palmer. 388,368; June 24; Serial No. 432,695; published Apr. 15, 1941.
Adhesive cement. L. S. Richman. 388,367; June 24; Serial No. 428,331; published Apr. 15, 1941.
Adhesive tape. Smooth-On Manufacturing Company. 145,814; renewed Aug. 16, 1941.
Mucilage. Buxton & Skinner Printing and Stationery Company. 147,560; renewed Oct. 25, 1941.

CLASS 6

Antiseptic, germicidal, and anodyne oil. F. W. Clements. 147,083; renewed Oct. 4, 1941.
Chemical preparation for removing rust. Rusticide Company. 147,024; renewed Sept. 27, 1941.
Cosmetic. Max Factor & Co. 388,507; June 24.
Disinfectant, insecticide, and deodorizer. San Antonio Drug Company. 147,026; renewed Sept. 27, 1941.
Fly, insect, and germ destroyer. H. J. Smith. 147,169; renewed Oct. 4, 1941.
Medicinal preparation. Dill Company. 146,727; renewed Sept. 20, 1941.
Medicines for diseases of the kidneys and bladder. Boericke & Runyon Co. 145,931; renewed Aug. 23, 1941.
Mouth-wash and scalpe remedy, Antiseptic. Mulhens & Kropff, Incorporatied. 143,100; renewed May 24, 1941.
Preparation to improve the texture of the skin. M. de Botelho. 388,493; June 24.
Rheumatism medicine. Anti-Uric Company. 147,538; renewed Oct. 25, 1941.
Screw-worm preventive. C. C. Parker. 144,622; renewed July 12, 1941.
Soaps and shaving-soaps, Medicated. Mulhens & Kropff, Incorporated. 143,408; renewed May 31, 1941.
Toilet articles. May Department Stores Company. 388,483; June 24.
Toilet preparations. Mulhens & Kropff, Incorporated. 144,207; renewed June 28, 1941.
Water proofing compositions. W. B. Price. 145,995; renewed Aug. 23, 1941.

CLASS 7

Rope, cord, and twine. American Manufacturing Company. 142,412; renewed May 17, 1941.
Rope, cord, and twine. American Manufacturing Company. 142,414–15; renewed May 17, 1941.

CLASS 9

Matches. Jönköpings Och Vulcans Tandsticksfabriksaktiebolag. 388,369; June 24; Serial No. 434,119; published Apr. 15, 1941.

CLASS 10

Fertilizers, Artificial. Sewerage Commission of the City of Milwaukee. 388,429; June 24; Serial No. 440,270; published Apr. 15, 1941.

CLASS 11

Typewriter ribbons. McCrory Stores Corporation. 388,378; June 24; Serial No. 437,389; published Apr. 15, 1941.
Writing fluids. W. A. Sheaffer Pen Company. 142,760; renewed May 17, 1941.

CLASS 12

Roofing, Prepared. Heppes-Nelson Roofing Company. 144,580; renewed July 12, 1941.
Roofing sheets and shingles, Waterproof. Barber Asphalt Paving Company. 144,695; renewed July 19, 1941.
Substances used as a cement. Smooth-On Manufacturing Company. 146,877; renewed Sept. 20, 1941.

CLASS 13

Anchors, Expanding land. F. W. Aiken. 388,433; June 24; Serial No. 440,303; published Apr. 15, 1941.
Fluid conductors. Stackpole Carbon Company. 388,428; June 24; Serial No. 440,222; published Apr. 15, 1941.
Guy rods and earth anchors. A. B. Chance Company. 388,480; June 24.
Hollowware, Base metal cooking. Everedy Company. 388,401–2; June 24; Serial Nos. 439,336–7; published Apr. 15, 1941.
Hooks, drape hangers, hangers for pictures, and mirrors, Curtain. Emeloid Co. 388,465; June 24; Serial No. 440,810; published Apr. 15, 1941.
Rivets. H. A. Wilson Company. 147,434; renewed Oct. 11, 1941.
Screws, bolts, nails, etc., Metallic. American Screw Company. 20,253; re-renewed Oct. 27, 1941.
Sinks and sink tops, Cabinet. Elkay Manufacturing Co. 388,442; June 24; Serial No. 440,463; published Apr. 15, 1941.
Slide fasteners. F. Herbert. 388,406; June 24; Serial No. 439,545; published Apr. 15, 1941.
Slide fasteners, Separable. Crown Fastener Corporation. 388,463; June 24; Serial No. 440,804; published Apr. 15, 1941.
Wire cloth materials. Borg-Warner Corporation. 388,364; June 24; Serial No. 422,994; published Apr. 15, 1941.

CLASS 15

Oil for treatment of road-surfaces. Pure Oil Company. 146,338; renewed Sept. 6, 1941.

CLASS 16

Paint, Lettering. Klarion Merchandising Corporation. 388,420; June 24; Serial No. 440,127; published Apr. 15, 1941.
Paints and synthetic paint enamel, Ready-mixed. C. L. Rowe Corporation. 388,387; June 24; Serial No. 438,425; published Apr. 15, 1941.
Varnish. Cook Paint & Varnish Company. 147,574–6; renewed Oct. 25, 1941.
Varnishes. American Varnish Company. 20,262; re-renewed Oct. 27, 1941.

CLASS 17

Cigars. Arango y Arango. 388,379; June 24; Serial No. 437,498; published Apr. 15, 1941.
Tobacco, Pipe. S. Greenberg. 388,405; June 24; Serial No. 439,514; published Apr. 15, 1941.

CLASS 19

Motor-vehicles. Associated Equipment Company. 143,277; renewed May 31, 1941.

CLASS 21

Electrical conductors, Rubber-covered. Belden Manufacturing Company. 146,556; renewed Sept. 13, 1941.
Electrical transmitting and/or receiving devices. Bendix Aviation Corporation. 388,445; June 24; Serial No. 440,534; published Apr. 15, 1941.
Lamp-posts for electric lights, Metal. Union Metal Manufacturing Company. 144,957; renewed July 19, 1941.
Lamps for automobiles, Electric. K-D Lamp Company. 142,650; renewed May 17, 1941.
Magnet-wires. Belden Manufacturing Company. 146,555; renewed Sept. 13, 1941.
Sockets, socket assemblies, terminal or junction blocks, etc. Wade Electric Products Company. 388,404; June 24; Serial No. 439,508; published Apr. 15, 1941.
Storage batteries, Automobile. Lahrer Battery Production Corporation. 388,492; June 24.
Toasters, Electric. Rutenber Electric Co. 146,604; renewed Sept. 13, 1941.

CLASS 22

Game, Board. J. C. Barber. 388,467; June 24; Serial No. 440,904; published Apr. 15, 1941.
Game, Board. J. J. Davala. 388,471; June 24; Serial No. 441,235; published Apr. 15, 1941.
Toy cars. Stoehrer & Pratt Dodgem Corporation. 146,007; renewed Aug. 23, 1941.
Toy coin banks. Durable Toy & Novelty Corp. 388,453; June 24; Serial No. 440,646; published Apr. 15, 1941.
Toy easels. J. Pressman & Co. Inc. 388,473; June 24; Serial No. 441,289; published Apr. 15, 1941.

CLASS 23

Churns. Dazey Churn and Manufacturing Company. 147,298–9; renewed Oct. 11, 1941.
Flour sifters, dough mixers, loaf molders, etc. Peerless Bread Machinery Corporation. 388,501; June 24.
Forks, Paper. Sanitary Products Corporation of America. 142,746; renewed May 17, 1941.
Gasoline-engines. Sears, Roebuck and Co. 142,754; renewed May 17, 1941.
Gears. Borg-Warner Corporation. 388,479; June 24.
Hatchets, hammers, and axes. Illinois Malleable Iron Company. 388,451; June 24; Serial No. 440,594; published Apr. 15, 1941.
Machine tools. Potter & Johnston Machine Company. 388,498; June 24.
Machinery. Machinery Sales Co. 388,500; June 24
Tools. Stanley Works. 147,692; renewed Oct. 25, 1941.

CLASS 26

Cameras. Eye in the Sky. 388,435; June 24; Serial No. 440,325; published Apr. 15, 1941.
Indicators, Liquid level. Scully Signal Company. 388,439; June 24; Serial No. 440,388; published Apr. 15, 1941.
Ophthalmic supplies and optical instruments. American Optical Company. 141,840; renewed May 3, 1941.
Spectacles, eyeglasses, and parts thereof. American Optical Company. 388,450; June 24; Serial No. 440,574; published Apr. 15, 1941.
Testing instruments. Westinghouse Electric & Manufacturing Company. 388,390; June 24; Serial No. 438,522; published Apr. 15, 1941.
Thermometers. Taylor Instrument Companies. 388,407; June 24; Serial No. 439,639; published Apr. 15, 1941.

CLASS 27

Clocks and watches. General Time Instruments Corporation. 388,388; June 24; Serial No. 438,506; published Apr. 15, 1941.
Watches. Jules Klein & Joseph Muller, Inc. 388,410; June 24; Serial No. 439,777; published Apr. 15, 1941.

CLASS 28

Flat-ware, Silver-plated. International Silver Company. 147,780; renewed Nov. 1, 1941.
Jewels and synthetic and natural cut stones, Meter, watch, and industrial. H. D. Steel. 147,694; renewed Oct. 25, 1941.

CLASS 29

Paint brushes. Devoe & Raynolds Company. 388,497; June 24.
Toothbrushes. Insel Company. 388,476; June 24.
Tooth brushes. Owens Staple-Tied Brush Company. 388,370; June 24; Serial No. 435,806; published Apr. 15, 1941.
Tooth brushes. B. M. Silverman. 388,400; June 24; Serial No. 439,300; published Apr. 15, 1941.

CLASS 31

Coolers, Beer. Granko Corporation. 388,470; June 24; Serial No. 441,018; published Apr. 15, 1941.

CLASS 33

Plates, custard cups, covered casseroles, etc. Anchor Hocking Glass Corporation. 388,452; June 24; Serial No. 440,614; published Apr. 15, 1941.

CLASS 34

Fans, wall fans, blowers, etc., Portable cooling. W. L. Clayton. 388,403; June 24; Serial No. 439,408; published Apr. 15, 1941.
Stokers, Coal. Bituminous Coal Stokers Inc. 388,437; June 24; Serial No. 440,355; published Apr. 15, 1941.
Stoves, ranges, and furnaces burning coal, gas or wood. Philips & Clark Stove Co. 142,091; renewed May 3, 1941.
Stoves, Solid fuel burning camp. J. W. Hardison. 388,393; June 24; Serial No. 438,982; published Apr. 15, 1941.

CLASS 35

Hose and belting, Rubber. Dayton Rubber Manufacturing Company. 388,456; June 24; Serial No. 440,714; published Apr. 15, 1941.
Machine elements—namely, clutch facings, and brake linings. General Motors Corporation. 388,383; June 24; Serial No. 437,863; published Apr. 15, 1941.
Pump-valves. Stewart R. Browne Mfg. Co. 142,148; renewed May 3, 1941.
Sheet-packing. Smooth-On Manufacturing Company. 145,813; renewed Aug. 16, 1941.
Sheet-packing and gaskets made of vegetable fiber. Consolidated Packing & Supply Co. 142,251; renewed May 10, 1941.
Tires and parts thereof, Rubber. Dunlop Tire and Rubber Corporation of America. 146,728; renewed Sept. 20, 1941.
Tires and tubes, Automobile. Armstrong Rubber Company. 388,472; June 24; Serial No. 441,275; published Apr. 15, 1941.
Tires and tubes, Automobile and bicycle. Marshall-Wells Company. 388,474; June 24; Serial No. 441,401; published Apr. 15, 1941.
Tires and tubes, Pneumatic. Pharis Tire and Rubber Company. 388,506; June 24.
Tires, casings, and tubes, Rubber. Marathon Tire & Rubber Co. 144,859; renewed July 19, 1941.

CLASS 37

Binders for books, catalogs, and pamphlets. General Binding Corporation. 388,395; June 24; Serial No. 439,101; published Apr. 15, 1941.
Blackboard erasers. Beckley-Cardy Company. 388,481; June 24.

Check deposit books, passbooks, stationery, etc. R. E. Bauder. 388,380; June 24; Serial No. 437,640; published Apr. 15, 1941.
Paper. S. D. Warren Company. 388,486; June 24.
Paper, Coated. Consolidated Water Power & Paper Co. 388,396; June 24; Serial No. 439,194; published Apr. 15, 1941.
Pencils, Lead. American Lead Pencil Company. 143,530; renewed June 7, 1941.
Pencils, Lead. Wahl Company. 147,712; renewed Oct. 25, 1941.
Papers. H. B. Lounsbury. 144,835; renewed July 19, 1941.
Papers, White, colored, and waxed tissue. Crystal Tissue Co. 147,765; renewed Nov. 1, 1941.
Pens. C. Howard Hunt Pen Company. 388,482; June 24.
Writing-paper. Whiting Paper Company. 20,260; re-renewed Oct. 27, 1941.

CLASS 38

Art-calendars, greeting-cards, and mottoes. Brown & Bigelow. 147,758; renewed Nov. 1, 1941.
Instruction sheets or charts for dressmakers' patterns. Butterick Publishing Company. 142,952; renewed May 24, 1941.
Periodical. International Correspondence Schools. 147,341; renewed Oct. 11, 1941.
Publication, Periodical. McGraw-Hill Company. 147,636; renewed Oct. 25, 1941.

CLASS 39

Clothing. Hausman, Newman & Miller, Inc. 388,499; June 24.
Clothing. William Hollins & Company. 146,578; renewed Sept. 13, 1941.
Clothing. Bernhard Ullmann Co. Inc. 147,421; renewed Oct. 11, 1941.
Clothing, Men's. Roger Kent, Inc. 388,505; June 24.
Corsets, girdles, and foundation garments. I. B. Kleinert Rubber Company. 388,440; June 24; Serial No. 440,417; published Apr. 15, 1941.
Girdles, corsets, and brassières, etc. Artistic Foundations, Inc. 388,454; June 24; Serial No. 440,670; published Apr. 15, 1941.
Heels and soles. Cat's Paw Rubber Company. 388,441; June 24; Serial No. 440,441; published Apr. 15, 1941.
Heels and soles, Rubber. Cat's Paw Rubber Company. 388,444; June 24; Serial No. 440,488; published Apr. 15, 1941.
Hosiery. Chipman Knitting Mills. 142,958; renewed May 24, 1941.
Hosiery. A. V. Victorius & Company. 142,163; renewed May 3, 1941.
Pajamas for men. Enro Shirt Company. 388,488; June 24.
Panties, step-ins, slips, etc. Krumholz & Lichtblau. 388,427; June 24; Serial No. 440,128; published Apr. 15, 1941.
Shirts. Enro Shirt Company. 388,480; June 24.
Shirts for men, Sport. Enro Shirt Company. 388,490; June 24.
Shirts, pajamas, underwear, etc. Phillips-Jones Corporation. 388,438; June 24; Serial No. 440,379; published Apr. 15, 1941.
Shoes. S. S. Kresge. 388,477; June 24.
Shoes. I. Miller & Sons, Inc. 388,448; June 24; Serial No. 440,561; published Apr. 15, 1941.
Shoes. Paramount Shoe Manufacturing Company. 388,377; June 24; Serial No. 437,350; published Apr. 15, 1941.
Shoes. Rope Soles, Inc. 388,394; June 24; Serial No. 439,057; published Apr. 15, 1941.
Shoes. United Drug Company. 146,382; renewed Sept. 6, 1941.
Shoes, dresses, coats, etc. Lansburgh & Bro. 388,412–13; June 24; Serial Nos. 439,936–7; published Apr. 15, 1941.
Shoes, shirts, pajamas, etc. Lansburgh & Bro. 388,414–15; June 24; Serial Nos. 439,938–9; published Apr. 15, 1941.
Slips, petticoats, bloomers, etc. Luxuray, Inc. 388,436; June 24; Serial No. 440,337; published Apr. 15, 1941.
Socks or under socks, Low. Richard Paul, Inc. 388,366; June 24; Serial No. 428,170; published Apr. 15, 1941.
Suits, jackets, coats, etc. C. Creed. 388,504; June 24.
Suits, overcoats, top-coats, etc. Blankson Clothes, Inc. 388,434; June 24; Serial No. 440,312; published Apr. 15, 1941.
Suits, topcoats, and overcoats. Michaels, Stern & Company. 388,496; June 24.
Underwear. Allen A Company. 388,508; June 24.

CLASS 40

Artificial flowers. Burros & Burros, Inc. 388,420; June 24; Serial No. 440,038; published Apr. 15, 1941.
Hairpins and bobby pins. Scolding Locks Corporation. 388,382; June 24; Serial No. 437,837; published Apr. 15, 1941.
Safety pin set. C. W. Johnston. 388,381; June 24; Serial No. 437,774; published Apr. 15, 1941.
Safety pins. Sears, Roebuck and Co. 142,330; renewed May 10, 1941.
Tape employed by garment cleaners. P. C. Bowen. 388,485; June 24.

CLASS 42

Blankets. F. C. Huyck & Sons. 388,460–1; June 24; Serial Nos. 440,782–3; published Apr. 15, 1941.
Fabrics in the piece. Brainerd & Armstrong Company. 145,047; renewed July 26, 1941.
Fabrics in the piece. Crown Fabrics Corporation. 388,502; June 24.
Fabrics in the piece. David Crystal, Inc. 388,468; June 24; Serial No. 440,919; published Apr. 15, 1941.
Fabrics in the piece, Knitted and woven. Draper Brothers Company. 388,484; June 24.
Goods in the piece, Woolen. Stonekirk Worsted Company. 388,469; June 24; Serial No. 440,966; published Apr. 15, 1941.
Piece goods. Alpren Levinthal Corp. 388,459; June 24; Serial No. 440,767; published Apr. 15, 1941.
Piece goods. Amalgamated Textiles Limited. 388,449; June 24; Serial No. 440,508; published Apr. 15, 1941.
Piece goods. Cohn-Hall-Marx Co. 388,462; June 24; Serial No. 440,801; published Apr. 15, 1941.
Piece goods. Dodgeville Finishing Co. 388,494; June 24.
Piece goods. Eastman Kodak Company. 388,464; June 24; Serial No. 440,809; published Apr. 15, 1941.
Piece goods. Schaffran & Landa, Inc. 388,466; June 24; Serial No. 440,883; published Apr. 15, 1941.
Piece goods, Cotton. Pacific Mills. 145,770; renewed Aug. 16, 1941.
Piece goods, Cotton. Pacific Mills. 146,126; renewed Aug. 30, 1941.
Piece goods, Pure-silk. William Hollins & Co. 141,141; renewed Apr. 12, 1941.
Quilted crib pads, muslin crib sheets, blankets, etc. Allied Stores Corporation. 388,372; June 24; Serial No. 436,160; published Apr. 15, 1941.
Satin in the piece. Jacob Miller Sons Co. 140,647; re-renewed Mar. 22, 1941.

CLASS 44

Dental crowns. Nu-Dent Porcelain Studio, Inc. 388,409; June 24; Serial No. 439,725; published Apr. 15, 1941.
Electrotherapeutic instruments. Radio Electric Corporation. 388,478; June 24.

CLASS 45

Beverage and syrups, extracts, and concentrates for making the same, Maltless. Hudor Co. 388,443; June 24; Serial No. 440,466; published Apr. 15, 1941.
Nonalcoholic beverages. Kamm Co. 143,057; renewed May 24, 1941.
Root-beer and ginger-ale. H. B. Hunter Company. 142,278; renewed May 10, 1941.
Syrups. H. B. Hunter Company. 142,279; renewed May 10, 1941.

CLASS 46

Articles for baking purposes. Ireks Aktiengesellschaft Kulmbach. 388,385; June 24; Serial No. 438,243; published Apr. 15, 1941.
Candies and ice cream. Simmons & Hammond Manufacturing Company. 143,471; renewed May 31, 1941.
Candy. Bradas & Gheens, Inc. 388,392; June 24; Serial No. 438,860; published Apr. 15, 1941.
Candy. G. W. Chase & Son Mer. Co. 147,564; renewed Oct. 25, 1941.
Candy. De Met and Company. 146,210; renewed Sept. 6, 1941.
Candy. C. E. Voogt Candy Co. 388,384; June 24; Serial No. 437,980; published Apr. 15, 1941.
Canned citrus fruit juices. Meyer Canning Co. 388,389; June 24; Serial No. 438,511; published Apr. 15, 1941.
Canned fruit juices. Shields Foods, Inc. 388,391; June 24, 1941; Serial No. 438,815; published Apr. 15, 1941.
Canned fruits and vegetables. H. A. Baker, Inc. 142,926; renewed May 24, 1941.
Canned fruits, canned vegetables, and olives. Sylmar Packing Corp. 388,386; June 24; Serial No. 438,419; published Apr. 15, 1941.
Canned fruits, canned vegetables, canned fruit cocktail. G. R. Barth Co. 388,365; June 24; Serial No. 424,533; published Dec. 24, 1940.
Canned tomatoes and canned citrus fruits and juices. E. E. Edenfield. 388,375; June 24; Serial No. 437,275; published Mar. 18, 1941.
Canned vegetables and canned corn meal mush. Streator Canning Company. 388,374; June 24; Serial No. 437,158; published Apr. 15, 1941.
Canned vegetables and canned fruit juice. Quality Products, Inc. 388,398; June 24; Serial No. 439,254; published Apr. 15, 1941.
Canned vegetables and canned tomato juice. Oconomowoc Canning Co. 388,363; June 24; Serial No. 405,368; published July 12, 1938.
Cheese food mixture, Pasteurized. Borden Company. 388,446; June 24; Serial No. 440,539; published Apr. 15, 1941.
Confections, chocolate milk, etc., Stabilizer for frozen. McLean Products, Inc. 388,416–17; June 24; Serial Nos. 439,941–2; published Apr. 15, 1941.
Flour, Wheat. Pillsbury Flour Mills Company. 388,418; June 24; Serial No. 439,975; published Apr. 15, 1941.
Fruits, Fresh citrus. Chester C. Fosgate Co. 147,602; renewed Oct. 25, 1941.
Fruits, Fresh citrus. Lake Hamilton Citrus Growers Association. 145,712; renewed Aug. 16, 1941.

Fruits, Fresh citrus. Homet Mutual Groves. 388,447; June 24; Serial No. 440,555; published Apr. 15, 1941.
Gum, Chewing. Dietz Gum Co. of Chicago. 388,419; June 24; Serial No. 439,996; published Apr. 15, 1941.
Gum, Chewing. P. Fischer. 388,495; June 24.
Ham. Ampol Inc. 388,411; June 24; Serial No. 439,021; published Apr. 15, 1941.
Ice cream. Borden Company. 388,455; June 24; Serial No. 440,712; published Apr. 15, 1941.
Ice cream powder. O. J. Weeks Co. 388,503; June 24.
Ingredient used in manufacture of bread and other kinds of baked foods. Ward Baking Company. 147,826; renewed Nov. 1, 1941.
Pancake mix, Potato. Kitchen Kraft Foods Corporation. 388,397; June 24; Serial No. 439,230; published Apr. 15, 1941.
Peanuts in the shell. Franklin Peanut Company. 147,603; renewed Oct. 25, 1941.
Sugar. Corn Products Refining Company. 147,577; renewed Oct. 25, 1941.
Syrups for food products, canned fruits, bouillons, etc. H. B. Hunter Company. 143,648; renewed June 7, 1941.
Vegetables. H. Y. Sasaki. 388,458; June 24; Serial No. 440,734; published Apr. 15, 1941.
Yeast, Dry. Standard Brands Incorporated. 388,362; June 24; Serial No. 403,526; published Apr. 15, 1941.

CLASS 47

Wines. Achaia-Clauss Wine Company. 388,408; June 24; Serial No. 439,645; published Apr. 15, 1941.
Wines. Southland Wine Corporation. 388,430–2; June 24; Serial Nos. 440,295–7; published Apr. 15, 1941.

CLASS 48

Beverages, malt extracts, malt syrups, etc. Val Blatz Brewing Company. 145,611; renewed Aug. 16, 1941.
Beverages, malt extracts, malt syrups, etc. Val Blatz Brewing Company. 145,846; renewed Aug. 16, 1941.

CLASS 50

Fibrous sheet material. Homasote Company. 388,371; June 24; Serial No. 435,905; published Apr. 15, 1941.
Garment hangers. Products, Inc. 388,399; June 24; Serial No. 439,295; published Apr. 15, 1941.
Wooden signs used as road-markers. F. W. Hockaday. 141,385; renewed Apr. 19, 1941.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF JUNE, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Alexander, Donald F., C. F. Henny, and C. L. Paulus, assignors to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. Re. 21,837; June 24.

Buckley, John P., assignor of one-half to B. J. Chromy, Washington, D. C. Aeronautical device. Re. 21,838; June 24.

Chromy, Ben J. (See Buckley, John P., assignor.)

Farrington, John F., Tilton, N. H., assignor to Hazeltine Corporation. Frequency converter. Re. 21,839; June 24.

General Motors Corporation. (See Alexander, D. F., Henny, and Paulus, assignors.)

General Motors Corporation. (See Vetter, J. M., assignor.)

Gesner, Harry M. (See Northrop, J. K., and Gesner.)

Hazeltine Corporation. (See Farrington, John F., assignor.)

Henny, Charles F. (See Alexander, D. F., Henny, and Paulus.)

Hoover Company, The. (See White, Harry B., assignor.)

Kolbe, Joachim, Detroit, Mich. Motor vehicle. Re. 21,840; June 24.

Metzner, Albert W. (See Sherman, J. Q., and Metzner.)

Northrop, John K., Los Angeles County, and H. M. Gesner, Santa Monica, Calif. Anchor. Re. 21,841; June 24.

Paulus, Charles L. (See Alexander, D. F., Henny, and Paulus.)

Serrell, John J. (See Smith, R. A., and Serrell.)

Sherman, John Q., and A. W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman; K. M. and W. C. Sherman and W. B. Turner, executors of said J. Q. Sherman, deceased. Platen roll for writing machines. Re. 21,842; June 24.

Sherman, Katherine M., et al., executors. (See Sherman, J. Q., and Metzner.)

Sherman, William C., et al., executors. (See Sherman, J. Q., and Metzner.)

Smith, Robert A., Mahwah, and J. J. Serrell, deceased, Elizabeth, N. J., by R. A. Smith, assignee. Flexible coupling. Re. 21,843; June 24.

Turner, Wellmore B., et al., executors. (See Sherman, J. Q., and Metzner.)

Vetter, Johan M., The Hague, Netherlands, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Automatic change speed gear mechanism. Re. 21,844; June 24.

Weinlich, Rudolph, Brooklyn, N. Y. Swatch. Re. 21,845; June 24.

White, Harry B., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. Re. 21,846; June 24.

LIST OF PLANT PATENTEES

Clapp & Clapp. (See Ragin, Robert L.)

Clapp, George W. (See Ragin, Robert L., assignor.)

Kordes, Wilhelm, Holstein, Germany, assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 475; June 24.

Ragin, Robert L., Shiloh, assignor to G. W. Clapp, doing business as Clapp & Clapp, Orlando, Fla. Seedless pineapple orange. 477; June 24.

Weschcke, Carl, St. Paul, Minn. Apricot. 476; June 24

LIST OF DESIGN PATENTEES

Abend, Pearl C., New York, N. Y. Dress. 127,940; June 24.

Abrams, Miriam, New York, N. Y. Dress. 127,941; June 24.

Baer, Max, New York, N. Y. Muff. 127,935; June 24.

Baer, Max, New York, N. Y. Muff. 127,936; June 24.

Baggaley, Robert P., Paterson, N. J. Textile fabric. 127,897; June 24.

Beeskow, Albert. (See McGann, A. J., and Beeskow.)

Behr, Siegfried, Flushing, assignor to Ben Hur Products, Inc., New York, N. Y. Barrette. 127,898; June 24.

Ben Hur Products, Inc. (See Behr, Siegfried, assignor.)

Bennett, Vivian, assignor to McLaughlin & Wallenstein, Chicago, Ill. Novelty doll. 127,899; June 24.

Block, Oscar L., Chicago, Ill. Serving bar. 127,900; June 24.

Bulldog Electric Products Company. (See Frank, William H., assignor.)

Burton, Edward F., Los Angeles, and C. C. Wood, assignors to Douglas Aircraft Company, Incorporated, Santa Monica, Calif. Airplane. 129,919; June 24.

Capehart, Homer E. See Collison, Edward E., assignor.)

Capellazzi, Gildo, Brooklyn, N. Y. Brooch or similar article. 127,901; June 24.

Carlson, Roy A., Bay Village, Ohio. Drawing table. 127,920; June 24.

Chernow, Michael, New York, N. Y. Face plate for article of jewelry. 127,880; June 24.

Chernow, Michael, New York, N. Y. Monogram plate for jewelry. 127,902; June 24.

Cohen, Harry, New York, N. Y. Belt or similar article. 127,938; June 24.

Cohn & Rosenberger Inc. (See Katz, Adolph, assignor.)

Collison, Edward E., Indianapolis, Ind., assignor to H. E. Capehart, Washington, D. C. Speaker casing. 127,937; June 24.

Crone, George W. (See Landrigan, J. F. X., and Crone.)

Cummings, Israel, New York, N. Y. Textile fabric. 127,929; June 24.

Cusumano, Frank, Brooklyn, N. Y. Brooch or similar article. 127,903; June 24.

De Reamer, William J., Crown Point, assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind. Packing pad for cans and similar containers. 127,904; June 24.

De Vore, Rodney W. (See Jackson, J. O., and De Vore.)

Douglas Aircraft Company. (See Burton, E. F., and Wood, assignors.)

Duvalet, Maurice, New York, N. Y. Ring. 127,930; June 24.

Ellis, Ernest M., Portland, Oreg. Building. 127,905; June 24.

Faunce, James F., Akron, Ohio. Sandwich grill. 127,906; June 24.

Frank, William H., assignor to Bulldog Electric Products Company, Detroit, Mich. Combined switch casing and handle. 127,921; June 24.

Fredriksson, Joe A., San Francisco, Calif. Game board. 127,907; June 24.

Freygang, Walter H., Essex Fells, assignor to Specialties Development Corporation, Bloomfield, N. J. Wheeled fire extinguisher. 127,922; June 24.

Garrison, Verne, Lamar, Mo. Bag rack. 127,887; June 24.

Gedris, Stanley J., Grand Rapids, Mich. Chair. 127,888; June 24.

Harbauer Company, The. (See Wilson, Ben H., assignor.)

Harman, Emil I., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Phonograph tone arm. 127,923; June 24.

Hobgood, Margaret, New York, N. Y. Dress ensemble. 127,942; June 24.

Hollander, Joseph, Baton Rouge, La. Souvenir tea bell. 127,908. June 24.

Hygrade Sylvania Corporation. (See Scribner, Kenneth R., assignor.)

Jackson, James O., Crafton, and R. W. De Vore, West View, assignors to Pittsburgh Des Moines Company, Pittsburgh, Pa. Elevated tank. 127,881; June 24.

Jackson, James O., Crafton, and R. W. De Vore, West View, assignors to Pittsburgh Des Moines Company, Pittsburgh, Pa. Elevated tank. 127,882; June 24.

Johnston, George B., Glendale, Ohio, assignor to The Philip Carey Manufacturing Company. Weather surfacing strip or similar article. 127,883; June 24.

Jordan, Robert M., Barrington, R. I. Brooch. 127,889; June 24.

Katz, Adolph, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y. Brooch or similar article. 127,909; June 24.

Kaufman, Stella B., New York, N. Y. Suit. 127,943; June 24.
Landau, Sam, New York, N. Y. Embroidered fabric. 127,956; June 24.
Landrigan, John F. X., Bayonne, and G. W. Crone, Jersey City, assignors to New Jersey State Council of the Knights of Columbus, Bayonne, N. J. Medal. 127,884; June 24.
Lewis, David, New York, N. Y. Handbag. 127,931; June 24.
Lewis, David, New York, N. Y. Handbag. 127,932; June 24.
Lewis, David, New York, N. Y. Handbag. 127,933; June 24.
Lewis, David, New York, N. Y. Handbag. 127,934; June 24.
Lewis, David, New York, N. Y. Handbag. 127,957; June 24.
Mandelker, Doris, Great Neck, L. I., N. Y. Combination street dress and evening dress. 127,959; June 24.
Mapes Consolidated Manufacturing Company. (See De Reamer, William J., assignor.)
Markel Electric Products, Inc. (See Ohm, Albert J D., assignor.)
McCardell, Claire, New York, N. Y. Coat. 127,958; June 24.
McGann, Andrew J., New York, and A. Beeskow, Brooklyn, assignors to Tropical Chair Co., Inc., New York, N. Y. Footrest for a beach chair or similar article. 127,910; June 24.
McLaughlin & Wallenstein. See Bennett, Vivian, assignor.)
Monedero, Ramiro, San Salvador, El Salvador. Badge or the like. 127,885; June 24.
Nadel, Ottilie C., New York, N. Y. Dress ensemble. 127,944; June 24.
Nadel, Ottilie C., New York, N. Y. Dress ensemble. 127,945; June 24.
Nerlinugen, Abner H. (See Williams, Calvin D., assignor.)
New Jersey State Council of the Knights of Columbus. (See Landrigan, J. F. X., and Crone, assignors.)
Norbut, Edward R., Newark, N. J. Coin holder. 127,911; June 24.
Ogle, Alfred L., Lincoln, Nebr. Bottle. 127,912 June 24.
Ohm, Albert J. D., assignor to Markel Electric Products Inc., Buffalo, N. Y. Electric lighting fixture. 127,890; June 24.
Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric lighting fixture. 127,891; June 24.
Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Electric lighting fixture. 127,892; June 24.
Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Bowl for electric lighting fixtures. 127,893; June 24.
Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Bowl fo relectric lighting fixtures. 127,894; June 24.
Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Diffuser for a fluorescent tube fixture. 127,895; June 24.
Ohm, Albert J. D., assignor to Markel Electric Products, Inc., Buffalo, N. Y. Diffuser for fluorescent tube fixeure. 127,896; June 24.
Pavel, Walter L., Chicago, Ill. Brooch or similar article. 127,886; June 24.
Philco Radio and Television Corporation. (See Harman, Emil I., assignor.)
Philip Carey Manufacturing Company. (See Johnston, George B., assignor.)
Pittsburgh Des Moines Company. (See Jackson, J. O. and De Vore, assignors.)
Richman, Sol, New York, N. Y. Coat. 127,960; June 24.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Cabinet for sound reproducing apparatus. 127,924; June 24.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Casing for sound apparatus. 127,946; June 24.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Casing for sound apparatus. 127,947; June 24.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Casing for sound apparatus. 127,948; June 24.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Casing for sound apparatus. 127,949; June 24.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Casing for sound apparatus. 127,950; June 24.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Casing for sound apparatus. 127,951; June 24.
Rockola, David C., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Cabinet for sound reproducing apparatus. 127,952; June 24.
Rock-Ola Manufacturing Corporation. (See Rockola, David C., assignor.)
Rosenstein, Charles, Paterson, N. J. Textile fabric or similar article. 127,913; June 24.
Ross, Will, Inc. (See Wellman, Benjamin, assignor.)
Scott, Wilmot H., St. Louis, Mo. Bench. 127,925; June 24.
Scribner, Kenneth R., Ispwich, assignor to Hygrade Sylvania Corporation, Salem, Mass. Fluorescent lamp fixture. 217,914; June 24.
Simmons, Edward N., Chicago, Ill. Fabric patch mending device. 127,926; June 24.
Simons, Albert L., Southbridge, Mass. Foot-operated switch. 127,927; June 24.
Singer, Jack, New York, N. Y. Belt or similar article. 127,939; June 24.
Specialties Development Corporation. (See Freygang, Walter H., assignor.)
Torris, Alice, New York, N. Y. Dress. 127,953; June 24.
Tropical Chair Co. (See McGann, A. J., and Beeskow, assignors.)
Weller, Elyert J., Jr., Milwaukee, Wis. Velocipede. 127,915; June 24.
Wellman, Benjamin, assignor to Will Ross, Inc., Milwaukee, Wis. Portable adjustable screen. 127,928; June 24.
Whitfield, Hampton B., Cleveland, Ohio. Housemaid's dolly. 127,916; June 24.
Williams, Calvin D., Cloquet, assignor of one-half to A. H. Nerhaugen, Duluth, Minn. Cribbage board. 127,917; June 24.
Wilson, Ben H., assignor to The Harbauer Company, Toledo, Ohio. Bottle. 127,918; June 24.
Wood, Carlos C. (See Burton, E. F., and Wood.)
Wuerth, Minna, New York, N. Y. Dress. 127,954; June 24.
Zanft, Hattie C., Red Bank, N. J. Dress. 127,955; June 24.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF JUNE, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abegg, Walter A. (See Reynolds, J. F., and Abegg.)
Abell, Harold Q., Stockdale, Kans. Ruling instrument. 2,246,491; June 24.
Abercrombie, James S., assignor to Abercrombie Pump Company, Houston, Tex. Pump. 2,246,772; June 24.
Abercrombie, James S., and H. Allen, Houston, Tex., assignors to Cameron Iron Works. Plastic packing stuffing box. 2,246,565; June 24.
Abercrombie Pump Company. (See Abercrombie, James S., assignor.)
Ackerman, David V., San Francisco, Calif., assignor of one-half to H. H. Cloutier, Seattle, Wash. Power hammer. 2,246,612; June 24.
Acme Visible Records, Inc. (See Hall, Marchand B., assignor.)
Adams, Arthur T., Oak Park, Ill. Paint brush structure. 2,246,773; June 24.
Adney, Adrian P., assinor to American-Marsh Pumps, Inc., Battle Creek, Mich. High speed clutch. 2,246,774; June 24.
Aktiebolaget Berh, Arehns Mekaniska Verkstad. (See Örström, Gustaf, assignor.)
Aldridge, Cora, executrix. (See Aldridge, Lee, assignor.)
Aldridge, Lee, deceased, by C. Aldridge, executrix, assignor to C. Aldridge, Tulsa, Okla., legatee. Hub for bicycle and other wheels. 2,246,492; June 24.
Alessi, Joseph H., La Crescenta, and S. C. Lee, assignors of twenty-five per cent to said Lee, ten per cent to L. G. Cloud, and ten per cent to W. R. Cloud, Glendale, five per cent to L. L. Lovelace, Van Nuys, fifty per cent to G. L. Morris, Beverly Hills, and K. Ellsworth, Los Angeles, Calif. Safety pin. 2,246,495; June 24.
Allen, Herbert. (See Abercrombie, J. S., and Allen.)
Allen, Herbert, assignor to Cameron Iron Works, Houston, Tex. Blowout preventer. 2,246,709; June 24.
Altorfer, Alpheus W., Peoria, Ill. Safety wringer feed device. 2,246,829; June 24.
Altorfer Bros. Company. (See Castricone, John A., assignor.)
American Abrasive Metals Company. (See Sayre, William H., assignor.)
American Bosch Corporation. (See Schwarzmann, Wolfgang E., assignor.)
American Brake Shoe and Foundry Company, The. (See Ratkowski, Thomas A., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Can Company. (See Peters, John F., assignor.)
American Chain & Cable Company. (See Paddock, Raymond E., assignor.)
American District Telegraph Company, The. (See Lindsay, M. H. A., and Woloschak, assignors.)
American Enka Corporation. (See Schilthuis, J. J., and Hubbeling, assignors.)
American Lurgi Corporation. (See Herbert, Wilhelm, assignor.)
American Machine & Foundry Company. (See Craggs, Ross V., assignor.)
American-Marsh Pumps, Inc. (See Adney, Adrian P., assignor.)
American Optical Company. (See Cozzens, Charles O., assignor.)
American Rayon Company. (See Furness, William H., assignor.)
American Rock Wool Corporation. (See Drill, Daniel C., assignor.)
American Safety Razor Corporation. (See Dalkowitz, Godfrey, assignor.)
American Sales Book Company. (See Graham, Francis S., assignor.)
American Seating Company. (See Nordmark, Henry P., assignor.)
American Securit Company. (See Despert, Georges P., assignor.)
American Steel Foundries. (See Oelkers, Alfred H., assignor.)
American Window Glass Company. (See Bishop, Frederic L., Jr., assignor.)
Ames, James G., and N. C. Penfold, assignors to Autogas Corporation, Chicago, Ill. Heating system. 2,246,566; June 24.
Amiot, Félix, Neuilly-sur-Seine, France. Aerial navagation machine of the airplane type. 2,246,493; June 24.
Amiot, Félix, Neuilly-sur-Seine, France. Assembling elements by riveting. 2,246,494; June 24.
Amtsberg, Lester A., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Overbalanced governor. 2,246,910; June 24.
Anderson, Allen O., Chicago, Ill. Pneumatic tire valve. 2,246,775; June 24.
Anderson, George B., Evanston, Ill. Container. 2,247,341; June 24.
Anderson, Helmer, Minneapolis, Minn., assignor to General Mills, Inc. Glue applicator. 2,247,110; June 24.
Anderson, John E. (See Martin, E., and Anderson.)
Anderson, William W. (See Monson, L. T., and Anderson.)
Andersson, Sven W. E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,246,653; June 24.
Anscott, William, Woodhaven, N. Y., and O. E. Esval, Allendale, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyroscope caging and erecting means. 2,247,142; June 24.
Antrim, Louis C., New York, N. Y., assignor to Autographic Register Company, Hoboken, N. J. Typewriting machine. 2,246,968; June 24.
Antrim, Louis C., New York, N. Y., assignor to Autographic Register Company, Hoboken, N. J. Typewriting machine. 2,246,969; June 24.
Appleman, Charles H., Brooklyn, N. Y. Apparatus for the manufacture of decorative material. 2,246,776; June 24.
Aqua Systems Inc. (See Peter, William J., assignor.)
Arey, Ralph G., Swampscott, Mass., assignor to General Electric Company. Tuning instrument. 2,247,076; June 24.
Armstrong Cork Company. (See Grau, Harry F., assignor.)
Armstrong Paint & Varnish Works. (See Ubben, R. T., and Price, assignors.)
Arndt, Franklin E., Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Road grader. 2,247,007; June 24.
Arveson, Maurice H., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Hydrocarbon conversion system. 2,246,654; June 24.
Asbury, George F., assignor to O. Knight, as trustee for himself, O. G. Lindberg, and Knight Brothers, New York, N. Y. Direction-finding arrangement. 2,246,496; June 24.
Ashbacker, Karl L., Ludington, Mich. Seat back. 2,247,269; June 24.
Askania-Werke A. G. (See Krüssman, Adolf, assignor.)
Askania-Werke A. G. (See Heinisch, Paul, assignor.)
Askania-Werke A. G. (See Lesser, Otto, assignor.)
Assmus, Friedrich, assignor to F. Hellige & Co., Freiburg, Breisgau, Germany. Optical testing apparatus for liquids. 2,247,008; June 24.
Associated Electric Laboratories, Inc. (See Lomax, Clarence E., assignor.)
Associated Electric Laboratories, Inc. (See Lomax, C. E., and Grandstaff, assignors.)
Associated Electric Laboratories, Inc. (See Morton, Floyd, assignor.)
Associated Spring Corporation. (See Troendly, H. P., assignor, Rumsey, and Bohm.)
Austin, George M., et al. (See Seney, James C., assignor.)
Autocar Company, The. (See Bachman, B. B., and Macklin, assignors.)
Autogas Corporation. (See Ames, J. G., and Penfold, assignors.)
Autogiro Company of America. (See Ellis, George B. L., assignor.)
Autogiro Company of America. (See Pitcairn, Harold F., assignor.)
Autographic Register Company. (See Antrim, Louis C., assignor.)
Automatic Devices Corporation. (See Lehmann, Herbert G., assignor.)
Averill, Jesse D., Ajo, Ariz. Safety axle snubber 2,247,009; June 24.
Babin, Joseph, Paulina, assignor of one-third to S. Martin, Lutcher, La. Wheel mounting. 2,246,710; June 24.
Bachman, Benjamin B., Philadelphia, and D. J. Macklin, Bala Cynwyd, assignors to The Autocar Company, Ardmore, Pa. Motor vehicle construction. 2,246,830; June 24.
Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tape splicer. 2,246,655; June 24.
Badertscher, Darwin E. (See Berger, H. G., Badertscher, and Seger.)
Bagnato, Vito, Woodside, N. Y. Air conditioned garment. 2,247,180; June 24.
Bagpak, Inc. (See Baker, Webster N., assignor.)

Bahan Textile Machinery Company. (See O'Shields, William T., assignor.)
Bahan, William H., Greenville, S. C. Let-off mechanism. 2,246,656; June 24.
Bahan, William H., Greenville, S. C. Warp tensioning device. 2,246,657; June 24.
Bahan, William H., Greenville, S. C. Whip roll stand bracket. 2,246,658; June 24.
Bailey, Dana H., Prescott, Wis., assignor to The Pfaudler Co., Rochester, N. Y. Dialysis method and apparatus. 2,247,143; June 24.
Bair, George J., Pittsburgh, assignor to N. S. Garbisch, Butler, Pa. Siliceous body. 2,247,270; June 24.
Baker, Goodwin G., et al. (See Carver, Charles J., assignor.)
Baker, Webster N., Baldwin, assignor to Bagpak, Inc., New York, N. Y. Siftproof bag. 2,246,911; June 24.
Balaban, Alexander. (See Wheelan, R. B., and Balaban.)
Balch, Gerald G., Pittsburgh, Pa. Method of and means for introducing edible semisolids to ice cream. 2,246,871; June 24.
Baldwin, Delavan M., Campbell, Va. Vessel loading and unloading mechanism. 2,247,144; June 24.
Baldwin, Delavan M., New Canaan, Conn. Vessel for the transport of vehicles. 2,247,145; June 24.
Baldwin, Delavan M., New Canaan, Conn. Vessel for the transport of vehicles. 2,247,146; June 24.
Ballard, Randall C., Audubon, N. J., assignor to Radio Corporation of America. Separating circuit. 2,246,659; June 24.
Barber Coleman Company. (See Stewart, D. J., and Drake, assignors.)
Barlow, Richard, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Screen and means for preventing blinding thereof. 2,247,271; June 24.
Barnes & Jones, Incorporated. (See Jones, W. T., and Connelly, assignors.)
Barrett, George J., and S. Robichaux, Houston, Tex. Cutting tool. 2,246,711; June 24.
Barth, Edwin J., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Lubricant. 2,246,712; June 24.
Barth, Elmer J. (See Peterson, C. D., and Barth.)
Batchelor, John C., Hastings-on-Hudson, N. Y. Image reproducer. 2,247,112; June 24.
Batchelor, John C., Hastings-on-Hudson, and F. A. Lindley, Jr., Lynbrook, N. Y.; said Lindley assignor to said Batchelor. Acoustical projectile. 2,247,111; June 24.
Baudry, René A., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Gland seal for rotating shafts. 2,246,912; June 24.
Bayerische Motoren Werke Aktiengesellschaft. (See Löhner, Kurt, assignor.)
Bayerische Motoren Werke Aktiengesellschaft. (See Löhner, Kurt, assignor.)
Bawtenheimer, Reginald B., Sarnia, Ontario, Canada. Cornerpiece and forming the same. 2,246,600; June 24.
Beardsley, Elmer O., and W. E. Naylor, assignors to The Beardsley & Piper Company, Chicago, Ill. Mulling apparatus. 2,246,991; June 24.
Beardsley & Piper Company, The. (See Beardsley, E. O., and Naylor, assignors.)
Beaune, Serge V., assignor to Société des Procédés Serge Beaune, Creteil, Seine, France. Method and apparatus for manufacturing thin gelatinous coatings. 2,246,872; June 24.
Beccio, Giuseppe, assignor to Firm Ing. C. Olivetti & C., S. A., Ivrea, Italy. Start-stop code transmitter. 2,247,162; June 24.
Becher, Harold, Brookln, N. Y. Fur muffler. 2,247,272; June 24.
Bechik, Michael, St. Paul, Minn. Mattress handle. 2,246,831; June 24.
Beck, Richard E. (See Deltz, George, assignor.)
Beck, William J., New York, N. Y. Vibrating apparatus. 2,246,497; June 24.
Becker, Bernard C., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,246,832; June 24.
Becker, Karl. (See Piranl, M., Ewest, and Becker.)
Beemer, Paul K., Inglewood, Calif., assignor to Chrysler Corporation, Highland Park, Mich. Vehicle steering mechanism. 2,246,833; June 24.
Bell Telephone Laboratories, Incorporated. (See Bacon, Walter M., assignor.)
Bell Telephone Laboratories, Incorporated. (See Cole, Ira E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Darrow, W. E., Peterson, and Yost, assignors.)
Bell Telephone Laboratories, Incorporated. (See Davey, James R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Hampton, L. N., and Shangle, assignors.)
Bell Telephone Laboratories, Incorporated. (See Hovland, Henry, assignor.)
Bell Telephone Laboratories, Incorporated. (See Hoyt, Frederick A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kircher, Reymond J. assignor.)
Bell Telephone Laboratories, Incorporated. (See Krantz, Hubert K., assignor.)
Bell Telephone Laboratories, Incorporated. (See Kuhn, J. J., Pritchard, and Saunders, assignors.)
Bell Telephone Laboratories, Incorporated. (See Kuntz, Frank A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Peterson, Eugene, assignor.)
Bell Telephone Laboratories, Incorporated. (See Rea, Wilton T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Richard, Charles D., assignor.)
Bell Telephone Laboratories, Incorporated. (See Roberts, J. G., and Richard, assignors.)
Bell Telephone Laboratories, Incorporated. (See Wagar, Harold N., assignor.)
Bencowitz, Isaac, and H. A. Swem, Newgulf, Tex., assignors to Texas Gulf Sulphur Company. Grinding apparatus. 2,246,567; June 24.
Bendix Aviation Corporation. (See Loen, Hans, assignor.)
Benford, Frank, Schenectady, N. Y., assignor to General Electric Company. Optical alignment device. 2,247,113; June 24.
Benson, Albert L., Los Angeles, Calif. Knitting reel. 2,246,713; June 24.
Bergan, Martin D., Westfield, assignor to Thomas & Betts Co., Elizabeth, N. J. Wire connector. 2,247,041; June 24.
Berger, Henry G., and D. E. Badertscher, Woodbury, and F. M. Seger, Pitman, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Extreme pressure lubricant. 2,247,042; June 24.
Berger, Henry G., and D. E. Badertscher, Woodbury, and F. M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Extreme pressure lubricant. 2,247,043; June 24.
Berger, Henry G., and D. E. Badertscher, Woodbury, and F. M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Extreme pressure lubricant. 2,247,044; June 24.
Berger, Henry G., and D. E. Badertscher, Woodbury, and F. M. Seger, Pitman N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Extreme pressure lubricant. 2,247,045; June 24.
Berger, Henry G., and D. E. Badertscher, Woodbury, and F. M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Extreme pressure lubricant. 2,247,046; June 24.
Berhoudar, Osep V., Athens, Greece. Carburetor for hydrocarbon fuels. 2,247,181; June 24.
Berliner, Henry A., assignor to Engineering and Research Corporation, Riverdale, Md. Coupling means. 2,246,568; June 24.
Besoyan, Serg, et al. (See Compton, Beaulard J., assignor.)
Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,246,661; June 24.
Biancelli, Luigi. (See Ceccato, Ezio, assignor.)
Bigman, Morris L., Brooklyn, N. Y. Illuminated switch device. 2,246,613; June 24.
Bingman, Frederick P., Birmingham, assignor to R. C. Mahon Company, Detroit, Mich. Gas cleaner. 2,247,285; June 24.
Binks Manufacturing Company. (See Brunsen, S., Gustafsson, and Wahlin, assignors.)
Birch, George E., et al. (See Bour, Joseph A., assignor.)
Bishop, Frederic L., Jr., Jeannette, assignor to American Window Glass Company, Pittsburgh, Pa. Filming feeder. 2,247,010; June 24.
Bishop, Frederic L., Jr., Jeannette, assignor to American Window Glass Company, Pittsburgh, Pa. Apparatus for inspecting glass sheets or the like. 2,247,047; June 24.
Blair, David, Chicago, Ill. Lady's undergarment. 2,246,714; June 24.
Blanding, Clarence F., Arlington, Va. Pneumatically controllable cowling. 2,246,498; June 24.
Blewett, John P., Scotia, and S. Ramo, Schenectady, N. Y., assignors to General Electric Company. High frequency electronic apparatus. 2,247,077; June 24.
Bliss, E. W., Company. (See Crane, E. V., and Groll, assignors.)
Blomberg, Martin P., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Car construction. 2,246,499; June 24.
Blomberg, Martin P., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Framing. 2,247,273; June 24.
Bloomberg, Joseph E., assignor to Milwaukee Saddlery Company, Milwaukee, Wis. Cushion seat and making the same. 2,246,662; June 24.
Blythe, Samuel J., Sr., et al. (See Davis, Louis, assignor.)
Boag, John W., and J. C. Read, Rugby, England, assignors to General Electric Company. Electric valve translating apparatus. 2,247,078; June 24.
Bocjl Corporation. (See West, Maxwell A., assignor.)
Bockmühl, Max G. Ehrhart, and H. Ruschig, Frankfort-on-the-Main-Hoehst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Preparing cyclopentane-hydrophenanthrene ketones. 2,247,147; June 24.
Bodine, Charles B., Jersey City, N. J., assignor of one-half to P. E. Landolt, and one-half to S. H. Weckstein, New York, N. Y. Furnace grate. 2,246,715; June 24.
Bohm, Joseph. (See Troendly, H. P., Rumsey, and Bohm.)
Bölte, Karl, Berlin-Karlshorst, Germany, assignor to General Electric Company. Variable ratio transformer. 2,247,079; June 24.

Bond, Donald S., Philadelphia, Pa., assignor to Radio Corporation of America. Radio navigation equipment. 2,247,048; June 24.
Boos, Wilfred J., assignor to Walk-Easy Foot Rest Manufacturing Company, St. Louis, Mo. Cushion insole. 2,247,114; June 24.
Booth, Jack J., Dallas, Tex. Refrigerated display case. 2,247,274; June 24.
Bordeaux, Claude G., Albany, and F. S. White, Hoosick Falls, N. Y. Electric motor. 2,246,777; June 24.
Born, Edward L. (See Dickinson, M. S., and Born.)
Bosca, Ernest E., assignor to M. M. Bosca, Pasadena, Calif. Snow scooter. 2,247,182; June 24.
Bosca, May M. (See Bosca, Ernest E., assignor.)
Bosworth, William H., Yonkers, assignor to George Haiss Manufacturing Co. Inc., New York, N. Y. Wagon loader. 2,247,049; June 24.
Botley, Richard M., assignor to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Method and apparatus for closing and sealing cartons. 2,246,614; June 24.
Bottrill, David H., assignor to Canadian Car & Foundry Company Limited, Montreal, Quebec, Canada. Landing airplanes. 2,246,716; June 24.
Bour, Joseph A., assignor of one-fourth to G. F. Reinhardt, and ten one-hundreds to G. E. Birch, Sharon, Pa. Clay products saw. 2,247,183; June 24.
Bowman, Lowell C., Hillsboro, Oreg. Locking hitch bolt. 2,246,834; June 24.
Bowne, Martin S., assignor to Lee Clay Products Company, Inc., Clearfield, Ky. Wall coping. 2,246,615; June 24.
Boynton, Alexander, San Antonio, Tex. Differential stage lift flow device, bellows type. 2,246,500; June 24.
Braaten, Arthur M., Riverhead, N. Y., assignor to Radio Corporation of America. Resonant line controlled oscillation generator. 2,247,216; June 24.
Braaten, Arthur M., Riverhead, N. Y., assignor to Radio Corporation of America. Resonant line coupling circuit. 2,247,217; June 24.
Braaten, Arthur M., Riverhead, N. Y., assignor to Radio Corporation of America. Neutralizing circuits employing resonant lines. 2,247,218; June 24.
Bradfield, Earle T. (See Cree, J., and Corlett, assignors.)
Bradley, Dan T., Detroit, Mich., assignor to Harris Products Company, Akron, Ohio. Coupling. 2,247,163; June 24.
Bradner, Donald B., and G. C. Munro, assignors to The Champion Paper and Fibre Company, Hamilton, Ohio. Glossmeter. 2,246,501; June 24.
Bradshaw, Lawrence, Vancouver, British Columbia, Canada. Window screen. 2,246,663; June 24.
Brady, Joseph J., Galveston, Tex. Combination tool. 2,247,327; June 24.
Bramsen, Svend, E. Gustafsson, and F. W. Wahlin, assignors to Binks Manufacturing Company, Chicago, Ill. Automatic spraying machine. 2,246,502; June 24.
Brandon, Alfred E., New York, N. Y. Sanitary smoking pipe and stricture. 2,246,717; June 24.
Brandt, August F. (See Whitmore, George H., assignor.)
Brandt, Francis L., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Trimming machine. 2,246,664; June 24.
Brenkert, Karl, Detroit, Mich., assignor to Brenkert Light Projection Company. Film presser pad assembly. 2,246,970; June 24.
Brenkert, Karl, assignor to Brenkert Light Projection Company, Detroit, Mich. Aperture plate. 2,246,971; June 24.
Brenkert, Karl, assignor to Brenkert Light Projection Company, Detroit, Mich. Framing mechanism and shutter compensator. 2,246,972; June 24.
Brenkert Light Projection Company. (See Brenkert, Karl, assignor.)
Brewer-Titchener Corporation, The. (See Johannsen, Udo K., assignor.)
Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Double-acting slack adjuster for brakes. 2,246,873; June 24.
Brown & Bailey Company. (See Reiter, Henry J., assignor.)
Brown, Clyde E., Grafton, assignor to Crompton & Knowles Loom Works, Worchester, Mass. Method of forming Axminster loom needles. 2,247,342; June 24.
Brown Instrument Company, The. (See Harrison, Thomas R., assignor.)
Brown Instrument Company, The. (See Jones, Harry S., assignor.)
Brown Instrument Company, The. (See Wiegmann, Edwin C., assignor.)
Brown, Ralph L., Bala-Cynwyd, Pa., assignor to The Solvay Process Company, New York, N. Y. Oxidizing ethers. 2,246,569; June 24.
Brown, Walter W., Erie, Pa., assignor to General Electric Company. Switch operating mechanism. 2,247,080; June 24.
Browning, Jonathan E., Ogden, Utah, assignor to Western Cartridge Company, New Haven, Conn. Receiver and trigger-plate assembly for fire-arms. 2,247,011; June 24.
Brüder, Elsert A. G. (See Müller, Leopold, assignor.)
Buckley, Arthur H., Chicago, Ill. Automatic motorized typewriter. 2,247,275; June 24.
Buensod-Stacey Air Conditioning, Incorporated. (See Waterfill, Robert W., assignor.)
Buffington, George A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle tension. 2,247,286; June 24.
Buffington, Ralph M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,246,665; June 24.
Burdett, Le Roy, assignor to Standard Shade Pull Manufacturers, Inc., Chicago, Ill. Pull ring. 2,246,718; June 24.
Burfening, Russell P., Fargo, N. Dak. Necktie. 2,247,184; June 24.
Burge, Alfred, Mount Lebanon, Pa., and A. H. Engelhardt, Lorain, Ohio, assignors to National Tube Company. Greasing device for threaded articles. 2,246,874; June 24.
Burgess Cellulose Company. (See Schorger, Arlie W., assignor.)
Burgess Cellulose Company. (See Schorger, A. W., and Ferguson, assignors.)
Burk, Melvin, Akron, Ohio. Meat grinder. 2,247,012; June 24.
Burk, Robert E., Cleveland Heights, assignor to The Standard Oil Company, Cleveland, Ohio. Treating cracked petroleum distillates for color. 2,247,148; June 24.
Burkholder, Alden H. (See Kline, H. B., Fryer, and Burkholder.)
Burnell, Patrick H., Gebo, Wyo., assignor to Goodman Manufacturing Company, Chicago, Ill. Feeding device for shaker conveyers. 2,246,835; June 24.
Burnham, William H., Jr., Pebble Beach, Calif. Iron. 2,246,719; June 24.
Butterbaugh, Charles D., South Bend, Ind. Flexible indexing strip. 2,246,570; June 24.
Butzbach, Orville K., assignor to The Studebaker Corporation, South Bend, Ind. Transmission control mechanism. 2,247,164; June 24.
Buxton, Mabel A., executrix. (See Buxton, Warner R., assignor.)
Buxton, Warner R., Longmeadow, Mass., deceased. M. A. Buxton, executrix. Flexible pocket receptacle. 2,246,571; June 24.
Caccioppoli, Lorenzo, Rome, Italy. Distillation process. 2,247,185; June 24.
Cahoon, Edward E., Racine, Wis. Safety handle for confections. 2,246,778; June 24.
Callow, Olaf C. (See Whitcomb, A. J., Callow, and Schofield.)
Cameron Iron Works. (See Abercrombie, J. S., and Allen, assignors.)
Cameron Iron Works. (See Allen, Herbert, assignor.)
Cameron Iron Works. (See Putnam, P. T., and Works, assignors.)
Camilli, Alfred A., Crystal Falls, and M. K. Johnston, assignors to Cliffs Dow Chemical Company, Marquette, Mich. Treatment of wood tar distillate. 2,246,973; June 24.
Campbell, Anna L., Philadelphia, Pa. Illuminated stick of umbrella. 2,246,836; June 24.
Campbell, David S., Springdale, Conn. Rolling mill guide and shoe. 2,247,050; June 24.
Canadian Car & Foundry Company Limited. (See Bottrill, David H., assignor.)
Canter, Morris, New York, N. Y. Protection tag seal. 2,246,572; June 24.
Carey-McFall Company. (See Stuber, Walter J., assignor.)
Carlsen, Leonard O., assignor to Gleason Works, Rochester, N. Y. Relieving cutters. 2,246,503; June 24.
Carlson, Vernon E., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,246,837; June 24.
Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method and apparatus for loading receptacles with volatile liquids. 2,246,875; June 24.
Carper, Ernest A., et al. (See Carver, Charles J., assignor.)
Carver, Charles J., Berryville, assignor of sixty per cent to E. A. Carper, twenty per cent to G. G. Baker, and twenty per cent to A. B. Solenberger, Winchester, Va. Fuel feeding attachment for carburetors. 2,246,876; June 24.
Castino, John W., River Forest, Ill. Fluid fountain device. 2,246,838; June 24.
Castricone, John A., assignor to Altorfer Bros., Company, Peoria, Ill. Ironing machine control. 2,247,149; June 24.
Ceccato, Ezio, assignor to L. Biancelli, Milan, Italy. Device for the suction of foul air from water-closet basins. 2,247,287; June 24.
Celanese Corporation of America. (See Kinsella, Edward, assignor.)
Celanese Corporation of America. (See Oxley, H. F., and Thomas, assignors.)
Chain Belt Company. (See Marshall, William B., assignor.)
Chamberlin Metal Weather Strip Company. (See Ingersoll, E. B., Pillsbury, Smith, and Willett, assignors.)
Champion Paper and Fibre Company, The. (See Bradner, D. B., and Munro, assignors.)
Chase, Opal W., Little Rock, Ark. Awning fan. 2,247,276; June 24.

Chelazzi, Pahl C., assignor to C. J. Doughty, Shanghai, China. Building. 2,247,186; June 24.
Cherry, Charles L., South Carver, Mass. Truck for fighting forest fires. 2,246,616; June 24.
Chicago Pneumatic Tool Company. (See Amtsberg, Lester A., assignor.)
Chicago Pneumatic Tool Company. (See Collins, Lester L., assignor.)
Chicago Pneumatic Tool Company. (See Fischer, Howard R., assignor.)
Chicago Pneumatic Tool Company. (See Meunier, Leon F., assignor.)
Chiffey, Edward, Harrow, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England. Fabricating connecting leads. 2,246,931; June 24.
Chilcote Company, The. (See Chilcote, Lee A., assignor.)
Chilcote, Lee A., Beachwood, assignor to The Chilcote Company, Cleveland, Ohio. Picture mount. 2,247,150; June 24.
Childs, John C., New Rochelle, N. Y. Device for reefing sails. 2,247,219; June 24.
Chilowsky, Constantin, and A. Guerbilsky, Paris, France, said Chilowsky assignor to said Guerbilsky. Method and apparatus for television. 2,247,051; June 24.
Christiansen, Andrew L., Willowbrook, Calif. Means for cutting fish. 2,246,839; June 24.
Christiansen, Christian, Fargo, N. Dak. Soil basin tiller. 2,246,617; June 24.
Christophersen, Christian W., New York, N. Y. Pipe construction. 2,246,573; June 24.
Chrysler Corporation. (See Beemer, Paul K., assignor.)
Chrysler Corporation. (See Herreshoff, Alexander G., assignor.)
Chrysler Corporation. (See Hicks, Harold A., assignor.)
Chrysler Corporation. (See Hough, James H., assignor.)
Chrysler Corporation. (See McKechnie, Ian C., assignor.)
Chrysler Corporation. (See Slack, Frederic W., assignor.)
Chrysler Corporation. (See Utz, Chester C., assignor.)
Chrysler Corporation. (See Wheat, Thomas E. M., assignor.)
Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener member and fastener installation. 2,246,720; June 24.
Ciba Pharmaceutical Products, Incorporated. (See Miescher, K., and Kaegi, assignors.)
Cid, Jamil C., Montreal, Quebec, Canada. Fire alarm apparatus. 2,247,277; June 24.
Cinch Manufacturing Corporation. (See Del Camp, Scipione M., assignor.)
Cities Service Oil Company. (See Lyons, Henry N., assignor.)
Clairol, Incorporated. (See Yven, Emile J., assignor.)
Clark Thread Company, The. (See Taylor, W. H., and Kershaw, assignors.)
Clarke, Edward B., Lynn, Mass., assignor to General Electric Company. Governing mechanism. 2,247,151; June 24.
Clay, Walter J. (See Humason, G. A., and Clay.)
Clearing Machine Corporation. (See Johansen, Elmar K., assignor.)
Clement, William D., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Woven elastic fabric. 2,246,504; June 24.
Cleveland Pneumatic Tool Company, The. (See Van Sittert, P., and Maurer, assignors.)
Cleveland Tractor Company. (See Heaslet, James G., assignor.)
Cliffs Dow Chemical Company. (See Camilli, A. A., and Johnston, assignors.)
Cloud, Leslie G., et al. (See Alessi, J. H., and Lee, assignors.)
Cloud, Waiora R., et al. (See Alessi, J. H., and Lee, assignors.)
Cloutier, Henri H. (See Ackerman, David V., assignor.)
Coble, Lucian G., Greensboro, N. C. Dental impression tray. 2,247,013; June 24.
Cochran, Henry C., Sacramento, Calif. Cleaning device. 2,246,618; June 24.
Coe, Clifford P., St. Paul, Minn. Flexible and submersible decoy rack. 2,246,574; June 24.
Cole, Arthur D., Minneapolis, Minn. Draft regulator. 2,246,619; June 24.
Cole, Ira E., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control system. 2,246,505; June 24.
Cole-Sullivan Engineering Company. (See Jansen, Gerhard, assignor.)
Coleman, Edwin D., Maywood, assignor to Micro Switch Corporation, Freeport, Ill. Electric bridge circuit. 2,246,575; June 24.
Coleman, Gerald H., and B. C. Hadler, assignors to The Dow Chemical Company, Midland, Mich. Aryloxy alkyl esters of cinnamic acid. 2,246,974; June 24.
Coleman, Roy E., Meriden, Conn., assignor, by mesne assignments, to Time, Incorporated, New York, N. Y. Prolamin containing compositions and solutions. 2,246,779; June 24.
Collier, Charles S., Wilmington, Del., and L. A. Myers, Chicago, Ill., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Storing sulphur. 2,246,666; June 24.
Collins, Lester L., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Compressor regulator. 2,246,913; June 24.
Collins, Lester L., Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Combination single and two stage vacuum pump. 2,246,932; June 24.
Colman, Howard D., Rockford, Ill. Hydraulic power brake. 2,246,667; June 24.
Comeau, John F., Pine Bush, N. Y. Water paint. 2,246,620; June 24.
Commercial Solvents Corporation. (See Senkus, Murray, assignor.)
Compo Shoe Machinery Corporation. (See Smith, John F., assignor.)
Compton, Beaulard J., Oildale, assignor of fourteen per cent to H. M. Price, San Francisco, fourteen per cent to S. Besoyan, Delano, fifteen per cent to R. B. Walker, two and one-half per cent to L. S. Hooper, and two and one-half per cent to A. Diel, Bakersfield, Calif. Air conditioner. 2,246,506; June 24.
Conlon, Thomas P., New York, N. Y. Combination mechanism for keyless locks, bolts, and locking devices. 2,247,220; June 24.
Connelly, Dennis J. (See Jones, W. T., and Connelly.)
Consolidated Packaging Machinery Corporation. (See Gantzer, Howard E., assignor.)
Consolidated Packaging Machinery Corporation. (See Moore, Royal T., assignor.)
Continental Coffee Company. (See Ehrenreich, Frank C., assignor.)
Cooley, Austin G., assignor to Wide World Photos, Inc., New York, N. Y. Phasing arrangement for telefacsimile machines. 2,246,721; June 24.
Cordrey, Almon J., Chicago, Ill., assignor to Industrial Process Corporation, Dayton, Ohio. Sponge rubber process. 2,246,780; June 24.
Corhart Refractories Company. (See Smyth, Harold T., assignor.)
Corlett, Frank. (See Cree, J., and Corlett.)
Cornell-Dubilier Electric Corporation. (See Deeley, Paul M., assignor.)
Cornell, Fritz G., Jr., Mountain Lakes, N. J. Heat exchange device. 2,247,152; June 24.
Cowan, Elijah, Dolbeau, Quebec, Canada. Pulp screening apparatus. 2,246,669; June 24.
Cowden, John V. (See Hopkins, Llewellyn, assignor.)
Cozzens, Charles O., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,246,507; June 24.
Craggs, Ross V., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Method and apparatus for drying and cooling tobacco. 2,246,914; June 24.
Cram, Charles C., assignor to L. R. Teeple Company, Portland, Oreg. Temperature control system. 2,246,668; June 24.
Crane, Edward V., Brooklyn, N. Y., and A. F. Groll, Toledo, Ohio, assignors to E. W. Bliss Company, Brooklyn, N. Y. Apparatus for handling metal strip. 2,246,840; June 24.
Cree, John, Hamilton, Ontario, and F. Corlett, Crowland, Ontario, assignors of one-third to E. T. Bradfield, Hamilton, Ontario, Canada. Refill fuse plug. 2,246,841; June 24.
Crise, George W., Mount Vernon, Ohio. Indexing apparatus. 2,247,165; June 24.
Crompton & Knowles Loom Works. (See Brown, Clyde E., assignor.)
Crompton & Knowles Loom Works. (See Buffington, George A., assignor.)
Cunningham, Aiken C., Beechwood, N. J. Rotary filter. 2,246,877; June 24.
Cunningham, Alfred, Sayre, Pa. Extension device. 2,247,187; June 24.
Cutler-Hammer, Inc. (See Meuer, George J., assignor.)
Dailey, Manvel C., Maywood, assignor to United States Gypsum Company, Chicago, Ill. Gypsum plaster and manufacture. 2,247,221; June 24.
Daisley, Robert H., Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve tappet. 2,247,278; June 24.
Dale, Irl A., Memphis, Tenn. Financial instrument. 2,247,222; June 24.
Dalkowitz, Godfrey, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Vibrating dry shaver. 2,247,052; June 24.
Dall, Edward D., Detroit, Mich., assignor to W. F. Wright, Cleveland, Ohio. Automobile door locking structure. 2,246,781; June 24.
Dall, Edward D., Detroit, Mich., assignor to W. F. Wright, Cleveland Heights, Ohio. Automobile door locking structure. 2,246,782; June 24.
Dall, Edward D., Detroit, Mich., assignor to W. F. Wright, Cleveland Heights, Ohio. Automobile door locking structure. 2,246,783; June 24.
Dall, Edward D., Detroit, Mich., assignor to W. F. Wright, Cleveland Heights, Ohio. Automobile door locking structure. 2,246,784; June 24.
Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile door locking structure. 2,246,785; June 24.
Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile door locking structure. 2,246,786; June 24.
Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Latch structure. 2,246,787; June 24.

Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Hinged bumper guard. 2,246,788; June 24.
Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile hood latch. 2,246,789; June 24.
Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile door locking structure. 2,246,790; June 24.
Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile hood latching mechanism. 2,246,791; June 24.
Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Combination hinging and latching assembly for automobile hoods. 2,246,792; June 24.
Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile hood latching means. 2,246,793; June 24.
Dall, Edward D., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile hood latching structure. 2,246,794; June 24.
Dangelmajer, Charles, Nutley, assignor to Resistoflex Corporation, Belleville, N. J. Polyvinyl alcohol composition. 2,246,915; June 24.
Daniels, Albert A., Chicago, Ill. Mounting printing plates. 2,246,795; June 24.
Darrow, Wirt E., Hollis, N. Y., and G. H. Peterson, Glen Rock, and L. A. Yost, Fanwood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Machine ringing system. 2,246,576; June 24.
Davey, James R., Kew Gardens, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Receiving circuit for signaling systems. 2,247,328; June 24.
Davids, Hans. (See Owens, J. W., and Davids.)
Davidson, William W., Evanston, Ill. Feeding and registering apparatus. 2,246,508; June 24.
Davies, Albert E., New Westminster, British Columbia, Canada. Connecting device. 2,246,509; June 24.
Davis, Cecil B., Kingman, Ariz. Glass cleaner. 2,247,115; June 24.
Davis, David W., Washington, D. C. Audible signal for fire alarms. 2,246,878; June 24.
Davis, Gifford D. (See Rockwood, Earl L., assignor.)
Davis, Louis, assignor of one-third to S. J. Blythe, Sr., and one-third to R. H. Hostutler, Corpus Christi, Tex. Screen and liner puller. 2,247,188; June 24.
Davis, Monte F., Amity, Oreg. Hydraulic brake safety appliance. 2,246,621; June 24.
Davis, Oscar M., Houston, Tex. Pump. 2,246,577; June 24.
Day, Louis J., Floral Park, N. Y., assignor to Josam Manufacturing Company, Cleveland, Ohio. Inlet fitting for swimming pools. 2,247,116; June 24.
Deeley, Paul M., Plainfield, assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrical capacitor. 2,246,933; June 24.
De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,246,842; June 24.
De Guyon, Clement, Hartford, Conn. Carburetor. 2,247,189; June 24.
Deitz, George, Brooklyn, N. Y., assignor, by mesne assignments, to R. E. Beck, Chicago, Ill. Talking doll and action driven circuit therefor. 2,247,329; June 24.
Del Camp, Scipione M., Maywood, assignor to Cinch Manufacturing Corporation, Chicago, Ill. Fastener member and fastener secured installation. 2,246,722; June 24.
Delivuk, Louis, Spokane, Wash. Combined elevator and pneumatic grain cleaner. 2,246,723; June 24.
Delsuc, Jacques, assignor to Société Anonyme: Ateliers J. Carpentier, Paris, France. Gyromagnetic compass. 2,247,288; June 24.
Demers, Isaie J. B., St. Paul, Minn., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Joint for combination wood and metal structures. 2,247,330; June 24.
Demmel, Anton, assignor to Olympia Buromaschinenwerke A. G., Dresden, Germany. Tabulating and margin setting mechanism. 2,247,014; June 24.
Denney, Courtlandt F., Westfield, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Fractional distillation. 2,246,934; June 24.
Dennis, John R., Providence, R. I., assignor to International Braid Company. Display device. 2,246,622; June 24.
De Reamer, Frank C., Bridgeport, Conn., assignor to General Electric Company. Lamp holder. 2,247,117; June 24.
De Salardi, Albert B., Wilkinsburg, Pa. Trussed structural member and method of and means for its manufacture. 2,246,578; June 24.
Despret, Georges P., Paris, France, assignor to The American Securit Company, Washington, D. C. Suspending glass plates. 2,247,289; June 24.
Dickerson, Walker T., Company, The. (See Gordon, Hiram, assignor.)
Dickinson, Merville S., Edgeworth, and E. L. Born, Coraopolis, Pa., assignors to Dravo Corporation. Bending machine. 2,246,992; June 24.
Diehl, Walter S., U. S. Navy. Retractable pitot static tube. 2,246,510; June 24.
Diel, Albert, et al. (See Compton, Beaulard J., assignor.)
Disney, Walt, Productions. (See Garity, W. E., and Kuhn, assignors.)
Disbrow, Hamilton G., Madison, assignor to International Safety Razor Corporation, Bloomfield, N. J. Package opener. 2,247,290; June 24.
Ditto, Incorporated. (See Rothe, Patrick H., assignor.)
Dodson, Harry L. (See Ruths, R. J., and Dodson.)
Doig, William, New York, N. Y. Covering pad. 2,247,291; June 24.
Dorey, Arthur F., Little Falls, N. Y. Knockdown cribbing for graves. 2,246,623; June 24.
Doughty, Charles J. (See Chelazzi, Paul C., assignor.)
Dow Chemical Company, The. (See Coleman, G. H., and Hadler, assignors.)
Dow Chemical Company, The. (See Matheson, L. A., Nichols, Robinson, and Du Chene, assignors.)
Dow Chemical Company, The. (See Smith, F. B., and Moll, assignors.)
Dow, Harold T., Elma, N. Y., assignor to Spring Perch Company, Inc. Vehicle spring. 2,246,879; June 24.
Drake, Edward P., Los Angeles, assignor to Lindsay Ripe Olive Company, Lindsay, Calif. Automatic olive pitting machine. 2,246,843; June 24.
Drake, Evert L., Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass. Conveyer. 2,246,624; June 24.
Drake, George F. (See Stewart, D. J., and Drake.)
Drake, John L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for tempering glass. 2,247,118; June 24.
Dravo Corporation. (See Dickinson, M. S., and Born, assignors.)
Dreyer, Hans, Berlin-Charlottenburg, assignor to Siemens & Halske Aktiengesellschaft of Wernerwerk, Siemensstadt, near Berlin, Germany. Telephone system. 2,247,223; June 24.
Drill, Daniel C., assignor to American Rock Wool Corporation, Wabash, Ind. Apparatus for separating products from mineral wool blow chambers. 2,246,844; June 24.
Du Chene, Clyde F. (See Matheson, L. A., Nichols, Robinson, and Du Chene.)
Duerden, Samuel. (See Sargent, T., and Duerden.)
Duisberg, Walther H. (See Esselmann, P., Kösslinger, and Düsing, assignors.)
Dunlop Plantations Limited. (See Paull, W., and Stamberger, assignors.)
Dunning, Mac W., Dallas, Tex. Bookbinding. 2,247,224; June 24.
Du Pont, E. I., de Nemours & Co. (See Collier, C. S., and Myers, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hurt, David M., assignor.)
Durden, Aldo E., Houston, Tex. Fluid lift pumping attachment for fluid circulating systems. 2,246,845; June 24.
Düsing, Joseph. (See Esselmann, P., Kösslinger, and Düsing.)
Earl, Harry W., Oakmont, Pa. Connecting device. 2,246,670; June 24.
Eaton, Malcolm W., assignor to Micro Switch Corporation, Freeport, Ill. Electric switch. 2,246,724; June 24.
Eaton Manufacturing Company. (See Daisley, Robert H., assignor.)
Eaton Manufacturing Company. (See Findley, Howard J., assignor.)
Eclipse Counterbore Company. (See Young, William K., assignor.)
Econoscope Corporation. (See Kummer, Frederick S., assignor.)
Edenfield, Eli E., Lakeland, Fla. Fruit juicing machine. 2,247,190; June 24.
Edwards and Company. (See Miller, Christian, assignor.)
Edwards, John R., Pittsburgh, Pa., assignor to The Johnston & Jennings Company, Cleveland, Ohio. Flame arrester. 2,247,225; June 24.
Edwards, Martin A., Schenectady, N. Y., assignor to General Electric Company. Electric valve circuits. 2,247,167; June 24.
Edwards, Martin A., and L. W. Thompson, Schenectady, N. Y., assignors to General Electric Company. Dynamo regulator system. 2,247,166; June 24.
Ehrenreich, Frank C., assignor to Continental Coffee Company, Inc., Chicago, Ill. Hot water reservoir in coffee urn. 2,247,226; June 24.
Ehrhart, Gustav. (See Bockmühl, M., Ehrhart, and Ruschig.)
Electric & Musical Industries Limited. (See Chiffey, Edward, assignor.)
Electric Vacuum Cleaner Co. (See Foldes, Stephen, assignor.)
Ellis, George B. L., Thames Ditton, Surrey, England, assignor to Autogiro Company of America, Willow Grove, Pa. Rotative winged aircraft. 2,247,053; June 24.
Ellis, John L. (See Roth, E. J., and Ellis.)
Ellsworth, Kennedy, et al. (See Alessi, J. H., and Lee, assignors.)
Endres, Eugene, New Philadelphia, Ohio. Cut flower holder. 2,247,191; June 24.
Engdahl, James F. (See Oermann, C. H., and Engdahl.)
Engelhardt, Alvin H. (See Burge, A., and Engelhardt.)
Engineering and Research Corporation. (See Berliner, Henry A., assignor.)

Eps, Siegfried, Munich-Allach, assignor to "Rikur" K. Kurt Richter, G. m. b. H., Holzhausen, near Leipzig, Saxony, Germany. Pilerlike stapling machine. 2,247,292; June 24.

Erke, Ervin G., and G. E. Morris, St. Paul, Minn. Leaf pickup device for lawn mowers. 2,246,880; June 24.

Esselmann, Paul, Wolfen, Kreis Bitterfeld, and K. Kösslinger and J. Düsing, Dessau, Germany, assignors, by mesne assignments, to W. H. Duisberg, New York, N. Y. Textile material. 2,246,511; June 24.

Esval, Orland E. (See Anscott, W., and Esval.)

Ewart, William E., Seattle, Wash. Continuously variable speed changing means. 2,247,153; June 24.

Ewertz, Eric H., Elizabeth, N. J. Butt strap for welded joints. 2,246,579; June 24.

Ewest, Hans. (See Pirani, M., Ewest, and Becker.)

Fairbanks, Morse & Co. (See Owens, J. W., and Davids, assignors.)

Fallon, E. B. (See Matter, Albert J., assignor.)

Farber, S. W., Inc. (See Foster, Hoyt K., assignor.)

Farkas, Emil N., assignor of one-half to F. F. Farkas, Chicago, Ill. Spiral binder. 2,246,489; June 24.

Farkas, Frank F. (See Farkas, Emil N., assignor.)

Farmer, John F., Indianapolis, Ind. End adjustable grille. 2,246,580; June 24.

Farnsworth, Philo T., San Francisco, Calif., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del. Television scanning and synchronizing system. 2,246,625; June 24.

Farnsworth Television & Radio Corporation. (See Farnsworth, Philo T., assignor.)

Fears, William, Schenectady, N. Y., assignor to General Electric Company. Inking roller for recorders. 2,247,081; June 24.

Fedders Manufacturing Company. (See Przyborowski, Stanislaus, assignor.)

Fedeler, John H., New York, N. Y. Air conditioning apparatus. 2,247,119; June 24.

Feldtkeller, Richard, Stuttgart, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie mit beschrankter Haftung, Berlin, Germany. Band-pass filter. 2,246,935; June 24.

Ferguson, John, Cleveland, Ohio. Glassmaking batch. 2,247,331; June 24.

Ferguson, John H. (See Schorger, A. W., and Ferguson.)

Fernseh Aktiengesellschaft. (See Knick, Ulrich, assignor.)

Fetter, Norman C., assignor to Micro Switch Corporation, Freeport, Ill. Electric switch. 2,246,581; June 24.

"Fides" Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung. (See Schwenn, Willi, assignor.)

Findley, Howard J., Euclid, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Valve for automotive vehicle heaters. 2,247,227; June 24.

Firks, Theodore H., Chicago, Ill. Decorative display article of manufacture. 2,247,054; June 24.

Fischer, Georg, Zollikon, assignor to Maag-Zahnräder und-Maschinen A. G., Zurich, Switzerland. Machine for shaping spur gears. 2,246,671; June 24.

Fischer, Howard R., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Hold-down and chip collecting attachment for drills. 2,246,916; June 24.

Fisher, Charles W., Coffeyville, Kans., assignor to Robinson Packer Company, Tulsa, Okla. Well packer. 2,246,881; June 24.

Fitzgerald, James A., Detroit, Mich. Ceramic body. 2,247,120; June 24.

Flamboe, Ithea E., Keokuk, Iowa. Dead end clamp. 2,247,015; June 24.

Flintjer, Walter J., Cheyenne, Wyo. Beet harvester. 2,247,293; June 24.

Flues, Robert H., Detroit, Mich. Flowerpot holder. 2,246,490; June 24.

Flygare, Carl G., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,247,228; June 24.

Foldes, Stephen, assignor to Electric Vacuum Cleaner Co., Inc., Cleveland, Ohio. Vacuum cleaner. 2,247,121; June 24.

Fonda, Gorton R., Schenectady, N. Y., assignor to General Electric Company. Preparing fluorescent material. 2,247,192; June 24.

Fontaine, Robert A., Martinsville, Va. Brick grab. 2,247,168; June 24.

Foster, Hoyt K., Hollis, assignor to S. W. Farber, Inc., Brooklyn, N. Y. Electrical cooking apparatus. 2,247,229; June 24.

Foster, Hoyt K., Hollis, assignor to S. W. Farber, Inc., Brooklyn, N. Y. Cooking utensil. 2,247,230; June 24.

Foster, Levin W., Pittsfield, Mass., assignor to General Electric Company. Control of electric power systems. 2,247,332; June 24.

Foster Wheeler Corporation. (See Denney, Courtlandt F., assignor.)

Foulds, Neil M. (See Wolf, C. R., and Foulds.)

France, Joseph E., and R. A. Hammer, Lamoni, Iowa. Visible name ledger. 2,247,122; June 24.

Francis, Raymond S., Rumford, R. I., assignor to United States Rubber Company, New York, N. Y. Method of and apparatus for separating a rubber ribbon into its individual threads. 2,246,917; June 24.

Frank, William H., Detroit, Mich. Circuit breaker. 2,247,193; June 24.

Frank, William H., and E. T. Platz, Detroit, Mich. Circuit breaker. 2,247,194; June 24.

Frank, William H., and E. T. Platz, Detroit, Mich. Circuit breaker. 2,247,195; June 24.

Frantz Manufacturing Co. (See Wolf, C. R., and Foulds, assignors.)

Fredericksen, James P., Wollaston, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Shoe lasting machine. 2,246,993; June 24.

Fregeolle, Oscar, assignor to Hemphill Company, Central Falls, R. I. Knitted fabric and method. 2,247,343; June 24.

French, Thomas, & Sons, Ltd. (See Gibbons, Edwin J., assignor.)

Frey, Frederick E. (See Schulze, W. A., and Frey.)

Freyn Engineering Company. (See Whitcomb, A. J., Callow, and Schofield, assignors.)

Frick, Charles E., Jr., et al. (See Jensen, James A., assignor.)

Friedberger-Aaron Manufacturing Company. (See Clement, William D., assignor.)

Friend Motor Company. (See Schultz, Richard A., assignor.)

Fryer, Louis S. (See Kline, H. B., Fryer, and Burkholder.)

Fuglie, Elmer, and O. Oelkers, Mazeppa, Minn. Crankshaft grinder. 2,247,344; June 24.

Funk, Truman B., assignor to "Yard-Man," Inc., Jackson, Mich. Power lawn mower. 2,247,333; June 24.

Furness, William H., assignor to American Rayon Company, Inc., Riverton, N. J. Rayon manufacture. 2,247,123; June 24.

Furness, William H., assignor to American Rayon Company, Inc., Riverton, N. J. Cuproammonium cellulose spinning solution and preparing the same. 2,247,124; June 24.

Gallon Iron Works & Manufacturing Company, The. (See Arndt, Franklin E., assignor.)

Gallon Iron Works & Manufacturing Company, The. (See Rehm, Edwin R., assignor.)

Gantzer, Howard E., Kenmore, assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Control apparatus. 2,246,582; June 24.

Garbisch, Norbert S. (See Bair, George J., assignor.)

Gardiner, Paul C., Scotia, N. Y., assignor to General Electric Company. Electronic voltage regulator. 2,247,082; June 24.

Gardner Machine Company. (See Troendly, H. P., (Rumsey and Bohm, assignors).)

Garity, William E., Los Angeles, and J. G. Kuhn, Glendale, assignors to Walt Disney Productions, Burbank, Calif. Apparatus adapted for scoring and rerecording sound. 2,246,796; June 24.

Garlinghouse, Leslie H., Los Angeles, Calif. Wheelbarrow chassis and body construction. 2,247,083; June 24.

Garlock Packing Company, The. (See Hubbard, Cecil R., assignor.)

Garrison, Allen D., Houston, Tex., assignor to The Texas Company, New York, N. Y. Treatment of oil wells. 2,246,725; June 24.

Garrison, Allen D., Houston, Tex., assignor to The Texas Company, New York, N. Y. Treatment of oil wells. 2,246,726; June 24.

Geddes, John W., Watertown, Mass. Breaching nozzle for fire hose. 2,246,797; June 24.

Geibel, John F., assignor to Master Metal Products, Inc., Buffalo, N. Y. Sanitary waste can. 2,246,975; June 24.

Geiger, Lyle M., Crafton, and W. D. Johnston, Jr., Avalon, assignors to The Neville Company, Pittsburgh, Pa. Resin. 2,247,154; June 24.

General Electric Company. (See Arey, Ralph G., assignor.)

General Electric Company. (See Benford, Frank, assignor.)

General Electric Company. (See Blewett, J. P., and Ramo, assignors.)

General Electric Company. (See Boag, J. W., and Read, assignors.)

General Electric Company. (See Bölte, Karl, assignor.)

General Electric Company. (See Brown, Walter W., assignor.)

General Electric Company. (See Clarke, Edward B., assignor.)

General Electric Company. (See De Reamer, Frank C., assignor.)

General Electric Company. (See Edwards, Martin A., assignor.)

General Electric Company. (See Edwards, M. A., and Thompson, assignors.)

General Electric Company. (See Fears, William, assignor.)

General Electric Company. (See Fonda, Gorton R., assignor.)

General Electric Company. (See Foster, Levin W., assignor.)

General Electric Company. (See Gardiner, Paul C., assignor.)

General Electric Company. (See Goff, Robert W., assignor.)

General Electric Company. (See Goldman, Stanford, assignor.)

General Electric Company. (See Goodwin, Raymond W., assignor.)

General Electric Company. (See Grube, Lester E., assignor.)

General Electric Company. (See Hill, Charles H., assignor.)

General Electric Company. (See Howard, Alan, assignor.)

General Electric Company. (See Hull, Albert W., assignor.)

General Electric Company. (See Irby, William, assignor.)

General Electric Company. (See Johnson, Marwin R., assignor.)

General Electric Company. (See Krefft, H., Larché, and Kummer, assignors.)

General Electric Company. (See Levine, S. J., and King, assignors.)

General Electric Company. (See Lorraine, Richard G., assignor.)

General Electric Company. (See Newman, Delbert F., assignor.)

General Electric Company. (See Nowak, Paul, assignor.)

General Electric Company. (See Pirani, M., Ewest, and Becker, assignors.)

General Electric Company. (See Ramo, Simon, assignor.)

General Electric Company. (See Thompson, Louis W., assignor.)

General Electric Company. (See Warner, Donald F., assignor.)

General Electric Company. (See Wilkinson, Kenneth J. R., assignor.)

General Electric Company. (See Witherow, Harry M., assignor.)

General Fire Extinguisher Company. (See Knight, Ira W., assignor.)

General Mills, Inc. (See Anderson, Helmer, assignor.)

General Motors Corporation. (See Stickel, Carl A., assignor.)

General Research, Inc. (See Kamborian, Jacob S., assignor.)

General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)

General Tire & Rubber Company, The. (See Kraft, H. T., and McCoy, assignors.)

Gentry, Arthur E., Eldorado, Ill. Vehicle wheel supporting truck. 2,246,882; June 24.

Genung, George J. (See Thoresen, E., and Genung.)

Gesellschaft zur Konstruktion und Verwertung Automatisch-Mechanischer Getriebe m. b. H. (See Breis, Friedrich, assignor.)

Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch. 2,247,231; June 24.

Gibbons, Edwin J., East Providence, R. I., assignor to Thomas French & Sons, Ltd., New York, N. Y. Plant curtain. 2,246,672; June 24.

Gieleghem, Maurice J., and W. F. Thoma, assignors to National Stamping Company, Detroit, Mich. Seat slide structure. 2,247,279; June 24.

Gilbertson, Henry S., Lansford, assignor to Heltzman Safety Blasting Plug Corporation, Shamokin, Pa. Blasting shell for surface blasting. 2,247,109; June 24.

Gillette Safety Razor Company. (See Hanley, John A., assignor.)

Giuliano, Benjamin R., Fresno, Calif. Precooler for refrigerator cars. 2,246,798; June 24.

Glasner, Rudolph W., and E. K. Johansen, Chicago, Ill.; said Johansen assignor to said Glasner. Driving mechanism. 2,246,673; June 24.

Gleason Works. (See Carlsen, Leonard O., assignor.)

Glenn L. Martin Company, The. (See Wieben, Herman C., assignor.)

Goble, Ralph W., and O. V. Phillips, Long Beach, assignors to L. M. Harvey, La Canada, Calif. Radio directional control for aircraft. 2,247,294; June 24.

Goff, Robert W., Schenectady, N. Y., assignor to General Electric Company. Sealing closure for fuses or the like. 2,247,084; June 24.

Goldberg, Benjamin D., Brooklyn, N. Y. Container and support therefor. 2,247,232; June 24.

Goldman, Stanford, Bridgeport, Conn., assignor to General Electric Company. Amplifier. 2,247,085; June 24.

Goldner, George W. (See McCluskey, F. J., and Goldner.)

Goodenough, Ernest F., Chelmsford, Essex, England, assignor to Radio Corporation of America. Selectivity control circuits. 2,247,155; June 24.

Goodman Manufacturing Company. (See Burnell, Patrick H., assignor.)

Goodwin, Raymond W., Cleveland Heights, Ohio, assignor to General Electric Company. Enamel. 2,247,196; June 24.

Gordon, Hiram, assignor to The Walker T. Dickerson Company, Columbus, Ohio. Inseam joint forming machine. 2,246,727; June 24.

Gordon, Melvin C., Lincoln, Calif. Material-handling device. 2,246,728; June 24.

Goulding, Joseph M., Fairhaven, Mass., assignor to Revere Copper and Brass Incorporated, New York, N. Y. Print roll. 2,246,976; June 24.

Graham, Francis S., Evanston, Ill., assignor to American Sales Book Company, Inc., Niagara Falls, N. Y. Manifolding book. 2,247,233; June 24.

Grandin, William N., Amesbury, Mass. Fly case. 2,246,626; June 24.

Grandstaff, Otho D. (See Lomax, C. E., and Grandstaff.)

Grau, Harry F., Beaver Falls, assignor to Armstrong Cork Company, Lancaster, Pa. Brick package. 2,246,936; June 24.

Graves, Charles B., assignor to The Sefton Fibre Can Company, Maplewood, Mo. Manufacture of helically wound tubing with impervious lining. 2,247,107; June 24.

Greenfield Tap and Die Corporation. (See Stimson, Glen H., assignor.)

Griffin, Herbert, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y. Heat shield for motion picture projectors. 2,246,583; June 24.

Grimsley, Leopold C. (See Rothenberg, H., and Grimsley.)

Groll, Alvin F. (See Crane, E. V., and Groll.)

Gronemeyer, Herbert W., Kansas City, Mo., assignor to Sheffield Steel Corporation. Quenching device. 2,246,674; June 24.

Gronemeyer, Herbert W., Kansas City, Mo., assignor to Sheffield Steel Corporation. Quenching apparatus. 2,246,675; June 24.

Grube, Lester E., East Lynn, Mass., assignor to General Electric Company. Elastic fluid turbine arrangement. 2,247,086; June 24.

Guerbilsky, Alexis. (See Chilowsky, C., and Guerbilsky.)

Guinot, Henri M., Niort, assignor to Les Usines de Melle, Melle (Daux-Sevres), France. Polymerization of diolefins. 2,246,937, June 24.

Gunness, Robert C. (See Thiele, E. W., and Gunness.)

Gurwick, Irving, assignor to Shellmar Products Company, Mount Vernon, Ohio. Newspaper intaglio perfecting press. 2,247,156; June 24.

Gustafsson, Eric. (See Bramson, S., Gustafsson, and Wahlin.)

Gutberlet, Charles J., Philadelphia, Pa. Inker for plate printing presses. 2,246,729; June 24.

Hadler, Bartholdt C. (See Coleman, G. H., and Hadler.)

Hafdell, Frank E., Lincoln, Nebr. Pruning implement. 2,246,730; June 24.

Hagelin, Boris C. W., Stockholm, Sweden. Ciphering machine. 2,247,170; June 24.

Haggerty, Robert F., Square Butte, Mont. Safety fastener. 2,246,512; June 24.

Hainsworth, William R., Larchmont, assignor to Servel, Inc., New York, N. Y. Refrigerator. 2,246,676; June 24.

Haiss, George, Manufacturing Co. Inc. (See Bosworth, William H., assignor.)

Halas, Joseph T., South Norwalk, Conn. Egg opener. 2,247,016; June 24.

Hall, James R., Chester, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Casing joint structure. 2,247,125; June 24.

Hall, Marchand B., assignor to Acme Visible Records, Inc., Chicago, Ill. Visible record system. 2,246,584; June 24.

Hammer, Ray A. (See France, J. E., and Hammer.)

Hammond, Charles A., Alden, N. Y. Mold for making cellular cores for radiators. 2,246,513; June 24.

Hampton, Leon N., New York, N. Y., and A. H. Shangle, Roselle, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Soldering copper stand. 2,246,585; June 24.

Hanks, Marshall W., assignor to Hankscraft Company, Madison, Wis. Liquid conductor heater. 2,246,677; June 24.

Hankscraft Company. (See Hanks, Marshall W., assignor.)

Hanley, John A., Noroton, Conn., assignor to Gillette Safety Razor Company, Boston, Mass. Dry shaving cutter mount. 2,246,586; June 24.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Electron beam tube circuits. 2,247,234; June 24.

Harbison-Walker Refractories Company. (See Smalley, Henry L., assignor.)

Hardy, James H., Artesia, Miss. Forming building surfaces. 2,246,514; June 24.

Harman, Emil L., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Radio-phonograph combination. 2,247,171; June 24.

Harmon, Kenneth A., Longmeadow, assignor to Wico Electric Company, West Springfield, Mass. Dynamoelectric machine. 2,246,587; June 24.

Harrall, Edwin R., Tenafly, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Bearing structure. 2,246,588; June 24.

Harrington, George R. (See Johnson, C. F., and Harrington.)

Harris Products Company. (See Bradley, Dan T., assignor.)

Harris, Thaddeus S., Waverly, Ill. Deep well and cistern automatic pumping plant. 2,246,678; June 24.

Harrison, Thomas H., Bolsover, England. Date indicator for timepieces. 2,246,883; June 24.

Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring instrument. 2,246,679; June 24.

Harrison, Thomas R., Wyncote, assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring apparatus. 2,246,680; June 24.
Harte, John W., New Haven, Conn. Practicing device for golfers. 2,246,681; June 24.
Harvey, Leo M. (See Gobel, R. W., and Phillips, assignors.)
Haupt, E. H. (See Ingram, Bernard J., assignor.)
Hause, Charles F., Los Angeles, Calif. Lavatory leg coupling. 2,247,235; June 24.
Hawaiian Pineapple Company. (See Botley, Richard M., assignor.)
Hayes, Dick, Weston, Oreg. Reel drive for combines. 2,247,172; June 24.
Heard, Llewellyn, Hammond, Ind., and A. G. Oblad, assignors to Standard Oil Company, Chicago, Ill. Catalyst. 2,246,682; June 24.
Heaslet, James G., Hudson, assignor to The Cleveland Tractor Company, Cleveland, Ohio. Tractor construction. 2,246,627; June 24.
Heckman, Joseph H., Chicago, Ill. Mechanic's creeper. 2,246,628; June 24.
Heinisch, Paul, Berlin-Zehlendorf, Germany, assignor to Askania-Werke A. G. Cinematographic apparatus. 2,247,295; June 24.
Heinrich, Johann, and E. Spilger, Berlin-Tegel, assignors, by mesne assignments, to Maschinen-und Metallwaren-Handelsgesellschaft m. b. H., Berlin, Germany. Compressor. 2,246,515; June 24.
Heitzman Safety Blasting Plug Corporation. (See Gilbertson, Henry S., assignor.)
Hellige, F., & Co. (See Assmus, Friedrich, assignor.)
Hemminger, Charles E. Westfield, N. J., assignor to Standard Oil Development Company. Clean circuit powdered catalyst cracking. 2,247,126; June 24.
Hemphill Company. (See Fregeolle, Oscar, assignor.)
Hendrix, Harold B. (See Lindbloom, C. V., and Hendrix.)
Hennessy, Daniel E., Leominster, Mass. Mulling mill. 2,246,846; June 24.
Henning, Leslie G., Cleveland, assignor to F. L. Sessions, Lakewood, Ohio. Ice freezing mold and tray therefor. 2,247,017; June 24.
Henning, Leslie G., Cleveland, assignor to F. L. Sessions, Lakewood, Ohio. Ice freezing mold. 2,247,018; June 24.
Henning, Leslie G., Cleveland, assignor to F. L. Sessions, Lakewood, Ohio. Individual ice mold. 2,247,019; June 24.
Herbert, Wilhelm, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Production of hydrocarbons. 2,247,087; June 24.
Herbster, George, Cleveland, Ohio. Filter for gaseous media. 2,246,994; June 24.
Herreshoff, Alexander G., Grosse Pointe, assignor to Chrysler Corporation, Highland Park, Mich. Suspension mechanism. 2,246,847; June 24.
Herzog, Eugene, Dayton, Ohio. Governing and synchronizing system. 2,246,516; June 24.
Hicks, Harold A., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Motor vehicle. 2,246,848; June 24.
Hickman, August H., Miami, Fla. Counter cash receptacle. 2,247,020; June 24.
Hill, Charles H., Drexel Hill, Pa., assignor to General Electric Company. Insulated electrical connection. 2,247,088; June 24.
Hill, Walter B., Memphis, Tenn. Prevention of insect damage. 2,246,731; June 24.
Hoe, Robert, Hyde Park, N. Y. Slicing mechanism. 2,246,589; June 24.
Hollister, Frank O., Los Angeles, Calif. Beater. 2,246,517; June 24.
Holland-Letz, John, Crown Point, Ind., assignor to The Letz Manufacturing Company. Cutting tip for hammer mills. 2,246,799; June 24.
Holmes, Ralph S., Haddonfield, N. J., assignor to Radio Corporation of America. Television receiver. 2,246,939; June 24.
Holt, William E., Oakland, Calif. Maintenance machine. 2,246,683; June 24.
Holtam, Arthur G., Cheltenham, England. Tap, valve, and the like. 2,247,296; June 24.
Holub, Adolf, Vienna, Germany. Slide needle for taking up loops. 2,246,938; June 24.
Hood, John W., Ridgewood, assignor to M. F. Smith, Montclair, N. J. Pump control. 2,246,940; June 24.
Hooper, Leland S., et al. (See Compton, Beaulard J., assignor.)
Hoover, Charles E., Jr., Maplewood, N. J. Machine for testing and matching colors. 2,247,297; June 24.
Hoover Company, The. (See Becker, Bernard C., assignor.)
Hoover Company, The. (See Carlson, Vernon E., assignor.)
Hoover Company, The. (See Pierce, Frank L., assignor.)
Hoover Company, The. (See Smellie, Donald G., assignor.)
Hopkins, Frank H., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Bellows-type gauge. 2,247,089; June 24.
Hopkins, Llewellyn, assignor of one-half to J. V. Cowden, Butler, Pa. Electrical fitting. 2,247,021; June 24.
Hostutler, Ray H., et al. (See Davis, Louis, assignor.)
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,246,518; June 24.
Houdaille-Hershey Corporation. (See Dall, Edward D., assignor.)
Houdaille-Hershey Corporation. (See Nicolai, Harold, assignor.)
Houdaille-Hershey Corporation. (See Sandberg, Ray A., assignor.)
Hough, James H., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Indicating instrument. 2,246,849; June 24.
Housberg, Roy L., Webster County, Iowa. Fish lure and making the same. 2,246,850; June 24.
Hovland, Henry, Williston Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,247,055; June 24.
Hovorka, Frank G., Twin Falls, Idaho. Lamp. 2,247,022; June 24.
Howard, Alan, Schenectady, N. Y., assignor to General Electric Company. Condenser control apparatus. 2,247,056; June 24.
Høyer, Oluf, Vojens, Denmark. Refrigeration apparatus and method. 2,246,941; June 24.
Hoyt, Frederick A., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone coin collector. 2,246,590; June 24.
Hubbard, Cecil R., assignor to The Garlock Packing Company, Palmyra, N. Y. Machinery packing. 2,246,501; June 24.
Hubbeling, Johan D. W. (See Schilthuis, J. J., and Hubbeling.)
Hudson, H. D., Manufacturing Company. (See Keating, Maurice H., assignor.)
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,246,592; June 24.
Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Electric valve converting system. 2,247,057; June 24.
Humason, Granville A., and W. J. Clay, Houston, Tex.; said Clay assignor to said Humason. Universal flow device for wells. 2,247,023; June 24.
Huntsinger, Fritz, Ventura, Calif. Drilling collar. 2,247,173; June 24.
Hurley, Earl H., Emporium, Pa. Portable support. 2,247,024; June 24.
Hurt, David M., Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic converter. 2,246,684; June 24.
Hyman, Henry. (See Muldoon, Bernard F., assignor.)
Hyman, Henry. (See Rothenberg, H., and Grimsley, assignors.)
Hymans, Frederick, Larchmont, assignor to Otis Elevator Company, New York, N. Y. Elevator cab isolation. 2,246,732; June 24.
I. S. S. A. Industria Specializzata Strumenti Aeronavigazione, Società Anonima. (See Lanciani, Ettore, assignor.)
Iams, Harley A., Collingswood, N. J., assignor to Westinghouse Electric & Manufacturing Company. Unidirectional scanning. 2,246,918; June 24.
Illinois Watch Case Company. (See Osborne, Harry J., assignor.)
Industrial Process Corporation. (See Cordrey, Almon J., assignor.)
Industrial Rayon Corporation. (See Kline, H. B., Fryer, and Burkholder, assignors.)
Industrial Rayon Corporation. (See Torrence, George P., assignor.)
Ingersoll, Elton B., H. G. Pillsbury, F. R. E. Smith, and L. E. Willett, assignors to Chamberlin Metal Weather Strip Company, Detroit, Mich. Safety detention screen. 2,246,995; June 24.
Ingram, Bernard J., Bellevue, assignor of one-half to E. H. Haupt, Bethel Township, Pa. Liquid level control apparatus. 2,246,800; June 24.
International Braid Company. (See Dennis, John R., assignor.)
International Projector Corporation. (See Griffin, Herbert, assignor.)
International Safety Razor Corporation. (See Disbrow, Hamilton G., assignor.)
Irby, William, Saugus, Mass., assignor to General Electric Company. Reflector. 2,247,058; June 24.
Israel, John J., Brooklyn, N. Y. Electro-acoustic system and method. 2,246,593; June 24.
Jackson & Perkins Company. (See Kordes, Wilhelm, assignor.)
Janney Cylinder Company. (See Janney, W. T., and Sorensen, assignors.
Janney, Walter T., and M. H. Sorensen, assignors to Janney Cylinder Company, Philadelphia, Pa. Piston. 2,246,942; June 24.
Jansen, Gerhard, assignor to Cole-Sullivan Engineering Company, Minneapolis, Minn. Draft control apparatus. 2,246,629; June 24.
Jensen, James A., assignor to C. E. Frick, Jr., J. R. McCoy, E. T. Keller, J. H. Jensen, and J. A. Jensen, copartners trading as Philadelphia Valve Company, Philadelphia, Pa. Inserting and removing device. 2,247,025; June 24.
Jensen, John H., et al. (See Jensen, James A., assignor.)

Johannsen, Udo K., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Folding chair adjusting means. 2,247,236; June 24.
Johansen, Einar K., Chicago, assignor to Clearing Machine Corporation, Clearing, Ill. Piston packing. 2,246,685; June 24.
Johansen, Einar K. (See Glasner, R. W., and Johansen.)
Johns-Manville Corporation. (See Rembert, Ernest W., assignor.)
Johnson, Carl O., Kenmore, N. Y. Ski attaching device. 2,247,237; June 24.
Johnson, Charles F., and G. G. Harrington, assignors to Reed Roller Bit Company, Houston, Tex. Valve. 2,246,801; June 24.
Johnson, Manfred J., assignor of one-half to The Lewis Engineering Company, Naugatuck, Conn. Potentiometer. 2,246,884; June 24.
Johnson, Marwin R., Scotia, N. Y., assignor to General Electric Company. Remote control switching apparatus. 2,247,059; June 24.
Johnson, Tomlinson F., Atlanta, Ga. Line implement. 2,246,630; June 24.
Johnson, Walter V., Detroit, Mich. Making fuel briquettes. 2,247,026; June 24.
Johnston, Douglas, assignor to L. R., G. L., E. S., and J. L. Tallman, Shelbyville, Ill. Hydropneumatic pumping system. 2,247,238; June 24.
Johnston & Jennings Company, The. (See Edwards, John R., assignor.)
Johnston, Malcolm K. (See Camilli, A. A., and Johnston.)
Johnston, William D., Jr. (See Geiger, L. M., and Johnston.)
Jones, George H., Lorain, Ohio, assignor to National Tube Company. Pipe joint tester. 2,246,885; June 24.
Jones, Harry S., assignor to The Brown Instrument Company, Philadelphia, Pa. Control system. 2,246,686; June 24.
Jones, Henry, Alliance, Nebr. Mower sickle bar. 2,246,943; June 24.
Jones & Laughlin Steel Corporation. (See Rendleman, Norman C., assignor.)
Jones, Philip, Los Angeles, Calif. Drift recorder. 2,246,519; June 24.
Jones, William T., Newton, and D. J. Connelly, Randolph, assignors to Barnes & Jones, Incorporated, Jamaica Plain, Mass. 2,247,090; June 24.
Jordan, Harvey A., San Antonio, Tex. Separating device. 2,246,851; June 24.
Josam Manufacturing Company. (See Day, Louis J., assignor.)
Jumau, Lucien J., Paris, France. Storage battery. 2,247,091; June 24.
Kaegi, Hans. (See Miecher, K., and Kaegi.)
Kahn, Samuel. (See Sugden, C. N., and Kahn.)
Kale, Raymond B., Des Moines, Iowa. Snap fastener. 2,246,852; June 24.
Kamborian, Jacob S., West Newton, assignor, by mesne assignments, to General Research, Inc., Boston, Mass. Machine for manufacturing prewelt shoes. 2,246,520; June 24.
Kamborian, Jacob S., West Newton, assignor, by mesne assignments, to General Research, Inc., Boston, Mass. Manufacture of prewelt shoes. 2,246,521; June 24.
Kane, J. J. (See Smith, Bernard S., assignor.)
Karpen, S., & Bros. (See van Derveer, Clarence A., assignor.)
Kattwinkel, Hans, Radebeul, Germany. Multiple disk brake, coupling, and the like. 2,247,298; June 24.
Katz, Herman, Oakland, Calif. Eye exercising machine. 2,246,687; June 24.
Kearney, James R., Corporation. (See McCluskey, F. J., and Goldner, assignors.)
Keating, Maurice H., Minneapolis, Minn., assignor to H. D. Hudson Manufacturing Company, Chicago, Ill. Stock tank heater. 2,247,239; June 24.
Keefer, Walter L., assignor to Pangborn Corporation, Hagerstown, Md. Abrading apparatus. 2,246,522; June 24.
Keemle, Samuel R., assignor to Universal Light Metals Company, Hamilton, Ontario, Canada. Electrothermic reduction of volatile metals. 2,247,334; June 24.
Kehm, Horace S., and C. G. Newton, Chicago, Ill., said Newton assignor to said Kehm. Heating system. 2,246,802; June 24.
Keller, Elsie T., et al. (See Jensen, James A., assignor.)
Kendall, Marcus T. (See Ryan, W. J., and Kendall.)
Kerlow Steel Flooring Co. (See Tarof, Ernest L., assignor.)
Kershaw, Stanley C. (See Taylor, W. H., and Kershaw.)
Kiefer, Gustav, assignor to Sociedade Industrial de Maquinas Fekima Limitada, Rio de Janeiro, Brazil. Transmission gear for changing rotating movements into reciprocating movements. 2,246,733; June 24.
King, William J. (See Levine, S. J., and King.)
Kinsella, Edward, Spondon, near Derby, England, assignor to Celanese Corporation of America. Supplying liquids at constant rates. 2,246,594; June 24.
Kircher, Reymond J., Neptune, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic frequency control. 2,246,688; June 24.
Klavík, Miloš, Prague-Smichov, Czechoslovakia. Two-cylinder two-stroke engine. 2,247,299; June 24.
Klavík, Miloš, Prague-Smichov, Czechoslovakia. Driving unit for automobiles. 2,247,300; June 24.
Kleeb, Walter E. (See Schultz, H. C. T., and Kleeb.)
Kleijn, Adrianus, Rotterdam, Netherlands. Apparatus for charging a current of air with a volatile substance. 2,246,734; June 24.
Klein, Harry H., New York, N. Y. Hair curler. 2,247,240; June 24.
Kline, Hayden B., L. S. Fryer, and A. H. Burkholder, assignors to Industrial Rayon Corporation, Cleveland, Ohio. Method of processing thread. 2,246,735; June 24.
Klumpp, Ferdinand, Weehawken Township, Hudson County, and F. Lambach, Belleville Township, Essex County, assignors, by mesne assignments, to Robert Reiner, Incorporated, Weehawken, N. J. Knitting machine. 2,247,092; June 24.
Knaus, Nicholaus, Newark, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Trimming mechanism for sewing machines. 2,247,127; June 24.
Knick, Ulrich, Berlin-Steglitz, assignor to the firm of Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany. Scanning method for television image analyzers. 2,246,631; June 24.
Knight Brothers, et al. (See Asbury, George F., assignor.)
Knight, Ira W., assignor to General Fire Extinguisher Company, Providence, R. I. Thermally controlled valve. 2,247,241; June 24.
Knight, Octavius, trustee. (See Asbury, George F., assignor.)
Knudsen, Vern O., Los Angeles, Calif. Ear stopper. 2,246,736; June 24.
Knudsen, Vern O., Los Angeles, Calif. Ear stopper. 2,246,737; June 24.
Koehring Company. (See Mortag, Edward H., assignor.)
Kösslinger, Karl. (See Esselmann, P., Kösslinger, and Düsing.)
Kost, Alwin, Portland, Oreg. Mechanical movement. 2,246,689; June 24.
Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Pipe joint and gasket therefor. 2,246,977; June 24.
Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Friction device. 2,246,978; June 24.
Kraft, Herman T., Akron, and W. C. McCoy, Shaker Heights, assignors to The General Tire & Rubber Company, Akron, Ohio. Frictional torque transmitting device. 2,246,979; June 24.
Krantz, Hubert K., Rockville Centre, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Latching device. 2,246,919; June 24.
Krefft, Hermann, Berlin-Schoneberg, K. Larché, Berlin-Tempelhof, and H. Kummer, Neuenhagen-Sud, near Berlin, Germany, assignors to General Electric Company. Electric mixed light lamp with mercury pressure discharge for alternating current circuits. 2,247,198; June 24.
Kriedel, Hans, Wiesbaden, Germany. Nipple with coupling head for high pressure lubricant devices. 2,247,242; June 24.
Kreis, Friedrich, Berlin-Lichterfelde, assignor to Gesellschaft zur Konstruktion und Verwertung Automatisch-Mechanischer Getriebe m. b. H., Berlin-Oberschoneweide, Germany. Change-speed gearing. 2,246,996; June 24.
Kritzer, Richard W., assignor to Thermek Corporation, Chicago, Ill. Making heat exchangers. 2,247,199; June 24.
Kritzer, Richard W., assignor to Thermek Corporation, Chicago, Ill. Heat exchange element and making the same. 2,247,243; June 24.
Kroll, William, Luxemburg, Luxemburg. Manganese-base alloy and making and using the same. 2,246,886; June 24.
Kromholz, Louis L., White Plains, N. Y. Variable photographic mask for maintaining constant proportions of a visible area. 2,246,920; June 24.
Krüssmann, Adolf, Berlin-Wilmersdorf, Germany, assignor to Askania-Werke A. G. Electrically operated device for transmitting angular movement. 2,246,887; June 24.
Kudar, Hans, Berlin-Schoneberg, Germany. Color photography. 2,246,997; June 24.
Kuhn, Jackson G. (See Garity, W. E., and Kuhn.)
Kuhn, John J., Elizabeth, W. T. Pritchard, Belvidere, N. J., and A. R. Saunders, Rosebank, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Dialing tool. 2,247,027; June 24.
Kulik, Irving, Brooklyn, N. Y. Power razor. 2,246,523; June 24.
Kulite Corporation. (See Shepard, Bernard J., assignor.)
Kummer, Frederick S., assignor to Econoscope Corporation, New York, N. Y. Elevator position indicator. 2,246,921; June 24.
Kummer, Hermann. (See Krefft, H., Larché, and Kummer.)
Kuntz, Frank A., Woodhaven, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone booth cooling apparatus. 2,247,028; June 24.
Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Germicide. 2,246,524; June 24.
Lambach, Fritz. (See Klumpp, F., and Lambach.)
Lanciani, Ettore, Milan, assignor of one-half to I. S. S. A. Industria Specializzata Strumenti Aeronavigazione, Società Anonima, Ponte S. Pietro, Italy. Sight correcting device for weapons. 2,246,632; June 24.

Landolt, Percy E., et al. (See Bodine, Charles B., assignor.)
Larché, Kurt. (See Krefft, H., Larché, and Kummer.)
Larkin, Martin J., West Hartford, assignor of one-half to F. J. O'Neil, and one-tenth to H. H. O'Neil, Hartford, Conn. Foot gripper for shoes. 2,246,944; June 24.
Lauck, Friedrich, Lubeck-Travemunde, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany. Means for mounting gyros. 2,246,738; June 24.
Lawlor, John T., New York, N. Y. Advertising device. 2,246,633; June 24.
Lawson Products, Incorporated. (See Lawson, Robert H., assignor.)
Lawson, Robert H., assignor to Lawson Products, Inc., Pawtucket, R. I. Strand feed-controlling mechanism for textile or other machines. 2,247,244; June 24.
Lawson, Robert H., assignor to Lawson Products, Incorporated, Pawtucket, R. I. Strand feed-controlling mechanism for textile and other machines. 2,247,245; June 24.
Leach, Val A., Los Angeles, Calif. Relay. 2,246,739; June 24.
Leaton Corporation, The. (See Palmer, Keene E., assignor.
Lee Clay Products Company. (See Bowne, Martin S., assignor.)
Lee Engineering Research Corporation. (See Lee, Royal, assignor.)
Lee, Royal, assignor to Lee Engineering Research Corporation, Milwaukee, Wis. Motor switch protective means. 2,246,803; June 24.
Lee, Stewart C. (See Alessi, J. H., and Lee.)
Lehmann, Herbert G., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,247,093; June 24.
Leonard, Frederick C., Cranston, R. I. Thermostatic material. 2,246,690; June 24.
Leonard, Stehman W., Martinsburg, W. Va. Low pressure fuel air injection and ignition system. 2,246,998; June 24.
Les Usines de Melle. (See Guinot, Henri M., assignor.)
Lesser, Otto, Berlin-Wilmersdorf, Germany, assignor to Askania-Werke A. G. Means for controlling pressure fluid. 2,247,301; June 24.
Lethbridge, William R., Darlinghurst, near Sydney, New South Wales, Australia. Windscreen wiper. 2,246,740; June 24.
Letz Manufacturing Company, The. (See Holland-Letz, John, assignor.)
Levey, Alvin M., Pine Bluff, Ark. Boat and luggage carrier. 2,247,128; June 24.
Levine, Samuel J., and W. J. King, East Orange, N. J., assignors to General Electric Company. Gas furnace control. 2,247,060; June 24.
Lévy, René L., Paris, France, assignor to Société d'Inventions Aéronautiques et Mecaniques S. I. A. M., Fribourg, Switzerland. Hydraulic remote control device. 2,247,302; June 24.
Lewis, Charles H. (See Urbain, O. M., and Stemen, assignors.)
Lewis Engineering Company, The. (See Johnson, Manfred J., assignor.)
Libbey-Owens-Ford Glass Company. (See Drake, John L., assignor.)
Libbey-Owens-Ford Glass Company. (See Pearse, John P., assignor.)
Lieberknecht, Karl R., Oberlungwitz in Saxony, Germany. Needle bar for flat hosiery machines. 2,247,303; June 24.
Lindberg, Otto G., et al. (See Asbury, George F., assignor.)
Lindbloom Charles V., Cranford, and H. B. Hendrix, Elizabeth, N. J., assignors to Standard Oil Development Company. Protective device for electric lamp assemblies. 2,246,945; June 24.
Lindeberg, Carl, De Kalb, Ill., assignor to The Rudolph Wurlitzer Company. Shift mechanism for accordions. 2,247,200; June 24.
Lindley, Frederick A., Jr. (See Batchelor, J. C., and Lindley.)
Lindsay, Maxwell H. A., Summit, N. J., and K. Woloschak, assignors to The American District Telegraph Company, New York, N. Y. Micro-wave radio alarm system. 2,247,246; June 24.
Lindsay Ripe Olive Company. (See Drake, Edward P., assignor.)
Lipschutz, Martin, New York, N. Y. Method of smoking food and apparatus for use in connection therewith. 2,246,804; June 24.
Little, Charles H., assignor of one-tenth to C. H. Little, Cleveland Heights, Ohio. Ruler. 2,247,157; June 24.
Little, Charles Hubbard. (See Little, Charles H., assignor.)
Little, Edwin G., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Highway crossing gate. 2,247,129; June 24.
Little, M. S., Manufacturing Company, The. (See Simpson, William K., assignor.)
Lodge, Edmund G., assignor to Stackpole Carbon Company, St. Marys, Pa. Push button switch. 2,247,061; June 24.
Loen, Hans, Bloomfield, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Luminous indicator. 2,246,741; June 24.
Löhner, Kurt, assignor to Bayerische Motoren Werke Aktiengesellschaft, Munich, Germany. Air cooling means for internal combustion engines. 2,247,094; June 24.
Lomax, Clarence E., Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,246,742; June 24.
Lomax, Clarence E., and O. D. Grandstaff, Oak Park, assignors to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,246,743; June 24.
Loos, Alfred, Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker operating means. 2,247,201; June 24.
Lorraine, Richard G., Schenectady, N. Y., assignor to General Electric Company. Phase balance condition responsive device. 2,247,062; June 24.
Lovelace, Leston L., et al. (See Alessi, J. H., and Lee, assignors.)
Lowe, Joe, Corporation. (See Roth, Ernest J., assignor.)
Lowe, Joe, Corporation. (See Roth, E. J., and Ellis, assignors.)
Luck, David G. C., Oaklyn, N. J., assignor to Radio Corporation of America. Navigation instrument. 2,247,029; June 24.
Lupo, Leo, New York, N. Y. Planting, gardening, and landscaping apparatus. 2,246,946; June 24.
Lyons, Henry N., Maplewood, N. J., assignor to Cities Service Oil Company, New York, N. Y. Synthesis of olefin derivatives. 2,246,980; June 24.
Maag-Zahnräder und-Maschinen A. G. (See Fischer, Georg, assignor.)
Macarello Corporation, The. (See Zuccarello, William E., assignor.)
Macchioni, Pietro A., assignor to Soc. An. S. I. M. B. I., Turin, Italy. Rotary frequency reducer for electromagnetic hammers. 2,246,922; June 24.
MacDougall, Bon G., assignor to R. T. Moloney, Chicago, Ill. Ball rolling game. 2,247,095; June 24.
Macklin, Donald J. (See Bachman, B. B., and Macklin.)
Maguire, Nelson H., Hartford, Conn. Mover's dolly. 2,247,096; June 24.
Mahon, R. C., Company. (See Bingman, Frederick P., assignor.)
Manning, Maxwell & Moore, Incorporated. (See Hopkins, Frank H., assignor.)
Manning, Maxwell & Moore, Incorporated. (See Sugden, C. N., and Kahn, assignors.)
Manus, George K., Los Angeles, Calif. Tailor's measuring apparatus. 2,246,744; June 24.
Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Obtaining pregnandione compounds. 2,246,595; June 24.
Marshall, William B., assignor to Chain Belt Company, Milwaukee, Wis. Self-cleaning bearing. 2,246,805; June 24.
Martin, Andrew S., Salem, Ohio. Mending kit. 2,246,853; June 24.
Martin, Erle, West Hartford, and J. E. Anderson, Portland, assignors to United Aircraft Corporation, East Hartford, Conn. Propeller pitch control valve. 2,246,745; June 24.
Martin, George D., Nitro, W. Va., assignorto Monsanto Chemical Company, St. Louis, Mo. Stabilizing fatty compositions. 2,247,280; June 24.
Martin, George D., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilizing fatty composition. 2,247,281; June 24.
Martin, J. F., et al. (See Overbey, Herman T., assignor.)
Martin, Signr. (See Babin, Joseph, assignor.)
Martin, William H., Detroit, Mich. Welder. 2,246,806; June 24.
Martinelli, Ciro C., Oaklyn, N. J., assignor to Radio Corporation of America. Automatic gain control. 2,246,947; June 24.
Maschinen-und Metallwaren-Handelsgesellschaft m. b. H. (See Heinrich, J., and Spilger, assignors.)
Master Metal Products, Inc. (See Geibel, John F., assignor.)
Matheson, Lorne A., N. B. Nichols, H. A. Robinson, and C. F. Du Chene, assignors to The Dow Chemical Company, Midland, Mich. Apparatus and method for electrochemical analysis. 2,246,981; June 24.
Matter, Albert J., Parkridge, assignor of one-half to E. B. Fallon, Chicago, Ill. Automatic wrapping machine. 2,246,525; June 24.
Maurer, Spencer R. (See Van Sittert, P., and Maurer.)
McCarty, John E. D., Akron, Ohio, and M. F. Peters, Beltsville, Md. Spark plug and making same. 2,246,948; June 24.
McCluskey, Francis J., and G. W. Goldner, assignors to James R. Kearney Corporation, St. Louis, Mo. Fuse switch. 2,246,807; June 24.
McCombs, Virgil. (See Pellegrini, Phillip, assignor.)
McCoy, J. Rodney, et al. (See Jensen, James A., assignor.)
McCoy, Milo H., Longmont, Colo. Barber's comb. 2,246,746; June 24.
McCoy, William C. (See Kraft, H. T., and McCoy.)
McCurdy, Howard, Walnut Park, Calif. Noise and wave muffling conduit for fluid under pressure. 2,247,130; June 24.
McIntosh, Robert E. (See Tyler, J. M., and McIntosh.)

McKechnie, Ian C., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Vehicle lamp. 2,246,808; June 24.
Mela, Matti, Miami Beach, Fla. Storage furnace. 2,247,304; June 24.
Meletio, William A., St. Louis, Mo. Portable utility fryer. 2,246,854; June 24.
Melof, Easton, assignor to National Aluminate Corporation, Chicago, Ill. Resinous product having anion exchange properties and producing same. 2,246,526; June 24.
Melof, Easton, assignor to National Aluminate Corporation, Chicago, Ill. Resinous product having anion exchange properties and producing same. 2,246,527; June 24.
Menshih, Nicholas, Cranford, N. J., assignor to Standard Oil Development Company. Catalytic cracking of hydrocarbon oil. 2,247,097; June 24.
Messenger, Archibald R., Mattapoisett, Mass. Rivet. 2,246,888; June 24.
Metzger, Peter, Anaheim, Calif. Fruit clipper. 2,246,747; June 24.
Meuer, George J., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,247,247; June 24.
Meunier, Leon F., Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y. Brake for hoists. 2,246,923; June 24.
Micro Switch Corporation. (See Coleman, Edwin D., assignor.)
Micro Switch Corporation. (See Eaton, Malcolm W., assignor.)
Micro Switch Corporation. (See Fetter, Norman C., assignor.)
Micro Switch Corporation. (See Riche, Arthur L., assignor.)
Micro-Westco, Inc. (See Nelbert, Harold, assignor.)
Miescher, Karl, Riehen, and H. Kaegi, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Structural isomer of progesterone. 2,246,889; June 24.
Miessner, Benjamin F., Millburn Township, Essex County, N. J., assignor to Miessner Inventions, Inc. Apparatus for the production of music. 2,246,855; June 24.
Miessner Inventions, Inc. (See Miessner, Benjamin F., assignor.)
Miller, Christian, assignor to Edwards and Company, Inc., Norwalk, Conn. Transformer construction. 2,246,890; June 24.
Miller, Howard W., assignor of one-fourth to C. F. Ridenour, Piqua, Ohio. Oil burner. 2,246,809; June 24.
Miller, J. E., Company. (See Twyning, Robert V., assignor.)
Miller, Herbert A., assignor to Herbert A. Miller Shoe Co., Danvers, Mass. Boot and shoe lasting machine. 2,246,748; June 24.
Miller, Herbert A., Shoe Co. (See Miller, Herbert A., assignor.)
Mills Novelty Company. (See Trask, Allen, assignor.)
Milwaukee Saddlery Company. (See Bloomberg, Joseph E., assignor.)
Mitchell, Irvin S., Philadelphia, Pa. Television system and scanning apparatus. 2,247,030; June 24.
Mittelstaedt, John S., and A. J. Rantz, New Orleans, La. Beverage cooler and dispenser. 2,246,634; June 24.
Moeckel, John N., Saco, Maine, assignor to Peppereli Manufacturing Company, Boston, Mass. Blanket. 2,246,749; June 24.
Moise, Bolton C., Pittsburgh, Pa., assignor to National Tube Company. Joint for step-down pipe piling. 2,246,891; June 24.
Molins, Desmond W., assignor to Molins Machine Company Limited, Deptford, London, England. Tobacco feeding apparatus. 2,246,892; June 24.
Molins Machine Company Limited. (See Molins, Desmond W., assignor.)
Moll, Harold W. (See Smith, F. B., and Moll.)
Möller, Fredrik A., assignor to Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands. Preparing irreversible starch derivatives. 2,246,635; June 24.
Moloney, Raymond T. (See MacDougall, Bon G., assignor.)
Monsanto Chemical Company. (See Kyrides, Lucas P., assignor.)
Monsanto Chemical Company. (See Martin, George D., assignor.)
Monson, Louis T., Alhambra, and W. W. Anderson, Montebello, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Resolving petroleum emulsions. 2,246,856; June 24.
Moore, Royal T., Buffalo, N. Y., assignor to Consolidated Packaging Machinery Corporation. Bag closure. 2,246,596; June 24.
Morgan Construction Company. (See Morgan, W., and Whalen, assignors.)
Morgan, Frederick W., London, England. Apparatus for cutting and/or marking buttonholes and effecting similar operations. 2,247,305; June 24.
Morgan, Weld, Worcester, and J. N. Whalen, Boylston, assignors to Morgan Construction Company, Worcester, Mass. Wire drawing block. 2,247,248; June 24.
Morris, George E. (See Erke, E. G., and Morris.)
Morris, George L., et al. (See Alessi, J. H., and Lee, assignors.)
Morrison, Willard L., Lake Forest, Ill. Air cooling and circulating device. 2,246,999; June 24.
Mortag, Edward H., Wauwatosa, assignor to Koehring Company, Milwaukee, Wis. Boom bucket. 2,247,158; June 24.
Morton, Floyd, Maywood, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone instrument casing lock. 2,247,249; June 24.
Muldoon, Bernard F., Mountain View, N. J., assignor to H. Hyman, Brooklyn, N. Y. Bracket for flashlights. 2,247,131; June 24.
Müller, Leopold, Heidenreichstein, Neider-Donau, assignor to Brüder Eisert A. G., Vienna, Germany. Combined cigarette case and lighter. 2,247,174; June 24.
Munro, George C. (See Bradner, D. B., and Munro.)
Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Coupling and coupling installation. 2,246,750; June 24.
Musher, Albert, assignor to Musher Corporation, New York, N. Y. Spice. 2,246,528; June 24.
Musher Corporation. (See Musher, Albert, assignor.)
Myers, Eugene A. (See Vollberg, C. J., and Myers.)
Myers, Lee A. (See Collier, C. S., and Myers.)
Naamlooze Vennootschap: W. A. Scholten's Chemische Fabrieken. (See Möller, Fredrik A., assignor.)
Nabenhauer, Fred P., Somerton, assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Xylyl methyl carbinamine. 2,246,529; June 24.
Nash, Manley K. (See Thomas, A. J., and Nash.)
Nassau Smelting & Refining Company. (See Schench, William A., assignor.)
National Aluminate Corporation. (See Melof, Easton, assignor.)
National Stamping Company. (See Gieleghem, M. J., and Thoma, assignors.)
National Tube Company. (See Burge, A., and Engelhardt, assignors.)
National Tube Company. (See Jones, George H., assignor.)
National Tube Company. (See Moise, Bolton C., assignor.)
Naylor, Walter E. (See Beardsley, E. O., and Naylor.)
Nederbragt, Gerrit W., Amsterdam, The Netherlands, assignor to Shell Development Company, San Francisco, Calif. Fractionating hydrocarbon oils. 2,246,982; June 24.
Nelbert, Harold, Davenport, assignor to Micro-Westco, Inc., Bettendorf, Iowa. Pump. 2,247,335; June 24.
Nelson, Albert, near Santa Clara, Calif. Submersible motor for deep well turbine pumps. 2,246,751; June 24.
Neville Company, The. (See Geiger, L. M., and Johnston, assignors.)
Newman, Delbert F., Schenectady, N. Y., assignor to General Electric Company. Refrigerator. 2,247,063; June 24.
Newton, Courtland G. (See Kehm, H. S., and Newton.)
Nichols, Nathaniel B. (See Matheson, L. A., Nichols, Robinson, and Du Chene.)
Nicolai, Harold, Chicago, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Conveyer chain. 2,246,810; June 24.
Niederer, Herbert O. and O. C., Titusville, N. J. Egg grading mechanism. 2,246,597; June 24.
Niederer, Otto C. (See Niederer, Herbert O. and O. C.)
Nitschke, William H., New York, N. Y. Dental engine. 2,246,530; June 24.
Nobis, Harry M., East Cleveland, assignor to M. J. Nobis, Cleveland, Ohio. Heating and cleaning fluid system. 2,246,691; June 24.
Nobis, Mary J. (See Nobis, Harry M., assignor.)
Nordberg Manufacturing Company. (See Barlow, Richard, assignor.)
Norhmark, Henry P., assignor to American Seating Company, Grand Rapids, Mich. Chair seat. 2,246,893; June 24.
Norton, Charles E., assignor to Norton-McMurray Manufacturing Company, Chicago, Ill. Pipe coupling. 2,247,031; June 24.
Norton, Charles E., assignor to Norton-McMurray Manufacturing Company, Chicago, Ill. Pipe joint. 2,247,032; June 24.
Norton Company. (See Flygare, Carl G., assignor.)
Norton-McMurray Manufacturing Company. (See Norton, Charles E., assignor.)
Novak, Izador J., Trumbull, assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn., Apparatus for saturating fibrous stock. 2,246,531; June 24.
Nowak, Paul, Berlin-Charlottenburg, Germany, assignor to General Electric Company. Electrically insulating composition. 2,247,064; June 24.
Oberg, Elmer B., Evanston, assignor to United States Gypsum Company, Chicago, Ill. Coating composition and making the same. 2,246,983; June 24.
Oblad, Alex G. (See Heard, L., and Oblad.)
Oelkers, Alfred H., assignor to American Steel Foundries, Chicago, Ill. Brake hanger bracket. 2,246,894; June 24.
Oelkers, Ore. (See Fuglie, E., and Oelkers.)
Oermann, Carl H., and J. F. Engdahl, York, Pa.; said Engdahl assignor to said oermann. Sled. 2,247,033; June 24.
Ohme, Walter F., Minneapolis, Minn. Bag rack. 2,246,692; June 24.
Ohme, Walter F., Minneapolis, Minn. Dispenser. 2,246,693; June 24.

O'Keeffe, James G., Verona, assignor to Public Service Electric & Gas Co., Newark, N. J. Gas set and method. 2,247,336; June 24.

Olivetti, Ing. C., & C., S. A. (See Beccio, Giuseppe, assignor.)

Olympia Buromaschinenwerke A. G. (See Demmel, Anton, assignor.)

O'Neil, Francis J., et al. (See Larkin, Martin J., assignor.)

O'Neil, Helen H., et al. (See Larkin, Martin J., assignor.)

Örström, Bustaf, Alsten, Sweden, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Alstromergatan, Sweden. Device for assembling articles. 2,247,175; June 24.

Osborne, Harry J., assignor to Illinois Watch Case Company, Elgin, Ill. Case. 2,246,598; June 24.

O'Shields, William T., Seneca, assignor to Bahan Textile Machinery Company, Greenville, S. C. Whip roll cam arm. 2,246,694; June 24.

Otis Elevator Company. (See Hymans, Frederick, assignor.)

Otis, Herbert C., Dallas, Tex. Well flowing device. 2,246,811; June 24.

Overbey, Herman T., assignor of 45 per cent to J. F. Martin and ten per cent to H. P. Taylor, Wadesboro, N. C. Spindle mounting. 2,246,895; June 24.

Overhoff, Johan. (See Wibaut, J. P., and Overhoff.)

Owens, James W., and H. Davids, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill. Engine frame construction. 2,246,857; June 24.

Oxley, Horace F., and E. B. Thomas, Spondon, near Derby, England, assignors to Celanese Corporation of America. Making higher fatty acid anhydrides. 2,246,599; June 24.

Packard Motor Car Company. (See Best, Frank C., assignor.)

Paddock, Raymond E., Lynn, Mass., assignor to American Chain & Cable Company, Inc. Vertical guard and supplemental protecting means. 2,246,752; June 24.

Paddock, Raymond E., Lynn, Mass., assignor to American Chain & Cable Company, Inc. Vertical guard and supplemental guardrail securing means. 2,246,753; June 24.

Palmer, Keene E., assignor to The Leaton Corporation, Chicago, Ill. Adhesive display. 2,246,984; June 24.

Pangborn Corporation. (See Keeter, Walter L., assignor.)

Parke, Davis & Company. (See Marker, Russell E., assignor.)

Parker Brothers, Incorporated. (See Patterson, Joseph W., assignor.)

Parker Brothers, Incorporated. (See Phelps, Charles A., assignor.)

Parsons, Edward T., Upper Montclair, assignor to Thomson Machine Company, Belleville, N. J. Doughpiece shaping machine. 2,246,949; June 24.

Partridge & Anderson Company. (See Taylor, Milton C., assignor.)

Partridge, Harry C., West Nyack, N. Y. Screen retainer. 2,247,306; June 24.

Patch, Theodore B., Boston, Mass. Electric brake. 2,247,159; June 24.

Patterson, Joseph W., Tulsa, Okla., assignor to Parker Brothers, Incorporated, Salem, Mass. Game. 2,247,250; June 24.

Paul, Philip T., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Aryl-amino alkenyl phenols. 2,246,924; June 24.

Pauli, Wolfgang, and P. Stamberger, Vienna, Austria, assignors, by mesne assignments, to the firm Dunlop Plantations Limited, London, England. Purifying and concentrating caoutchouc dispersons or the like. 2,247,065; June 24.

Pearse, John P., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Tong. 2,247,098; June 24.

Peck, Edward B., Elizabeth, N. J., assignor to Standard Oil Development Company. Catalyst regeneration. 2,246,950; June 24.

Pelcé, Henri, Flixecourt, assignor to Société dite: Saint Freres, Société anonyme, Paris, France. Weft fork for circular weaving looms. 2,247,307; June 24.

Pellegrini, Phillip, Glendale, assignor to V. McCombs, Los Angeles, Calif. Foldable step. 2,246,985; June 24.

Pellegrini, Phillip, Glendale, assignor to V. McCombs, Los Angeles, Calif. Folding step for trucks. 2,246,986; June 24.

Penfold, Norman C. (See Ames, J. G., and Penfold.)

People in the territory of the United States, Dedicated to the free use of the. (See Robinson, Helen M., assignor.)

Pepperell Manufacturing Company. (See Moeckel, John N., assignor.)

Peter, William J., New York, N. Y., assignor to Aqua Systems Inc. Pump unit for liquid dispensing apparatus. 2,246,951; June 24.

Peters, John F., Leonia, N. J., assignor to American Can Company, New York, N. Y. Container reclosure. 2,246,533; June 24.

Peters, Melville F. (See McCarty, J. E. D., and Peters.)

Peterson, Carl D., and E. J. Barth, assignors to Spicer Manufacturing Corporation, Toledo, Ohio. Transmission gearing. 2,246,636; June 24.

Peterson, Eugene, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alternating current wave production. 2,246,534; June 24.

Peterson, George H. (See Darrow, W. E., Peterson, and Yost.)

Petrolite Corporation, Ltd. (See De Groote, Melvin, assignor.)

Petrolite Corporation, Ltd. (See Monson, L. T., and Anderson, assignors.)

Pfaudler Co., The. (See Bailey, Dana H., assignor.)

Phelps, Charles A., assignor to Parker Brothers, Incorporated, Salem, Mass. Box covering machine. 2,246,858; June 24.

Philadelphia Air Transport Company. (See Smith, John W., assignor.)

Philadelphia Valve Company. (See Jensen, James A.)

Philco Corporation. (See Smith, David B., assignor.)

Philco Radio and Television Corporation. (See Harman, Emil L., assignor.)

Philco Radio and Television Corporation. (See Travis, Charles, assignor.)

Phillips, Charles E., Indianapolis, Ind. Container. 2,246,695; June 24.

Phillips, Oliver V. (See Gobel, R. W., and Phillips.)

Phillips Petroleum Company. (See Carney, Samuel C., assignor.)

Phillips Petroleum Company. (See Schulze, W. A., and Frey, assignors.)

Pierce, Frank L., assignor to The Hoover Company, North Canton, Ohio. Fan casing. 2,246,859; June 24.

Piffath, Peter, Great Neck, N. Y. Magneto. 2,246,754; June 24.

Pillsbury, Howard G. (See Ingersoll, E. B., Pillsbury, Smith, and Willett.)

Pirani, Marcello, Berlin-Wilmersdorf, H. Ewest, Berlin, and K. Becker, Berlin-Steglitz, Germany, assignors to General Electric Company. Gaseous electric discharge device. 2,247,176; June 24.

Pitcairn, Harold F., Bryn Athyn, assignor to Autogiro Company of America, Willow Grove, Pa. Aircraft sustaining rotor. 2,247,034; June 24.

Pittsburgh Equitable Meter Company. (See Thoresen, E., and Genung, assignors.)

Pivoto, Felix L., Liberty, Tex. Welded on blade bit. 2,246,812; June 24.

Platz, Elwood T. (See Frank, W. H., and Platz.)

Playfair, Charles G., Los Angeles, Calif. Pneumatic device. 2,246,535; June 24.

Polk Development Company, The. (See Polk, Ralph, Sr., and Ralph, Jr., assignors.)

Polk, Riaph, Jr. (See Polk, Ralph, Sr., and Ralph, Jr.)

Polk, Ralph, Sr., Miami, and R. Polk, Jr., Haines City, assignors to The Polk Development Company, Tampa, Fla. Apparatus for sectionizing citrus fruits. 2,246,896; June 24.

Poole, Lloyd C. (See Viebahn, W., W., and Poole.)

Popoff, Mintscho, Berlin, Germany. Spraying process and apparatus. 2,247,000; June 24.

Popp, Antone J., Chicago, Ill. Trap. 2,247,066; June 24.

Potter, Charles E., Richmond Heights, Mo. Burglar alarm. 2,247,251; June 24.

Potter, Charles W., Waltham, Mass. Autographic register. 2,247,067; June 24.

Powers, Milton A., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Liquid fuel burner. 2,247,001; Pravaz, Henry, Caluire, France. Catalytic heating apparatus. 2,247,035; June 24.

Preston, Laurence A., Houston, Tex. Vehicle bed construction. 2,246,813; June 24.

Price, Charles S., Hollis, N. Y. Manufacture of seals and the like. 2,247,252; June 24.

Price, Herman M., et al. (See Compton, Beaulard J., assignor.)

Price, James R., Jr. (See Ubben, R. T., and Price.)

Primus, Ralph A., Cherokee, Iowa. Typewriter erasing key. 2,246,925; June 24.

Prins, Klaas, Chicago, Ill. Coal cleaning apparatus. 2,246,532; June 24.

Pritchard, William T. (See Kuhn, J. J. Pritchard, and Saunders.)

Przyborowski, Stanislaus, Tonawanda, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Method of and means for controlling the effective depth of immersion baths. 2,247,132; June 24.

Public Service Electric & Gas Co. (See O'Keeffe, James G., assignor.)

Pullman-Standard Car Manufacturing Company. (See Blomberg, Martin P., assignor.)

Purdue Research Foundation. (See Vanderbilt, Byron M., assignor.)

Putnam, Paul T., and M. T. Works, Houston, Tex., assignors to Cameron Iron Works. Pressure seal for flange connection. 2,246,600; June 24.

Radio Corporation of America. (See Ballard, Randall C., assignor.)

Radio Corporation of America. (See Bond, Donald S., assignor.)

Radio Corporation of America. (See Braaten, Arthur M., assignor.)

Radio Corporation of America. (See Goodenough, Ernest F., assignor.)

Radio Corporation of America. (See Hansell, Clarence W., assignor.)

Radio Corporation of America. (See Holmes, Ralph S., assignor.)

Radio Corporation of America. (See Luck, David G. C., assignor.)

Radio Corporation of America. (See Martinelli, Ciro C., assignor.)

Radio Corporation of America. (See Reid, John D., assignor.)

Radio Corporation of America. (See Roberts, Walter V., assignor.)

Radio Corporation of America. (See Schick, John R., assignor.)

Radio Corporation of America. (See Strutt, M. J. O., and van der Ziel, assignors.)

Radio Corporation of America. (See Trevor, Bertram, assignor.)

Radlovich, Harry, Detroit, Mich. Process of making rubber articles. 2,247,337; June 24.

Ramo, Simon, Schenectady, N. Y., assignor to General Electric Company. High frequency apparatus. 2,247,338; June 24.

Ramo, Simon. (See Blewett, J. P., and Ramo.)

Rantz, August J. (See Mittelstaedt, J. S., and Rantz.)

Ratkowski, Thomas A., Chicago Heights, Ill., assignor to The American Brake Shoe and Foundry Company, New York, N. Y. Replaceable tooth for excavating implements and the like. 2,247,202; June 24.

Raybestos-Manhattan, Inc. (See Novak, Ivador J., assignor.)

Rea, Wilton T., Bayside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,246,952; June 24.

Read, John C. (See Boag, J. W., and Read.)

Redler Conveyor Company. (See Drake, Evert L., assignor.)

Redman, Frank R., Yardley, Pa. Pile fabric. 2,247,308; June 24.

Reed Roller Bit Company. (See Johnson, C. F., and Harrington, assignors.)

Rees, Mackworth G., Detroit, Mich. Current supply means. 2,247,133; June 24.

Rehm, Edwin R., Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company. Hydraulic brake control system. 2,246,814; June 24.

Reid, John D., Philadelphia, Pa., assignor to Radio Corporation of America. Oscillator system. 2,246,696; June 24.

Reiner, Robert, Incorporated. (See Klumpp, F., and Lambach, assignors.)

Reinhardt, George F., et al. (See Bour, Joseph A., assignor.)

Reinthaler, Josef, Berlin-Reinickendorf, Germany. Thermostat and other thermomotive means. 2,246,536; June 24.

Reissnagel-und Metallkurzwarenfabrik Heinrich Sachs. (See Vancura, Rudolf, assignor.)

Reiter, Henry J., assignor to Brown & Bailey Company, Philadelphia, Pa. Paper bottle. 2,246,755; June 24.

Rembert, Ernest W., Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Making asbestos-cement pipe. 2,246,537; June 24.

Rendleman, Norman C., Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation. Making dished articles. 2,247,002; June 24.

Renner, Roderick D. (See Weinig, A. J., and Renner.)

Resistoflex Corporation. (See Dangelmajer, Charles, assignor.)

Revere Copper and Brass Incorporated. (See Goulding, Joseph M., assignor.)

Reynolds, John F., Pasadena, and W. A. Abegg, Los Angeles, Calif. Signal. 2,246,637; June 24.

Rezsny, Koloman, Budapest, Hungary. Driving device for the transmission of power by rolling elements, especially for driving timing mechanisms of tachometers. 2,246,538; June 24.

Rice, Frank E., Detroit, Mich. Faucet. 2,247,099; June 24.

Rice, Frank E., Detroit, Mich. Tap. 2,247,100; June 24.

Richard, Charles D., West Brighton, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone call transmitter. 2,246,697; June 24.

Richard, Charles D. (See Roberts, J. G., and Richard.)

Richards, James R., Seattle, Wash. Tire patch mold. 2,246,860; June 24.

Riche, Arthur L., assignor to Micro Switch Corporation, Freeport, Ill. Control apparatus. 2,246,756; June 24.

Richter, Robert, assignor to Carl Zeiss, Jena, Germany. Anastigmatic photographic objective. 2,247,068; June 24.

Riedenour, C. F. (See Miller, Howard W., assignor.)

Rigoni, Joseph. (See Romano, J. D., and Rigoni.)

"Rikur" K. Kurt Richter, G. m. b. H. (See Eps, Siegfried, assignor.)

Roberts, John G., Dobbs Ferry, and C. D. Richard, West New Brighton, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Call transmitter device. 2,246,698; June 24.

Roberts, Walter V., Princeton, N. J., assignor to Radio Corporation of America. Amplifier circuit. 2,247,203; June 24.

Robichaux, Sosthene. (See Barrett, G. J., and Robichaux.)

Robinson, Harold A. (See Matheson, L. A., Nichols, Robinson, and Du Chene.)

Robinson, Helen M., Washington, D. C., dedicated to the free use of the People in the Territory of the United States. Process of rendering fabric resistant to fungal and bacterial attack. 2,247,339; June 24.

Robinson Packer Company. (See Fisher, Charles W., assignor.)

Robison, William M., Mount Holly, N. J. Oil supply indicating mechanism for internal combustion engines. 2,247,309; June 24.

Rockwood, Earl L., Toledo, Ohio, assignor to G. D. Davis, South Orange, N. J. Shampoo apparatus. 2,247,310; June 24.

Rockwood, Earl L., Toledo, Ohio, assignor to G. D. Davis. Spray fixture and its novel parts. 2,247,311; June 24.

Rodriguez, Anthony, Bronx, N. Y. Game device. 2,246,897; June 24.

Roethe, Patrick H., assignor to Ditto, Incorporated, Chicago, Ill. Method of and means for forwarding sheets. 2,247,134; June 24.

Rol-O-Wave, Inc. (See Snyder, James E., assignor.)

Roman, Walter G., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Surge protection for electrical apparatus. 2,246,926; June 24.

Romano, Joseph D., Joliet, Ill. Candle holder for candlesticks. 2,246,953; June 24.

Romano, Joseph D., and J. Rigoni, Marseilles, Ill. Control switch for vehicle direction signals. 2,247,135; June 24.

Roos, Carlisle K., Wheaton, assignor to United States Gypsum Company, Chicago, Ill. Continuous molding apparatus. 2,246,987; June 24.

Rosegard, Dora, Seattle, Wash. Fish lure. 2,246,757; June 24.

Rosen, Victor H., Baltimore, Md. Baton. 2,246,699; June 24.

Rosenberg, Bernard, Peekskill, N. Y. Tieback for curtains. 2,247,253; June 24.

Ross Heater & Manufacturing Co. Inc. (See Tinker, Townsend, assignor.)

Roth, Ernest J., Norwood, N. J., assignor to Joe Lowe Corporation, New York, N. Y. Extrusion device. 2,246,758; June 24.

Roth, Ernest J., Norwood, N. J., and J. L. Ellis, assignor to Joe Lowe Corporation, New York, N. Y. Extrusion device and method of making formations of plastic material. 2,246,759; June 24.

Rothenberg, Harry, Norwood, N. J., and L. C. Grimsley, Jackson Heights, assignors to H. Hyman, Brooklyn, N. Y. Electric switch. 2,247,136; June 24.

Ruben, Samuel, New Rochelle, N. Y. Electrically conductive bonded oxide composition. 2,247,036; June 24.

Rueping, Anna B. (See Rueping, R. W. and A. B.)

Rueping, Robert W. and A. B., De Pere, Wis. Attachment for ironing boards. 2,247,177; June 24.

Rumsey, Amos B. (See Troendly, H. P., Rumsey, and Bohm.)

Rumsey, Herbert, Jr., Nutley, N. J. Meat packing process. 2,247,312; June 24.

Ruschig, Heinrich. (See Bockmühl, M., Ehrhart, and Ruschig.)

Ruths, Robert J., Baltimore, Md., and H. L. Dodson, U. S. Navy. Variable pitch propeller. 2,246,539; June 24.

Ryan, William J., Wilmington, and M. T. Kendall, Long Beach, Calif., assignors to The Texas Company, New York, N. Y. Stable fuel oil. 2,246,760; June 24.

S. & S. Corrugated Paper Machinery Company. (See Shields, Albert F., assiguor.)

Safety-Fuel Incorporated. (See Stirlen, Eugene D., assignor.)

Saliba, Edward M., Lawrence, and M. C. Vincent, Lynn, Mass. Portable cutting tool. 2,246,761; June 24.

Samuels, Sam, Los Angeles, Calif. Strap connecting ring. 2,246,638; June 24.

Sandberg, Ray A., Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Automobile lock structure. 2,246,815; June 24.

Sandstrom, Per N., Chicago, Ill. Current responsive protective relay system. 2,246,816; June 24.

Sargent, Tom, and S. Duerden, assignors to Strachan & Henshaw, Limited, Whitehall, Bristol, England. Severing mechanism for bag making machines. 2,247,069; June 24.

Sauer, Hans, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany. Photometer. 2,246,817; June 24.

Saunders, Arthur R. (See Kuhn, J. J., Pritchard, and Saunders.)

Sayre, William H., Essex Fells, N. J., assignor to American Abrasive Metals Company. Nonslip wear-resistant tread. 2,246,898; June 24.

Schalow, Frank J., Brooklyn, N. Y. Blade stropping device. 2,246,927; June 24.

Schering Corporation. (See Schwenk, E., and Whitman, assignors.)

Scheuch, William A., Great Kills, Staten Island, assignor to Nassau Smelting & Refining Company, Incorporated, New York, N. Y. Receptacle. 2,246,955; June 24.

Schick, John R., Santa Ana, Calif., assignor to Radio Corporation of America. Tuned circuit. 2,246,928; June 24.

Schiffl, Charles, Montclair, N. J. Electromagnetically operated shaver. 2,246,601; June 24.

Schilthuis, Jan J., and J. D. W. Hubbeling, assignors to American Enka Corporation, Enka, N. C. Manufacture of synthetic fibers. 2,246,899; June 24.
Schirm, Erik, Dessau in Anhalt, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland. Condensation. 2,246,762; June 24.
Schleinitz, William O., Dayton, Ohio. Extractor for hose couplings. 2,246,954; June 24.
Schlosser, Benjamin, assignor to Wilson-Jones Company, Chicago, Ill. Loose-leaf binder. 2,246,763; June 24.
Schofield, Wilfred C. (See Whitcomb, A. J., Callow, and Schofield.)
Schorger, Arlie W., Madison, Wis., assignor to Burgess Cellulose Company, Freeport, Ill. Treating lignocellulosic material and product thereof. 2,247,207; June 24.
Schorger, Arlie W., Madison, Wis., assignor to Burgess Cellulose Company, Chicago, Ill. Moldable lignocellulosic material and method for making the same. 2,247,208; June 24.
Schorger, Arlie W., Madison, Wis., assignor to Burgess Cellulose Company, Freeport, Ill. Making moldable lignocellulosic material and product thereof. 2,247,209; June 24.
Schorger, Arlie W., Madison, Wis., assignor to Burgess Cellulose Company, Freeport, Ill. Preparing lignin and product thereof. 2,247,210; June 24.
Schorger, Arlie W., and J. H. Ferguson, Madison, Wis., assignors to Burgess Cellulose Company, Freeport, Ill. Producing moldable lignocellulose and product thereof. 2,247,204; June 24.
Schorger, Arlie W., and J. H. Ferguson, Madison, Wis., assignors to Burgess Cellulose Company, Freeport, Ill. Molded lignocellulosic product. 2,247,205; June 24.
Schorger, Arlie W., and J. H. Ferguson, Madison, Wis., assignors to Burgess Cellulose Company, Freeport, Ill. Making moldable lignocellulosic material and product thereof. 2,247,206; June 24.
Schultz, Harry C. T., and W. E. Kleeb, assignors to Young Radiator Company, Racine, Wis. Cabinet heater damper control. 2,246,602; June 24.
Schultz, Richard A., Roseville, assignor, by mesne assignments, to Friend Motor Company, St. Clair Shores, Mich. Front wheel drive assembly. 2,247,137; June 24.
Schulz, Arthur P., Hinsdale, assignor to G. & J. Teller, Chicago, Ill. Gas range. 2,247,178; June 24.
Schulze, Walter A., and F. E. Frey, Bartlesville, Okla., assignors to Phillips Petroleum Company. Catalytic material. 2,246,900; June 24.
Schwarz, Benno, Dusseldorf-Oberkassel, Germany. Alternating current series motor. 2,247,313; June 24.
Schwarzmann, Wolfgang E., Longmeadow, assignor to American Bosch Corporation, Springfield, Mass. Distributor cable connector. 2,246,901; June 24.
Schwenk, Erwin, Montclair, N. J., and B. Whitman, New York, N. Y., assignor to Schering Corporation, Bloomfield, N. J. Enolic ethers of keto-cyclopentano-polyhydro-phenanthrene compounds and method of preparing same. 2,246,540; June 24.
Schwenn, Willi, Berlin-Charlottenburg, assignor to "Fides" Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung, Berlin, Germany. Automatic telephone system. 2,247,254; June 24.
Seamark, Lewis M. C., Lyme Regis, England. Valve. 2,246,764; June 24.
Sefton Fibre Can Company, The. (See Graves, Charles B., assignor.)
Seger, Francis M. (See Berger, H. G., Badertscher, and Seger.)
Sellmeyer, Gilbert J., Indianapolis, Ind. Portable power driven saw. 2,247,314; June 24.
Seney, James C., Lawrence, assignor of one-fourth to J. J. Sullivan, Andover, and three-eighths to G. M. Austin, Lawrence, Mass. Cigarette. 2,246,929; June 24.
Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Process for improving the stability of nitro-paraffins. 2,247,255; June 24.
Senkus, Murray, assignor to Commercial Solvents Corporation, Terre Haute, Ind. Cyclic acetals and production thereof. 2,247,256; June 24.
Servel, Inc. (See Andersson, Sven W. E., assignor.)
Servel, Inc. (See Buffington, Ralph M., assignor.)
Servel, Inc. (See Hainsworth, William R., assignor.)
Sessions, Frank L. (See Henning, Leslie G., assignor.)
Shangle, Amos H. (See Hampton, L. N., and Shangle.)
Sharpe, Clyde J., Tampa, Fla. Gaseous electric lamp or sign. 2,247,160; June 24.
Shaw, Harold D., Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,246,956; June 24.
Sheffield Steel Corporation. (See Gronemeyer, Herbert W., assignor.)
Shell Development Company. (See Nederbragt, Gerrit W., assignor.)
Shell Development Company. (See Wibaut, J. P., and Overhoff, assignors.)
Shellmar Products Company. (See Gurwick, Irving, assignor.)
Shelton, Vernon P., Chicago, Ill. Cut film holder. 2,247,257; June 24.
Shepard, Bernard J., Brooklyn, assignor to Kulite Corporation, New York, N. Y. Surgical instrument. 2,247,258; June 24.
Sheridan, Everett J., Jackson Heights, N. Y. Traffic signal. 2,246,639; June 24.
Sherman, John Q., deceased, and W. A. Yackley, Dayton, Ohio; said Yackley assignor to said Sherman; K. M. and W. C. Sherman, and W. B. Turner, executors. Safety paper. 2,246,541; June 24.
Sherman, Katherine M., executor, et al. (See Sherman, J. Q., and Yackley.)
Sherman, William C., executor, et al. (See Sherman, J. O., and Yackley.)
Sherwood, Albert L., assignor to Sutherland Paper Company, Kalamazoo, Mich. Package for food products. 2,246,818; June 24.
Shields, Albert F., Jamaica, assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Continuous rotary shearing mechanism. 2,246,957; June 24.
Shoup, Ransom F., Ardmore, assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa. Voting machine. 2,246,930; June 24.
Shoup Voting Machine Corporation, The. (See Shoup, Ransom F., assignor.)
Shurhay, Paul, Philadelphia, Pa. Cleaning or sweeping device. 2,246,640; June 24.
Siemens Apparate und Maschinen Gesellschaft mit beschrankter Haftung. (See Lauck, Friedrich, assignor.)
Siemens & Halske Aktiengesellschaft of Wernerwerk. (See Dreyer, Hans, assignor.)
Simmons, Alton E. (See Stribling, R. T., and Simmons.)
Simpson, William K., Waterbury, assignor to The M. S. Little Manufacturing Company, Hartford, Conn. Radiator vent valve. 2,246,765; June 24.
Sinclair Refining Company. (See Barth, Edwin J., assignor.)
Singer, Henry, Honolulu, Hawaii. Tethered aerial top or spinner. 2,247,315; June 24.
Singer Manufacturing Company, The. (See Knaus, Nicholaus, assignor.)
Slack, Frederic W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Body construction. 2,246,861; June 24.
Slade, James W., New York, N. Y. Bearing tool. 2,246,603; June 24.
Smalley, Henry L., Chicago, Ill., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Clean-out block assembly. 2,247,070; June 24.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,246,862; June 24.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,246,863; June 24.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,246,864; June 24.
Smith, Bernard S., assignor of fifty per cent to J. J. Kane, Galveston, Tex. Means and method of locating levels in wells. 2,246,542; June 24.
Smith, David B., Philadelphia, Pa., assignor to Philco Corporation. Variable gain amplifier. 2,247,316; June 24.
Smith, Elizabeth E. (See Smith, Will O. and E. E.)
Smith, Elmer H., assignor, by mesne assignments, to Smith Welding Equipment Corporation, Minneapolis, Minn. Pressure regulator. 2,247,037; June 24.
Smith, Frank B., and H. W. Moll, assignors to The Dow Chemical Company, Midland, Mich. Cyclohexyl unsymmetrical diphenyl ethanes. 2,246,988; June 24.
Smith, Frank R. E. (See Ingersoll, E. B., Pillsbury, Smith, and Willett.)
Smith, Jay C., Seattle, Wash. Railroad car for transporting vehicles. 2,246,543; June 24.
Smith, John F., Quincy, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Shoe press and shoe press pad. 2,247,101; June 24.
Smith, John W., Chestnut Hill, assignor to Philadelphia Air Transport Company, Norristown, Pa. Photogrammetic stereoscope. 2,246,604; June 24.
Smith, Kenneth L., assignor to Stedman's Foundry & Machine Works, Aurora, Ind. Disintegrator of impact cage type. 2,246,902; June 24.
Smith, Kline & French Laboratories. (See Nabenhauer, Fred P., assignor.)
Smith, Millard F. (See Hood, John W., assignor.)
Smith, Roy M., Livingston, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective relay. 2,247,317; June 24.
Smith, Samuel, Brooklyn, N. Y. Self-corrective detachable sheet for school textbooks. 2,246,700; June 24.
Smith Welding Equipment Corporation. (See Smith, Elmer H., assignor.)
Smith, Weston R., Jackson, Mich. Wrench. 2,246,544; June 24.
Smith, Will O. and E. E., Pittsburgh, Pa. Dental cleaning compact. 2,247,003; June 24.
Smyth, Harold T., assignor to Corhart Refractories Company, Louisville, Ky. Method of casting refractory blocks. 2,247,318; June 24.

Snell, Foster D., New York, N. Y., assignor to Foster D. Snell, Inc. Method and composition for marking articles. 2,247,259; June 24.
Snell, Foster D., Inc. (See Snell, Foster D., assignor.)
Snidow, John L., Lynchburg, Va. Illuminating mirror. 2,247,319; June 24.
Snyder, James E., Pittsburgh, Pa., assignor, by mesne assignments, to Rol-O-Wave, Inc., New York, N. Y. Hair-waving spacer. 2,246,605; June 24.
Soc. An. S. I. M. B. I. (See Macchioni, Pietro A., assignor.)
Sociedade Industrial de Maquinas Fekima Limitada. (See Kiefer, Gustav, assignor.)
Société Anonyme: Ateliers J. Carpentier. (See Delsuc, Jacques, assignor.)
Société des Procédés Serge Beaune. (See Beaune, Serge V., assignor.)
Société d'Inventions Aeronautiques et Mecaniques S. I. A. M. (See Lévy, René L., assignor.)
Société dite: Saint Freres, Société anonyme. (See Pelcé, Henri, assignor.)
Socony-Vacuum Oil Company. (See Berger, H. G., Badertscher, and Seger, assignors.)
Soday, Frank J., Upper Darby, Pa., assignor to The United Gas Improvement Company. Isoprene propionate and making the same. 2,246,545; June 24.
Soday, Frank J., Upper Darby, Pa., assignor to The United Gas Improvement Company. Isoprene butyrate and making the same. 2,246,546; June 24.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Isoprene valerates and making same. 2,246,547; June 24.
Solenberger, Ansel B., et al. (See Carver, Charles J., assignor.)
Solk, Charles C., Chicago, Ill. Fur inspection device. 2,247,211; June 24.
Solvay Process Company, The. (See Brown, Ralph L., assignor.)
Sommemann, William K., Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective relay. 2,246,548; June 24.
Sorensen, Maximillian H. (See Janney, W. T., and Sorensen.)
Spangler, Earl D., Gary, Ind. Combination coolant and lubricant for cold rolling mills. 2,246,549; June 24.
Sparkes, Philip, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Cord controlling device. 2,246,989; June 24.
Spears, Joseph M., Washington, D. C. Expansion joint. 2,246,903; June 24.
Sperry Gyroscope Company. (See Anscott, W., and Esval, assignors.)
Spicer Manufacturing Corporation. (See Peterson, C. D., and Barth, assignors.)
Spilger, Eugen. (See Heinrich, J., and Spilger.)
Spino, Leon Clyde, N. Y. Tomato juicing device. 2,246,641; June 24.
Spray, Lester E., Wilkinsburg, assignor to The Union Swith & Signal Company, Swissvale, Pa. Interlocking control apparatus. 2,247,071; June 24.
Spring Perch Company. (See Dow, Harold T., assignor.)
Stachowiak, Harriet, Huntington Park, Calif. Cigarette extinguisher. 2,246,642; June 24.
Stackpole Carbon Company. (See Lodge, Edmund G., assignor.)
Stamberger, Paul. (See Pauli, W., and Stamberger.)
Standard Oil Company. (See Arveson, Maurice H., assignor.)
Standard Oil Company. (See Burk, Robert E., assignor.)
Standard Oil Company. (See Heard, L., and Oblad, assignors.)
Standard Oil Company. (See Thiele, E. W., and Gunness, assignors.)
Standard Oil Development Company. (See Hemminger, Charles E., assignor.)
Standard Oil Development Company. (See Lindbloom, C. V., and Hendrix, assignors.)
Standard Oil Development Company. (See Menshih, Nicholas, assignor.)
Standard Oil Development Company. (See Peck, Edward B., assignor.)
Standard Oil Development Company. (See Sweeney, William J., assignor.)
Standard Shade Pull Manufacturers, Inc. (See Burdett, Le Roy, assignor.)
Stanley, Leopold G., Maplewood, N. J. Article of limp sheet material. 2,247,320; June 24.
Stedman's Foundry & Machine Works. (See Smith, Kenneth L., assignor.)
Steiner, Hans, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Internal combustion engine. 2,246,701; June 24.
Stemen, William R. (See Urbain, O. M., and Stemen.)
Stender, Hermann R. F., San Francisco, Calif. Clothespin. 2,246,606; June 24.
Stewart, Duncan J., and G. F. Drake, assignors to Barber Colman Company, Rockford, Ill. Control for conditioning systems. 2,246,550; June 24.
Stewart, Seymour J., Indianapolis, Ind. Binder. 2,246,702; June 24.
Stickel, Carl A., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,246,551; June 24.
Stimson, Glen H., Royal Oak, Mich., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass. Method of forming taps. 2,246,865; June 24.
Stirlen, Eugene D., New Haven, assignor, by mesne assignments, to Safety-Fuel Incorporated, West Cheshire, Conn. Making a fuel consisting predominently of normally fluid hydrocarbons in solidified form. 2,246,552; June 24.
Stockinger, Hans, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Insulator including clamping means for supporting high potential conductors. 2,246,904; June 24.
Stone, Abraham, Brooklyn, N. Y. Shade structure for windows and the like. 2,247,260; June 24.
Stow, Thomas D., Berkeley, Calif. Tennis stroke practice device. 2,247,072; June 24.
Strachan & Henshaw, Limited. (See Sargent, T., and Duerden, assignors.)
Stribling, Reed T., Imperial, and A. E. Simmons, Fort Stockton, Tex. Spraying apparatus for tractors. 2,246,866; June 24.
Strutt, Maximiliaan J. O., and A. van der Ziel, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America. Rectifying arrangement for ultra short waves. 2,246,958; June 24.
Stuber, Walter J., assignor to Carey-McFall Company, Philadelphia, Pa. Venetian blind. 2,247,321; June 24.
Stuber, Walter J., assignor to Carey-McFall Company, Philadelphia, Pa. Cord lock for Venetian blinds. 2,247,322; June 24.
Studebaker Corporation, The. (See Butzbach, Orville K., assignor.)
Sugden, Clifford N., and S. Kahn, Bridgeport, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y. Pressure responsive gauge. 2,247,102; June 24.
Sukumlyn, Thomas W., Los Angeles, Calif. System for television transmission. 2,247,138; June 24.
Sullivan, James J., et al. (See Seney, James C., assignor.)
Sullivan, Michael J., Springfield, Ohio. Driving mechanism for flexible shafts. 2,247,004; June 24.
Sulzer Frères, Société Anonyme. (See Steiner, Hans, assignor.)
Summerson, James L., Emporium, Pa. Dust receptacle for suction cleaners. 2,247,103; June 24.
Surgident, Ltd. (See van Rossem, Walter J., assignor.)
Sutherland Paper Company. (See Sherwood, Albert L., assignor.)
Svenska Aktiebolaget Bromsregulator. (See Browall, Bert H., assignor.)
Swartwood, Kenneth, assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,246,607; June 24.
Sweeney, William J., Elizabeth, N. J., assignor to Standard Oil Development Company. Catalytic cracking of hydrocarbon oil. 2,246,959; June 24.
Swem, Harry A. (See Bencowitz, I., and Swem.)
Takács, Peter, Budapest, Hungary, assignor to Voigtlander & Sohn Aktiengesellschaft, Brunswick, Germany. Photographic roll film camera. 2,247,104; June 24.
Tallman, Emma S., et al. (See Johnston, Douglas, assignor.)
Tallman, Gentry L., et al. (See Johnston, Douglas, assignor.)
Tallman, Jesse L., et al. (See Johnston, Douglas, assignor.)
Tallman, Leslie R., et al. (See Johnston, Douglas, assignor.)
Taroff, Ernest L., Brooklyn, N. Y., assignor to Kerlow Steel Flooring Co. Grating. 2,246,766; June 24.
Taylor, H. P., et al. (See Overbey, Herman T., assignor.)
Taylor, Milton C., assignor to Partridge & Anderson Company, Chicago, Ill. Apparatus for producing printing. 2,246,819; June 24.
Taylor, Thaddeus A., Lufkin, Tex. Infant incubator. 2,246,820; June 24.
Taylor, William H., and S. C. Kershaw, Pawtucket, R. I., assignors to The Clark Thread Company, Newark, N. J. Skein-forming machine. 2,246,608; June 24.
Tays, Richard V., Coral Gables, Fla. Hair drier. 2,246,767; June 24.
Teeple, L. R., Company. (See Cram, Charles C., assignor.)
Telefunken Gesellschaft fur Drahtlose Telegraphie mit beschrankter Haftung. (See Feldtkeller, Richard, assignor.)
Teller, G. & J. (See Schulz, Arthur P., assignor.)
Texas Company, The. (See Garrison, Allen D., assignor.)
Texas Company, The. (See Ryan, W. J., and Kendall, assignors.)
Texas Gulf Sulphur Company. (See Bencowitz, I., and Swem, assignors.)
Thermek Corporation. (See Kritzer, Richard W., assignor.)
Thiele, Ernest W., and R. C. Gunness, assignors to Standard Oil Company, Chicago, Ill. Alkylation. 2,246,703; June 24.
Thoma, Willard F. (See Gieleghem, M. J., and Thoma.)
Thomas, Arthur J., Los Angeles, and M. K. Nash, Hollywood, Calif. Toothbrush. 2,246,867; June 24.

Thomas & Betts Co. (See Bergan, Martin D., assignor.)
Thomas, Edward B. (See Oxley, H. F., and Thomas.)
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Apparatus for starting electric motors. 2,247,073; June 24.
Thompson, Louis W. (See Edwards, M. A., and Thompson.)
Thomson Machine Company. (See Parsons, Edward T., assignor.)
Thoresen, Einar, and G. J. Genung, assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa. Predetermining dispenser. 2,247,139; June 24.
Time, Incorporated. (See Coleman, Roy E., assignor.)
Timken-Detroit Axle Company. (See Powers, Milton A., assignor.)
Tinker, Townsend, Boston, assignor to Ross Heater & Manufacturing Co., Inc., Buffalo, N. Y. Closure for pressure vessels. 2,247,105; June 24.
Tönnies, Hans F., Hamburg-Grossflottbek, Germany. Photographic exposure apparatus. 2,247,323; June 24.
Torrence, George P., Shaker Heights, assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for processing thread. 2,246,553; June 24.
Towler, Frank H. (See Towler, John M. and F. H.)
Towler, John M. and Frank H., Yorkshire, England. Unloading valve for reciprocating ram pumps. 2,247,261; June 24.
Townsend, Roy C., La Crosse, Wis. Vehicle truck assembly. 2,246,609; June 24.
Trask, Allen, assignor to Mills Novelty Company, Chicago, Ill. Compressor. 2,246,868; June 24.
Travis, Charles, assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa. Noise-limiting circuits for carrier wave communication systems. 2,247,324; June 24.
Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Short wave system. 2,247,212; June 24.
Trevor, Bertram, Riverhead, N. Y., assignor to Radio Corporation of America. Ultra short wave receiver. 2,247,213; June 24.
Troendly, Harry P., Chicago, Ill., and A. B. Rumsey, and J. Bohm, Beloit, Wis.; said Rumsey and said Bohm assignors to Gardner Machine Company, South Beloit, Ill., and said Troendly assignor to Associated Spring Corporation, Britol, Conn. Grinding machine. 2,246,869; June 24.
Trofimov, Ivan, Khimki, Union of Soviet Socialist Republics. Injector using exhaust steam. 2,247,005; June 24.
Trumbull Electric Manufacturing Company. (See Getchell, Benjamin E., assignor.)
Tung-Sol Lamp Works, Inc. (See Witbeck, Jean E., assignor.)
Turner, George K., Eagle Nest, N. Mex. Motor vehicle sweep rake attachment. 2,246,870; June 24.
Turner, Wellmore B., executor, et al. See Sherman, J. Q., and Yackley.)
Twyman, L. Raymond, assignor to Vickers, Incorporated, Detroit, Mich. Multiple valve unit. 2,247,140; June 24.
Twyman, L. Raymond, assignor to Vickers, Incorporated, Detroit, Mich. Multiple valve bank. 2,247,141; June 24.
Twyning, Robert V., assignor to J. C. Miller Company, Grand Rapids, Mich. Buffing compound. 2,246,554; June 24.
Tyler, John M., West Hartford, and R. E. McIntosh, Manchester, assignors to United Aircraft Corporation, East Hartford, Conn. Resilient mounting. 2,246,704; June 24.
Tyree, Kathleen M., Los Angeles, Calif. Hairpin container. 2,246,705; June 24.
Tyson, George W., Los Angeles, Calif. Brace means. 2,246,960; June 24.
Ubben, Richard T., Elmhurst, and J. R. Price, Jr., assignors to Armstrong Paint & Varnish Works, Chicago, Ill. Dehydrating a hydroxylated fat or fatty acid of the ricinoleic series. 2,246,768; June 24.
Udy, Marvin J., Niagara Falls, N. Y. Composition and method for treating molten metals. 2,247,262; June 24.
Udy, Marvin J., Niagara Falls, N. Y. Process and product for the production of low-carbon chromium alloys. 2,247,263; June 24.
Uehling, Fritz F., Passaic, N. J. Constant speed series wound motor. 2,246,905; June 24.
Ultti, Kenneth D., assignor to Universal Oil Products Company, Chicago, Ill. Concentration and conversion of hydrocarbons. 2,246,643; June 24.
Uliand, Oscar S., Austin, Minn. Distributing machine for binding material. 2,246,644; June 24.
Underwood Development Company, The. (See Underwood, Gates E., assignor.)
Underwood, Gates E., assignor to The Underwood Development Company, Rock Springs, Wyo. Relative wind indicating means for aircraft. 2,246,555; June 24.
"Unichem" Chemikalien Handels A.-G. (See Schirm, Erick, assignor.)
Union Switch & Signal Company, The. (See Little, Edwin G., assignor.)
Union Switch & Signal Company, The. (See Spray, Lester E., assignor.)
United Aircraft Corporation. (See Martin, E., and Anderson, assignors.)
United Aircraft Corporation. (See Tyler, J. M., and McIntosh, assignors.)
United-Carr Fastener Corporation. (See Churchill, Wilmer H., assignor.)
United-Carr Fastener Corporation. (See Murphy, Howard J., assignor.)
United Gas Improvement Company, The. (See Soday, Frank J., assignor.)
United Shoe Machinery Corporation. (See Brandt, Francis L., assignor.)
United Shoe Machinery Corporation. (See Fredericksen, James P., assignor.)
United Shoe Machinery Corporation. (See Sparkes, Philip, assignor.)
United Shoe Machinery Corporation. (See Whelton, John M., assignor.)
United States Gypsum Company. (See Dailey, Manvel C., assignor.)
United States Gypsum Company. (See Oberg, Elmer B., assignor.)
United States Gypsum Company. (See Roos, Carlisle K., assignor.)
United States Rubber Company. (See Francis, Raymond S., assignor.)
United States Rubber Company. (See Paul, Philip T., assignor.)
Universal Light Metals Company. (See Keemle, Samuel R., assignor.)
Universal Oil Products Company. (See Huff, Lyman C., assignor.)
Universal Oil Products Company. (See Swartwood, Kenneth, assignor.)
Universal Oil Products Company. (See Uitti, Kenneth D., assignor.)
Universal Oil Products Company. (See Winters, Donald D., assignor.)
Urbain, Oliver M., and W. R. Stemen, Columbus, assignors to C. H. Lewis, Harpster, Ohio. Recovery of halogens. 2,246,645; June 24.
Urbain, Oliver M., and W. R. Stemen, Columbus, assignors to C. H. Lewis, Harpster, Ohio. Recovery of halogens. 2,246,646; June 24.
Urga, Leopold, Berlin, Germany. Time delay switch. 2,247,038; June 24.
Utz, Chester C., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Wheel suspension. 2,246,821; June 24.
Vancura, Rudolf, assignor to the firm Reissnägel-und Metallkurzwarenfabrik Heinrich Sachs, Vienna, Germany. Stapling device. 2,246,647; June 24.
Vanderbilt, Byron M., Terre Haute, assignor to Purdue Research Foundation, La Fayette, Ind. Fatty acid salts of polyhydroxy amines. 2,247,106; June 24.
van Derveer, Clarence A., assignor to S. Karpen & Bros., Chicago, Ill. Revolving car seat. 2,247,264; June 24.
van der Ziel, Aldert. (See Strutt, M. J. O., and van der Ziel.)
Van Rossem, Walter J., assignor to Surgident, Ltd., Los Angeles, Calif. Controlling the physical dimensions of molded hydrocolloid bodies. 2,246,822; June 24.
Van Sittert, Paul, and S. B. Maurer, Cleveland Heights, assignors to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Rotary impact tool. 2,246,648; June 24.
Vatet, Oscar, Pleasantville, N. Y. Adjustable metal wall base. 2,246,556; June 24.
Vickers, Incorporated. (See Twyman, L. Raymond, assignor.)
Viebahn, William W., Troy, Ohio and L. C. Poole, Swissvale, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Marking device for hole detectors. 2,246,906; June 24.
Vincent, Merton C. (See Saliba, E. M., and Vincent.)
Voightlander & Sohn Aktiengesellschaft. (See Takács, Peter, assignor.)
Vollberg, Carl J., and E. A. Myers, Pittsburgh, Pa. Radiator protector. 2,246,823; June 24.
Voogt, John F., Wilmington, Calif. Lamp switch mechanism. 2,246,961; June 24.
Vorhies, Leroy, Granite, Colo. Airplane propeller. 2,246,706; June 24.
Vroble, Pete, Steubenville, Ohio. Powder compact. 2,247,179; June 24.
Wagar, Harold N., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Oscillograph apparatus. 2,247,214; June 24.
Wagner, Carl D., Tulsa, Okla. Casing pump assembly. 2,247,325; June 24.
Wagner, William J. Chicago, Ill. Fuel pump. 2,246,610; June 24.
Wahlin, Fred W. (See Bramsen, S., Gustafsson, and Wahlin.)
Walk-Easy Foot Rest Manufacturing Company. (See Boos, Wilifred J., assignor.)
Walker, Ross B., et al. (See Compton, Beaulard J., assignor.)
Walters, Louis G., Portland, Oreg. Bus connector. 2,246,557; June 24.
Warner, Donald F., Swampscott, Mass., assignor to General Electric Company. Sealing arrangement. 2,247,074; June 24.

Washburn, Clarence L., Silver Spring, Md., assignor to Washington Institute of Technology, Inc., Washington, D. C. Earth inductor compass. 2,246,558; June 24.
Washington Institute of Technology, Inc. (See Washburn, Clarence L., assignor.)
Waterfill, Robert W., Montclair, N. J., assignor to Buensod-Stacey Air conditioning, Incorporated, New York, N. Y. Refrigerant evaporators. 2,247,107; June 24.
Webb, Andrew L., Beaumont, Tex. Ground clamp for electrical welding machines. 2,247,282; June 24.
Webster, John E., Pittsburgh, Pa. Auxiliary building structure. 2,247,340; June 24.
Webster, William R., Bridgeport, Conn. Continuous molding machine. 2,246,907; June 24.
Webster, William R., Bridgeport, Conn. Continuous molding machine. 2,246,908; June 24.
Weckstein, Samuel H., et al. (See Bodine, Charles B., assignor.)
Wegner, Alfred. (See Wegner, Julius and A.)
Wegner, Julius and A., Flushing, N. Y. Cutting apparatus. 2,247,215; June 24.
Weinig, Arthur J., Golden, Colo. Aerating apparatus. 2,246,559; June 24.
Weinig, Arthur J., Golden, and R. D. Renner, Denver, Colo. Flotation machine. 2,246,560; June 24.
Wells, Leland E., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,247,161; June 24.
Wemp, Ernest E., Detroit, Mich. Clutch. 2,246,769; June 24.
Wessel, Stanley L., Glencoe, Ill. Animal food. 2,246,770; June 24.
West, Maxwell A., Portland, Oreg., assignor to Bocjl Corporation, Pittsburgh, Pa. Cap and jar wrench. 2,246,649; June 24.
Western Cartridge Company. (See Browning, Jonathan E., assignor.)
Western Cartridge Company. (See Wilkinson, John W., assignor.)
Western Union Telegraph Company, The. (See Harrall, Edwin R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baudry, René A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hall, James R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Iams, Harley A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Loos, Alfred, assignor.)
Westinghouse Electric & Manufacturing Company. (See Roman, Walter G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Shaw, Harold D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Roy M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sonnemann, William K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stockinger, Hans, assignor.)
Westinghouse Electric & Manufacturing Company. (See Viebahn, W. W., and Poole, assignors.)
Weston, Richard P., Elizabeth City, N. C. Transfer ring support and trimming knife. 2,246,707; June 24.
Whalen, John N. (See Morgan, W., and Whalen.)
Whalen, John T., New York, N. Y. Furniture joint washer. 2,247,265; June 24.
Wheat, Thomas E. M., assignor to Chrysler Corporation, Highland Park, Mich. Vehicle frame. 2,246,824; June 24.
Wheelan, Robert B., Great Neck, and A. Balaban, New York, N. Y. Method and apparatus of photography. 2,246,561; June 24.
Whelton, John M., Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J. Rounding machine. 2,246,650; June 24.
Whitcomb, Arthur J., O. C. Callow and W. C. Schofield, assignors to Freyn Engineering Company, Chicago, Ill. Stove burner. 2,247,039; June 24.
White, Forrest S. (See Bordeaux, C. G., and White.)
Whitley, Albert B., Ann Arbor, Mich. Bowling equipment. 2,246,562; June 24.
Whitman, Bradley. (See Schwenk, E., and Whitman.)
Whitmore, George H., assignor of two-fifths to A. F. Brandt, Detroit, Mich. Electrical plug and base. 2,247,006; June 24.
Whitsett, Henry, Philadelphia, Pa. Hot oil strainer. 2,247,040; June 24.
Wibaut, Johan P., and J. Overhoff, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif. Capillary-active salt of pyridine bases. 2,247,266; June 24.
Wico Electric Company. (See Harmon, Kenneth A., assignor.)
Wide World Photos, Inc. (See Cooley, Austin G., assignor.)
Wieben, Herman C., Parkville, assignor to The Glenn L. Martin Company, Baltimore, Md. Flush door handle and lock. 2,246,708; June 24.
Wiegmann, Edwin C., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control apparatus. 2,247,267; June 24.
Wiley, Webster G., Glendale, Calif. Galley lock. 2,246,962; June 24.
Wilkinson, John W., assignor to Western Cartridge Company, New Haven, Conn. Manufacture of styphnic acid. 2,246,963; June 24.
Wilkinson, Kenneth J. R., Rugby, England, assignor to General Electric Company. Electric ignition system. 2,247,075; June 24.
Willard Storage Battery Company. (See Wells, Leland E., assignor.)
Willett, Leon E. (See Ingersoll, E. B., Pillsbury, Smith, and Willett.)
Williams, William E., Vancouver, British Columbia, Canada. Resilient wheel. 2,246,651; June 24.
Wilson-Jones Company. (See Schlosser, Benjamin, assignor.)
Winfield, Edward A., Los Angeles, Calif. Carburetor. 2,246,825; June 24.
Wingard, Gunnar, Tacoma, Wash. Butcher's tool rack. 2,246,652; June 24.
Winters, Donald D., Compton, Calif., assignor to Universal Oil Products Company, Chicago, Ill. Liquid level indication and control. 2,246,563; June 24.
Winthrop Chemical Company. (See Bockmühl, M., Ehrhart, and Ruschig, assignors.)
Witbeck, Jean E., Nutley, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Miniature incandescent lamp. 2,247,268; June 24.
Witherow, Harry M., Clifton, Mass., assignor to General Electric Company. Demand meter. 2,247,108; June 24.
Witherow, Harry M., Clifton, Mass., assignor to General Electric Company. Var meter. 2,247,109; June 24.
Witkower, Max, Santa Monica, Calif. Brassière. 2,246,826; June 24.
Wixom, Clifford H., Fullerton, Calif. Liquid fertilizer applicator. 2,246,827; June 24.
Wolf, Cecil R., Rock Falls, and N. M. Foulds, assignors to Frantz Manufacturing Co., Sterling, Ill. Door latch. 2,246,828; June 24.
Wolfe, John R., Los Angeles, Calif. Inhalation therapy applicator. 2,246,964; June 24.
Woloschak, Konstantin. (See Lindsay, M. H. A., and Woloschak.)
Wood, John, Manufacturing Company. (See Demers, Isaie J. B., assignor.)
Works, Madden T. (See Putnam, P. T., and Works.)
Wright, Walter F. (See Dall, Edward D., assignor.)
Wuppermann, Wilhelm, Berlin-Zehlendorf, Germany. Apparatus for spinning rayon. 2,246,990; June 24.
Wurtlitzer, Rudolph, Company. (See Lindeberg, Carl, assignor.)
Yackley, Wilbur A. (See Sherman, John Q.)
"Yard-Man," Inc. (See Funk, Truman B., assignor.)
Yoder, Daniel D., Seattle, Wash. Plaything. 2,246,965; June 24.
Yost, Lloyd A. (See Darrow, W. E., Peterson, and Yost.)
Young Radiator Company. (See Schultz, H. C. T., and Kleeb, assignors.)
Young, William K., assignor to Eclipse Counterbore Company, Detroit, Mich. Boring tool. 2,247,283; June 24.
Young, William K., assignor to Eclipse Counterbore Company, Detroit, Mich. Boring tool. 2,247,284; June 24.
Ysskin, Herman, Newark, N. J. Skate. 2,246,909; June 24.
Yven, Emile J., Jackson Heights, N. Y., assignor to Clairol, Incorporated, Stamford, Conn. Hair waving apparatus. 2,246,564; June 24.
Zalkind, Philip, New York, N. Y. Reinforced end for containers. 2,246,966; June 24.
Zalkind, Philip, New York, N. Y. Follow block. 2,246,967; June 24.
Zandmer, Solis M., Los Angeles, Calif. Treating oil and gas wells. 2,246,611; June 24.
Zeiss, Carl. (See Richter, Robert, assignor.)
Zeiss Ikon Aktiengesellschaft. (See Sauer, Hans, assignor.)
Ziemann, Emil G., Washington, D. C. Air filter. 2,247,326; June 24.
Zuccarello, William E., assignor to The Macarello Corporation, Jacksonville, Fla. Antistatic receiving system. 2,246,771; June 24.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF JUNE, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aeronautical device. J. P. Buckley. Re. 21,838; June 24.
Anchor. J. K. Northrop and H. M. Gesner. Re. 21,841; June 24.
Cleaner, Suction. H. B. White. Re. 21,846; June 24.
Coupling, Flexible. R. A. Smith and J. J. Serrell. Re. 21,843; June 24.
Frequency converter. J. F. Farrington. Re. 21,839; June 24.
Motor vehicle. J. Kolbe. Re. 21,840; June 24.
Platen roll for writing machines. J. Q. Sherman and A. W. Metzner. Re. 21,842; June 24.
Refrigerating apparatus. D. F. Alexander, C. F. Henny, and C. L. Paulus. Re. 21,837; June 24.
Speed gear mechanisms, Automatic change. J. M. Vetter. Re. 21,844; June 24.
Swatch. R. Weinlich. Re. 21,845; June 24.

LIST OF PLANT INVENTIONS

Apricot. C. Weschcke. 476; June 24.
Pineapple orange, Seedless. R. L. Ragin. 477; June 24.
Rose plant. W. Kordes. 475; June 24.

LIST OF DESIGN INVENTIONS

Airplane. E. F. Burton and C. C. Wood. 127,919; June 24.
Badge or the like. R. Monedero. 127,885; June 24.
Bar, Serving. O. I. Block. 127,900; June 24.
Barrette. S. Behr. 127,898; June 24.
Belt or similar article. H. Cohen. 127,938; June 24.
Belt or similar article. J. Singer. 127,939; June 24.
Bench. W. H. Scott. 127,925; June 24.
Bottle. A. L. Ogle. 127,912; June 24.
Bottle. B. H. Wilson. 127,918; June 24.
Bowl for electric lighting fixtures. A. J. D. Ohm. 127,893–4; June 24.
Brooch. E. M. Jordan. 127,889; June 24.
Brooch or similar article. G. Capellazzi. 127,901; June 24.
Brooch or similar article. F. Cusumano. 127,903; June 24.
Brooch or similar article. A. Katz. 127,909; June 24.
Brooch or similar article. W. L. Pavel. 127,886; June 24.
Building. E. M. Ellis. 127,905; June 24.
Cabinet for sound reproducing apparatus. D. C. Rockola. 127,924; June 24.
Cabinet for sound reproducing apparatus. D. C. Rockola. 127,952; June 24.
Casing for sound apparatus. D. C. Rockola. 127,946–51; June 24.
Casing, Speaker. E. E. Collison. 127,937; June 24.
Chair. S. J. Gedris. 127,888; June 24.
Coat. C. McCardell. 127,958; June 24.
Coat. S. Richman. 127,960; June 24.
Coin holder. E. R. Norbut. 127,911; June 24.
Cribbage board. C. D. Williams. 127,917; June 24.
Diffuser for a fluorescent tube. A. J. D. Ohm. 127,895–6; June 24.
Doll, Novelty. V. Bennett. 127,899; June 24.
Dolly, Housemaid's. H. B. Whitfield. 127,916; June 24.
Dress. P. C. Abend. 127,940; June 24.
Dress. M. Abrams. 127,941; June 24.
Dress. A. Torris. 127,953; June 24.
Dress. M. Wuerth. 127,954; June 24.
Dress. H. C. Zanft. 127,955; June 24.
Dress, Combination street dress and evening. D. Mandelker. 127,959; June 24.
Dress ensemble. M. Hobgood. 127,942; June 24.
Dress ensemble. O. C. Nadel. 127,944–5; June 24.
Fabric, Embroidered. S. Landau. 127,956; June 24.
Fabric or similar article, Textile. C. Rosenstein. 127,913; June 24.
Fabric, Textile. R. P. Baggaley. 127,897; June 24.
Fabric, Textile. I. Cummings. 127,929; June 24.
Face plate for article of jewelry. M. Chernow. 127,880; June 24.
Fire extinguisher, Wheeled. W. H. Freygang. 127,922; June 24.
Footrest for a beach chair or similar article. A. J. McGann and A. Beeskow. 127,910; June 24.
Game board. J. A. Fredriksson. 127,907; June 24.
Grill, Sandwich. J. F. Faunce. 127,906; June 24.
Handbag. D. Lewis. 127,931–34; June 24.
Handbag. D. Lewis. 127,957; June 24.
Lamp fixture, Fluorescent. K. R. Scribner. 127,914; June 24.
Lighting fixture, Electric. A. J. D. Ohm. 127,890–2; June 24.
Medal. J. F. X. Landrigan and G. W. Crone. 127,884; June 24.
Mending device, Fabric patch. E. N. Simmons. 127,926; June 24.
Muff. M. Baer. 127,935–6; June 24.
Pad for cans and similar containers, Packing. W. J. De Reamer. 127,904; June 24.
Phonograph tone arm. E. I. Harman. 127,923; June 24.
Plate for jewelry, Monogram. M. Chernow. 127,902; June 24.
Rack, Bag. V. Garrison. 127,887; June 24.
Ring. M. Duvalet. 127,930; June 24.
Screen, Portable adjustable. B. Wellman. 127,928; June 24.
Suit. S. B. Kaufman. 127,943; June 24.
Switch casing and handle, Combined. W. H. Frank. 127,921; June 24.
Switch, Foot-operated. A. L. Simonds. 127,927; June 24.
Table, Drawing. R. A. Carlson. 127,920; June 24.
Tank, Elevated. J. O. Jackson and R. W. De Vore. 127,881–2; June 24.
Tea bell, Souvenir. J. Hollander. 127,908; June 24.
Velocipede. E. J. Weller, Jr. 127,915; June 24.
Weather surfacing strip or similar article. G. B. Johnston. 127,883; June 24.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF JUNE, 1941

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading apparatus. W. L. Keefer. 2,246,522; June 24.
Acetals and production thereof, Cyclic. M. Senkus. 2,247,256; June 24.
Acid, Manufacture of styphnic. J. W. Wilkinson. 2,246,963; June 24.
Acoustical projectile. J. C. Batchelor. 2,247,111; June 24.
Adjusting means, Folding chair. U. K. Johannsen. 2,247,236; June 24.
Advertising device. J. T. Lawlor. 2,246,633; June 24.
Aerating apparatus. A. J. Weinig. 2,246,559; June 24.
Aerial navigation machine of the airplane type. F. Amiot. 2,246,493; June 24.
Aerial top or spinner, Tethered. H. Singer. 2,247,315; June 24.
Air conditioned garment. V. Bagnato. 2,247,180; June 24.
Air conditioner. B. J. Compton. 2,246,506; June 24.
Air conditioning apparatus. J. H. Fedeler. 2,247,119; June 24.
Air cooling and circulating device. W. L. Morrison. 2,246,999; June 24.
Air cooling means for internal combustion engines. K. Löhner. 2,247,094; June 24.
Aircraft, Rotative winged. G. B. L. Ellis. 2,247,053; June 24.
Air filter. E. G. Ziemann. 2,247,326; June 24.
Airplanes, Landing. D. H. Bottrill. 2,246,716; June 24.
Alarm apparatus, Fire. J. C. Cid. 2,247,277; June 24.
Alarm, Burglar. C. E. Potter. 2,247,251; June 24.
Alarm system, Micro-wave radio. M. H. A. Lindsay and K. Woloschak. 2,247,246; June 24.
Alcohol composition, Polyvinyl. C. Dangelmajer. 2,246,915; June 24.
Alkylation. E. W. Thiele and R. C. Gunness. 2,246,703; June 24.
Alloy and method of making and using the same, Manganese-base. W. Kroll. 2,246,886; June 24.
Alloys, Process and product for the production of low-carbon chromium. M. J. Udy. 2,247,263; June 24.
Amplifier. S. Goldman. 2,247,085; June 24.
Amplifier circuit. W. V. B. Roberts. 2,247,203; June 24.
Amplifier, Variable gain. D. B. Smith. 2,247,316; June 24.
Anhydrides, Making higher fatty acid. H. F. Oxley and E. B. Thomas. 2,246,599; June 24.
Apparatus for cutting and/or marking buttonholes and effecting similar operations. F. W. Morgan. 2,247,305; June 24.
Apparatus and method for electrochemical analysis. L. A. Matheson, N. B. Nichols, H. A. Robinson and C. F. Du Chene. 2,246,981; June 24.
Apparatus adapted for scoring and rerecording sound. W. E. Garity and J. G. Kuhn. 2,246,796; June 24.
Apparatus for charging a current of air with a volatile substance. A. Kleijn. 2,246,734; June 24.
Apparatus for handling metal strip. E. V. Crane and A. F. Groll. 2,246,840; June 24.
Apparatus for inspecting glass sheets or the like. F. L. Bishop, Jr. 2,247,047; June 24.
Attachment for ironing boards. R. W. and A. B. Rueping. 2,247,177; June 24.
Apparatus for processing thread. G. P. Torrence. 2,246,553; June 24.
Apparatus for producing printing plates. M. C. Taylor. 2,246,819; June 24.
Apparatus for saturating fibrous stock. I. J. Novak. 2,246,531; June 24.
Apparatus for sectionizing citrus fruits. R. Polk, Sr. and R. Polk, Jr. 2,246,896; June 24.
Apparatus for separating products from mineral wool blow chambers. D. C. Drill. 2,246,844; June 24.
Apparatus for spinning rayon. W. Wuppermann. 2,246,990; June 24.
Apparatus for starting electric motors. L. W. Thompson. 2,247,073; June 24.
Apparatus for tempering glass. J. L. Drake. 2,247,118; June 24.
Apparatus for the manufacture of decorative material. C. H. Appleman. 2,246,776; June 24.
Apparatus for the production of music. B. F. Miessner. 2,246,855; June 24.
Arrangement for ultra short waves, Rectifying. M. J. O. Strutt and A. van der Ziel. 2,246,958; June 24.
Asbestos-cement pipe, Making. E. W. Rembert. 2,246,537; June 24.
Assembling elements by riveting. F. Amiot. 2,246,494; June 24.
Automobile hood latch. E. D. Dall. 2,246,789; June 24.
Axle snubber, Safety. J. D. Averill. 2,247,009; June 24.
Bag: *See*—
Siftproof bag.
Bag rack. W. F. Ohme. 2,246,692; June 24.
Band-pass filter. R. Feldtkeller. 2,246,935; June 24.
Bar: *See*—
Mower sickle bar.
Baton. V. H. Rosen. 2,246,699; June 24.
Battery, Storage. L. J. Jumau. 2,247,091; June 24.
Battery, Storage. L. E. Wells. 2,247,161; June 24.
Bearing: *See*—
Self-cleaning bearing.
Bearing structure. E. R. Harrall. 2,246,588; June 24.
Bearing tool. J. W. Slade. 2,246,603; June 24.
Beater. F. O. Holister. 2,246,517; June 24.
Bellows-type gauge. F. H. Hopkins. 2,247,089; June 24.
Bending machine. M. S. Dickinson and E. L. Born. 2,246,992; June 24.
Binder. S. J. Stewart. 2,246,702; June 24.
Binder, Loose-leaf. B. Schlosser. 2,246,763; June 24.
Binder, Spiral. E. N. Farkas. 2,246,489; June 24.
Bit: *See*—
Blade bit.
Blade bit, Welded on. F. L. Pivoto. 2,246,812; June 24.
Blanket, J. N. Moeckel. 2,246,749; June 24.
Blasting shell for surface blasting. H. S. Gilbertson. 2,247,169; June 24.
Blind, Venetian. W. J. Stuber. 2,247,321; June 24.
Block: *See*—
Follow block. Wire drawing block.
Block assembly, Cut-out. H. L. Smalley. 2,247,070; June 24.
Blocks, Casting refractory. H. T. Smyth. 2,247,318; June 24.
Blowout preventer. H. Allen. 2,246,709; June 24.
Boat and luggage carrier. A. M. Levey. 2,247,128; June 24.
Body construction. F. W. Slack. 2,246,861; June 24.
Bolt, Locking hitch. L. C. Bowman. 2,246,834; June 24.
Book, Manifolding. F. S. Graham. 2,247,233; June 24.
Bookbinding. M. W. Dunning. 2,247,224; June 24.
Booth cooling apparatus, Telephone. F. A. Kuntz. 2,247,028; June 24.
Boring tool. W. K. Young. 2,247,283–4; June 24.
Bottle, Paper. H. J. Reiter. 2,246,755; June 24.
Box: *See*—
Plaster packing stuffing box.
Box covering machine. C. A. Phelps. 2,246,858; June 24.
Bowling equipment. A. B. Whitley. 2,246,562; June 24.
Brace means. G. W. Tyson. 2,246,960; June 24.
Bracket: *See*—
Brake hanger bracket. Stand bracket.
Bracket for flashlights. B. F. Muldoon. 2,247,131; June 24.
Brake: *See*—
Electric brake. Hydraulic power brake.
Brake control system, Hydraulic. E. R. Relm. 2,246,814; June 24.
Brake, coupling, and the like, Multiple disk. H. Kattwinkel. 2,247,298; June 24.
Brake for hoists. L. F. Meunier. 2,246,923; June 24.
Brake safety appliance, Hydraulic. M. F. Davis. 2,246,621; June 24.
Brake hanger bracket. A. H. Oelkers. 2,246,894; June 24.
Brassière. M. Witkower. 2,246,826; June 24.
Brick grab. R. A. Fontaine. 2,247,168; June 24.
Brick package. H. F. Grau. 2,246,936; June 24.
Brush structure, Paint. A. T. Adams. 2,246,773; June 24.
Bucket, Boom. E. H. Mortag. 2,247,158; June 24.
Buffing compound. R. V. Twyning. 2,246,554; June 24.
Building. P. C. Chelazzi. 2,247,186; June 24.
Building structure, Auxiliary. J. E. Webster. 2,247,340; June 24.
Building surfaces, Forming. J. H. Hardy. 2,246,514; June 24.
Burner: *See*—
Liquid fuel burner. Stove burner.
Oil burner.
Bus connector. L. G. Walters. 2,246,557; June 24.

Cam arm, Whip roll. W. T. O'Shields. 2,246,694; June 24.
Camera, Photographic roll film. P. Takács. 2,247,104; June 24.
Can: *See*—
Sanitary waste can.
Candle holder for candlesticks. J. D. Romano. 2,246,953; June 24.
Caoutchouc dispersions or the like, Purifying and concentrating. W. Pauli and P. Stamberger. 2,247,065; June 24.
Cap and jar, Wrench. M. A. West. 2,246,649; June 24.
Car construction. M. P. Blomberg. 2,246,499; June 24.
Car for transporting vehicles, Railroad. J. C. Smith. 2,246,543; June 24.
Car seat, Revolving. C. A. van Derveer. 2,247,264; June 24.
Carbinamine, Xylyl methyl. F. P. Nabenhauer. 2,246,529; June 24.
Carburetor. C. deGuyon. 2,247,189; June 24.
Carburetor for hydrocarbon fuels. O. V. Berhoudar. 2,247,181; June 24.
Carrier: *See*—
Boat and luggage carrier.
Case: *See*—
Display case. Fly case.
Case. H. J. Osborne. 2,246,598; June 24.
Case and lighter, Combined cigarette. L. Müller. 2,247,174; June 24.
Casing joint structure. J. R. Hall. 2,247,125; June 24.
Casing lock, Telephone instrument. F. Morton. 2,247,249; June 24.
Catalyst. L. Heard and A. G. Oblad. 2,246,682; June 24.
Catalyst cracking, Clean circuit powdered. C. E. Hemminger. 2,247,126; June 24.
Catalyst regeneration. E. B. Peck. 2,246,950; June 24.
Catalytic converter. D. M. Hurt. 2,246,684; June 24.
Catalytic material. W. A. Schulze and F. E. Frey. 2,246,900; June 24.
Carburetor. E. A. Winfield. 2,246,825; June 24.
Cellulose spinning solution and preparing the same, Cuproammonium. W. H. Furness. 2,247,124; June 24.
Ceramic body. J. A. Fitzgerald. 2,247,120; June 24.
Chain: *See*—
Conveyer chain.
Chair seat. H. P. Nordmark. 2,246,893; June 24.
Cigarette. J. C. Seney. 2,246,929; June 24.
Cinematographic apparatus. P. Heinisch. 2,247,295; June 24.
Ciphering machine. B. C. W. Hagelin. 2,247,170; June 24.
Circuit: *See*—
Amplifier circuit. Separating circuit.
Electric bridge circuit. Tuned circuit.
Line coupling circuit.
Circuit breaker. W. H. Frank. 2,247,193; June 24.
Circuit breaker. W. H. Frank and E. T. Platz. 2,247,194; June 24.
Circuit breaker. W. H. Frank and E. T. Platz. 2,247,195; June 24.
Circuit breaker operating means. A. Loos. 2,247,201; June 24.
Circuit for signalling systems, Receiving. J. R. Davey. 2,247,328; June 24.
Circuits, Electric valve. M. A. Edwards. 2,247,167; June 24.
Circuits, Electron beam tube. C. W. Hansell. 2,247,234; June 24.
Circuits employing resonant lines, Neutralizing. A. M. Braaten. 2,247,218; June 24.
Circuits for carrier wave communication systems, Noise-limiting. C. Travis. 2,247,324; June 24.
Clamp: *See*—
Dead end clamp.
Cleaner: *See*—
Gas cleaner. Suction cleaner.
Glass cleaner. Vacuum cleaner.
Cleaning device. H. C. Cochran. 2,246,618; June 24.
Cleaning or sweeping device. P. Shurhay. 2,246,640; June 24.
Closure, Bag. R. T. Moore. 2,246,596; June 24.
Closure for pressure vessels. T. Tinker. 2,247,105; June 24.
Clothespin. H. R. F. Stender. 2,246,606; June 24.
Clutch: *See*—
High speed clutch.
Clutch. E. E. Wemp. 2,246,769; June 24.
Coal cleaning apparatus. K. Prins. 2,246,532; June 24.
Coating composition and making the same. E. B. Oberg. 2,246,983; June 24.
Coin collector, Telephone. F. A. Hoyt. 2,246,590; June 24.
Comb, Barber's. M. H. McCoy. 2,246,746; June 24.
Combination tool. J. J. Brady. 2,247,327; June 24.
Compass, Earth inductor. C. L. Washburn. 2,246,558; June 24.
Compass, Gyromagnetic. J. Delsuc. 2,247,288; June 24.
Composition and method for treating molten metals. M. J. Udy. 2,247,262; June 24.
Compressor. J. Heinrich and E. Spilger. 2,246,515; June 24.
Compressor. A. Trask. 2,246,868; June 24.
Compressor regulator. L. L. Collins. 2,246,913; June 24.
Condenser control apparatus. A. Howard. 2,247,056; June 24.
Condensation, Method for. E. Schirm. 2,246,762; June 24.
Condition responsive device, Phase balance. R. G. Lorraine. 2,247,062; June 24.
Conduit for fluid under pressure, Noise and wave muffling. H. McCurdy. 2,247,130; June 24.
Connecting device. A. E. Davies. 2,246,509; June 24.
Connecting device. H. W. Earl. 2,246,670; June 24.
Connector: *See*—
Bus connector. Wire connector.
Distributor cable connector.
Container: *See*—
Hairpin container.
Container. G. B. Anderson. 2,247,341; June 24.
Container. J. M. Hothersall. 2,246,518; June 24.
Container. C. E. Phillips. 2,246,695; June 24.
Container and support therefor. B. D. Goldberg. 2,247,232; June 24.
Container reclosure. J. F. Peters. 2,246,533; June 24.
Control apparatus. H. E. Gantzer. 2,246,582; June 24.
Control apparatus. A. L. Riche. 2,246,756; June 24.
Control apparatus, Draft. G. Jansen. 2,246,629; June 24.
Control apparatus, Interlocking. L. E. Spray. 2,247,071; June 24.
Control circuits, Selectivity. E. F. Goodenough. 2,247,155; June 24.
Control device, Hydraulic remote. R. L. Lévy. 2,247,302; June 24.
Control for aircraft, Radio directional. R. W. Goble and O. V. Phillips. 2,247,294; June 24.
Control for conditioning systems. D. J. Stewart and G. F. Drake. 2,246,550; June 24.
Control of electric power systems. L. W. Foster. 2,247,332; June 24.
Control system. I. E. Cole. 2,246,505; June 24.
Control system. H. S. Jones. 2,246,686; June 24.
Control system, Temperature. C. C. Cram. 2,246,668; June 24.
Control switch for vehicle direction signal. J. D. Romano and J. Rigoni. 2,247,135; June 24.
Conveyer. E. L. Drake. 2,246,624; June 24.
Conveyer chain. H. Nicolai. 2,246,810; June 24.
Covering pad. W. Dolg. 2,247,291; June 24.
Cooking apparatus, Electrical. H. K. Foster. 2,247,229; June 24.
Coolant and lubricant for cold rolling mills, Combination. E. D. Spangler. 2,246,549; June 24.
Cooler and dispenser, Beverage. J. S. Mittelstaedt and A. J. Rantz. 2,246,634; June 24.
Cord controlling device. P. Sparkes. 2,246,989; June 24.
Cornerpiece and forming the same. R. B. Bawtenheimer. 2,246,660; June 24.
Counter cash receptacle. A. H. Hilckman. 2,247,020; June 24.
Coupling: *See*—
Lavatory leg coupling Pipe coupling.
Coupling. D. T. Bradley. 2,247,163; June 24.
Coupling and coupling installation. H. J. Murphy. 2,246,750; June 24.
Coupling means. H. A. Berliner. 2,246,568; June 24.
Cowling, Pneumatically controllable. C. F. Blanding. 2,246,498; June 24.
Creeper, Mechanic's. J. H. Heckman. 2,246,628; June 24.
Cribbing for graves, Knockdown. A. F. Dorey. 2,246,623; June 24.
Curler, Hair. H. H. Klein. 2,247,240; June 24.
Current series motor, Alternating. B. Schwarz. 2,247,313; June 24.
Current supply means. M. G. Rees. 2,247,133; June 24.
Current wave production, Alternating. E. Peterson. 2,246,534; June 24.
Curtain, Pant. E. J. Gibbons. 2,246,672; June 24.
Cut film holder. V. P. Shelton. 2,247,257; June 24.
Cutters, Relieving. L. O. Carlsen. 2,246,503; June 24.
Cutting apparatus. J. and A. Wegner. 2,247,215; June 24.
Cutting tip for hammer mills. J. Holland-Letz. 2,246,799; June 24.
Cutting tool. G. J. Barrett and S. Robichaux. 2,246,711; June 24.
Cutting tool, Portable. E. M. Saliba and M. C. Vincent 2,246,761; June 24.
Damper control, Cabinet heater. H. C. T. Schultz and W. E. Kleeb. 2,246,602; June 24.
Date indicator for timepieces. T. H. Harrison. 2,246,883; June 24.
Dead end clamp. R. E. Flamboe. 2,247,015; June 24.
Decoy rack, Flexible and submersible. C. P. Coe. 2,246,574; June 24.
Demand meter. H. M. Witherow. 2,247,108; June 24.
Dental cleaning compact. W. O. and E. E. Smith. 2,247,003; June 24.
Dental engine. W. H. Nitschke. 2,246,530; June 24.
Device for assembling articles. G. Örström. 2,247,175; June 24.
Device for reefing sails. J. C. Childs. 2,247,219; June 24.
Device for the suction of foul air from water-closet basins. E. Ceccato. 2,247,287; June 24.
Dialing tool. J. J. Kuhn, W. T. Pritchard, and A. R. Saunders. 2,247,027; June 24.

Dialysis method and apparatus. D. H. Bailey. 2,247,143; June 24.
Diolefins, Polymerization of. H. M. Guinot. 2,245,937; June 24.
Direction-finding arrangement. G. F. Asbury. 2,246,496; June 24.
Dished articles, Making. N. C. Rendleman. 2,247,002; June 24.
Disintegrator of impact cage type. K. L. Smith. 2,246,902; June 24.
Dispenser: *See*—
Predetermining dispenser.
Dispenser. W. F. Ohme. 2,246,693; June 24.
Display, Adhesive. K. E. Palmer. 2,246,984; June 24.
Display article of manufacture, Decorative. T. H. Firks. 2,247,054; June 24.
Display case, Refrigerated. J. J. Booth. 2,247,274; June 24.
Display device. J. R. Dennis. 2,246,622; June 24.
Distillation, Fractional. C. F. Denney. 2,246,934; June 24.
Distillation process. L. Cacciopoli. 2,247,185; June 24.
Distributing machine for binding material. O. S. Ulland. 2,246,644; June 24.
Distributor cable connector. W. E. Schwarzmann. 2,246,901; June 24.
Doll and action driven circuit therefor. Talking. G. Deitz. 2,247,329; June 24.
Dolly, Mover's. N. H. Maguire. 2,247,096; June 24.
Door latch. C. R. Wolf and N. M. Foulds 2,246,828; June 24.
Dough-Piece shaping machine E. T. Parsons. 2,246,949; June 24.
Draft regulator. A. D. Cole. 2,246,619; June 24.
Drier: *See*—
Hair drier.
Drilling collar. F. Huntsinger. 2,247,173; June 24.
Drive assembly, Front wheel. R. A. Schultz. 2,247,137; June 24.
Driving device for the transmission of power by rolling elements, especially for driving timing mechanisms of tachometers. K. Rezsny. 2,246,538; June 24.
Driving mechanism. R. W. Glasner and E. K. Johansen. 2,246,673; June 24.
Driving mechanism for flexible shafts. M. J. Sullivan. 2,247,004; June 24.
Driving unit for automobiles. M. Klavik. 2,247,300; June 24.
Dust receptacle for suction cleaners. J. L. Summerson. 2,247,103; June 24.
Dynamo regulator system. M. A. Edwards and L. W. Thompson. 2,247,166; June 24.
Dynamoelectric machine. K. A. Harmon. 2,246,587; June 24.
Ear stopper. V. O. Knudsen. 2,246,736–7; June 24.
Egg grading mechanism. H. O. and O. C. Niederer. 2,246,597; June 24.
Egg opener. J. T. Halas. 2,247,016; June 24.
Elastic fabric, Woven. W. D. Clement. 2,246,504; June 24.
Electric brake. T. B. Patch. 2,247,159; June 24.
Electric bridge circuit. E. D. W. Coleman. 2,246,575; June 24.
Electric motor. C. G. Bordeaux and F. S. White. 2,246,777; June 24.
Electric switch. M. W. Eaton. 2,246,724; June 24.
Electric switch. N. C. Fetter. 2,246,581; June 24.
Electric switch. B. E. Getchell. 2,247,231; June 24.
Electric switch. G. J. Meuer. 2,247,247; June 24.
Electric switch. H. Rothenberg and L. C. Grimsley. 2,247,136; June 24.
Electrical capacitor. P. McK. Deeley. 2,246,933; June 24.
Electrical fitting. L. Hopkins. 2,247,021; June 24.
Electrical connection, Insulated. C. H. Hill. 2,247,088; June 24.
Electrically operated device for transmitting angular movement. A. Krüssmann. 2,246,887; June 24.
Electroacoustic system and method. J. J. Israel. 2,246,593; June 24.
Electronic apparatus, High frequency. J. P. Blewett and S. Ramo. 2,247,077; June 24.
Electronic voltage regulator. P. C. Gardiner. 2,247,082; June 24.
Electrothermic reduction of volatile metals. S. R. Keemle. 2,247,334; June 24.
Elevator cab isolation. F. Hymans. 2,246,732; June 24.
Elevator position indicator. F. S. Kummer. 2,246,921; June 24.
Elevator and pneumatic grain cleaner, Combined. L. Delivuk. 2,246,723; June 24.
Enamel. R. W. Goodwin. 2,247,196; June 24.
End for containers, Reinforced. P. Zalkind. 2,246,966; June 24.
Engine: *See*—
Dental engine. Two-stroke engine.
Internal combustion engine.
Engine frame construction. J. W. Owens and H. Davids. 2,246,857; June 24.
Esters of cinnamic acid, Aryloxy alkyl. G. H. Coleman. and B. C. Hadler. 2,246,974; June 24.
2,246,974; June 24.
Ethanes, Cyclohexyl unsymmetrical diphenyl. F. B. Smith and H. W. Moll. 2,246,988; June 24.
Ethers, Oxidizing. R. L. Brown. 2,246,569; June 24.
Ethers of keto-cyclopentano-polyhydrophenanthrene compounds and preparing same, Enolic. E. Schwenk and B. Whitman. 2,246,540; June 24.
Expansion joint. J. MacK. Spears. 2,246,903; June 24.
Extension device. A. Cunningham. 2,247,187; June 24.
Extinguisher, Cigarette. H. Stachowiak. 2,246,642; June 24.
Extractor for hose couplings. W. O. Schleinitz. 2,246,954; Pune 24.
Extrusion device. E. J. Roth. 2,246,758; June 24.
Extrusion device and making formations of plastic material. E. J. Roth and J. L. Ellis. 2,246,759; June 24.
Eye exercising machine. H. Katz. 2,246,687; June 24.
Fabric: *See*—
Elastic fabric. Pile fabric.
Fabric and method, Knitted. O. Fregeolle. 2,247,343; June 24.
Fabric resistant to fungal and bacterial attack, Rendering. H. M. Robinson. 2,247,339; June 24.
Fan, Awning. O. W. Chase. 2,247,276; June 24.
Fan casing. F. L. Pierce. 2,246,859; June 24.
Fastener: *See*—
Safety fastener. Snap fastener.
Fastener member and fastener installation. W. H. Churchill. 2,246,720; June 24.
Fastener member and fastener secured installation. S. M. Del Camp. 2,246,722; June 24.
Fat or fatty acid of the ricinoleic series, Dehydrating a hydroxylated. R. T. Ubben and J. R. Price, Jr. 2,246,768; June 24.
Fatty compositions, Stabilizing. G. D. Martin. 2,247,280–1; June 24.
Faucet. F. E. Rice. 2,247,099; June 24.
Feed-controlling mechanism for textile or other machines. R. H. Lawson. 2,247,244; June 24.
Feeder: *See*—
Filming feeder.
Feeding and registering apparatus. W. W. Davidson. 2,246,508; June 24.
Feeding device for shaker conveyers. P. H. Burnell. 2,246,835; June 24.
Fertilizer applicator, Liquid. C. H. Wixom. 2,246,827; June 24.
Fibers, Manufacture of synthetic. J. J. Schilthuis and J. D. W. Hubbeling. 2,246,899; June 24.
Film presser pad assembly. K. Brenkert. 2,246,970; June 24.
Filming feeder. F. L. Bishop, Jr. 2,247,010; June 24.
Filter: *See*—
Air filter. Rotary filter.
Band-pass filter.
Filter for gaseous media. G. Herbster. 2,246,994; June 24.
Financial instrument. I. A. Dale. 2,247,222; June 24.
Fish, Cutting. A. L. Christiansen. 2,246,839; June 24.
Flame arrester. J. R. Edwards. 2,247,225; June 24.
Flotation machine. A. J. Weinig and R. D. Renner. 2,246,560; June 24.
Fluorescent material, Preparing. G. R. Fonda. 2,247,192; June 24.
Flow device for wells, Universal. G. A. Humason and W. J. Clay. 2,247,023; June 24.
Flower holder, Cut. E. Endres. 2,247,191; June 24.
Flowerpot holder. R. H. Flues. 2,246,490; June 24.
Fluid, Controlling pressure. O. Lesser. 2,247,301; June 24.
Fly case. W. N. Grandin. 2,246,626; June 24.
Follow block. P. Zalkind. 2,246,967; June 24.
Food and apparatus for use in connection therewith, Smoking. M. Lipschutz. 2,246,804; June 24.
Food, Animal. S. L. Wessel. 2,246,770; June 24.
Foot gripper for shoes. M. J. Larkin. 2,246,944; June 24.
Fountain device, Fluid. J. W. Castino. 2,246,838; June 24.
Frame: *See*—
Vehicle frame.
Framing. M. P. Blomberg. 2,247,273; June 24.
Framing mechanism and shutter compensator. K. Brenkert. 2,246,972; June 24.
Frequency control, Automatic. R. J. Kircher. 2,246,688; June 24.
Frequency reducer for electromagnetic hammers, Rotary. P. A. Macchioni. 2,246,922; June 24.
Friction device. H. T. Kraft. 2,246,978; June 24.
Fruit clipper. P. Metzger. 2,246,747; June 24.
Fruit juicing machine. E. E. Edenfield. 2,247,190; June 24.
Fryer, Portable utility. W. A. Meletio. 2,246,854; June 24.
Fuel air injection and ignition system, Low pressure. S. W. Leonard. 2,246,998; June 24.
Fuel briquettes, Making. W. V. Johnson. 2,247,026; June 24.
Fuel consisting predominantly of normally fluid hydrocarbons in solidified form, Making a. E. D. Stirlen. 2,246,552; June 24.
Fuel feeding attachment for carburetors. C. J. Carver. 2,246,876; June 24.
Fuel pump. W. J. Wagner. 2,246,610; June 24.

Fur inspection device. C. C. Solk. 2,247,211; June 24.
Fur muffler. H. Becher. 2,247,272; June 24.
Furnace: *See*—
Storage furnace.
Furnace control, Gas. S. J. Levine and W. J. King. 2,247,060; June 24.
Furniture joint washer. J. T. Whalen. 2,247,265; June 24.
Fuse switch. F. J. McCluskey and G. W. Goldner. 2,246,807; June 24.
Gain control, Automatic. C. C. Martinelli. 2,246,947; June 24.
Galley lock. W. G. Wiley. 2,246,962; June 24.
Game. J. W. Patterson. 2,247,250; June 24.
Game, Ball rolling. B. G. MacDougall. 2,247,095; June 24.
Game device. A. Rodriguez. 2,246,897; June 24.
Gas cleaner. F. P. Bingman. 2,247,285; June 24.
Gas range. A. P. Schulz. 2,247,178; June 24.
Gas set and method. J. G. O'Keeffe. 2,247,336; June 24.
Gaseous electric discharge device. M. Piranl, H. Ewest, and K. Becker. 2,247,176; June 24.
Gate: *See*—
Highway crossing gate.
Gauge: *See*—
Bellows-type gauge. Pressure responsive gauge.
Gearing, Change-speed. F. Kreis. 2,246,996; June 24.
Gearing, Transmission. C. D. Peterson and E. J. Barth. 2,246,636; June 24.
Gelatinous coatings, Method of and apparatus for manufacturing. S. V. Beaune. 2,246,872; June 24.
Generator: *See*—
Oscillation generator.
Germicide. L. P. Kyrides. 2,246,524; June 24.
Gland seal for rotating shafts. R. A. Baudry. 2,246,912; June 24.
Glass cleaner. C. B. Davis. 2,247,115; June 24.
Glass plates, Suspending. G. P. Despert. 2,247,289; June 24.
Glassmaking batch. J. Ferguson. 2,247,331; June 24.
Glossmeter. D. B. Bradner and G. C. Munro. 2,246,501; June 24.
Glue applicator. H. Anderson. 2,247,110; June 24.
Governing and synchronizing system. E. Herzog. 2,246,516; June 24.
Governing mechanism. E. B. Clarke. 2,247,151; June 24.
Governor, Overbalanced. L. A. Amtsberg. 2,246,910; June 24.
Grate, Furnace. C. B. Bodine. 2,246,715; June 24.
Grating. E. L. Tarof. 2,246,766; June 24.
Greasing device for threaded articles. A. Burge and A. H. Engelhardt. 2,246,874; June 24.
Grille, End adjustable. J. F. Farmer. 2,246,580; June 24.
Grinder, Crankshaft. E. Fuglie and O. Oelkers. 2,247,344; June 24.
Grinder, Meat. M. Burk. 2,247,012; June 24.
Grinding apparatus. I. Bencowitz and H. A. Swem. 2,246,567; June 24.
Grinding machine. C. G. Flygare. 2,247,228; June 24.
Grinding machine. H. P. Troendly, A. B. Rumsey, and J. Bohm. 2,246,869; June 24.
Ground clamp for electrical welding machines. A. L. Webb. 2,247,282; June 24.
Guard and supplemental guardrail securing means, Vertical. R. E. Paddock. 2,246,753; June 24.
Guard and supplemental protecting means, Vertical. R. E. Paddock. 2,246,752; June 24.
Guard, Hinged bumper. E. D. Dall. 2,246,788; June 24.
Gyros, Means for mounting. F. Lauck. 2,246,738; June 24.
Gyroscope caging and erecting means. W. Anscott and O. E. Esval. 2,247,142; June 24.
Hair drier. R. V. Tays. 2,246,767; June 24.
Hairpin container. K. M. Tyree. 2,246,705; June 24.
Hair waving apparatus. E. J. Yven. 2,246,564; June 24.
Hair-waving spacer. J. E. Snyder. 2,246,605; June 24.
Halogens, Recovery of. O. M. Urbain and W. R. Stemen 2,246,645–6; June 24.
Hammer, Power. D. V. Ackerman. 2,246,612; June 24.
Handle: *See*—
Mattress handle.
Handle and lock, Flush door. H. C. Wieben. 2,246,708; June 24.
Handle for confections, Safety. E. E. Cahoon. 2,246,778; June 24.
Harvester, Beet. W. J. Flintjer. 2,247,293; June 24.
Heat exchange device. F. G. Cornell, Jr. 2,247,152; June 24.
Heat exchangers, Making. R. W. Kritzer. 2,247,199; June 24.
Heat shield for motion picture projectors. H. Griffin. 2,246,583; June 24.
Heat exchange element and making the same. R. W. Kritzer. 2,247,243; June 24.
Heater: *See*—
Liquid conductor heater. Stock tank heater.
Heating and cleaning fluid system. H. M. Nobis. 2,246,691; June 24.
Heating apparatus, Catalytic. H. Pravaz. 2,247,035; June 24.
Heating system. J. G. Ames and N. C. Penfold. 2,246,566; June 24.
Heating system. H. S. Kehm and C. G. Newton. 2,246,802; June 24.
High frequency apparatus. S. Ramo. 2,247,338; June 24.
High speed clutch. A. P. Adney. 2,246,774; June 24.
Highway crossing gate. E. G. Little. 2,247,129; June 24.
Hinging and latching assembly for automobile hoods, Combination. E. D. Dall. 2,246,792; June 24.
Hold down and chip collecting attachment for drills. H. R. Fischer. 2,246,916; June 24.
Holder: *See*—
Cut film holder. Flowerpot holder.
Flower holder. Lamp holder.
Hood latching means, Automobile. E. D. Dall. 2,246,793; June 24.
Hood latching mechanism, Automobile. E. D. Dall. 2,246,791; June 24.
Hood latching structure, Automobile. E. D. Dall. 2,246,794; June 24.
Hub for bicycle and other wheels. L. Aldridge. 2,246,492; June 24.
Hydraulic power brake. H. D. Colman. 2,246,667; June 24.
Hydrocarbon conversion system. M. H. Arveson. 2,246,654; June 24.
Hydrocarbons, Concentration and conversion of. K. D. Uitti. 2,246,643; June 24.
Hydrocarbons, Production of. W. Herbert. 2,247,087; June 24.
Hydrocolloid bodies, Controlling the physical dimensions of molded. W. J. Van Rossem. 2,246,822; June 24.
Ice freezing mold. L. G. Henning. 2,247,018; June 24.
Ice freezing mold and tray therefor. L. G. Henning. 2,247,017; June 24.
Ice mold, Individual. L. G. Henning. 2,247,019; June 24.
Ignition system, Electric. K. J. R. Wilkinson. 2,247,075; June 24.
Image reproducer. J. C. Batchelor. 2,247,112; June 24.
Incandescent lamp, Miniature. J. E. Witbeck. 2,247,268; June 24.
Incubator, Infant. T. A. Taylor. 2,246,820; June 24.
Indexing apparatus. G. W. Crise. 2,247,165; June 24.
Indexing strip, Flexible. C. D. Butterbaugh. 2,246,570; June 24.
Indicating instrument. J. H. Hough. 2,246,849; June 24.
Indicating mechanism for internal combustion engines, Oil supply. W. M. Robison. 2,247,309; June 24.
Indicator: *See*—
Elevator position indicator. Luminous indicator.
Inker for plate printing presses. C. J. Gutberlet. 2,246,729; June 24.
Injector using exhaust steam. I. Trofimov. 2,247,005; June 24.
Inlet fitting for swimming pools. L. J. Day. 2,247,116; June 24.
Insect damage, Prevention of. W. B. Hill. 2,246,731; June 24.
Inserting and removing device. J. A. Jensen. 2,247,025; June 24.
Insole, Cushion. W. J. Boos. 2,247,114; June 24.
Insulating composition, Electrically. P. Nowak. 2,247,064; June 24.
Insulator including clamping means for supporting high potential conductors. H. Stockinger. 2,246,904; June 24.
Intaglio perfecting press, Newspaper. I. Gurwick. 2,247,156; June 24.
Internal combustion engine. H. Steiner. 2,246,701; June 24.
Iron. W. H. Burnham, Jr. 2,246,719; June 24.
Ironing machine control. J. A. Castricone. 2,247,149; June 24.
Isomer of progesterone, Structural. K. Miescher and H. Kaegi. 2,246,889; June 24.
Isoprene butyrate and making the same. F. J. Soday. 2,246,546; June 24.
Isoprene valerates and making the same. F. J. Soday. 2,246,547; June 24.
Isoprene propionate and making the same. F. J. Soday. 2,246,545; June 24.
Joint: *See*—
Expansion joint. Pipe joint.
Joint for combination wood and metal structures. I. J. B. Demers. 2,247,330; June 24.
Joint forming machine, Inseam. H. Gordon. 2,246,727; June 24.
Joint for step-down pipe piling. B. C. Moise. 2,246,891; June 24.
Ketones, Preparing cyclopentane-hydrophenanthrene. M. Bockmühl, G. Ehrhart, and H. Ruschig. 2,247,147; June 24.
Key, Typewriter erasing. R. A. Primus. 2,246,925; June 24.
Knitting machine. F. Klumpp and F. Lambach. 2,247,092; June 24.
Knitting reel. A. L. Benson. 2,246,713; June 24.
Lamp: *See*—
Incandescent lamp. Vehicle lamp.
Lamp. F. G. Hovorka. 2,247,022; June 24.
Lamp holder. F. C. De Reamer. 2,247,117; June 24.

Lamp or sign, Gaseous electric. C. J. Sharpe. 2,247,160; June 24.
Lamp with mercury pressure discharge for alternating current circuits, Electric mixed light. H. Krefft, K. Larché, and H. Kummer. 2,247,198; June 24.
Lasting machine, Boot and shoe. H. A. Miller. 2,246,748; June 24.
Latch: *See*—
Automobile hood latch. Door latch.
Latch structure. E. D. Dall. 2,246,787; June 24.
Latching device. H. K. Krantz. 2,246,919; June 24.
Lavatory leg coupling. C. F. Hause. 2,247,235; June 24.
Leads, Method of fabricating connecting. E. Chiffey. 2,246,931; June 24.
Leaf pick-up device for lawn mowers. E. G. Erke and G. E. Morris. 2,246,880; June 24.
Let-off mechanism. W. H. Bahan. 2,246,656; June 24.
Level indication and control, Liquid. D. D. Winter. 2,246,563; June 24.
Lighter, Cigar. H. G. Lehmann. 2,247,093; June 24.
Lignin and product thereof, Preparing. A. W. Schorger. 2,247,210; June 24.
Lignocellulose and product therefor, Producing moldable. A. W. Schorger and J. H. Ferguson. 2,247,204; June 24.
Lignocellulosic material and making the same, Moldable. A. W. Schorger. 2,247,208; June 24.
Lignocellulosic material and product thereof, Making moldable. A. W. Schorger. 2,247,209; June 24.
Lignocellulosic material and product thereof, Making moldable. A. W. Schorger and J. H. Ferguson. 2,247,206; June 24.
Lignocellulosic material and product thereof, Treating. A. W. Schorger. 2,247,207; June 24.
Lignocellulosic product, Molded. A. W. Schorger and J. H. Ferguson. 2,247,205; June 24.
Line coupling circuit, Resonant. A. M. Braaten. 2,247,217; June 24.
Line implement. T. F. Johnson. 2,246,630; June 24.
Liquid conductor heater. M. W. Hanks. 2,246,677; June 24.
Liquid fuel burner. M. A. Powers. 2,247,001; June 24.
Liquid level control apparatus. B. J. Ingram. 2,246,800; June 24.
Liquids at constant rates, Supplying. E. Kinsella. 2,246,594; June 24.
Loader, Wagon. W. H. Bosworth. 2,247,049; June 24.
Loading and unloading mechanism, Vessel. D. M. Baldwin. 2,247,144; June 24.
Lock: *See*—
Casing lock. Galley lock.
Lock for Venetian blinds, Cord. W. J. Stuber. 2,247,322; June 24.
Lock structure, Automobile. R. A. Sandberg. 2,246,815; June 24.
Locking structure, Automobile door. E. D. Dall. 2,246,781–6; June 24.
Locking structure, Automobile door. E. D. Dall. 2,246,790; June 24.
Lubricant. E. J. Barth. 2,246,712; June 24.
Lubricant, Extreme pressure. H. G. Berger, D. E. Badertscher, and F. M. Seger. 2,247,042–6; June 24.
Luminous indicator. H. Loen. 2,246,741; June 24.
Lure, Fish. D. Rosegard. 2,246,757; June 24.
Lure and making the same, Fish. R. L. Housberg. 2,246,850; June 24.
Machine for manufacturing prewelt shoes. J. S. Kamborian. 2,246,520; June 24.
Machine for shaping spur gears. G. Fischer. 2,246,671; June 24.
Machine for testing and matching colors. C. E. Hoover, Jr. 2,247,297; June 24.
Machinery packing. C. R. Hubbard. 2,246,591; June 24.
Magneto. P. Piffath. 2,246,754; June 24.
Maintenance machine. W. E. Holt. 2,246,683; June 24.
Marking device for hole detectors. W. W. Viebahn and L. C. Poole. 2,246,906; June 24.
Material-handling device. M. C. Gordon. 2,246,728; June 24.
Mattress handle. M. Bechik. 2,246,831; June 24.
Measuring and control apparatus. E. C. Wiegmann. 2,247,267; June 24.
Measuring apparatus. T. R. Harrison. 2,246,680; June 24.
Measuring apparatus, Tailor's. G. K. Manus. 2,246,744; June 24.
Measuring instrument. T. R. Harrison. 2,246,679; June 24.
Meat packing process. H. Rumsey, Jr. 2,247,312; June 24.
Mechanical movement. A. Kost. 2,246,689; June 24.
Mechanism for keyless locks, bolts, and locking devices, Combination. T. P. Conlon. 2,247,220; June 24.
Mending kit. A. S. Martin. 2,246,853; June 24.
Meter: *See*—
Demand meter. Var meter.
Method and apparatus for closing and sealing cartons. R. M. Botley. 2,246,614; June 24.
Method and apparatus for loading receptacles with volatile liquids. S. C. Carney. 2,246,875; June 24.
Method and apparatus for television. C. Chilowsky and A. Guerbilsky. 2,247,051; June 24.
Method and apparatus of photography. R. B. Wheelan and A. Balaban. 2,246,561; June 24.
Method and composition for marking articles. F. D. Snell. 2,247,259; June 24.
Method of and means for controlling the effective depth of immersion baths. S. Przyborowski. 2,247,132; June 24.
Method of and means for forwarding sheets. P. H. Roethe. 2,247,134; June 24.
Mill: *See*—
Mulling mill.
Mirror, Illuminating. J. L. Snidow. 2,247,319; June 24.
Mold: *See*—
Ice freezing mold. Tire patch mold.
Ice mold.
Mold for making cellular cores for radiators. C. A. Hammond. 2,246,513; June 24.
Molding apparatus, Continuous. C. K. Roos. 2,246,987; June 24.
Molding machine, Continuous. W. R. Webster. 2,246,907–8; June 24.
Motor: *See*—
Current series motor. Wound motor.
Electric motor.
Motor for deep well turbine pumps, Submersible. A. Nelson. 2,246,751; June 24.
Motor vehicle. F. C. Best. 2,246,661; June 24.
Motor vehicle. H. A. Hicks. 2,246,848; June 24.
Motor vehicle construction. B. B. Bachman and D. J. Macklin. 2,246,830; June 24.
Mount, Picture. L. A. Chilcote. 2,247,150; June 24.
Mounting: *See*—
Ophthalmic mounting. Spindle mounting.
Resilient mounting. Wheel mounting.
Mower, Power lawn. T. B. Funk. 2,247,333; June 24.
Mower sickle bar. H. Jones. 2,246,943; June 24.
Mulling apparatus. E. A. Beardsley and W. E. Naylor. 2,246,991; June 24.
Mulling mill. D. E. Hennessy. 2,246,846; June 24.
Navigation equipment, Radio. D. S. Bond. 2,247,048; June 24.
Navigation instrument. D. G. C. Luck. 2,247,029; June 24.
Necktie. R. P. Burfening. 2,247,184; June 24.
Needle bar for flat hosiery machines. K. R. Lieberknecht. 2,247,303; June 24.
Needle for taking up loops, Slide. A. Holub. 2,246,938; June 24.
Needles, Forming Axminster loom. C. E. Brown. 2,247,342; June 24.
Nipple with coupling head for high pressure lubricant devices. H. Kreidel. 2,247,242; June 24.
Nitroparaffins, Improving the stability of. M. Senkus. 2,247,255; June 24.
Nozzle for fire hose, Breaching. J. W. Geddes. 2,246,797; June 24.
Oil burner. H. W. Miller. 2,246,809; June 24.
Oil, Catalytic cracking of hydrocarbon. N. Menshih. 2,247,097; June 24.
Oil, Catalytic cracking of hydrocarbon. W. J. Sweeney. 2,246,959; June 24.
Oil, Stable fuel. W. J. Ryan and M. T. Kendall. 2,246,760; June 24.
Oil wells, Treatment of. A. D. Garrison. 2,246,725–6; June 24.
Oils, Conversion of hydrocarbon. L. C. Huff. 2,246,592; June 24.
Oils, Conversion of hydrocarbon. K. Swartwood. 2,246,607; June 24.
Oils, Fractioning hydrocarbon. G. W. Nederbragt. 2,246,982; June 24.
Olefin derivatives, Synthesis of. H. N. Lyons. 2,246,980; June 24.
Opener Package. H. G. Disbrow. 2,247,290; June 24.
Ophthalmic mounting. C. O. Cozzens. 2,246,507; June 24.
Optical alignment device. F. Benford. 2,247,113; June 24.
Optical testing apparatus for liquids. F. Assmus. 2,247,008; June 24.
Oscillation generator, Resonant line controlled. A. M. Braaten. 2,247,216; June 24.
Oscillator system. J. D. Reid. 2,246,696; June 24.
Oscillograph apparatus. H. N. Wagar. 2,247,214; June 24.
Oxide composition, Electrically conductive bonded. S. Ruben. 2,247,036; June 24.
Package for food products. A. L. Sherwood. 2,246,818; June 24.
Pad: *See*—
Covering pad.
Paint, Water. J. F. Comeau. 2,246,620; June 24.
Paper, Safety. J. Q. Sherman and W. A. Yackley. 2,246,541; June 24.
Petroleum distillates for color, Treating cracked. R. E. Burk. 2,247,148; June 24.
Petroleum emulsions, Breaking. M. De Groote. 2,246,842; June 24.
Petroleum emulsions, Resolving. L. T. Monson and W. W. Anderson. 2,246,856; June 24.
Phasing arrangement for telefacsimile machines. A. G. Cooley. 2,246,721; June 24.
Phenols, Aryl-amino alkenyl. P. T. Paul. 2,246,924; June 24.
Photographic Exposure apparatus. H. F. Tonnies. 2,247,323; June 24.

Photographic mask for maintaining constant proportions of a visible area, Variable. L. L. Kromholz. 2,246,920; June 24.
Photographic objective, Anastigmatic. R. Richter. 2,247,068; June 24.
Photography, Color. H. Kudar. 2,246,997; June 24.
Photometer. H. Sauer. 2,246,817; June 24.
Pile fabric. F. R. Redman. 2,247,308; June 24.
Pin: *See*—
Safety pin.
Pipe construction. C. W. Christophersen. 2,246,573; June 24.
Pipe coupling. C. E. Norton. 2,247,031; June 24.
Pipe joint. C. E. Norton. 2,247,032; June 24.
Pipe joint and gasket therefor. H. T. Kraft. 2,246,977; June 24.
Pipe joint tester. G. H. Jones. 2,246,885; June 24.
Piston. W. T. Janney and M. H. Sorensen. 2,246,942; June 24.
Piston packing. E. K. Johansen. 2,246,685; June 24.
Pitot static tube, Retractable. W. S. Diehl. 2,246,510; June 24.
Pitting machine, Automatic olive. E. P. Drake. 2,246,843; June 24.
Planting, gardening, and landscaping apparatus. L. Lupo. 2,246,946; June 24.
Plaster and manufacture, Gypsum. M. C. Dailey. 2,247,221; June 24.
Plastic packing stuffing box. J. S. Abercrombie and H. Allen. 2,246,565; June 24.
Plate, Aperture. K. Brenkert. 2,246,971; June 24.
Plaything. D. D. Yoder. 2,246,965; June 24.
Plug: *See*—
Refill fuse plug.
Plug and base, Electrical. G. H. Whitmore. 2,247,006; June 24.
Pneumatic device. C. G. Playfair. 2,246,535; June 24.
Pocket receptacle, Flexible. W. R. Buxton. 2,246,571; June 24.
Portable support. E. H. Hurley. 2,247,024; June 24.
Potentiometer. M. J. Johnson. 2,246,884; June 24.
Powder compact. P. Vroble. 2,247,179; June 24.
Practice device, Tennis stroke. T. D. Stow. 2,247,072; June 24.
Practicing device for golfers. J. W. Harte. 2,246,681; June 24.
Precooler for refrigerator cars. B. R. Giuliano. 2,246,798; June 24.
Predetermining dispenser. E. Thoresen and G. J. Genung. 2,247,139; June 24.
Pregnandione compounds, Obtaining. R. E. Marker. 2,246,595; June 24.
Press: *See*—
Intaglio perfecting press.
Pressure regulator. E. H. Smith. 2,247,037; June 24.
Pressure responsive gauge. C. N. Sugden and S. Kahn. 2,247,102; June 24.
Printing plates, Mounting. A. A. Daniels. 2,246,795; June 24.
Prolamin containing compositions and solutions. R. E. Coleman. 2,246,779; June 24.
Propeller, Airplane. L. Vorhies. 2,246,706; June 24.
Propeller pitch control valve. E. Martin and J. E. Anderson. 2,246,745; June 24.
Propeller, Variable pitch. R. J. Ruths and H. L. Dodson. 2,246,539; June 24.
Protective device for electric lamp assemblies. C. V. C. Lindbloom and H. B. Hendrix. 2,246,945; June 24.
Protector: *See*—
Radiator protector.
Pruning implement. F. E. Hafdell. 2,246,730; June 24.
Pull ring. L. R. Burdett. 2,246,718; June 24.
Puller: *See*—
Screen and liner puller.
Pulp screening apparatus. E. Cowan. 2,246,669; June 24.
Pump: *See*—
Fuel pump. Vacuum pump.
Pump. J. S. Abercrombie. 2,246,772; June 24.
Pump. O. M. Davis. 2,246,577; June 24.
Pump. H. Neibert. 2,247,335; June 24.
Pump assembly, Casing. C. D. Wagner. 2,247,325; June 24.
Pump control. J. W. Hood. 2,246,940; June 24.
Pump unit for liquid dispensing apparatus. W. J. Peter. 2,246,951; June 24.
Pumping attachment for fluid circulating systems, Fluid lift. A. E. Durden. 2,246,845; June 24.
Pumping system, Hydropneumatic. D. Johnston. 2,247,238; June 24.
Push button switch. E. G. Lodge. 2,247,061; June 24.
Quenching apparatus. H. W. Gronemeyer. 2,246,675; June 24.
Quenching device. H. W. Gronemeyer. 2,246,674; June 24.
Rack: *See*—
Bag rack. Tool rack.
Decoy rack.
Radiator protector. C. J. Vollberg and E. A. Myers. 2,246,823; June 24.
Radiator vent valve. W. K. Simpson. 2,246,765; June 24.
Radio-phonograph combination. E. L. Harman. 2,247,171; June 24.
Rake attachment, Motor vehicle sweep. G. K. Turner. 2,246,870; June 24.
Rayon manufacture. W. H. Furness. 2,247,123; June 24.
Razor, Power. I. Kulik. 2,246,523; June 24.
Receiver and trigger-plate assembly for fire-arms. J. E. Browning. 2,247,011; June 24.
Receiver, Ultra short wave. B. Trevor. 2,247,213; June 24.
Receiving system, Antistatic. W. E. Zuccarello. 2,246,771; June 24.
Receptacle: *See*—
Counter cash receptacle. Pocket receptacle.
Receptacle. W. A. Scheuch. 2,246,955; June 24.
Record system, Visible. M. B. Hall. 2,246,584; June 24.
Recorder, Drift. P. Jones. 2,246,519; June 24.
Reel: *See*—
Knitting reel.
Reel drive for combines. D. Hayes. 2,247,172; June 24.
Refill fuse plug. J. Cree and F. Coriett. 2,246,841; June 24.
Reflector. W. Irby. 2,247,058; June 24.
Refrigerant evaporator. R. W. Waterfill. 2,247,107; June 24.
Refrigerating apparatus. C. A. Stickel. 2,246,551; June 24.
Refrigeration. S. W. E. Andersson. 2,246,653; June 24.
Refrigeration. R. M. Buffington. 2,246,665; June 24.
Refrigeration apparatus. H. D. Shaw. 2,246,956; June 24.
Refrigeration apparatus and method. O. Hoyer. 2,246,941; June 24.
Refrigerator. D. F. Newman. 2,247,063; June 24.
Register, Autographic. C. W. Potter. 2,247,067; June 24.
Refrigerator. W. R. Hainsworth. 2,246,676; June 24.
Regulator: *See*—
Compressor regulator. Pressure regulator.
Draft regulator.
Electronic voltage regulator.
Relay. V. A. Leach. 2,246,739; June 24.
Relay, Protective. R. M. Smith. 2,247,317; June 24.
Relay, Protective. W. K. Sonnemann. 2,246,548; June 24.
Relay system, Current responsive protective. P. N. Sandstrom. 2,246,816; June 24.
Reservoir in coffee urn, Hot water. F. C. Ehrenreich. 2,247,226; June 24.
Resilient mounting. J. M. Tyler and R. E. McIntosh. 2,246,704; June 24.
Resilient wheel. W. E. Williams. 2,246,651; June 24.
Resin. L. M. Geigel and W. D. Johnston. 2,247,154; June 24.
Resinous product having anion exchange properties and producing same. E. Melof. 2,246,526; June 24.
Resinous product having anion exchange properties and producing same. E. Melof. 2,246,527; June 24.
Retainer, Screen. H. C. Partridge. 2,247,306; June 24.
Ribbon into its individual threads, Method and apparatus for separating a rubber. R. S. Francis. 2,246,917; June 24.
Ring: See—
Pull ring. Strap connecting ring.
Ringing system, Machine. W. E. Darrow, G. H. Peterson, and L. A. Yost. 2,246,576; June 24.
Rivet. A. R. Messenger. 2,246,888; June 24.
Road grader. F. E. Arndt. 2,247,007; June 24.
Roll, Print. J. M. Goulding. 2,246,976; June 24.
Roller for recorders, Inking. W. Fears. 2,247,081; June 24.
Rolling mill, Guide and shoe. D. S. Campbell. 2,247,050; June 24.
Rotary filter. A. C. Cunningham. 2,246,877; June 24.
Rotary impact tool. P. Van Sittert and S. B. Maurer. 2,246,648; June 24.
Rotor, Aircraft sustaining. H. F. Pitcairn. 2,247,034; June 24.
Rounding machine. J. M. Whelton. 2,246,650; June 24.
Rubber articles, Making. H. Raflovich. 2,247,337; June 24.
Rubber process, Sponge. A. J. Cordrey. 2,246,780; June 24.
Ruler. C. H. Little. 2,247,157; June 24.
Ruling instrument. H. Q. Abell. 2,246,491; June 24.
Safety detention screen. E. B. Ingersoll, H. G. Pillsbury, F. R. E. Smith, and L. E. Willett. 2,246,995; June 24.
Safety fastener. R. F. Haggerty. 2,246,512; June 24.
Safety pin. J. H. Alessi and S. C. Lee. 2,246,495; June 24.
Salt of pyridine bases, Capillary-active. J. P. Wibaut and J. Overhoff. 2,247,266; June 24.
Salts of polyhydroxy amines, Fatty acid. B. M. Vanderbilt. 2,247,106; June 24.
Sanitary waste can. J. F. Geibel. 2,246,975; June 24.
Saw, Clay products. J. A. Bour. 2,247,183; June 24.
Saw, Portable power driven. G. J. Sellmeyer. 2,247,314; June 24.
Scanning method for television image analyzers. U. Knick. 2,246,631; June 24.
Scanning, Unidirectional. H. A. Iams. 2,246,918; June 24.
Scooter, Snow. E. E. Bosca. 2,247,182; June 24.
Screen: *See*—
Safety detention screen. Window screen.
Screen and liner puller. L. Davis. 2,247,188; June 24.

Screen and means for preventing blinding thereof. R. Barlow. 2,247,271; June 24.
Seal for flange connection, Pressure. P. T. Putnam and M. T. Works. 2,246,600; June 24.
Seal, Protection tag. M. Canter. 2,246,572; June 24.
Seals and the like, Manufacture of. C. S. Price. 2,247,252; June 24.
Sealing arrangement. D. F. Warner. 2,247,074; June 24.
Sealing closure for fuses or the like. R. W. Goff. 2,247,084; June 24.
Seat: *See*—
Car seat. Chair seat.
Seat and making the same, Cushion. J. E. Bloomberg. 2,246,662; June 24.
Seat back. K. L. Ashbacker. 2,247,269; June 24.
Seat slide structure. M. J. Gieleghem and W. F. Thoma. 2,247,279; June 24.
Self-cleaning bearing. W. B. Marshall. 2,246,805; June 24.
Semi-solids to ice creams, Method of and means for introducing edible. G. G. Balch. 2,246,871; June 24.
Separating circuit. R. C. Ballard. 2,246,659; June 24.
Separating device. H. A. Jordan. 2,246,851; June 24.
Severing mechanism for bag making machines. T. Sargent and S. Duerden. 2,247,069; June 24.
Shade structure for windows and the like. A. Stone. 2,247,260; June 24.
Shampoo apparatus. E. L. Rockwood. 2,247,310; June 24.
Shaver, Electromagnetically operated. C. Schiffl. 2,246,601; June 24.
Shaver, Vibrating dry. G. Dalkowitz. 2,247,052; June 24.
Shaving cutter mount, Dry. J. A. Hanley. 2,246,586; June 24.
Shearing mechanism, Continuous rotary. A. F. Shields. 2,246,957; June 24.
Sheet for school textbooks, Self-corrective detachable. S. Smith. 2,246,700; June 24.
Sheet material, Article of limp. L. G. Stanley. 2,247,320; June 24.
Shift mechanism for accordions. C. Lindeberg. 2,247,200; June 24.
Shoe lasting machine. J. P. Fredericksen. 2,246,993; June 24.
Shoe press and shoe press pad. J. F. Smith. 2,247,101; June 24.
Shoes, Manufacture of prewelt. J. S. Kamborian. 2,246,521; June 24.
Short wave system. B. Trevor. 2,247,212; June 24.
Shuttle tension. G. A. Buffington. 2,247,286; June 24.
Siftproof bag. W. N. Baker. 2,246,911; June 24.
Sight, Correcting device for weapons. L. Ettore. 2,246,632; June 24.
Signal: *See*—
Traffic signal.
Signal. J. F. Reynolds and W. A. Abegg. 2,246,637; June 24.
Signal for fire alarms, Audible. D. W. Davis. 2,246,878; June 24.
Signaling system. W. T. Rea. 2,246,952; June 24.
Siliceous body. G. J. Bair. 2,247,270; June 24.
Skate. H. Yasklu. 2,246,909; June 24.
Skein-forming machine. W. H. Taylor and S. C. Kershaw. 2,246,608; June 24.
Ski attaching device. C. O. Johnson. 2,247,237; June 24.
Slack adjustor for brakes, Double-acting. B. H. Browall. 2,246,873; June 24.
Sled. C. H. Oermann and J. F. Engdahl. 2,247,033; June 24.
Slicing mechanism. R. Hoe. 2,246,589; June 24.
Smoking pipe and structure, Sanitary. A. E. Brandon. 2,246,717; June 24.
Snap fastener. R. B. Kale. 2,246,852; June 24.
Soil basin tiller. C. Christiansen. 2,246,617; June 24.
Soldering copper stand. L. N. Hampton and A. H. Shangle. 2,246,585; June 24.
Spark plug and making same. J. E. D. McCarty and M. F. Peters. 2,246,948; June 24.
Speed changing means, Continuous variable. W. E. Ewart. 2,247,153; June 24.
Spice. A. Musher. 2,246,528; June 24.
Spindle mounting. H. T. Overbey. 2,246,895; June 24.
Splicer, Tape. W. M. Bacon. 2,246,655; June 24.
Spray fixture and its novel parts. E. L. Rockwood. 2,247,311; June 24.
Spraying apparatus for tractors. R. T. Stribbling and A. E. Simmons. 2,246,866; June 24.
Spraying machine, Automatic. S. Bramsen, E. Gustafsson, and F. W. Wahlin. 2,246,502; June 24.
Spraying process and apparatus. M. Popoff. 2,247,000; June 24.
Spring: *See*—
Vehicle spring.
Stage lift flow device, bellows type, Differential. A. Boynton. 2,246,500; June 24.
Stand: *See*—
Soldering copper stand.
Stand bracket, Whip roll. W. H. Bahan. 2,246,638; June 24.
Stapling device. R. Vancura. 2,246,647; June 24.
Stapling machine, Plierlike. S. Eps. 2,247,292; June 24.
Starch derivatives, Preparing irreversible. F. A. Möller. 2,246,635; June 24.
Steering mechanism, Vehicle. P. K. Beemer. 2,246,833; June 24.
Step, Foldable. P. Pellegrini. 2,246,985; June 24.
Step for trucks, Foldable. P. Pellegrini. 2,246,986; June 24.
Stereoscope, Photogrammetic. J. W. Smith. 2,246,604; June 24.
Stock tank heater. M. H. Keating. 2,247,239; June 24.
Storage furnace. M. Mela. 2,247,304; June 24.
Stove burner. A. J. Whitcomb, O. C. Callow, and W. C. Schofield. 2,247,039; June 24.
Strainer, Hot oil. H. Whitsett. 2,247,040; June 24.
Strand feed-controlling mechanism for textile and other machines. R. H. Lawson. 2,247,245; June 24.
Strap connecting ring. S. Samuels. 2,246,638; June 24.
Strap for welded joints, Butt. E. H. Ewertz. 2,246,579; June 24.
Stropping device, Blade. F. J. Schalow. 2,246,927; June 24.
Structural member and method and means for its manufacture, Trussed. A. B. De Salardi. 2,246,578; June 24.
Suction cleaner. B. C. Becker. 2,246,832; June 24.
Suction cleaner. V. E. Carlson. 2,246,837; June 24.
Suction cleaner. D. G. Smellie. 2,246,862–4; June 24.
Sulphur, Storing. C. S. Collier and L. A. Myers. 2,246,666; June 24.
Support: *See*—
Portable support.
Surge protection for electrical apparatus. W. G. Roman. 2,246,926; June 24.
Surgical instrument. B. J. Shepard. 2,247,258; June 24.
Suspension mechanism. A. G. Herreshoff. 2,246,847; June 24.
Switch: *See*—
Electric switch. Push button switch.
Fuse switch. Time delay switch.
Switch device, Illuminated. M. L. Bigman. 2,246,613; June 24.
Switch mechanism, Lamp. J. F. Voogt. 2,246,961; June 24.
Switch operating mechanism. W. W. Brown. 2,247,080; June 24.
Switch protective means, Motor. R. Lee. 2,246,803; June 24.
Switching apparatus, Remote control. M. R. Johnson. 2,247,059; June 24.
System for television transmission. T. W. Sukumlyn. 2,247,138; June 24.
Tabulating and margin setting mechanism. A. Demmel. 2,247,014; June 24.
Tap. F. E. Rice. 2,247,100; June 24.
Tap, valve, and the like. A. G. Holtam. 2,247,296; June 24.
Taps, Method of forming. G. H. Stimson. 2,246,865; June 24.
Tappet, Valve. R. H. Daisley. 2,247,278; June 24.
Tar distillate, Treatment of wood. A. A. Camilli and M. K. Johnston. 2,246,973; June 24.
Telephone system. H. Dreyer. 2,247,223; June 24.
Telephone system. H. Hoyland. 2,247,055; June 24.
Telephone system. C. E. Lomax. 2,246,742; June 24.
Telephone system. C. E. Lomax and O. D. Grandstaff. 2,246,743; June 24.
Telephone system, Automatic. W. Schwenn. 2,247,254; June 24.
Television receiver. R. S. Holmes. 2,246,939; June 24.
Television scanning and synchronizing system. P. T. Farnsworth. 2,246,625; June 24.
Television system and scanning apparatus. I. S. Mitchell. 2,247,030; June 24.
Textile material. P. Esselmann, K. Kösslinger and J. Dilsing. 2,246,511; June 24.
Therapy applicator, Inhalation. J. R. Wolfe. 2,246,964; June 24.
Thermally controlled valve. I. W. Knight. 2,247,241; June 24.
Thermostat and other thermomotive means. J. Reinthaler. 2,246,536; June 24.
Thermostatic material. F. C. Leonard. 2,246,690; June 24.
Thread, Processing. H. B. Kline, L. S. Fryer and A. H. Burkholder. 2,246,735; June 24.
Tieback for curtains. B. Rosenberg. 2,247,253; June 24.
Time delay switch. L. Uriga. 2,247,038; June 24.
Tire patch mold. J. R. Richards. 2,246,860; June 24.
Tire valve, Pneumatic. A. O. Anderson. 2,246,775; June 24.
Tobacco feeding apparatus. D. W. Molins. 2,246,892; June 24.
Tobacco, Method and apparatus for drying and cooling. R. V. Craggs. 2,246,914; June 24.
Tomato juicing device. L. Spino. 2,246,641; June 24.
Tong. J. P. Pearse. 2,247,098; June 24.
Tool: *See*—
Bearing tool. Cutting tool.
Boring tool. Dialing tool.
Combination tool. Rotary impact tool.
T. A. Ratkowski. 2,247,202; June 24.
Tool rack, Butcher's. G. Wingard. 2,246,652; June 24.
Tooth for excavating implements and the like, Replaceable.

Toothbrush. A. J. Thomas and M. K. Nash. 2,246,867; June 24.
Tractor construction. J. G. Heaslet. 2,246,627; June 24.
Traffic signal. E. J. Sheridan. 2,246,639; June 24.
Transfer ring support and trimming knife. R. P. Weston. 2,246,707; June 24.
Transformer construction. C. Miller. 2,246,890; June 24.
Transformer, Variable ratio. K. Bölte. 2,247,079; June 24.
Transmission control mechanism. O. K. Butzbach. 2,247,164; June 24.
Transmission gear for changing rotating movements into reciprocating movements. G. Kiefer. 2,246,733; June 24.
Transmitter device, Call. J. G. Roberts and C. D. Richard. 2,246,698; June 24.
Transmitter, Start-stop code. G. Beccio. 2,247,162; June 24.
Transmitter, Telephone call. C. D. Richard. 2,246,697; June 24.
Transmitting device, Frictional torque. H. T. Kraft and W. C. McCoy. 2,246,979; June 24.
Trap. A. J. Popp. 2,247,066; June 24.
Tray, Dental impression. L. G. Coble. 2,247,013; June 24.
Tread, Non-slip wear-resistant. W. H. Sayre. 2,246,898; June 24.
Trimming machine. F. L. Brandt. 2,246,664; June 24.
Trimming mechanism for sewing machines. N. Knaus. 2,247,127; June 24.
Truck assembly, Vehicle. R. C. Townsend. 2,246,609; June 24.
Truck for fighting forest fires. C. L. Cherry. 2,246,616; June 24.
Truck, Vehicle wheel supporting. A. E. Gentry. 2,246,882; June 24.
Tube: *See*—
Pilot static tube.
Valve: *See*—
Propeller pitch control valve.
Radiator vent valve.
Thermally controlled valve
Tire valve.
Tubing with impervious lining, Manufacture of helically wound. C. B. Graves. 2,247,197; June 24.
Tuned circuit. J. R. Schick. 2,246,928; June 24.
Tuning instrument. R. G. Arey. 2,247,076; June 24.
Turbine arrangement, Elastic fluid. L. E. Grube. 2,247,086; June 24.
Two-stroke engine, Two-cylinder. M. Klavik. 2,247,299; June 24.
Typewriter, Automatic motorized. A. H. Buckley. 2,247,275; June 24.
Typewriting machine. L. C. Antrim. 2,246,968–9; June 24.
Umbrella, Illuminated stick of. A. L. Campbell. 2,246,836; June 24.
Undergarment, Lady's. D. Blair. 2,246,714; June 24.
Utensil, Cooking. H. K. Foster. 2,247,230; June 24.
Vacuum cleaner. S. Foldes. 2,247,121; June 24.
Vacuum pump, Combination single and two stage. L. L. Collins. 2,246,932; June 24.
Valve. C. F. Johnson and G. G. Harrington. 2,246,801; June 24.
Valve. W. T. Jones and D. J. Connelly. 2,247,090; June 24.
Valve. L. M. C. Seamark. 2,246,764; June 24.
Valve bank, Multiple. L. R. Twyman. 2,247,141; June 24.
Valve converting system, Electric. A. W. Hull. 2,247,057; June 24.
Valve for automotive vehicle heaters. H. J. Findley. 2,247,227; June 24.
Valve for reciprocating ram pumps, Unloading. J. M. and F. H. Towler. 2,247,261; June 24.
Valve translating apparatus, Electric. J. W. Boag and J. C. Read. 2,247,078; June 24.
Valve unit, Multiple. L. R. Twyman. 2,247,140; June 24.
Var meter. H. M. Witherow. 2,247,109; June 24.
Vehicle: *See*—
Motor vehicle.
Vehicle bed construction. L. A. Preston. 2,246,813; June 24.
Vehicle frame. T. E. M. Wheat. 2,246,824; June 24.
Vehicle lamp. I. C. McKechnie. 2,246,808; June 24.
Vehicle spring. H. T. Dow. 2,246,879; June 24.
Vessel for the transport of vehicles. D. M. Baldwin. 2,247,145–6; June 24.
Vibrating apparatus. W. J. Beck. 2,246,497; June 24.
Visible name ledger. J. E. France and R. A. Hammer. 2,247,122; June 24.
Voting machine. R. F. Shoup. 2,246,930; June 24.
Wall base, Adjustable metal. O. Vatet. 2,246,556; June 24.
Wall coping. M. S. Bowne. 2,246,615; June 24.
Warp tensioning device. W. H. Bahan. 2,246,657; June 24.
Washer: *See*—
Furniture joint washer
Weftfork for circular weaving looms. H. Pelcé. 2,247,307; June 24.
Welder. W. H. Martin. 2,246,806; June 24.
Well and cistern automatic pumping plant, Deep. T. S. Harris. 2,246,678; June 24.
Well flowing device. H. C. Otis. 2,246,811; June 24.
Well packer. C. W. Fisher. 2,246,881; June 24.
Wells, Locating levels in. B. S. Smith. 2,246,542; June 24.
Wells, Treating oil and gas. S. M. Zandmer. 2,246,611; June 24.
Wheel: *See*—
Resilient wheel.
Wheel mounting. J. Babin. 2,246,710; June 24.
Wheel suspension. C. C. Utz. 2,246,821; June 24.
Wheelbarrow chassis and body construction. L. H. Garlinghouse. 2,247,083; June 24.
Wind indicating means for aircraft, Relative. G. E. Underwood. 2,246,555; June 24.
Window screen. L. Bradshaw. 2,246,663; June 24.
Wiper, Windscreen. W. R. Lethbridge. 2,246,740; June 24.
Wire connector. M. D. Bergan. 2,247,041; June 24.
Wire drawing block. W. Morgan and J. N. Whalen. 2,247,248; June 24.
Wound motor, Constant speed series. F. F. Uehling. 2,246,905; June 24.
Wrapping machine, Automatic. A. J. Matter. 2,246,525; June 24.
Wrench: *See*—
Cap and jar wrench.
Wrench. W. R. Smith. 2,246,544; June 24.
Wringer feed device, Safety. A. W. Altorfer. 2,246,829; June 24.

CLASSIFICATION OF PATENTS

ISSUED JUNE 24, 1941

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 49: 2,246,647
2,247,292
2— 42: 2,246,826
91: 2,247,272
93: 2,247,180
150: 2,247,184
224: 2,246,714
4— 170: 2,247,235
215: 2,247,287
5— 345: 2,246,831
12— 1: 2,246,520
6: 2,246,993
7: 2,246,748
38: 2,247,101
47: 2,246,664
51: 2,246,727
88: 2,246,650
142: 2,246,521
13— 8: 2,247,334
15— 6: 2,246,864
16: Re.21,846
2,246,832
2,246,862
2,246,863
28: 2,246,618
49: 2,246,683
110: 2,246,867
128: 2,246,640
131: 2,247,115
183: 2,246,837
201: 2,246,773
250: 2,246,740
16—128.1: 2,246,792
17— 4: 2,246,839
18— 8: 2,246,553
2,246,990
18: 2,246,880
47.5: 2,247,208
53: 2,247,337
54: 2,246,735
55.1: 2,246,822
20— 1: 2,247,340
5: 2,246,660
71: 2,246,580
74: 2,246,556
92: 2,246,509
2,247,330
21— 6: 2,247,339
22— 57.2: 2,246,907
2,246,908
123: 2,246,603
151: 2,246,513
23— 122: 2,247,221
217: 2,246,645
2,246,646
239: 2,246,973
242: 2,246,606
250: 2,247,280
2,247,281
282: 2,246,734
288: 2,246,684
24— 137: 2,246,606
158: 2,246,495
2,246,512
224: 2,246,852
28— 1: 2,247,308
21: 2,246,608
22: 2,246,776
29— 34: 2,246,578
86.3: 2,247,025
88.2: 2,246,954
155.55: 2,246,931
157.3: 2,247,199
2,247,243
159.01: 2,247,002
30— 2: 2,247,290
43: 2,246,523
2,246,586
2,246,601
30— 237: 2,246,730
32— 17: 2,247,013
24: 2,246,530
33— 8: 2,246,744
49: 2,246,632
75: 2,247,327
107: 2,246,491
2,247,157
174: 2,246,920
205.5: 2,246,519
222: 2,247,288
34— 99: 2,246,767
35— 48: 2,246,700
56: Re.21,845
36— 3: 2,247,114
7.2: 2,246,562
71: 2,246,944
37— 142: 2,247,202
156: 2,247,007
38— 61: 2,247,149
111: 2,247,177
39— 7: 2,247,129
40— 1: 2,247,259
2: 2,246,984
70: 2,246,633
130: 2,247,160
158: 2,247,150
41— 1: 2,247,252
24: 2,247,054
42— 3: 2,247,011
43— 3: 2,246,574
32: 2,246,626
42: 2,246,850
46: 2,246,757
87: 2,247,066
124: 2,246,731
44— 7: 2,246,552
16: 2,247,026
45— 138: 2,246,662
46— 63: 2,247,315
118: 2,247,329
47— 34: 2,246,490
61: Pl.Pt.475
62: Pl.Pt.476
Pl.Pt.477
48— 74: 2,247,181
79: 2,247,336
192: 2,247,037
49— 1: 2,247,118
77: 2,247,270
2,247,289
79: 2,247,318
51— 9: 2,246,522
94: 2,247,228
114: 2,246,869
221: 2,246,927
241: 2,247,344
288: 2,246,503
2,246,865
305: 2,246,554
53— 3: 2,247,226
55— 3: 2,246,946
108: 2,247,293
56— 26: 2,247,333
27: 2,246,870
122: 2,247,172
294: 2,246,880
298: 2,246,943
335: 2,246,747
57— 130: 2,246,895
58— 5: 2,246,883
60— 52: 2,246,667
2,247,238
54.5: 2,247,302
97: 2,246,516
61— 41: 2,246,623
62— 1: 2,246,875
3: 2,246,845
4: 2,246,956
62— 6: Re.21,837
2,247,028
24: 2,246,798
89: 2,246,676
2,247,063
89.5: 2,247,274
108.5: 2,247,017
2,247,018
2,247,019
114: 2,246,941
116: 2,246,551
119.5: 2,246,665
125: 2,246,653
126: 2,247,107
131: 2,246,506
134: 2,246,999
147: 2,246,634
64— 9: Re.21,843
11: 2,247,163
15: 2,246,750
65— 59: 2,246,695
66— 84: 2,247,092
114: 2,247,303
117: 2,246,938
132: 2,247,244
2,247,245
148: 2,246,707
172: 2,247,343
67— 23: 2,246,953
68— 265: 2,246,829
70— 153: 2,246,784
208: 2,246,708
252: 2,246,815
264: 2,246,781
305: 2,247,220
455: 2,247,249
72— 14: 2,246,955
86: 2,246,615
73— 51: 2,247,297
109: 2,247,102
110: 2,247,089
180: 2,246,555
342: 2,246,575
74— 5: 2,247,142
57: 2,246,733
250: 2,246,810
286: 2,247,153
291: 2,246,673
333: 2,246,636
336: 2,246,996
336.5: Re.21,844
370: 2,246,517
472: 2,247,164
476: 2,246,830
532: 2,246,919
568: 2,247,080
75— 24: 2,247,262
27: 2,247,263
77— 3: 2,247,284
55: 2,246,916
58: 2,247,283
78— 49: 2,246,494
80— 51: 2,247,050
81— 3.1: 2,246,649
103: 2,246,544
83— 11: 2,246,799
2,246,902
45: 2,246,846
2,246,991
46: 2,246,567
84— 1.14: 2,246,855
376: 2,247,200
477: 2,246,699
85— 3: 2,246,834
40: 2,246,888
50: 2,247,265
88— 14: 2,246,501
2,247,008
2,247,047
88— 14: 2,247,113
16.8: 2,247,295
17: 2,246,970
2,246,971
18: 2,246,972
23: 2,246,680
2,246,817
24: 2,246,583
29: 2,246,604
47: 2,246,507
57: 2,247,068
105: 2,247,058
90— 8: 2,246,671
12: 2,246,761
91— 18: 2,246,531
2,246,872
43: 2,247,010
45: 2,246,502
67.8: 2,247,051
67.95: 2,246,541
92— 34: 2,246,669
66: 2,246,537
93— 1.1: 2,246,655
2: 2,246,525
6: 2,246,614
2,247,110
35: 2,246,911
54.2: 2,246,858
80: 2,247,197
94— 5: 2,246,898
18: 2,246,903
44: 2,247,158
95— 2: 2,246,997
5: 2,246,561
10: 2,247,323
31: 2,247,104
66: 2,247,257
97— 55: 2,246,617
98— 94: 2,247,276
106: 2,246,602
99— 2: 2,246,770
138: 2,246,778
140: 2,246,528
171: 2,246,818
174: 2,247,312
229: 2,246,804
100— 47: 2,247,190
101—132.5: 2,247,134
152: 2,247,156
163: 2,246,729
217: 2,246,508
375: 2,246,976
102— 5: 2,246,611
2,247,169
26: 2,247,111
103— 5: 2,246,678
25: 2,246,940
42: 2,246,610
2,246,951
2,247,261
44: 2,246,772
52: 2,246,577
96: 2,247,335
219: 2,247,325
232: 2,246,811
261: 2,247,023
265: 2,247,005
105— 2: 2,247,273
159: 2,246,543
399: 2,246,499
106— 39: 2,247,036
48: 2,247,196
54: 2,247,331
73: 2,247,120
91: 2,246,620
153: 2,246,779
154: 2,246,983
163: 2,247,204
2,247,206
106— 163: 2,247,207
165: 2,246,511
167: 2,247,124
199: 2,247,205
107— 1: 2,246,871
9: 2,246,949
14: 2,246,758
2,246,759
108— 1: 2,247,186
6: 2,246,514
112— 122: 2,247,127
113— 111: 2,247,132
114— 72: 2,247,145
2,247,146
104: 2,247,219
207: Re.21,841
116— 51: 2,246,637
102: 2,246,878
114: 2,247,076
129: 2,246,849
119— 29: 2,246,965
121— 34: 2,246,910
38: 2,247,201
2,247,301
123— 56: 2,247,299
75: 2,246,998
90: 2,247,278
139: 2,246,701
148: 2,247,075
169: 2,246,948
171: 2,246,498
2,247,094
195: 2,246,857
196: 2,247,309
125— 13: 2,247,183
33: 2,246,612
126— 39: 2,246,854
2,247,178
99: 2,247,304
179: 2,246,715
360: 2,247,239
128— 1: 2,246,820
16: 2,247,258
25: 2,246,689
76.5: 2,246,687
84: 2,247,187
152: 2,246,736
2,246,737
186: 2,246,964
129— 16: 2,246,584
2,247,122
17: 2,246,702
2,246,763
26: 2,246,967
131— 4: 2,246,929
109: 2,246,892
136: 2,246,914
195: 2,246,717
206: 2,246,573
132— 11: 2,246,746
33: 2,246,564
36.1: 2,246,605
41: 2,247,240
74.5: 2,246,838
82: 2,247,179
84: 2,247,003
136— 38: 2,247,161
63: 2,247,091
137— 21: 2,247,116
69.5: 2,246,775
111: 2,246,500
122: 2,246,765
138— 90: 2,246,885
139— 13: 2,247,307
100: 2,246,657
107: 2,246,656
115: 2,246,658
215: 2,247,286
139— 384: 2,246,672
411: 2,246,749
423: 2,246,504
143— 47: 2,247,314
146— 2: 2,247,016
3: 2,246,896
27: 2,246,843
115: 2,246,589
174: 2,246,641
189: 2,247,012
2: 2,246,886
149— 24: 2,247,211
150— 38: 2,246,571
46: 2,247,320
152— 40: 2,246,651
153— 2: 2,246,819
33: 2,246,992
54: 2,246,840
154— 1: 2,246,987
2: 2,246,795
155— 14: 2,247,279
96: 2,247,264
133: 2,247,269
143: 2,247,236
166: 2,247,291
180: 2,246,893
156— 14: 2,246,663
2,246,995
16: 2,247,260
17: 2,247,321
2,247,322
33: 2,247,253
39: 2,247,306
40: 2,246,718
158— 4: 2,247,001
91: 2,246,809
96: 2,247,035
109: 2,247,039
150— 13: 2,247,152
161— 15: 2,246,538
163— 5: 2,247,342
164— 0.5: 2,246,542
0.8: 2,246,711
2: 2,247,305
66: 2,246,957
84.5: 2,247,069
166— 10: 2,246,881
21: 2,246,725
2,246,726
167— 22: 2,246,524
169— 19: 2,247,241
170— 162: 2,246,539
172: 2,246,706
171— 34: 2,247,108
2,247,109
95: 2,246,679
97: 2,247,332
119: 2,247,079
2,247,133
209: 2,246,558
2,246,587
2,246,754
222: 2,246,803
223: 2,247,166
227: 2,246,905
312: 2,247,082
172— 36: 2,246,751
2,246,777
126: 2,247,052
237: 2,246,926
239: 2,246,686
2,246,887
2,247,165
276: 2,247,313
281: 2,246,534
289: 2,247,073
173— 269: 2,247,041
273: 2,247,282
328: 2,247,117

173— 332: 2,247,006
339: 2,246,722
174— 88: 2,247,088
171: 2,246,904
175— 183: 2,246,981
294: 2,246,548
2,246,816
2,247,062
2,247,317
315: 2,246,933
361: 2,246,890
363: 2,247,057
2,247,078
2,247,167
375: 2,247,059
376: 2,247,015
176— 1: 2,247,198
38: 2,247,268
122: 2,247,176
177— 314: 2,247,246
327: 2,246,639
336: 2,246,921
352: Re.21,838
369: 2,247,251
178— 2: 2,246,505
2,246,952
6: 2,247,051
6.8: 2,246,625
7.2: 2,247,138
7.5: 2,246,659
2,246,939
2,246,947
2,247,112
7.6: 2,246,721
2,247,030
7.7: 2,246,918
44: 2,246,928
2,246,935
2,247,155
66: 2,247,328
79: 2,247,162
179— 18: 2,247,223
23: 2,247,254
26: 2,246,743
27: 2,247,055
41: 2,246,742
51: 2,246,576
90: 2,246,697
2,246,698
2,247,027
100.1: 2,246,796
100.11: 2,247,171
100.3: 2,246,593
171: 2,247,085
2,247,203
2,247,217
2,247,218
2,247,316
2,247,338
180— 43: 2,247,137
54: 2,246,627
2,247,300
82: 2,246,791
181— 46: 2,247,130
183— 15: 2,247,103
22: 2,247,285
34: 2,246,844
183— 71: 2,247,326
75: 2,246,994
187— 1: 2,246,732
188— 138: 2,247,159
152: 2,246,814
2,246,979
202: 2,246,873
209: 2,246,894
189— 36: 2,246,579
82: 2,246,766
88: 2,246,720
192— 30.5: 2,246,648
53: 2,246,774
88: 2,246,978
105: 2,246,769
107: 2,247,298
125: 2,246,582
194— 9: 2,246,590
196— 9: 2,246,592
2,247,097
10: 2,246,643
2,246,703
2,246,980
13: 2,246,982
25: 2,247,148
49: 2,246,607
50: 2,246,959
52: 2,246,654
2,247,126
94: 2,246,934
132: 2,246,563
150: 2,246,760
197— 4: 2,247,170
20: 2,247,275
63: 2,247,014
133: Re.21,842
2,246,968
2,246,969
181: 2,246,925
198— 9: 2,247,049
31: 2,247,175
208: 2,246,624
220: 2,246,835
200— 17: 2,246,961
19: 2,246,901
30: 2,246,922
33: 2,247,038
50: 2,247,021
2,247,231
59: 2,247,135
60: 2,247,136
67: 2,246,724
76: 2,247,247
84: 2,246,800
87: 2,246,739
114: 2,246,807
116: 2,247,193
2,247,194
2,247,195
130: 2,246,841
131: 2,247,064
138: 2,246,581
2,246,756
140: 2,247,277
159: 2,247,061
167: 2,246,613
202— 12: 2,247,185
202— 57: 2,247,255
204— 180: 2,247,065
205— 20: 2,247,248
206— 41: 2,246,642
41.4: 2,247,174
46: 2,246,936
82: 2,246,622
209— 18: 2,246,532
109: 2,246,851
121: 2,246,597
147: 2,246,728
310: 2,247,271
210— 8.5: 2,247,143
45: 2,246,877
155: 2,247,040
211— 59: 2,246,692
60: 2,246,652
214— 14: 2,247,144
219— 4: 2,246,806
19: 2,247,229
29: 2,246,719
32: 2,247,093
40: 2,246,677
220— 17: 2,246,975
24: 2,246,533
29: 2,246,598
2,247,105
35: 2,246,705
88: 2,247,225
221— 47.4: 2,246,874
67: 2,246,594
2,246,693
101: 2,247,139
120: 2,246,497
157: 2,247,230
224— 29: 2,247,128
229— 5.6: 2,246,518
15: 2,247,341
17: 2,246,755
41: 2,246,960
62: 2,246,596
87: 2,247,191
230— 25: 2,246,913
40: 2,246,933
133: 2,246,859
206: 2,246,808
223: 2,246,515
233: 2,247,121
234— 6: 2,247,214
236— 9: 2,247,000
45: 2,246,619
2,246,629
82: 2,247,267
91: 2,246,668
237— 2: 2,246,566
59: 2,246,691
2,246,802
240— 4.2: 2,247,319
6.42: 2,246,836
7.1: 2,246,808
11.3: 2,246,945
52.1: 2,247,022
241— 12: 2,246,638
242— 43: 2,246,899
45: 2,246,917
53: 2,247,123
54: 2,247,004
243— 130: 2,246,713
150: 2,246,989
244— 1: 2,246,510
18: 2,247,034
2,247,053
110: 2,246,716
129: 2,246,493
246— 134: 2,247,071
248— 8: 2,246,704
354: 2,247,024
357: 2,246,185
359: 2,247,131
250— 2: 2,247,294
11: 2,246,496
2,247,029
2,247,048
20: Re.21,839
2,246,688
2,246,771
2,247,213
2,247,324
27: 2,246,958
27.5: 2,247,077
36: 2,246,631
2,246,696
2,247,216
2,247,234
40: 2,247,212
41.5: 2,246,884
2,246,906
72: 2,246,741
81: 2,247,192
251— 8: 2,247,099
86: 2,247,227
91: 2,247,296
102: 2,246,764
2,246,801
133: 2,247,090
159: 2,246,709
252— 46: 2,246,712
47: 2,247,042
48: 2,247,043
2,247,044
2,247,045
2,247,046
f 49: 2,246,549
230: 2,246,682
241: 2,246,900
242: 2,246,950
341: 2,246,856
344: 2,246,842
253— 1: 2,247,086
39: 2,247,125
59: 2,247,151
254— 133: 2,247,009
168: 2,246,923
255— 35: 2,247,188
61: 2,246,812
257— 2: 2,247,056
3: 2,246,550
132: 2,246,823
260— 9: 2,247,209
10: 2,246,635
36: 2,247,064
42: 2,247,154
72: 2,246,526
2,246,527
260— 90: 2,246,915
93: 2,246,937
124: 2,247,210
290: 2,247,266
338: 2,247,256
397.3: 2,246,595
2,246,889
397.4: 2,247,147
397.5: 2,246,540
398: 2,246,599
2,246,768
404: 2,247,106
449: 2,247,087
476: 2,246,974
488: 2,246,545
2,246,546
2,246,547
570.8: 2,246,529
571: 2,246,924
593: 2,246,569
622: 2,246,963
624: 2,246,762
668: 2,246,988
725: 2,246,780
261— 29: 2,247,119
34: 2,246,825
51: 2,247,189
76: 2,247,311
92: 2,246,876
93: 2,246,559
2,246,560
262— 32: 2,247,215
263— 19: 2,247,070
264— 3: 2,246,745
266— 4: 2,246,675
6: 2,246,674
267— 20: 2,246,821
21: 2,246,847
47: 2,246,879
272— 23: 2,246,960
273— 29: 2,247,072
35: 2,246,681
41: 2,247,095
97: 2,246,907
130: 2,247,250
275— 2: 2,246,644
276— 43: 2,246,902
280—11.31: 2,246,909
11.35: 2,247,237
21: 2,247,182
22: 2,247,033
52: 2,247,063
61: 2,246,882
2,247,096
61.5: 2,246,628
81: 2,246,609
95: 2,246,661
2,246,833
100: 2,246,824
112: Re.21,840
166: 2,246,985
2,246,986
281— 5: 2,246,570
25: 2,246,489
38: 2,247,224
282— 12: 2,247,067
24: 2,247,233
283— 12: 2,247,222
285— 40: 2,247,100
90: 2,246,977
109: 2,246,600
122: 2,247,031
2,247,032
123: 2,246,557
161: 2,246,891
162: 2,246,565
163: 2,247,242
286— 1: 2,247,074
9: 2,246,912
287— 125: 2,246,568
126: 2,246,670
288— 3: 2,246,591
292— 11: 2,246,783
2,246,793
2,246,794
45: 2,246,782
99: 2,246,787
117: 2,246,789
169: 2,246,828
198: 2,246,786
229: 2,246,790
325: 2,246,572
335: 2,246,785
293— 55: 2,246,616
2,246,752
2,246,753
2,246,788
294— 19: 2,246,630
63: 2,247,168
115: 2,247,098
296— 24: 2,246,728
26: 2,246,813
28: 2,246,848
37: 2,246,861
297— 11: 2,246,690
12: 2,246,536
299— 30: 2,246,866
84: 2,246,827
110: 2,246,797
140: 2,247,000
144: 2,247,310
301— 9: 2,246,710
105: 2,246,492
303— 6: 2,247,140
2,247,141
84: 2,246,621
308— 4: 2,247,173
22: 2,246,930
36.3: 2,246,805
159: 2,246,738
231: 2,246,588
309— 2: 2,246,535
4: 2,246,942
34: 2,246,685
312—140.4: 2,247,020
150: 2,247,232
152: 2,246,853

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

Re.21,837 62— 6
Re.21,844 74—336.5
2,246,506: 62— 131
2,246,508: 101— 217
2,246,511: 106— 165
2,246,518: 229— 5.6
2,246,540: 260—397.5
2,246,549: 252— 49
2,246,585: 248— 357
2,246,594: 221— 67
2,246,595: 260—397.3
2,246,606: 24— 137
2,246,620: 106— 91
2,246,656: 139— 107
2,246,659: 178— 7.5
2,246,665: 62—119.5
2,246,671: 90— 8
2,246,681: 273— 35
2,246,695: 65— 59
2,246,705: 220— 35
2,246,715: 126— 179
2,246,721: 178— 7.6
2,246,730: 30— 237
2,246,741: 250— 72
2,246,759: 107— 14
2,246,767: 34— 99
2,246,779: 106— 153
2,246,818: 99— 171
2,246,845: 62— 3
2,246,850: 43— 42
2,246,863: 15— 16
2,246,871: 107— 1
2,246,876: 261— 92
2,246,877: 210— 45
2,246,891: 285— 161
2,246,893: 155— 180
2,246,899: 242— 43
2,246,904: 174— 171
2,246,913: 230— 25
2,246,934: 196— 94
2,246,939: 178— 7.5
2,246,947: 178— 7.5
2,246,973: 23— 239
2,246,983: 106— 154
2,246,999: 62— 134
2,247,011: 42— 3
2,247,024: 248— 354
2,247,031: 285— 122
2,247,032: 285— 122
2,247,042: 252— 47
2,247,064: 260— 36
2,247,105: 220— 29
2,247,112: 178— 7.5
2,247,119: 261— 29
2,247,124: 106— 167
2,247,134: 101—132.5
2,247,148: 196— 25
2,247,151: 253— 59
2,247,206: 106— 163
2,247,207: 106— 163
2,247,208: 18— 47.5
2,247,230: 221— 157
2,247,232: 312— 150
2,247,242: 285— 163
2,247,259: 40— 1
2,247,284: 77— 3
2,247,310: 209— 144
2,247,314: 143— 47

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CONTENTS

	Page
Issue of June 3, 1941	1
Disclaimers	1
Notice of Interference	1
Applications Under Examination	2
Decisions of the U. S. Courts—	
Cover v. Schwartz	3
Gram v. Warner	5
Patent Suits	9
Adverse Decisions in Interference	10
Changes in Classification	10
Trade-Marks Published (147 Applications)	17
Trade-Mark Registrations Granted	34
Trade-Mark Registrations Renewed	39
Reissues	43
Plant Patents	45
Patents Granted	46
Designs	246

June 3, 1941

Trade-Marks	117—No.	387,810 to No.	387,926, inclusive.
T. M. Renewals	50		
Reissues	8—No.	21,814 to No.	21,821, inclusive.
Plant Patents	4—No.	470 to No.	473, inclusive.
Patents	827—No.	2,243,829 to No.	2,244,655, inclusive.
Designs	112—No.	127,558 to No.	127,669, inclusive.
Total	1,118		

Disclaimers

Re. 19,627.—*Edward R. Powell*, Alexandria, Ind. Process of Making Felted Mineral Fiber. Patent dated June 25, 1935. Disclaimer filed May 6, 1941, by the assignee, *Johns-Manville Corporation*.

Hereby enters this disclaimer to claims 1, 2, 7, 8, 11, and 12 of said patent.

2,100,279.—*Roscoe H. George* and *Howard J. Heim*, La Fayette, Ind. Television System. Patent dated November 23, 1937. Disclaimer filed May 6, 1941, by the assignee, *Radio Corporation of America*.

Hereby enters this disclaimer to the subject matter of claims 7, 8, 9, 10, and 11 of said patent.

2,134,956.—*Marcian A. Scheg*, Rochester, N. Y. Alternating Current Relay. Patent dated November 1, 1938. Disclaimer filed May 10, 1941, by the assignee, *General Railway Signal Company*.

Hereby enters this disclaimer by disclaiming from claims 1, 2, 3, 4, 5, 6, 7, 9, 10, and 11 any relay, except wherein a reduction or cessation in the normal current in its "control winding" (designated "control coil" in claims 10 and 11; "distributed second winding" in claims 3, 4, 6, and 9; and "winding on the control poles" in claim 5), and without any change in the direction of such current causes a reversal in the electro-magnetic torque acting on the "rotor" (designated an "eddy current armature" in claim 9) and rotates said rotor from its normal position to a contact actuating position.

2,165,440.—*George S. Bays*, Tulsa, Okla. Gas Mapping. Patent dated July 11, 1939. Disclaimer filed May 6, 1941, by the assignee, *Stanolind Oil and Gas Company*.

Hereby disclaims from

Claims 1 and 2, any method in which the relative sorptive abilities of the soils are determined only by determining the relative amounts of relatively coarse particles or sand and relatively fine particles or clay in said soils;

Claim 3, any method in which the relative abilities of soils to sorb hydrocarbons under standardized conditions are determined only by determining the relative amounts of relatively coarse particles or sand and relatively fine particles or clay in said soils;

Claim 4, any method in which the relative sorptive powers of soil samples for gases heavier than methane are determined only by determining the relative amounts of relatively coarse particles or sand and relatively fine particles or clay in said soils; and

Claim 5, any method in which the sorptive powers of soil samples for hydrocarbons similar to those for which analysis is made are measured only by measuring the relative amounts of relatively coarse particles or sand and relatively fine particles or clay in said soils.

Interference Notice

U. S. Patent Office, *Washington, D. C., May 17, 1941.*

John Percival Beeston, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Patent No. 2,182,463, granted December 5, 1939, to John Percival Beeston, Brock House, Langham St., London, W. 1, England, and the application for patent of Austin M. Wolf, 1338 Martine Ave., Plainfield, N. J., and a notice of such declaration sent by registered mail to said Beeston at the said address having been returned by the post office as undeliverable and counsel for Beeston having stated that he is unable to locate said Beeston, notice is hereby given that unless said Beeston, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business May 17, 1941

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 41,849; Trade-Mark Division, 1,290. Oldest new case, Aug. 22, 1940; oldest amended, Aug. 23, 1940.) (The dates given are 1940 except where † indicates 1941) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Dec. 19	Dec. 23	547
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Nov. 18	Nov. 2	562
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Mar. 18	†Mar. 18	393
7083	4. DONNELLY, A. E., Conveyors Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	†Feb. 13	†Feb. 7	522
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	†Jan. 7	†Jan. 11	442
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Oct. 24	Oct. 25	1,101
5725	7. JARBOE, C. G., Optics; Photography	Nov. 25	Nov. 19	917
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Oct. 11	Oct. 10	860
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Dec. 17	Dec. 26	607
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Dec. 9	†Jan. 2	388
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	†Jan. 22	†Jan. 24	424
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters; Stop Mechanism	Nov. 25	Nov. 22	560
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planting; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Oct. 28	Oct. 30	524
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	†Jan. 31	†Jan. 23	511
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 23	Nov. 9	1,040
5716	16. SPENCER, C. J., Telegraphy; Telephony	†Jan. 11	†Jan. 16	527
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 17	Dec. 23	541
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Dec. 26	Dec. 28	452
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	†Jan. 2	†Jan. 8	646
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Nov. 22	Nov. 27	414
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	†Feb. 15	†Feb. 20	290
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Aug. 22	Aug. 23	1,420
7624	23. BUTTNER, W. J., Registers (part)	Sept. 21	Sept. 21	244
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Oct. 17	Oct. 22	864
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Dec. 30	†Jan. 2	542
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	†Jan. 15	†Jan. 17	412
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Dec. 21	Dec. 4	641
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Dec. 16	Nov. 29	352
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Dec. 9	Dec. 23	698
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	†Jan. 21	†Jan. 22	520
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Dec. 11	Dec. 11	1,357
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	†Jan. 7	†Jan. 13	959
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	†Jan. 10	†Jan. 10	919
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Nov. 14	Nov. 13	409
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Dec. 2	Dec. 4	904
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Dec. 2	Dec. 12	540
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Nov. 27	Dec. 2	526
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Sept. 19	Sept. 11	879
4878	39. WHITNEY, F. L., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	†Jan. 18	†Jan. 21	579
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Oct. 21	Oct. 22	1,713
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Dec. 9	Dec. 5	453
5882	42. CUTTING, H. O., Electric Signaling	†Jan. 27	†Jan. 17	342
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Nov. 16	Nov. 23	555
4087 B	44. HARVEY, L. P., Refrigeration	Nov. 18	Nov. 7	600
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	†Feb. 5	†Mar. 11	354
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Dec. 12	†Jan. 11	597
6082	47. KANOF, W. J., Clutches; Brakes	†Jan. 11	†Jan. 10	342
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Dec. 28	Dec. 28	509
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Nov. 22	Nov. 25	768
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber Coating Processes	Nov. 19	Nov. 20	1,211
5628	51. BACKUS, C. D., Radiant Energy (part)	†Mar. 13	†Mar. 4	442
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	†Jan. 30	†Jan. 31	613
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Nov. 4	Oct. 23	868
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 25	Dec. 24	370
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	†Jan. 4	†Jan. 17	315
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Oct. 21	Oct. 21	1,161
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Oct. 5	Jan. 31	179
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Nov. 26	Nov. 13	568
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Nov. 13	Nov. 19	1,023
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Nov. 28	Dec. 19	337
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	†Jan. 30	†Jan. 24	306
5621	62. PUGH, E. C., Games; Geometrical Instruments	†Feb. 3	†Feb. 24	416
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Nov. 2	Nov. 2	1,001
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	†Feb. 13	†Feb. 12	749
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Mar. 12	†Feb. 14	273
2099 B	TRADE-MARKS: F. A. RICHMOND	†Apr. 10	†Apr. 22	1,290
2605	DESIGNS: H. H. KALUPY	†Apr. 2	Apr. 14	751

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

COVER *v.* SCHWARTZ

No. 4,371. Decided January 6, 1941

[116 F.(2d) 512]

1. INTERFERENCE—INTERPRETATION OF COUNTS.

Counts defining a respirator and calling for an aperture in a plate registering with an intake port construed to require that the aperture and intake port be two separate openings and also to require that these two openings coincide or correspond exactly.

2. SAME—PRIORITY.

Record reviewed and *Held* that the earlier filed application depended upon by the junior party S for constructive reduction to practice failed to disclose a limitation of the counts and that priority should have been awarded to the senior party C.

APPEAL from Patent Office. Reversed.

Mr. Joshua R. H. Potts, Mr. Eugene Vincent Clarke and *Mr. Basel H. Brune* for Cover.

Mr. A. H. Goodman (*Mr. Nathan Schwartz* pro se) for Schwartz.

BLAND, *J.*:

This is a patent interference proceeding in which the appellant, Cover, has appealed from the decision of the Board of Appeals of the United States Patent Office which affirmed the decision of the Examiner of Interferences in awarding to appellee, Schwartz, priority of invention in eight counts involved in the interference.

The counts originated as claims in Patent 2,065,304, issued to Cover December 22, 1936, and, at the instance of the Primary Examiner, were copied, on June 15, 1937, by Schwartz, for the purpose of interference, in his application for patent which had been filed January 25, 1937.

The invention relates to a respirator adapted to being worn over the nose and mouth to protect the wearer from dust, smoke, noxious gas, etc. The applications of both parties relate to a structure comprising a body portion which is provided with an exhaust valve and an intake port, the intake port having filter means which include a corrugated or uneven-surfaced plate for the admission of air which travels from the filter means to the face of the wearer of the respirator. A more detailed explanation of the involved invention is set out in the counts and will appear in the discussion of the several issues which follows.

We regard counts 1, 2, and 3 as illustrative of the appealed counts. They follow:

1. In a respirator, a body portion having an exhaust valve and an intake port, said intake port having filter means comprising a corrugated plate, an aperture in said plate registering with said intake port, and a filter pad secured to said plate over said aperture.

2. In a respirator, a body portion having an exhaust valve and an intake port, said intake port having filter means comprising a plate, an aperture in said plate registering with said intake port, and a filter pad secured to said plate over said aperture, said plate having a plurality of raised portions adapted to provide a space between said pad and plate.

3. In a respirator, a body portion having an exhaust valve and an intake port, said intake port having filter means comprising a plate, an aperture in said plate registering with said intake port, and a filter pad over said aperture, said plate having its periphery curved inwardly to form means to secure said filter pad thereto.

Cover is the senior party. He filed his application for patent on January 9, 1936, his patent issuing, as aforesaid, on December 22, 1936. The junior party Schwartz filed his application on January 25, 1937. The burden was therefore upon the junior party to prove beyond a reasonable doubt that he was the first inventor. Schwartz assumed this burden and introduced many exhibits (some of which are not pertinent here) and much testimony relating to the development of his device. Cover took testimony and undertook to prove by certain exhibits, consisting of drawings, patents, and other documents, and finished respirators, that he had conceived and reduced the invention to practice earlier than any date claimed by Schwartz.

The Examiner of Interferences analyzed the Schwartz testimony and held that he was entitled to a conception date of February 7, 1935, and that he had reduced to practice on December 3, 1935, which latter date is the filing date of an application, Serial Number 52,627, forming part of Schwartz' Exhibit M, hereinafter discussed.

The tribunals below carefully considered the Schwartz record and after holding that he had reduced the invention to practice by the filing of the application in Exhibit M, definitely held that he had not otherwise reduced the invention to practice until he filed his instant application on January 25, 1937. While we disagree with the Board as to its conclusions respecting said Exhibit M, we are in agreement with it in its findings that the remainder of the Schwartz record does not show any reduction to practice of the invention involved in the counts prior to the filing of the application at bar on January 25, 1937.

It is our view that the date of Schwartz' conception—February 7, 1935—is unimportant in view of our conclusion that the application in Schwartz' Exhibit M did not disclose the invention of the involved counts, and we are also of the opinion that the Schwartz record does not support a finding (nor does he contend for it here) that there was any diligence on his part beginning with the critical period and continuing to the date of the filing of his application here involved, which, as before stated, was on January 25, 1937.

The Patent Office tribunals also carefully went into the Cover record, examined his proofs, and held that he was not entitled to any date for conception or reduction to practice earlier than the said filing date (January 9, 1936) of his application which ripened into said Patent 2,065,304.

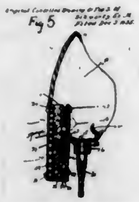
In view of our conclusion, it is unnecessary for us to consider the Cover testimony since the application which ripened into the Cover patent was

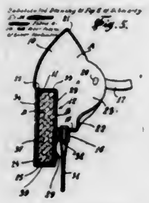
filed on a date prior to any date to which Schwartz is entitled for reduction to practice.

The Examiner of Interferences held, and the Board approved his holding, that Exhibit M clearly disclosed every element of the counts involved, and as we see it the controlling issue for us to now decide is whether or not the Board erred in this respect.

The Patent Office permitted Schwartz to amend the application in Exhibit M by substituting certain new drawings which Cover contends contain new matter. In view of our conclusion that Schwartz did not in the application in Exhibit M, either before or after said amendment, disclose certain elements of the involved counts, it is unimportant to further consider this issue. The drawings, however, are herewith reproduced in order that the exact position of the parts hereinafter discussed may be fully understood.







Cover contends, among other things, that each of the counts involved calls for a body portion and a plate separate from the body portion and that in the disclosure in Figures 4 and 5 of the application in Exhibit M, as well as in the respirators, introduced by Schwartz as exhibits and alleged to respond to the counts, there is no plate separate from the body portion. In view of our conclusion we do not need to pass upon this contention.

[1] It is next contended that the limitation "an aperture in said plate registering with said intake port," found in all the counts, is not supported by the controverted Schwartz disclosure. Schwartz in testimony and in brief points out that his aperture 14 is his intake port. In other words, he contends that the element "intake port" and the element "aperture" are met by his opening 14. If so, and if the limitation is to be read on the drawings, it must follow that the aperture registers with itself. Any reasonable construction of the language of the counts bars the conclusion that it was ever intended to mean that the aperture in the plate registered with itself. In Cover, where the involved counts originated, there is an aperture in the plate and an intake port in the body. The aperture in the plate exactly registers with the intake port in the body and they are separate elements. We think the term "registering" used in the counts was intended to be given and should be given its ordinary meaning which requires that the registering parts coincide or correspond exactly. For registering parts to have "exact correspondence" there must be more than one part.

In the Oxford Dictionary the verb "register" is defined as follows:

> 4. To coincide or correspond exactly. • • • To adjust with precision, so as to secure the exact correspondence of parts.

This court in *In re Spinasse*, 21 C. C. P. A. (Patents) 883, 444 O. G. 985, 69 F.(2d) 109, quoted the above definition of the term with approval in a situation much like the one at bar.

In Webster's New International Dictionary, the verb "register" is defined as follows:

> 2. To correspond exactly one with another; to fit correctly in a relative position; to be in correct alignment one with another, as rivet holes; • • •

In Hawkins' Mechanical Dictionary is found the following:

> Register. • • • (3) A shop term applied to the fitting of one section to another, to cause parts to coincide accurately. The term is applied to the good fitting of pins and holes, rebates, rings, etc.

A case quite in point on this subject, although it relates to patent infringement is *Victory Belt Co.* v. *Marshall Field & Co.*, 300 Fed. 67, 71. This case involved the construction of a patent claim containing the language "having a portion adapted to register with a portion [etc.]" The claim also contained the phrase "and aligned end portions" which referred to another element. The Circuit Court of Appeals for the Seventh Circuit held that the term "register" in the claim meant

> "'to make correspond exactly one with another; to fit correctly in a relative position; to be in correct alignment one with another as rivet holes'"

and pointed out that the term "align" was not used synonymously with the term "register."

It has been suggested that the involved counts read upon the original drawings in the application in Exhibit M when the filter holder and plate and

related parts are to be regarded as the intake port, and the hole in the plate regarded as the aperture. Assuming that it be proper to so apply the counts to the controverted drawing, the situation is not changed because while the aperture 14 may be in alignment or immediately behind the opening in the filter holder where the air comes in, it cannot be said to register with the front filter holder opening, since the aperture is at the top of the plate and is shown to extend less than half way across the same.

Under the above-quoted definitions, which we think are the proper ones to consider, the aperture cannot be held to register with the intake port even if the intake port was regarded as the point where the air first is taken into the device. Each of the counts involved contains the above-quoted limitation "an aperture in said plate registering with said intake port" and in view of our conclusion that Schwartz' application in Exhibit M, neither before nor after amendment, disclosed a structure responding to this limitation, it is not necessary for us to consider other respects in which Cover claims the said Schwartz disclosure is deficient.

It is interesting to note that the exact question which, as is above indicated, we regard as controlling, was not specifically referred to in any manner by either tribunal below, nor is it discussed in appellee's brief except that he says "The plate 27 has an aperture 14 which registers with the intake port 14," and appellant's brief makes no mention of this subject matter except to propound the query:

> "We ask, where does Schwartz disclose a rubber body portion having a port and a separate plate having an aperture registering with the separate port?"

The record shows that these counts were only copied into the Schwartz application after the Cover patent had issued and at the suggestion of the Primary Examiner. The record further discloses that in connection with a motion to shift the burden of proof, Schwartz or his attorneys at one time were of the opinion that the wording of the counts at bar was not supported by Exhibit M for the reason that there must be a separate plate. Schwartz later contended that all the elements of the counts were disclosed in Exhibit M. While these last-stated facts are not of controlling importance, we think it proper to make reference to them. Moreover, the devices of the parties and the main conception of their respective inventions are so wholly different that the involved counts, if placed in a patent to Schwartz, would be "interlopers." See *Cleveland Gas Burner & Appliance Co.* v. *American Heater Corp.*, 38 F.(2d) 760, 763.

[2] We think the Board was in error in affirming the decision of the Examiner of Interferences in awarding priority defined by the involved counts to the party Schwartz, and its decision so doing is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

GRAM *v.* WARNER

No. 4,385. Decided January 6, 1941

[116 F.(2d) 502]

1. INTERFERENCE—ORIGINALITY—CREDIBILITY OF WITNESS.

   The admitted action of certain witnesses for party W in encouraging the filing of an application by party G upon an invention which they testified in the interference between W and G was, in their opinion, the idea of W *Held* not to place said witnesses in a favorable light.

2. SAME—SAME—CIRCUMSTANTIAL EVIDENCE.

   The fact that the party W, under a contract whose terms were suggested by the party G, received a commission or bonus on all sales made by W or others of wallboard embodying the invention in interference between G and W is a circumstance to be considered, along with the other facts and circumstances appearing, on the question whether W was recognized as the inventor.

3. SAME—SAME.

   Evidence reviewed and *Held* to establish beyond a reasonable doubt that the invention in issue originated with W and was derived from him by G and priority *Held* properly awarded to W.

APPEAL from Patent Office. Affirmed.

Mr. Francis G. Boswell for Gram.

Mr. Joseph W. Milburn (*Mr. John A. Griesbauer* of counsel) for Warner.

GARRETT, *Presiding Judge:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming that of the Examiner of Interferences awarding priority to the party Warner in an interference proceeding.

Two counts are involved, reading:

> 1. A laminated wallboard of which the top lamina is composed of a plurality of uniformly spaced planks or panels, and molding strips intervening between the planks or panels, the molding strips being secured to the next under lamina and having their top faces in the same plane as the top faces of said planks or panels.
>
> 2. A laminated wallboard of which the top lamina is composed of a series of planks or panels uniformly spaced with those at the edges of the board inset from said edges a distance equal to half the spacing between the planks or panels to provide rabbets at the edges, and molding strips intervening between the planks or panels and disposed in the rabbets of adjacent boards, the molding strips being secured to the next under lamina and having their top faces in the same plane as the top faces of said planks or panels.

The invention was described by the Examiner of Interferences as follows:

> The subject matter of this interference relates to laminated wallboard which is constructed so as to give a plank or tile effect. The top lamina is grooved at appropriate intervals and molding is inlaid in the grooves with its surface in the same plane as the wallboard. Likewise whenever two panels are to be joined the adjacent edges of the panels are rabbeted and a molding strip is inlaid in the rabbet concealing the joint.
>
> • • • • • • •
>
> The issue is limited to a construction of wallboard wherein the surface is routed out at intervals and the molding inlaid in these grooves, the second count additionally reciting a joint made by rabbeting the adjacent edges of contiguous panels and positioning a strip of molding in the rabbets thus concealing the joint.

It appears from the decision of the Board that Gram contended before it that the meaning of the counts was different from that given them by the Examiner of Interferences and in Gram's brief before us there is argument to the effect that count 1 "is susceptible of a broader interpretation than

that given to it" by the tribunals below, but the brief states,

"However, the appellant is not relying on this broader interpretation of count 1. He believes that he has proven conception, in the spring of 1935, of an invention falling within the issue when given its most limited interpretation."

In view of this statement there appears to be no necessity for our considering the counts separately in an effort to differentiate them.

The basis of the decision appealed from is that of originality, it being held by both tribunals below that Gram derived the invention from Warner.

Gram is the senior party and a patentee, he having received Patent No. 2,090,529, dated August 17, 1937, upon an application, Serial No. 52,591, filed December 2, 1935. The application of Warner, Serial No. 164,771, was filed September 20, 1937. Under such circumstances, the burden rested upon Warner to prove his case beyond a reasonable doubt. The interference was declared October 14, 1937.

In Gram's preliminary statement the approximate date of February 15, 1935, was claimed for conception and the approximate date of March 10, 1935, for reduction to practice, but before us no date earlier than April, 1935, is claimed to have been established for him. Under the holdings below he was, in effect, denied any date for an independent invention of the subject matter, the holdings being that it was disclosed to him by Warner in August, 1935.

It is unnecessary to recite in detail the claims embraced in Warner's preliminary statement.

Testimony was taken by both parties and the record is an extensive one embracing numerous documentary and physical exhibits.

A brief statement respecting the parties and their relationship is deemed proper at this juncture. Both appear to have had much experience as lumber salesmen. From the latter part of 1934 to June, 1937, Gram was employed as acting sales manager for the Vancouver Plywood & Veneer Company (hereinafter referred to as the Vancouver Company) of Vancouver, Wash. Warner for a number of years was employed as a salesman of a composition wallboard for a company referred to as the Wood Conversion Company, a subsidiary of Weyerhaeuser Timber Company. From April 1, 1935, to October 1, 1935, he was in the employ of Nicolai-Neppach Company, which was engaged in the planing mill business at Portland, Oreg. In November, 1935, he returned to the Wood Conversion Company where he remained until he became connected with the Vancouver Company in May, 1936. The parties seem to have first met in the fall of 1934 when Warner called on Gram at the instance of the latter's brother (who was at that time financially interested in the Vancouver Company) relative to securing a position as salesman. Thereafter Warner called on Gram at various times and it is Warner's claim that during a call in August, 1935, while he was connected with the Nicolai-Neppach Company, he disclosed the invention to Gram. The brief on behalf of Gram states:

Beginning at the time of Warner's alleged disclosure to Gram, the activities of the two parties were thereafter joint.

It appears that in October, 1935, the invention was installed in a home which had been entered in the "National Better Homes contest of 1935." In March, 1936, Warner was offered a position by Gram as salesman of the wallboard, which, about that time, began to be called "Art-Ply." The offer, after approval by the company officials, was accepted by Warner and he began work with the company in May, 1936. In the fall of 1936 he made a sales trip to California which lasted for several months, and from January, 1937, to the middle of July, 1937, he made an extensive trip covering most of the country. Gram retired as sales manager June 10, 1937, and Warner succeeded him in that position. It appears that at the time of Gram's retirement Warner was in the eastern section of the United States and that he received a wire asking him to meet John B. Power, general manager of the Vancouver Company, in Washington, D. C., on the evening of June 13, 1937. He did so and there received the tender of the position as sales manager, which subsequently he accepted. It also appears that he then learned for the first time of the pendency of Gram's application for patent, being informed of it by Power.

Further details of the relationship and association of the parties will be set forth later.

At this particular point it is proper to say that one of the contentions made before us on behalf of Gram is that the question involved herein is one of priority and not originality.

Inasmuch as Warner makes no claim of having established conception earlier than August, 1935, it is apparent that if Gram did, in fact, make the invention earlier than that time he would be entitled to an award of priority, even though it should be found that Warner also made the invention independently and disclosed it to Gram as claimed. On the other hand, if Gram did not make the invention prior to Warner, and it should be found that it was not derived from Warner, questions relating to diligence, reduction to practice, etc., apparently would arise.

It seems logical, therefore, first to consider the record on behalf of Gram, notwithstanding his status as senior party and the burden which rests upon Warner of establishing his case beyond a reasonable doubt. That Warner was deemed by counsel for Gram to have established at least a prima facie case is evidenced by the fact that Gram took testimony. The evidence on Gram's behalf consists of his own testimony and that of two witnesses, Taylor and Martin by name, who were connected with an establishment called the Gram Manufacturing Company, located at Portland, Oreg. (just across the Columbia River from Vancouver, Wash.), Taylor as vice president and Martin as factory foreman. Certain exhibits, both documentary and physical, were also introduced in evidence.

The Examiner of Interferences reviewed the evidence adduced on Gram's behalf in great detail and arrived at the conclusion that it failed to establish conception by him prior to August, 1935, the time claimed for Warner. The Board likewise reviewed it and concurred with the Examiner of Interferences. In its decision the Board said:

The party Gram contends that he conceived of the invention in February, 1935, and discussed it with De Penning then connected with the Vancouver Company, but who is now dead. He also discussed it with Taylor who was connected with another company engaged in the lumber business. Apparently his reason for consulting Taylor was for the purpose of having made molding strips of approximately ⅛" thickness. It seems that at this time molding strips were not made of less than ¼" thickness and it was difficult to find any one who would undertake the job of making them thinner. The witness Taylor urged Gram to wait until the return of the witness Martin before undertaking the job, and it appears from the record that they made up 600 or 700 feet in the latter part of April or early May, 1935, and that thereafter Gram, with the aid of De Penning constructed a small model which was later lost, but of which Gram's Exhibit 7 is alleged to be a replica. Nothing further was done until in August when Gram and Warner had a conference at which time the improvement was discussed.

The Examiner of Interferences has held that the corroborating witnesses, Taylor and Martin, fail to substantiate Gram's testimony that he disclosed to them the subject matter in issue. The testimony of these two witnesses on this point is very brief. Taylor's testimony on this point reads as follows:

"Q. 6. State whether or not at that time he explained to you, by rough drawings or otherwise, what he was trying to do. A. 6. He did, yes, sir.

Q. 7. And what was that? A. 7. Trying to make a molding to make the effect on plywood panels have a plank effect to it as well as cover the joints. (Gram's record, p. 176)."

While this testimony does tend to indicate that Gram was trying to produce a plywood board having a panel effect, still it is not clear that he accomplished this by placing the molding in grooves cut in the face of the plywood as called for in the counts. His language would apply equally well to a sheet in which the moldings were applied to the surface as well as in grooves cut in the board.

Also in Martin's testimony which reads as follows:

"Q. 22. Did he show you the plywood board? A. 22. No, he didn't show me a piece of plywood at the time, but he did by a drawing show me how he intended to groove out the plywood and lay this molding in."

It is not clear as to just how the molding was to be arranged on the face of the plywood.

We are of the opinion that the Examiner of Interferences was right in assuming that Gram has failed to prove that he was in possession of the invention prior to his conference with Warner in August, 1935.

We have studied the Gram record most carefully and we are unable to agree that the analyses made by the tribunals below and the conclusion there reached respecting conception by him were erroneous. The testimony specifically cited and quoted in Gram's brief adds no strength to that cited and reviewed in the decisions below.

Since the question is one of fact, no useful public purpose would be served by a further review of that testimony in this decision.

We next consider the matter of Warner's conception of the invention. We say "conception" because, so far as we are able to determine from the record, the first actual reduction to practice of it (without reference to whose invention it was) occurred in October, 1935, when the material was installed in the home which had been entered in the "National Better Homes contest of 1935," above alluded to. It should be said, however, that neither of the tribunals below made a finding with respect to actual reduction to practice by either party. Evidently they did not regard it necessary to do so in view of their conclusion that Gram derived the invention from Warner. Obviously, it was their view that any actual reduction to practice which took place was of the conception of Warner.

The discussion of Warner's conception by the tribunals below, as a matter standing alone, is not very extensive. In the decision of the Examiner of Interferences it was said:

Warner testifying in his own behalf avers that he conceived the invention in August, 1935, and that he had Chirgwin make two samples of his idea of which Exhibits 2 and 3 are replicas the originals having been lost.

Chirgwin corroborates Warner in this allegation and states that Warner came to him with the idea in the summer of 1935 (X–Q. 42, page 92) and that samples like Exhibits 2 and 4, with the exception that screen molding was used, were made (Q. 12, page 88).

Subsequent to the making of these first models Warner states that he went to Gram who was then employed by the Vancouver Plywood and Veneer Company * * * and explained the invention to him. The sales possibilities of this new type of wallboard were discussed with Gram as well as Power the general manager of the company. Gram turned Warner over to Carlson who was foreman of the Vancouver Company shopping plant and several more samples were made as well as full size 4'x 8' panels.

The Board said:

The junior party alleges that he made the first drawings of his invention in May, 1935, and to have explained the invention to others in August, 1935. He originated the invention while in the employ of the Nicolai-Neppach Company and engaged the witness Chirgwin an employee of that company to assist him in making up specimens. These original specimens were lost but it is alleged that his Exhibits 2 and 3 are replicas of the originals and it is clear that Exhibits 2 and 3 clearly show the invention which is covered by two counts * * *.

It will be noted from the above that while the Board held that Exhibits 2 and 3 clearly show the invention, it did not hold that they were in fact replicas of, but merely stated that they were alleged to be replicas of the originals which had been lost.

In the reasons of appeal to us Gram asserts that the Board of Appeals erred:

* * * In apparent acceptance of Warner's Exhibits Nos. 2 and 3 as "replicas" of his alleged original specimens.

There is, however, no specific reason of appeal which challenges the award of conception to Warner in August, 1935, nor is there any contention before us that such award constituted error. There is a statement in Gram's brief that:

If Warner independently conceived the invention or had more than a vague idea of giving plywood wallboard a panel or tile effect which is possible but not probable, he certainly abandoned the invention.

So far as we can determine, the question of abandonment thus suggested was not raised before either of the tribunals below, nor is there any assignment which covers it in the reasons of appeal before us. If in fact Gram derived the invention from Warner the question of abandonment by Warner would seem to require no consideration here even if error had been assigned, and it may be further remarked that if the installation made in October, 1935, was of wallboard, the invention of which was the conception of Warner and not of Gram, such installation being a reduction to practice, seemingly would eliminate any issue as to abandonment even though it should be found that Warner did not disclose the invention to Gram.

Leaving aside for the time being the question of originality the following situation is presented.

In October, 1935, there was a reduction to practice of the invention defined in the counts and Warner (who personally installed the wallboard)

is the only party entitled to an award of conception prior to that time, treating him as an independent inventor. This situation of itself normally would seem to entitle Warner to an award of priority without reference to the matter of originality. However, neither of the tribunals of the Patent Office specifically so held, and in view of the basis of their decisions—originality—we feel it incumbent upon us, under our statutory jurisdiction and duty, to consider and pass upon the latter question.

At the time Gram was first employed as sales manager by the Vancouver Company in 1934 the stock of that company (as a result of a reorganization of a predecessor company) belonged to certain individuals (including a brother of Gram) who subsequently, some time in 1935, sold it to two parties—Snyder and Kilworth, by name. Snyder became president and Kilworth vice president of the company. One A. B. Ridgway became secretary of the company and also its general attorney prior to the sale to Snyder and Kilworth and continued as such thereafter. Gram remained as sales manager until June 10, 1937. During the taking of the testimony Ridgway appeared in the case in the double capacity of attorney for Warner and witness in his behalf. Snyder and Kilworth also appeared as witnesses for Warner. In addition to these there were other witnesses who gave testimony having a bearing upon the question of originality, among whom were John B. Power, general manager of the company, and John C. O'Brien, superintendent of the company's plant.

Warner, testifying in his own behalf, stated with much positiveness that he made disclosure and explanation of the invention to Gram in August, 1935, and this was not denied by Gram, his contention being, as already stated, that he had conceived it before that time. The general purport of the testimony of the officials and employes of the company above named was to the effect that Gram referred to the wallboard as "Warner's idea," and that they thought of it as such.

In its decision the Board quoted testimony of Gram bearing upon the point and commented thereon as follows:

"Mr. Neal: Question 103. Did you ever tell Mr. Power, or Mr. Kilworth, or the other gentlemen who testified in this interference who are employees or officers of the Vancouver Plywood & Veneer Co., that this idea disclosed in your invention was Warner's idea?

Answer 103. No, not in that sense. I did say that Warner was enthusiastic about the sales possibilities, and he said he could sell the entire production of the plant if we could make it in this new type of wallboard, and it was always my policy to give my subordinates all the credit I could for things and to encourage them, and in that respect I may have referred to it as Warner's idea at different times in that sense."

This testimony is not convincing. It appears from the record that the party Warner was not familiar with the filing or prosecution of patent applications and it is probable that he relied upon the Vancouver Company officials to look after this part of the work, and it was only after he learned of the filing of the Gram application that he became acquainted with his rights as an inventor. • • •

We do not deem it necessary to rehearse all the testimony bearing upon this point. We recognize the force of the argument in Gram's brief that the present attitude of the different officials of the company in contending that Warner was the actual inventor is an anomalous one in view of the fact that they had knowledge of the application filed by Gram in his own name and that the company itself paid the initial fees incident to its filing and prosecution.

The witness Snyder, for example, testified:

X–Q. 49. You knew that Mr. Gram was making or had made application for patent?

A. We told him to.

X–Q. 50. You told him to?

A. Yes.

X–Q. 51. And I believe you testified, if I didn't misunderstand you, that you understood it was Mr. Warner's idea?

A. Absolutely.

X–Q. 52. And still you told Mr. Gram to file for a patent in his name, did you?

A. We did.

The record does not disclose whether the Vancouver Company claims or proposes to claim any right in any patent that may be granted to Warner. Apparently, rights were claimed in the Gram patent and an effort to have Gram assign it was made prior to the filing of Warner's application.

[1] The admitted attitude of those officials of the company in encouraging, even directing, the filing of an application by Gram for a patent upon an invention which they now declare was, in their opinion, the idea of Warner does not place them in a favorable light, so far as this court is concerned, and their testimony upon this particular point has had no influence upon our decision. That attitude, however, does not affect facts otherwise proven, and the company's rights and equities are of no concern in this proceeding.

[2] One matter to which the tribunals of the Patent Office evidently gave much weight was the contract made with Warner when he was employed as salesman. Its terms were suggested by Gram as sales manager and approved by the officials. By its terms Warner was to receive a fixed salary per month with traveling expenses and, in addition thereto, what was at first referred to as a commission, or bonus, on all sales of the wallboard whether made by Warner himself, or by other salesmen, or sold directly from the company's plant. It appears that beginning with January 1, 1938, these payments began to be designated on the company's books as "royalties." It will be observed that the latter date was subsequent to the issuance of the patent—August 17, 1937—and, it may be added, subsequent to the declaration of the interference—October 14, 1937. The change in designation from "commission" or "bonus" to "royalty," on the books of the company, appears to have been made at the suggestion of the attorney Ridgway. The record shows that Warner received the commissions referred to while employed as salesman and continued to receive them after he had become sales manager, but the record does not show whether it was contracted, or contemplated, that he receive them during the life of the Gram patent should it survive the seventeen year period.

The contention on behalf of Warner, of course, is that the foregoing evidences recognition of himself as the actual inventor.

We do not regard the fact that commissions were paid Warner in the manner described as conclusive, in itself, that he was recognized as the actual inventor, but it is a circumstance to be considered along with the other facts and circumstances appearing.

[3] Either Gram or Warner made the invention which is at issue. There has been no suggestion that they were joint inventors, although after a certain time they worked in unison in developing the wallboard commercially. It cannot be held, upon the record, that Gram conceived it prior to his conferences with Warner, beginning in August, 1935, nor is there any evidence that Gram independently conceived it thereafter. It was held below, and we concur, that Warner proved conception in August, 1935. So, upon all the facts appearing, we are of the opinion that derivation of the complete invention from Warner by Gram admits of no reasonable doubt.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921 R. S., as amended Feb. 18, 1922]

1,274,514, N. B. Cregier, Signal system, D. C., N. D. Ill., E. Div., Doc. 13213, *N. B. Cregier* v. *City of Chicago, Ill.* Dismissed by stipulation Feb. 7, 1941.

1,408,113, R. C. Mason, Well measuring device, C. C. A., 10th Cir., Doc. 2113, *The Mason Corp. et al.* v. *E. P. Halliburton et al.* Judgment affirmed Mar. 18, 1941.

1,467,930, J. W. Fretwell, Locked razor, C. C. A., 4th Cir., Doc. 4731, *J. W. Fretwell* v. *Peoples Service Drug Stores, Inc.* Decree affirmed Mar. 10, 1941.

1,487,721, L. Clayton, Cement bailer, D. C., S. D. Calif., C. Div., Doc. 1365–H, *L. Clayton* v. *Baash-Ross Tool Co.* Dismissed with prejudice Mar. 13, 1941.

1,547,246, H. W. Weaver, Gasoline filter, D. C., S. D. Calif. (Los Angeles), Doc. 794 RJ, *J. M. Phillips* v. *Motor Improvement, Inc., et al.* Dismissed for want of prosecution Mar. 10, 1941.

1,567,863, Sargent & De Reamer, House wiring structure, C. C. A., 2d Cir., Doc. —, *General Electric Co.* v. *Leviton Mfg. Co.* Decree affirmed (notice Mar. 17, 1941).

1,572,150, K. Kiefer, Filling machine, D. C., N. D. Ill., E. Div., Doc. 15980, *The Karl Kiefer Machine Co.* v. *U. S. Bottlers Machinery Co.* By stipulation suit dismissed without prejudice Jan. 18, 1941.

1,583,496, W. L. Shafer, Heat regulating system, C. C. A., 2d Cir., Doc. —, *General Electric Co.* v. *Minneapolis-Honeywell Regulator Co.* Decree reversed (notice Mar. 17, 1941).

1,593,896, C. A. Brewer, Electric steam pressing iron, D. C., S. D. N. Y., Doc. 12/258, *Cannon Engineering Co. et al.* v. *Smith Benny Sales Co., Inc.* Judgment (notice Mar. 27, 1941).

1,596,944, R. W. Philbrook, Pipe clamp, D. C., S. D. Calif., C. Div., Doc. 795–M, *R. H. Baker & Co.* v. *Smith & Abrahams et al.* Claim 8 held valid, and infringed by T. L. & D. M. Smith; action dismissed as to E. L. & E. M. Abrahams and A. A. Smith Mar. 18, 1941.

1,614,988, J. Lowe, Method and means for visually determining the fit of footwear, D. C., E. D. Pa., Doc. 1426, *X-Ray Shoe Fitter, Inc.*, v. *M. Shapiro.* Consent judgment for plaintiff Mar. 28, 1941.

1,751,165, W. W. McElrath, Apparatus for chemical treatment of fibrous material, filed Mar. 27, 1941, C. C. A., 4th Cir., Doc. 4796, *W. W. McElrath* v. *Industrial Rayon Corp. et al.*

1,758,807, T. Serposs, Garment hanger, filed Mar. 13, 1941, D. C., S. D. Calif., C. Div., Doc. 1449–B, *A. L. Newmyer* v. *Pacific Coast Hanger Mfg. Co.*

1,759,639, M. Belloch, Buckle, filed Mar. 2, 1941, D. C., S. D. N. Y., Doc. 13382, *D. A. Sterling* v. *Ornament Co.*

1,767,439, L. Edelmann, Specific gravity tester, D. C., N. D. Ill., E. Div., Doc. 1947, *E. Edelmann & Co.* v. *Auto Parts & Gear Co.* Claims 5 and 6 held valid and infringed, injunction Mar. 17, 1941.

1,772,051, J. P. Lynn, Pencil, filed Mar. 28, 1941, D. C., E. D. Mo., Doc. 761, *Dur-O-Lite Pencil Co.* v. *Ritepoint Co.*

1,794,537, R. C. Palmer, Process of treating decolorizing agents; 1,794,539, same, Process of revivifying absorbent material; 1,807,599, R. C. Palmer, et al., Process of purifying rosin; 1,810,222, R. C. Palmer, Process of purifying and decolorizing rosin, filed (notice Mar. 18, 1941), D. C., S. D. Miss., S. Div., Doc. 129, *Newport Industries, Inc.*. v. *Crosby Naval Stores, Inc.*

1,794,539. (See 1,794,537.) 1,807,599. (See 1,794,537.)

1,810,222. (See 1,794,537.)

1,798,867, G. Candas, Brooch, D. C., S. D. N. Y., Doc. E 83/200, *Cohn & Rosenberger, Inc.*, v. *Leading Jewelry Mfg. Co., Inc.* Judgment (notice Mar. 11, 1941).

1,829,899, H. N. James, Apparatus for the rectification and amplification of sound waves, D. C., N. D. Ill., E. Div., Doc. 15387, *H. N. James et al.* v. *Jensen Radio Mfg. Co.* Claim 13 held invalid; bill dismissed Jan. 9, 1940. Appeal dismissed Nov. 1, 1940.

1,833,456, G. B. De Gant, Metal roofing sheet, D. C., N. D. Ohio, W. Div., Doc. 4457, *Wheeling Steel Corp.* v. *The New Delphos Mfg. Co.* Consent decree for plaintiff holding claims 1, 2, 3, and 4 valid and infringed; injunction Mar. 27, 1941.

1,833,898, E. H. Hansen, Glass drilling machine, filed Mar. 31, 1941, D. C., S. D. Ohio, E. Div., Doc. 347, *Sommer Maca Glass Machinery Corp.* v. *Howe-Simpson, Inc.*

1,842,578, W. H. Bracken, Luggage tray, D. C., N. D. Ill., E. Div., Doc. 16111, *Hartmann Trunk Co.* v. *S. Dresner & Son, Inc.* On stipulation bill dismissed without prejudice Jan. 4, 1941. Doc. 16112, *Hartmann Trunk Co.* v. *Gladstone Case Mfg. Co.* Decree as above.

1,850,214, C. M. O'Neil, Piston skirt expander, D. C. Minn., 4th Div., Doc. E 2985, *Thexton Mfg. Co. et al.* v. *E. L. Soland et al.* Judgment for plaintiffs Mar. 12, 1941.

1,855,007, D. A. Bradley, Fastener for bands, filed Mar. 11, 1941, D. C. Colo. (Denver), Doc. 282, *M. J. McAneny, Jr.*, v. *Band-It Co. et al.* Same, filed Mar. 17, 1941, D. C. Colo. (Denver), Doc. 284, *M. J. McAneny, Jr.*, v. *Anderson & Forrester.*

1,920,162, Amy & King, Radio aerial attachment, D. C., S. D. N. Y., Doc. 1/166 *Amy, Aceves & King, Inc.*, v. *Birnbach Radio Co., Inc.* Judgment (notice Mar. 17, 1941).

1,922,415, M. Bank, Electrical-including radio-apparatus, D. C., N. D. Ill., E. Div., Doc. 2182, *M. Bank* v. *F. M. Hall.* Claims 1, 2, and 3 held valid and infringed Mar. 11, 1941. Doc. 2262, *M. Bank* v. *Chicago Sound Systems Co.* Decree as above.

1,924,963, C. O. Sherrill, Store, filed Mar. 21, 1941, D. C. Conn. (New Haven), Doc. 575, *The Kroger Grocery & Baking Co.* v. *The Volk Engineering & Mfg. Corp. et al.*

1,955,022. C. J. Rodman, Bathtub, filed Apr. 2, 1941, D. C., E. D. Mich., S. Div., Doc. 2552, *The Steel Sanitary Co.* v. *Murray Corp. of America.*

1,956,994, T. Parsons, Load carrying vehicle, D. C. Tex. (Beaumont), Doc. 105, *T. Parsons* v. *E. L. Mays et al.* Dismissed without prejudice Mar. 21, 1941.

1,962,264, H. Veit, Hair cutting and thinning shears, D. C., N. D. Ill., E. Div., Doc. 1870, *Jetter & Scheerer Products, Inc., et al.* v. *George Kay Supply House.* Consent decree holding patent valid and infringed; injunction

Mar. 7, 1941. Doc. 2053, *Jetter & Scheerer Products, Inc., et al.*, v. *Styles of Devine Beauty Products Co. et al.* Decree as above. Same, D. C., N. D. Ohio, E. Div., Doc. 20646, *Jetter & Scheerer Products, Inc., et al.*, v. *Mutual Beauty & Barber Supply Co.* Decree as above. Apr. 1, 1941.

1,967,350, E. A. Doisy, et al., Hormone and process of obtaining same, D. C., N. D. Ill., E. Div., Doc. 2248, *President and Board of Trustees of St. Louis University* v. *Hospital Liquids, Inc.* Consent decree holding patent valid and infringed; injunction Mar. 10, 1941.

1,971,248, J. C. Black, Process and apparatus for producing low boiling point hydrocarbons from high boiling point hydrocarbons, D. C., W. D. Okla. (Oklahoma City), Doc. E 1762, *Gasoline Products Co., Inc.*, v. *The Globe Oil & Refining Co.* On stipulation, bill dismissed without prejudice Jan. 3, 1941.

1,992,214, D. Katz, Traffic detector, filed Mar. 31, 1941, D. C., S. D. N. Y., Doc. 13/354, *D. Katz* v. *Horni Signal Mfg. Corp.*

2,016,168, D. M. Clark, Elastic fabric, filed Mar. 17, 1941, D. C., S. D. N. Y., Doc. 13/252, *Ladifabrics, Inc.*, v. *Beaunit Mills, Inc.* Same, filed Mar. 19, 1941, S. D. N. Y., Doc. 13/267, *Ladifabrics, Inc.*, v. *Bilt-Rite Knitting Mills, Inc.*

2,105,605, H. Lichtenstein, Sleeveless undergarment, filed Apr. 1, 1941, D. C., S. D. N. Y., Doc. 13/372, *Gerted Corp.* v. *The Barbizon Corp.*

2,108,137, Oftedal & Kingsley, Threshold, D. C., N. D. Ill., E. Div., Doc. 572, *Protex Weatherstrip Mfg. Co. et al.*, v. *Chicago Extruded Metals Co.* By stipulation cause dismissed without prejudice Mar. 12, 1941.

2,123,114, G. Looper, Tufting machine, filed Apr. 2, 1941, D. C., N. D. Ga. (Rome), Doc. 358, *G. Looper* v. *Dixie Belle Spread Co., Inc., et al.*

2,128,678, W. R. Kell, Water eliminator for cooling towers, D. C., S. D. Calif., C. Div., Doc. 1324–BH, *The Marley Co.* v. *City of Glendale, Calif.* Claims 1, 2, and 3 held valid and infringed, injunction Apr. 1, 1941.

2,147,696, V. Gier, Scraper, D. C., S. D. Calif., N. Div., Doc. 84, *V. Gier* v. *J. L. Primrose.* Patent held valid and infringed; injunction Mar. 3, 1941.

2,159,658, W. D. Hall, Control system, filed Feb. 26, 1941, D. C., N. D. W. Va. (Wheeling), Doc. 86–W, *W. D. Hall* v. *Montgomery Ward & Co.* Doc. 87–W, *W. D. Hall* v. *Sears, Roebuck & Co.*

2,163,122, D. E. Hooker, Ball rolling game obstacle, D. C., N. D. Ill., E. Div., Doc. 2113, *Ace Patents Corp.* v. *Genco, Inc.* On motion of plaintiff bill dismissed without prejudice Mar. 11, 1941.

2,179,161, Rambusch & Anderson, Illuminating device, filed Mar. 19, 1941, D. C., E. D. N. Y., Doc. 1902, *Rambusch Decorating Co.* v. *A. Ward Hendrickson & Co., Inc.*

2,181,163, R. W. Akins, Adjustable support for buildings, filed Mar. 29, 1941, D. C., N. D. Ohio, E. Div., Doc. 20745, *Adjusta-Post Co.* v. *Faris Adjustable Jack Co. et al.*

2,188,263, I. W. Eisenberg, Lamp control circuit, D. C., N. D. Ill., E. Div., Doc. 1396, *United Patent Corp.* v. *J. P. Seeburg Corp.* On motion of plaintiff bill is dismissed without prejudice Mar. 19, 1941.

2,188,292, Hall & Falkenberg, Electric target machine with reversing targets, D. C., N. D. Ill., E. Div., Doc. 1304, *Rayolite Rifle Range Co. et al.* v. *Bally Mfg. Co.* Dismissed without prejudice Mar. 13, 1941.

2,215,446, W. H. Wilson, Method of treating the butt end of vegetables, D. C. Ariz. (Phoenix), Doc. 178, *Fruit & Vegetable Processing Co.* v. *R. Eaton et al.* Consent decree for plaintiff for injunction (notice Mar. 19, 1941). Doc. 179, *Fruit & Vegetable Processing Co.* v. *H. H. Reimer et al*, Decree as above. Doc. 180, *Fruit & Vegetable Processing Co.* v. *Farmers Distributing Co.* Decree as above. Same, filed Jan. 8, 1941, D. C., S. D. Calif., C. Div., Doc. 1344–RJ, *Fruit & Vegetable Processing Co.* v. *M. C. Wahl Co., Ltd., et al.* Dismissed on stipulation with prejudice Mar. 24, 1941.

2,215,539, J. W. Bodman, Soap and process of producing same, filed Feb. 27, 1941, D. C. Md., Doc. 1058, *Lever Bros. Co.* v. *Procter & Gamble Mfg. Co.*

2,225,000, J. Rothbart, Kneeling bench, filed Mar. 17, 1941, D. C., S. D. N. Y., Doc. 13/253, *Bronx Casket Mfg. Co., Inc.*, v. *Dacor Corp.*

2,225,580, E. J. Wiggins, Electric scissors, D. C., N. D. Ill., E. Div., Doc. 2438, *American Supercraft Corp.* v. *General Transformer Corp. et al.* On stipulation cause dismissed without prejudice Feb. 19, 1941.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,139,452, Frederick Kreuzer, Printing telegraph receiver, decided May 8, 1941, claims 3, 4, and 6.

Pat. 2,178,358, A. M. Howald and L. S. Meyer, Bonded surface layer and method of forming it, decided March 28, 1941, claims 1, 2, and 4.

Pat. 2,187,834, H. A. Mantz, Magnetic valve, decided May 8, 1941, claims 7, 8, and 9.

Pat. 2,225,190, T. A. Weaver and C. H. Phelps, Fluid-operated electric switch, decided May 7, 1941, claims 1, 2, 3, and 4.

Changes in Classification

Order No. 3,555, May 17, 1941, directs:

In *class 21, Preserving, Disinfecting and Sterilizing* (Division 63), establish the following subclass and definition:

Methods
Fabrics and fibrous material
6.5 Fireproofing.

6.5. Methods under subclass 4 for treating fabrics or fibrous material to make it less combustible or more resistant to fire.

(1) Note.—See this class, subclasses 20 and 21, for processes of fireproofing wood.

(2) Note.—See class 8, BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS, subclass 136, for processes of treating textiles to increase their safe ironing point.

(3) Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, subclass 15 and indented subclasses, for coating, e. g., paints and varnishes, containing fireproofing agents.

(4) Note.—See class 252, COMPOSITIONS, subclass 8.1, for fireproofing compositions in general.

The patents contained in this subclass have been taken from class 134, Liquid Coating Compositions, subclass 78.6, abolished in this order, and from class 91, Coating, subclass 68.

In *class 23, Chemistry* (Division 59), abolish the following subclass with its definition:

Compounds
Bases
Alkali-earth-metal oxides or hydroxides
Hydration
189 Modification.

The patents formerly contained in this subclass have been placed into class 23, subclass 188, and into class 106, Compositions, Coating or Plastic, subclass 118 and indented subclasses, established in this order.

In *class 167, Medicines, Poisons and Cosmetics* (Division 63), establish the following subclasses and definitions:

Poisons
Insecticides, fungicides, germicides and disinfectants
38.5 Wood, paper, or textile saturant
38.6 Organic material containing
38.7 Phenol or derivative.

38.5. Compositions for treating or saturating wood (living or cut), paper or textile material to destroy or repel destructive plant or animal life.

(1) Note.—See this class, subclass 37, for mothproofing compositions.

(2) Note.—Where the composition is both insecticidal and fireproofing, and not a paint or varnish, the original patent is placed here and cross-referenced to class 252, COMPOSITIONS, subclass 8.1, which provides for fireproofing compositions.

(3) Note.—Compositions, e. g., paints or varnishes, which form hard, tenacious superficial films or crusts which serve as physical barriers to exclude deteriorating influences are in class 106, COMPOSITIONS, COATING OR PLASTIC, even though they include a biocidal or insectifugal agent.

(4) Note.—See class 21, PRESERVING, DISINFECTING AND STERILIZING, for apparatus and significantly claimed processes including the use of preserving, disinfecting or sterilizing compositions.

38.6. Compositions under subclass 38.5 which contain an organic compound.

38.7. Compositions under subclass 38.6 which contain a phenol or derivative thereof wherein the hydrogen of the phenolic OH group is replaced by a radical or element, e. g., esters, ethers, or phenates.

(1) Note.—To complete this search, see this class, subclasses 29 and 31.

(2) Note.—See class 21, PRESERVING, DISINFECTING AND STERILIZING, subclass 52, for processes of applying phenolic preserving agents to wood.

The patents contained in these subclasses have been taken from class 134, Liquid Coating Compositions, subclass 78.6, abolished in this order.

In *class 252, Compositions* (Division 64), establish the following subclasses and definitions:

8.1 **Fireproofing**
Colloids
Colloid (polyphase discontinuous-dispersion) systems
Liquid primary dispersants
Water as major dispersant only
Organic major dispersands only
311.5 Bituminous dispersands.

8.1. Compositions specialized and designed for use in treating materials to make them less combustible or more resistant to fire.

(1) Note.—Compositions, e. g., paints or varnishes, which, when applied to surfaces, set or harden to form hard tenacious adherent films, except when they contain synthetic resin or rubber, in which case they are in class 260, are in class 106, COMPOSITIONS, COATING OR PLASTIC, even though they include a fireproofing agent or are inherently fireproofing.

(2) Note.—Compositions which are both biocidal and fireproofing are in class 167, MEDICINES, POISONS AND COSMETICS, subclass 38.5 and indented subclasses.

311.5. Colloid systems under subclass 311 wherein the dispersands comprise a bituminous material which is usually a solid or semi-solid hydrocarbon such as, for example, asphalt, pitch, tar or paraffin wax.

Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, subclass 277, for coating or plastic compositions prepared by admixing bituminous emulsions with other ingredients. The line between classes 106 and 252 in regard to bituminous emulsions is as follows: Processes of preparing bituminous emulsions and the emulsions so produced are in class 252 even though the emulsions have utility as coating or plastic compositions, unless the emulsions contain ingredients over and above those necessary for the preparation or maintenance of the colloid system, such as, for example, cementitious material, pigments, fillers or aggregates.

The patents contained in subclass 8.1 have been taken from class 134, Liquid Coating Compositions, subclass 78.6, abolished in this order, and those in subclass 311.5 have been taken from class 134, subclass 1, abolished in this order.

In *class 2, Apparel* (Division 24), subclass 14, in the note cancel "106, Plastic Compositions, subclass 36.1 and indented subclasses" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 47 and indented subclasses.

In *class 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers* (Division 43), subclass 3, change note (7) to read:

(7) Note.—Coloring of lacquers, varnishes, etc. is in class 106, COMPOSITIONS, COATING OR PLASTIC;

in the first sentence of note (10) cancel "106, Plastic Compositions 134, Liquid Coating Compositions" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC;

in the second sentence of the note cancel "40" and substitute *163 and indented subclasses, especially subclass 193;* and add the following note:

(13) Note.—Compare class 106, COMPOSITIONS, COATING OR PLASTIC, subclass 34, for staining compositions:

in subclass 4, note (1), cancel "106, Plastic Compositions, and 134, Liquid Coating Compositions" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC;

and in note (2) cancel the first sentence; in subclass 6, note (2), cancel "106, Plastic Compositions, and 134, Liquid Coating Compositions" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 253 and indented subclasses, 266 and 272;

in subclass 7, note (2), cancel "134, Liquid Coating Compositions, subclass 33" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 20 and indented subclasses;

in subclass 8, note (1), cancel "106, Plastic Compositions, subclass 24" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 90, 107, and 111;

in subclass 12, note (2), cancel "134, Liquid Coating Compositions, subclasses 7–10" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclass 3 and indented subclasses;

in subclass 18, change note (2) to read:

(2) Note.—Fiber lubricating compositions per se are in class 252, COMPOSITIONS, subclass 9 and indented subclasses;

in note (4) cancel "106, Plastic Compositions, and 134, Liquid Coating Compositions" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC;

in subclass 55 cancel "106, Plastic Compositions, subclasses 37 and 40" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 165, 166, 167, and 193;

in subclass 62, note (2), first sentence, cancel "134, Liquid Coating Compositions, subclasses 35 and 36" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 20 and indented subclasses;

in the second and fourth sentences cancel "134" and substitute *106;* and in the third sentence cancel "134, subclasses 35 and 36" and substitute *106, Compositions, Coating or Plastic;* in subclass 77, note (2), cancel "134, Liquid Coating Compositions, subclass 18 and indented subclasses" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 210 and indented subclasses, and 238;

in subclass 95, note (2), second paragraph, first sentence, cancel "fireproofing"; in the second sentence, after "mildew-proofing" insert *fireproofing,* and change "subclasses 4, 5 and 6" to read *subclass 4 and indented subclasses;* in the third sentence cancel "106, Plastic Compositions, subclasses 37 and 40" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 166 and 192;

in subclass 113, note (6), cancel "fireproofing"; cancel from "134, Liquid Coating Compositions" to the end of the sentence and substitute:

167—MEDICINES, POISONS AND COSMETICS, subclass 38.5 and indented subclasses, and class 252, COMPOSITIONS, subclass 8.1, for compositions;

in subclass 118, in the note cancel "134, Liquid Coating Compositions" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses;

and in subclass 135, note (2), cancel "106, Plastic Compositions" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 166 and 195.

In *class 13, Electric Furnaces* (Division 3), subclass

35, note (1), cancel "106, Plastic Compositions, subclasses 9, 10 and 11" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 43, 44, and 55 and indented subclasses.

In *class 18, Plastics* (Division 15), main class definition, third paragraph, fourth sentence, cancel "classes 106, Plastic Compositions, and 134, Liquid Coating Compositions" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 127, 128, 140, 141, 151, 158, and 163 and indented subclasses;

in the same sentence before "molding" insert *significant;* in the seventh paragraph, first sentence, change "Plastic Compositions" to *Compositions, Coating or Plastic;* in subclasses 5.3 and 48.3, in note (2) of each cancel the reference to class 106 and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 37, for sound recording compositions;

and in subclass 48.8, note (2), cancel "Plastic Compositions" and substitute *Compositions, Coating or Plastic.*

In *class 20, Wooden Buildings* (Division 33), subclass 40.5, note (2) cancel "134, Liquid Coating Compositions, subclass 27" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 13;

and add to the note:

252—COMPOSITIONS, subclass 70, for other frost preventing compositions;

and in subclass 100 change note (2) to read:

(2) Note.—For preservative compositions, see class 106, COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclass 15 and indented subclasses; class 167, MEDICINES, POISONS AND COSMETICS, subclass 38.5 and indented subclasses; and class 252, COMPOSITIONS, subclass 8.1.

In *class 21, Preserving, Disinfecting and Sterilizing* (Division 63), subclass 25, change note (1) to read:

(1) Note.—For wood impregnating compositions, see classes 167, MEDICINES, POISONS AND COSMETICS, subclass 38.5 and indented subclasses, and 252, COMPOSITIONS, subclass 8.1.

In *class 22, Metal Founding* (Division 3), subclass 188, number the existing note (*1*) and add:

(2) Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, for plastic or coating compositions in general.

In *class 23, Chemistry,* (Division 59), main class definition, in note (2) cancel the last sentence; cancel existing note (3) and substitute:

(3) Note.—The line between this class and class 106, COMPOSITIONS, COATING OR PLASTIC, is as follows: Processes which are directed to the production of a compound classifiable in this class (23) and concomitantly therewith a composition classifiable in class 106 are classified in class 23 and cross-referenced into class 106, except where the compound classifiable in class 23 is only incidentally produced and is not an objective of the process.

For the line between this class and class 106, in regard to materials or ingredients, e. g., pigments, see the note to the main class definition of class 106 under the caption "Materials or Ingredients.";

in subclass 34 change the note to read:

Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, subclass 100 and indented subclasses, for Portland type cement making;

in subclass 51 number the existing note (*1*) and add:

(2) Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, subclass 42, for synthetic precious stones which may be synthetic spinels;

in subclass 122, note (3), cancel "106, Plastic Compositions, subclasses 25 and 34" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclasses 103 and 109 and indented subclasses;

in subclass 124 cancel "134, Liquid Coating Compositions, subclass 18" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses;

in subclasses 127, 135, and 146 cancel in each the note; in subclass 147 cancel note (1); in subclass 184, note (1), cancel "106, Plastic Compositions, subclass 25" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 100 and indented subclasses;

in subclass 200, cancel note (1); in subclass 202, cancel note (2); in subclass 210 change the last sentence of the note to read:

When carbon is produced, **search this class**, subclass 209.4;

in subclass 242 in the note cancel the reference to class 106; in subclass 263, note (3), cancel the reference to class 134; and in subclass 290, cancel the reference to class 134.

In *class 25, Plastic Block and Earthenware Apparatus* (Division 15), subclass 156, note (2), change "Plastic Compositions" to *Compositions, Coating or Plastic,* and add the following sentence:

For the line between this class (25) and class 106, COMPOSITIONS, COATING OR PLASTIC, see the note under the caption "Processes of Preparing Compositions," in the main class definition of class 106.

In *class 28, Textiles* (Division 21), main class definition, note (2), cancel "134, Liquid Coating Compositions" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC;

and following the reference to class 245 add *252, Compositions.*

In *class 32, Dentistry* (Division 55), main class definition, note (12), first sentence, cancel "106, Plastic Compositions, subclasses 1 and 6" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 35;

in the second sentence cancel "Plastic Compositions" and substitute *Compositions, Coating or Plastic;* and in subclass 15 change the first sentence of the note to read:

Plastic compositions for teeth are found in class 106, COMPOSITIONS, COATING OR PLASTIC, subclass 35.

In *class 34, Drying and Gas or Vapor Contact with Solids* (Division 49), main class definition, note (2), in the reference to class 106 change "Plastic Compositions" to *Compositions, Coating or Plastic,* and cancel the reference to class 134.

In *class 35, Education* (Division 53), subclass 68, change the note to read:

Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, for coating or plastic compositions in general.

In *class 41, Ornamentation* (Division 17), subclass 20, in note (2) cancel the reference to class 134 and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 20 and indented subclasses, for ink compositions.

In *class 43, Fishing, Trapping and Vermin Destroying* (Division 2), subclass 114, change note (2) to read:

(2) **Search Classes—**

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, for adhesive compositions in general, not containing synthetic resin or rubber.

260—CHEMISTRY, CARBON COMPOUNDS, subclass 2 and indented subclasses, for synthetic resin containing adhesives, and subclass 709 and indented subclasses, for rubber containing adhesives;

and in subclass 124, note (3), cancel the reference to class 134 and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 15 and indented subclasses, for insecticidal paints.

In *class 44, Fuel and Igniting Devices* (Division 64), main class definition, under "Search classes" cancel the reference to classes 106 and 134 and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, for coating or plastic compositions which are not in themselves fuels;

in subclass 10 change the note to read:

Note.—See class 202, DISTILLATION, appropriate subclasses;

in subclass 15 cancel the note; and in subclass 26 cancel note (2).

In *class 49, Glass* (Division 15), main class definition, note (6), cancel "106, Plastic Compositions, subclass 36.1 and indented subclasses" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 47 and indented subclasses;

in subclass 77.5 cancel "106, Plastic Compositions, subclass 25.5" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 51;

and in subclass 81, change the last sentence of note (1) to read:

Cement compositions for use on glass are included in class 106, COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses.

In *class 51, Abrading* (Division 58, subclass 293, note (2), third paragraph, cancel "134, Liquid Coating Compositions" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC;

in note (3) cancel "106, Plastic Compositions" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC;

and in subclass 296 change note (1) to read:

(1) Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 40, 41, 75, 86 and indented subclasses, and 122.

In *class 52, Explosive, Pyrotechnic and Match Compositions* (Division 43), main class definition, under "Search classes" cancel the reference to class 106 and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 128, 141, 151, 158, and 169 and indented subclasses, for pyroxylin containing compositions;

and in subclass 5 change note (2) to read:

(2) Note.—Nitrocellulose per se is in class 260, CHEMISTRY, CARBON COMPOUNDS, subclass 220 and indented subclasses; coating or plastic compositions containing nitrocellulose not limited to use as explosives are in class 106, COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 128, 141, 151, 158, and 169 and indented subclasses.

In *class 74, Machine Elements and Mechanisms* (Divisions 12 and 45), subclass 214, cancel "106, Plastic Compositions, subclass 7.5" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 36;

in subclass 230.1, note (10), cancel the reference to class 106 and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 36;

and in subclass 230.7, note (3), cancel the reference to class 106 and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 36.

In *class 75, Metallurgy* (Division 3), main class definition, in note (1) cancel the last sentence; in note (4) cancel "106, Plastic Compositions" and substitute *106, Compositions, Coating or Plastic*; in subclass 95, note (2), cancel "106, Plastic Compositions, subclasses 9 and 10" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclasses 43, 44, and 55 and indented subclasses;

and in subclass 136 add the following note:

(3) Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, subclasses 43 and 44, for compositions containing plastic compositions not containing a metal binder.

In *class 88, Optics* (Division 7), subclass 114, note (2), second sentence, cancel "106, Plastic Compositions, subclass 36.1 and indented subclasses" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 47 and indented subclasses;

in note (4) cancel the reference to classes 106 and 134 and substitute *106, Compositions, Coating or Plastic*; and in subclass 115 change the note to read:

Note.—For plastic and liquid coating compositions containing cellulose, see class 106, COMPOSITIONS, COATING OR PLASTIC, subclasses 128, 141, 151, 158, and 169 and indented subclasses.

In *class 91, Coating* (Division 38), main class definition, change the seventh paragraph to read as follows:

For the line between this class (91) and class 106, COMPOSITIONS, COATING OR PLASTIC, see the note in the main class definition of class 106, under the caption "Processes of Preparing Compositions";

change the twenty-second paragraph to read:

For metal depositing compositions, see class 106, COMPOSITIONS, COATING OR PLASTIC, subclass 1;

and in subclass 68.3 in note (2) cancel the reference to class 134 and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 1.

In *class 92, Paper Making and Fiber Liberation* (Division 56), subclass 19, cancel the reference to class 106 and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, for coating or plastic compositions in general;

and in subclass 21 cancel note (2) and substitute:

(2) **Search Class—**

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 124 and indented subclasses, 210 and indented subclasses, and 238, for sizing compositions, and subclass 288 and indented subclasses, for fillers useful in papermaking.

In *class 94, Roads and Pavements* (Division 33), main class definition, note (1), cancel "Plastic Compositions" and substitute *Compositions, Coating or Plastic;* in subclass 19 change "Plastic Compositions" to *Compositions, Coating or Plastic;* and in subclass 25 add the following note:

Note.—See class 252, COMPOSITIONS, subclass 88, for dust laying compositions.

In *class 95, Photography* (Division 7), main class definition, note (1), cancel "106, Plastic Compositions, subclass 36.1 and indented subclasses" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 47 and indented subclasses.

In *class 99, Foods and Beverages* (Division 63), subclass 20, note (2), cancel the reference to classes 106 and 134 and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 138, and indented subclasses;

and in subclass 130 change note (2) to read:

(2) Note.—For gelatine containing coating or plastic compositions, see class 106, COMPOSITIONS, COATING OR PLASTIC, subclass 125 and indented subclasses.

In *class 101, Printing* (Division 17), subclass 422, add the following note:

Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, subclass 2, for ink repellant compositions.

In *class 109, Safes, Bank Protection and Related Devices* (Division 20), subclass 29, add the following note:

(9) Note.—See class 252, COMPOSITIONS, subclasses 2 and indented subclasses, and 350, for foam producing and gas generating compositions;

and in subclass 84 change "Plastic Compositions" to read *Compositions, Coating or Plastic.*

In *class 119, Animal Husbandry* (Division 2), subclass 38, cancel the reference to class 106 and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 40, 41, 75, 86 and indented subclasses, and 122, for heat insulating plastic or coating compositions;

and after class 154 add:

252—COMPOSITIONS, subclass 62, for other heat insulating compositions;

in subclass 73, cancel "106, Plastic Compositions, subclass 18 and indented subclasses and" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 40, 41 75, 86 and indented subclasses, and 122;

and at the end of the reference add *and 252, Compositions, subclass 62.*

In *class 120, Stationery* (Division 53), subclass 83, cancel the note and substitute:

Search Class—

106—COMPOSITIONS, COATING OR PLASTIC, subclass 19 and indented subclasses, for marking compositions per se.

In *class 122, Liquid Heaters and Vaporizers* (Division 46), subclass 494, cancel the existing note and substitute:

Search Classes—

53—DOMESTIC COOKING VESSELS, subclass 11; 72, MASONRY AND CONCRETE STRUCTURES, subclass 41; 106, COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 40, 41, 75, 76 and indented subclasses, and 122; 138, PIPES AND TUBULAR CONDUITS, particularly subclasses 32–35; 217, WOODEN RECEPTACLES; 220, METALLIC RECEPTACLES; 154, LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, subclasses 44 and 45; and 252, COMPOSITIONS, subclass 62, for other heat insulating art.

110—FURNACES, subclasses 1 and 4, for brickwork forming part of the furnace which covers the boiler.

In *class 123, Internal Combustion Engines* (Division 48), subclass 169, number the existing note (2) and add:

(1) Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclass 46, for spark plug insulating compositions.

In *class 127, Sugar, Starch and Carbohydrates* (Division 43), subclass 29, note (3), cancel the reference to class 134 and add:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 5, 25, 26, 80, 81, 92, 93, 108, 114, 115, 126 and 130 and their indented subclasses, 150, 151, 157, 158 and 162 and indented subclasses, for carbohydrate containing coating or plastic compositions;

in subclass 33 cancel the note and substitute:

Search Class—
106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 130 and 210 and indented subclasses, for starch containing coating or plastic compositions;

and in subclass 38 cancel note (2).

In *class 131, Tobacco* (Division 2), subclass 230, add the following note:

(3) Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, and the notes to the class definition thereof, for other coating or plastic compositions.

In *class 136, Batteries* (Division 60), subclass 150, in the note cancel the reference to class 134 and substitute:

167—MEDICINES, POISONS AND COSMETICS, subclass 38.5 and indented subclasses; 252, COMPOSITIONS, subclass 8.1.

In *class 138, Pipes and Tubular Conduits* (Division 52), subclass 80, change note (2) to read:

(2) Note.—For materials for making plastic pipes, see class 106, COMPOSITIONS, COATING OR PLASTIC.

In *class 148, Metal Treatment* (Division 3), subclass 6, add the following note:

(3) Note.—This subclass and indented subclasses include coating compositions which react with the metal base wherein the base supplies an ingredient of the coating. See class 106, COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, for coating compositions in general;

and in subclass 22, number the existing note (*1*) and add:

(2) Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, for coating or plastic compositions in general.

In *class 152, Resilient Tires and Wheels* (Division 45), subclass 211, change note (1) to read:

(1) Note.—For anti-skid compositions, see class 106, COMPOSITIONS, COATING OR PLASTIC, subclass 36;

and in subclass 347 cancel note (1) and substitute:

(1) Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, subclass 33, for leak stopping coating or plastic compositions.

In *class 154, Laminated Fabric and Analogous Manufactures* (Divisions 20, 56, and 61), subclass 2.6, note (2), change "Plastic Compositions" to *Compositions, Coating or Plastic*; in subclass 15 cancel the note and substitute:

Search Class—
106—COMPOSITIONS, COATING OR PLASTIC, subclass 33;

in subclass 25, cancel the second note; in subclass 44, in note (2) cancel the reference to class 106 and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 40, 41, 75, 86 and indented subclasses, and 122;

and in subclasses 49 and 51, in note (2) of each cancel the reference to class 106.

In *class 167, Medicines, Poisons and Cosmetics* (Divisions 43 and 63), subclass 13, note (6), cancel "134, Liquid Coating Compositions" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 15 and indented subclasses;

in each of subclasses 29 and 31 add the following note:

Note.—To complete the search, see this class, subclass 38.7;

in subclass 37, note (2), cancel "134, Liquid Coating Compositions" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC;

in subclass 49, change note (2) to read:

(2) Note.—Adhesives generally are found in class 106, COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 125 and 138 and their indented subclasses, 154, 205 and 210 and their indented subclasses;

in subclass 60, note (3), cancel "106, Plastic Compositions, subclass 6" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 35;

and in subclass 85, note (4), cancel "106, Plastic Compositions, subclass 36.1 and indented subclasses" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 47 and indented subclasses.

In *class 174, Electricity, Conductors and Insulators* (Division 65), main class definition, note (1), cancel the reference to classes 106 and 134 and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, 252, COMPOSITIONS, subclass 63 and indented subclasses,

and cancel "class 106 having dielectrics in subclass 12 and indented subclasses."

In *class 181, Acoustics* (Division 5), subclass 33, note (6), change "Plastic Compositions" to *Compositions, Coating or Plastic*; and add the following note:

(8.5) Note.—See class 252, COMPOSITIONS, subclass 62, for other sound deadening compositions which are not coating or plastic compositions.

In *class 188, Brakes* (Division 47), subclass 251, add the following note:

Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, subclass 36, for friction surface compositions.

In *class 192, Clutches and Power-Stop Control* (Division 47), subclass 107, add the following note:

Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, subclass 36, for tractive or friction surface compositions.

In *class 196, Mineral Oils* (Division 31), main class definition note (4), cancel the reference to classes 106 and 134 and substitute

106—COMPOSITIONS, COATING OR PLASTIC;

in subclass 7, note (2) cancel the reference to class 252; in subclass 22, note (2), cancel the reference to classes 106 and 134, and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclass 273 and indented subclasses;

in subclass 74, note (3), cancel from "106, Plastic Compositions" to the end of the sentence and substitute:

and 106, COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclass 273 and indented subclasses, for bitumen containing coating or plastic compositions;

in subclass 149 cancel the reference to classes 106 and 134 and substitute:

106—COMPOSITIONS, COATING OR PLASTIC;

and in subclass 152, in the note cancel from "106, Plastic Compositions" to the end of the note and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclass 273 and indented subclasses.

In *class 197, Typewriting Machines* (Division 41), subclass 144, note (3), cancel the reference to class 106; and in subclass 172 change the first sentence of the note to read:

Ink compositions are classified in class 106, COMPOSITIONS, COATING OR PLASTIC, subclass 20 and indented subclasses.

In *class 204, Chemistry, Electrical and Wave Energy* (Division 56), subclass 30, add the following note:

(3) Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, subclass 1, for metal depositing compositions.

In *class 209, Classifying, Separating and Assorting Solids* (Division 25), subclass 48, note (2), cancel the reference to class 134.

In *class 210, Liquid Separation or Purification* (Division 49), subclass 203, add the following notes:

(1) Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, for plastic compositions in general.

(2) Note.—See class 91, COATING, particularly subclass 68, for coated or impregnated fabrics in general.

In *class 217, Wooden Receptacles* (Division 40), subclass 3, in the note cancel from "134, Liquid Coating Compositions" to the end of the sentence and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses.

In *class 238, Railways, Surface Track* (Division 34), subclass 84, change the note to read:

Note.—For special compositions of plastics for tie manufacture, see class 106, COMPOSITIONS, COATING OR PLASTIC.

In *class 240, Illumination* (Division 30), main class definition, in the note cancel "106, Plastic Compositions, subclass 36.1 and indented subclasses" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 47 and indented subclasses.

In *class 252, Compositions* (Divisions 59 and 64), main class definition, note (6), cancel the reference to class 106 and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, for coating or plastic compositions and materials or ingredients used in the making of coating or plastic compositions which are not elsewhere classified. For the line between this class (252) and class 106, see the note thereto in the main class definition of class 106, under the caption "Coating or Plastic Compositions Elsewhere Classified";

cancel the reference to class 134; and change the reference to class 288 to read:

288—JOINT PACKINGS, for packings having structural characteristics;

in subclass 62 change the reference to class 106 to read:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 40, 41, 75, 86 and indented subclasses, and 122;

in subclass 63, note (3), change the reference to class 106 to read:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses;

in subclass 72 cancel the note and substitute:

Search Class—
106—COMPOSITIONS, COATING OR PLASTIC, subclass 33, for leak stopping compositions per se;

in subclass 88 in the definition after "take up" insert *, lay*; in subclass 195 in the reference class 23, Chemistry, change "188 and 189" to *288 and 289*; and in subclass 378 under "Search classes" cancel the reference to class 134 and add:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 40, 41, 75, 86 and indented subclasses, and 122, for coating or plastic compositions containing expanded materials, and subclass 291, for micaceous pigments or fillers.

In *class 259, Agitating* (Division 32), subclass 145, in note (1) cancel "189" and in subclass 146, change note (2) to read:

(2) Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 85 and 273 and their indented subclasses, for processes of making mortar, asphaltic or hydraulic cement concrete and the like which are not distinct from the compositions thereof.

In *class 260, Chemistry, Carbon Compounds* (Divisions 6, 50 and 63), main class definition, cancel note (15) and substitute:

(15) Note.—Class 106, COMPOSITIONS, COATING OR PLASTIC, contains coating or plastic compositions of matter not elsewhere provided for, containing carbon compounds, but new carbon compounds or mixtures thereof, as defined above, are placed in this class (260), even though they may have utility as coating or plastic materials. The only exceptions to this are that compositions containing synthetic resins are in class 260, subclass 2 and indented subclasses, and compositions containing rubber are in class 260, subclass 709 and indented subclasses, particularly subclass 726 and indented subclasses.

Class 106 also includes materials or ingredients not in themselves coating or plastic compositions but which are limited to use in their preparation. Lakes, being for the most part adsorption products of carbon dyes with insoluble metal hydroxides, carbonates, or sulfates, are not regarded as being carbon compounds when a preformed substratum is employed, and are placed in class 106, subclass 289; however, when the substratum is simultaneously synthesized with the dye compound, it is placed in this class (260). For example, a lake formed by coupling a diazo and a coupling component in the presence of barium sulfate is classified in class 106, whereas a lake formed by synthesizing the same dye in the presence of barium chloride and a soluble sulfate would be classified in this class (260). Metal salts of a definite compound are classified in this class (260);

and cancel note (17); in subclass 2 cancel note (4); in subclass 112, cancel notes (4) and (5) and substitute:

(4) Note.—See class 106, COMPOSITIONS, COATING OR PLASTIC, for protein containing coating or plastic compositions, particularly subclasses 4, 24, 79, 91, 112, 113, and 124 and indented subclasses;

in subclass 117, note (1), cancel "134, subclasses 23.8 and 23.9" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, particularly subclass 125 and indented subclasses;

in subclass 119, note (2), cancel "classes 106 and 134, appropriate subclasses" and substitute:

Class 106, COMPOSITIONS, COATING OR PLASTIC, particularly subclass 138 and indented subclasses;

in subclass 121, change the second sentence of the note to read:

See class 106, COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclass 124 and indented subclasses, for albumen containing compositions:

in subclass 123, change note (2) to read:

(2) Note.—For plastic and coating compositions containing zein, see class 106, COMPOSITIONS, COATING OR PLASTIC, particularly subclass 149 and indented subclasses:

in subclass 144, note (3), in the first sentence, cancel "134, subclass 58.5" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 289;

in subclass 236.5, note (2), change "268" to *309 and indented subclasses*; in subclass 406 cancel note (3); in subclass 414 cancel "134, subclass 57" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, subclass 310;

and in subclass 449, in the first sentence, insert *hydrocarbons* before "alcohols."

In *class 263, Heating* (Division 3), subclass 48, under "Search classes" change the reference to class 106 to read:

106—COMPOSITIONS, COATING OR PLASTIC, subclasses 43, 44 and 55 and indented subclasses, for making or lining crucibles;

and in subclass 53, note (1), change "180" to *188*; in note (2) cancel "106, Plastic Compositions, subclasses 25 and 34" and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, particularly subclasses 100 and 109 and their indented subclasses.

In *class 266, Metallurgical Apparatus* (Division 3), subclass 43, cancel the reference to class 106 and substitute:

106—COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, particularly subclasses 43, 44 and 55 and indented subclasses.

In *class 274, Sound Recording and Reproducing* (Division 5), subclass 41, in the note cancel the reference to class 106 and substitute:

Class 106, COMPOSITIONS, COATING OR PLASTIC, subclass 37, for sound recording compositions, and for the line between this class (274) and class 106, see the note thereto in the main class definition of class 106 under the caption "Article Defined by Composition."

In *class 286, Packed Shaft or Rod Joints* (Division 52), main class definition, change note (3) to read:

(3) Note.—See class 252, COMPOSITIONS, subclass 9 and indented subclasses, for anti-friction packing compositions employed between moving surfaces, and class 106, COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, for other kinds of packing or luting compositions.

In *class 288 Joint Packings* (Division 52), main class definition, cancel note (4) and substitute:

(4) Note.—See class 252, COMPOSITIONS, subclass 9 and indented subclasses, for anti-friction packing compositions employed between moving surfaces, and class 106, COMPOSITIONS, COATING OR PLASTIC, appropriate subclasses, for other kinds of packing or luting compositions. Where the composition is formed into some significant shape or structure, it will go to this class.

In *class 308, Machine Elements, Bearings and Guides* (Division 45), main class definition, note (5), last sentence, cancel the reference to class 106 and add:

252—COMPOSITIONS, subclass 9 and indented subclasses;

in subclass 242 cancel notes (3) and (4) and add:

(7) Note.—See class 252, COMPOSITIONS, subclass 9 and indented subclasses;

and in subclass 243, note (3), cancel "106, Plastic Compositions, subclass 8" and substitute:

252—COMPOSITIONS, particularly subclasses 13 and 14.

In Divisions 38 and 50 abolish class 106, Plastic Compositions, and in Divisions 50 and 64, abolish class 134, Liquid Coating Compositions, with their subclass titles and definitions, and establish in lieu thereof *class 106, Compositions, Coating or Plastic* (in Division 38), with the subclasses contained in the new loose leaves now being printed for insertion in the Manual of Classification, and definitions which will appear in Bulletin No. 80.

(Note.—Copies of the list and definitions may be seen in the Search Room and in the Classification Division pending publication.)

U. S. GOVERNMENT PRINTING OFFICE: 1941

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 3, 1941

[VOL. 527. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 441,340. THE FARR COMPANY, Greeley, Colo. Filed Mar. 7, 1941.

PEAK BRAND



Applicant disclaims the word "Brand" except as shown.

FOR FIELD SEEDS—NAMELY, ALFALFA SEED.

Claims use since March, 1939.

CLASS 2

RECEPTACLES

Ser. No. 436,452. THERMO-VAC CORPORATION, Boston, Mass. Filed Sept. 27, 1940.

Thermofold

HOT or COLD

The words "Hot or Cold" are disclaimed apart from the mark.

FOR INSULATED CONTAINERS FOR FOOD PRODUCTS SUCH AS ROUTE CONTAINERS AND PORCH CABINETS FOR DAIRY PRODUCTS AND PORTABLE FOOD STORAGE CHESTS FOR SAILING AND CAMPING.

Claims use since May 3, 1940.

Ser. No. 440,953. G. H. PACKWOOD MANUFACTURING CO., St. Louis, Mo. Filed Feb. 24, 1941.

PAX

FOR DISPENSERS, PARTICULARLY FOR FINELY DIVIDED MATERIALS, SUCH AS POWDERED OR GRANULATED SOAP, SUGAR, AND LIKE MATERIALS.

Claims use since 1932.

Ser. No. 442,838. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Apr. 22, 1941.

MINIFILE

FOR FILING BOXES.

Claims use since June 6, 1940.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 440,688. HARTMANN TRUNK COMPANY, Racine, Wis. Filed Feb. 15, 1941.

MADEMOISELLE

FOR SUITCASES, HAND LUGGAGE CASES EQUIPPED WITH GARMENT CARRYING FIXTURES, HAT BOXES, AND OVERNIGHT CASES.

Claims use since Dec. 17, 1940.

Ser. No. 442,655. ENGER-KRESS COMPANY, West Bend, Wis. Filed Apr. 17, 1941.

JILLFOLD

FOR LADIES' BILL FOLDS MADE OF LEATHER AND LEATHER-LIKE MATERIALS.

Claims use since Apr. 2, 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 439,615. B. B. CHEMICAL CO., Boston, Mass. Filed Jan. 13, 1941.

LUSTA-WAX

No claim is made to the word "Wax" apart from the mark.

FOR WAX USED IN THE FINISHING OF BOTTOMS, HEELS, AND EDGES OF BOOTS OR SHOES.

Claims use since Oct. 21, 1940.

Ser. No. 441,556. CHAS. W. YOUNG & Co., Philadelphia, Pa. Filed Mar. 14, 1941.

DREV

FOR SOAP.
Claims use since Feb. 25, 1941.

Ser. No. 441,817. FULD BROS., Baltimore, Md. Filed Mar. 22, 1941.

Dis Pur'Soil

FOR DETERGENT MATERIALS FOR PLUMBING AND PLUMBING FIXTURES.
Claims use since 1934.

Ser. No. 441,996. BAY WEST PAPER COMPANY, Green Bay, Wis. Filed Mar. 27, 1941.

FILM-FITER



FOR CLEANER AND FILM REMOVER IN CONCENTRATED FORM FOR CLEANING GLASS SUCH AS WINDSHIELDS AND THE LIKE.
Claims use since Jan. 2, 1941.

Ser. No. 442,446. JULIUS D. EDINGER, New York, N. Y. Filed Apr. 10, 1941.

SEEWELL

FOR COMPOSITION FOR CLEANING EYEGLASSES.
Claims use since Apr. 2, 1941.

Ser. No. 442,495. PETER J. NEPPER, Rapid City, S. Dak. Filed Apr. 11, 1941.



The mark includes the portrait of George Washington, Thomas Jefferson, and Abraham Lincoln.
FOR TOILET SOAP.
Claims use since Jan. 22, 1940.

Ser. No. 442,505. THE WARNER CHEMICAL COMPANY, New York, N. Y. Filed Apr. 11, 1941.

120

FOR DRY CLEANING SOLVENTS.
Claims use since Apr. 25, 1940.

Ser. No. 442,506. THE WARNER CHEMICAL COMPANY, New York, N. Y. Filed Apr. 11, 1941.

77

FOR DRY CLEANING SOLVENTS.
Claims use since Apr. 25, 1940.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 440,217. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 1, 1941.

Atomol

FOR LIQUID PETROLATUM.
Claims use since Nov. 20, 1930.

Ser. No. 441,623. NION CORPORATION, Los Angeles, Calif. Filed Mar. 17, 1941.

NIOLON

FOR LIVER EXTRACT USED IN THE TREATMENT OF ARTHRITIS.
Claims use since Mar. 7, 1941.

Ser. No. 441,747. THE RUBY CHEMICAL COMPANY, Columbus, Ohio. Filed Mar. 20, 1941.



The drawing is lined for blue. No claim is made to the words "Stainless," "Steel," "Soldering Flux," "Mfg. by," "Columbus, Ohio, U. S. A.," aside from the mark.
FOR SOLDERING AND TINNING FLUX.
Claims use since June 9, 1937.

Ser. No. 441,757. GIACOMO BERNARDI, doing business as Benaris-Syropac, Cleveland, Ohio. Filed Mar. 20, 1941. The drawing is lined for purple.

SYROPAC

FOR PREPARATIONS USED IN THE TREATMENT OF COUGHS DUE TO COMMON COLDS, DRY THROAT, CATARRH, BRONCHITIS, ASTHMA, AND OTHER RESPIRATORY AFFECTIONS SUCH AS HAY FEVER.
Claims use since Jan. 1, 1941.

Ser. No. 442,139. THE PENSLAR COMPANY, Detroit, Mich. Filed Mar. 31, 1941.

DUO CAPS

FOR VITAMIN PRODUCT.
Claims use since Mar. 21, 1941.

Ser. No. 442,185. BELLIN'S WONDERSTOEN CO., INC., New York, N. Y. Filed Apr. 2, 1941.

WAID
By Bellin

The words "By Bellin" are disclaimed apart from the mark.
FOR FOOT BUBBLE BATH PREPARATION.
Claims use since Mar. 15, 1941.

Ser. No. 442,254. ENDO PRODUCTS INC., New York, N. Y. Filed Apr. 4, 1941.

ENDO-MAGSAL

FOR PREPARATION CONSISTING OF A SUSPENSION OF MAGNESIUM TRISILICATE AND ALUMINUM HYDROXIDE FOR TREATING PEPTIC ULCERS AND RELATED DISEASES.
Claims use since July 1, 1932.

Ser. No. 442,255. ENDO PRODUCTS INC., New York, N. Y. Filed Apr. 4, 1941.

TRIKEDAN

FOR PREPARATION CONSISTING OF WATER SOLUBLE DEHYDROCHOLIC ACID COMPOUND FOR USE IN TREATING BILIARY DISTURBANCES.
Claims use since July 1, 1940.

Ser. No. 442,256. ENDO PRODUCTS INC., New York, N. Y. Filed Apr. 4, 1941.

TRIKETOL

FOR PREPARATION CONSISTING OF A COMBINATION OF OXIDIZED UNCONJUGATED BILE ACIDS FOR THE TREATMENT OF DISEASES OF THE BILE.
Claims use since July 1, 1940.

Ser. No. 442,443. THEODORE H. BRAUKMAN, doing business as Plastic Products Co., Denver, Colo. Filed Apr. 10, 1941.

ODREX

FOR ACTIVATED CARBON PACKAGED FOR ODOR ABSORBTION.
Claims use since Jan. 21, 1941.

Ser. No. 442,797. EDWARD J. O'REILLY, doing business as Edzone Chemical Co., Robbinsdale, Minn. Filed Apr. 21, 1941.

ALI-NAPH-ZONE

FOR SAPONACEOUS ADMIXTURE OF HYDROCARBONS FOR THE TREATMENT OF SKIN AILMENTS.
Claims use since Mar. 24, 1941.

Ser. No. 442,800. PRICE FLAVORING EXTRACT CO., Chicago, Ill. Filed Apr. 21, 1941.

WHISPER

FOR LAXATIVE PREPARATION.
Claims use since Apr. 1, 1941.

Ser. No. 442,802. HELENA RUBINSTEIN, INC., New York, N. Y. Filed Apr. 21, 1941.

GREEN JADE

FOR PERFUMES.
Claims use since Apr. 11, 1941.

Ser. No. 442,803. HELENA RUBINSTEIN, INC., New York, N. Y. Filed Apr. 21, 1941.

"O, PROMISE ME"

FOR PERFUMES.
Claims use since Apr. 11, 1941.

Ser. No. 442,845. ALOIS GRUENFELD, Philadelphia, Pa. Filed Apr. 22, 1941.

EXILIN

FOR CHEMICAL FOR PRESERVATION OF EGGS.
Claims use since Apr. 18, 1941.

Ser. No. 442,866. FREERS CHEMICAL WORKS, LTD., London, England. Filed Apr. 23, 1941.

DERITINE

FOR COMPOSITIONS FOR PREVENTING INCRUSTATION AND FOR REMOVING SCALE IN BOILERS RADIATORS, AND THE LIKE WATER CONTAINERS.
Claims use since June 6, 1940.

Ser. No. 442,889. L. BAMBERGER & Co., Newark, N. J. Filed Apr. 24, 1941.

SUNBREAKER

FOR SUN LOTION.
Claims use since Apr. 1, 1941.

Ser. No. 442,933. ANTHONY DI FRANCES, Milwaukee, Wis. Filed Apr. 25, 1941.

DOWN BEAT

FOR HAIR TONIC.
Claims use since Apr. 10, 1941.

Ser. No. 442,984. JACOB BENDIX, New York, N. Y. Filed Apr. 26, 1941.

BRIDAL ILLUSION FINISH

The word "Finish" is not claimed apart from the mark.
FOR COMPOUND USED IN THE FINISHING OF TEXTILE FABRICS OF ALL TYPES AND ALL CLASSES OF FIBRES, AND ALSO FOR USE AS A TYPE OF FINISH FOR AND PROCESSING OF SAID TEXTILE FABRICS BEFORE DYEING AND/OR FINISHING.
Claims use since October, 1939.

Ser. No. 443,013. PETROLITE CORPORATION, LTD., St. Louis, Mo. Filed Apr. 26, 1941.

PARID

FOR CHEMICAL AGENT FOR INHIBITING, PREVENTING, AND REMOVING DEPOSITS OF ASPHALT, WAX, PARAFFIN, ORGANIC MATERIALS, AND THE LIKE IN OIL WELLS, OIL COLLECTING LINES, TANKS, AND SIMILAR PETROLEUM HANDLING EQUIPMENT.
Claims use since Apr. 10, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 441,838. R. D. WERNER CO., INC., New York, N. Y. Filed Mar. 22, 1941.

WERNCO PLASTIKTRIM PLASTIKMOULD

No claim is made to the words "Plastiktrim" and "Plastikmould" except in conjunction with the mark.
FOR MOULDED AND EXTRUDED PLASTICS IN THE FORMS OF ANGLES, CHANNELS, CAP SECTIONS, EDGINGS AND NOSINGS, INSIDE AND OUTSIDE, CORNERS, SADDLES, COVES, FLAT STOCK, PANEL DIVIDERS, DECORATIVE SHAPES, SNAP-ONS, TUBES AND RODS, IN BOTH FLEXIBLE AND RIGID FORM, FOR USE AS DECORATIVE FINISHES AND TRIMS AND IN COMMERCIAL, INDUSTRIAL, AND ARCHITECTURAL DESIGNS.
Claims use since Jan. 10, 1941.

Ser. No. 442,181. AMERICAN ABRASIVE METALS COMPANY, New York, N. Y. Filed Apr. 2, 1941.

FERROX

FOR PLASTIC WEAR RESISTING SURFACING COMPOUND FOR FLOORS AND SIMILAR SURFACES, WHICH, ACCORDING TO ITS CONSISTENCY, IS APPLIED TO THE SURFACE TO BE COVERED EITHER BY TROWELLING OR BRUSHING IT THEREON IN ONE OR MORE LAYERS, THE APPLIED COVERING DRYING HARD BY EVAPORATION AND ADHERING FIRMLY TO THE SURFACE COVERED THEREBY.
Claims use since Mar. 7, 1941.

Ser. No. 442,333. PLASTEX TRIM CORPORATION, Columbus, Ohio. Filed Apr. 5, 1941.

PLASTEX TRIM

No claim is made to the word "Trim" apart from the mark.
FOR TRIM, EDGE, AND COVE STRIPS OF THERMOPLASTIC COMPOSITION.
Claims use since Mar. 1, 1941.

Ser. No. 442,344. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Apr. 5, 1941.

PARATEX

FOR ASPHALT ROOFING.
Claims use since April, 1939.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 441,607. FLEMING & SONS, INC., Dallas, Tex. Filed Mar. 17, 1941.

WALLRITE

FOR TACKS.
Claims use since Jan. 18, 1941.

Ser. No. 441,663. S. BLICKMAN, INC., Weehawken, N. J. Filed Mar. 18, 1941.

SEALWELD

FOR URNS FOR HEATING AND STORING COFFEE, CHOCOLATE, HOT WATER, AND OTHER HOT LIQUIDS, HEATED BY GAS, STEAM, ELECTRICITY, COAL, OR OTHER FUEL.
Claims use since Feb. 20, 1941.

Ser. No. 442,105. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Mar. 31, 1941.

WHITE KNIGHT

The word "White" is disclaimed apart from the mark.
FOR TOILET SEATS.
Claims use since Feb. 26, 1941.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 441,223. AUSTENAL LABORATORIES, INC., New York, N. Y. Filed Mar. 5, 1941.

AUSTALON

FOR WIRE, WIRE MESH, SHEET METAL RODS, BARS, AND FORGINGS, SOLD AS SUCH, AND MADE FROM NON-TARNISHING FERROUS ALLOY.
Claims use since Oct. 22, 1940.

CLASS 15

OILS AND GREASES

Ser. No. 440,772. JAMES J. BRIGHT & SON, Detroit, Mich. Filed Feb. 19, 1941.

SPITFIRE

FOR GASOLINE.
Claims use since July 1, 1940.

Ser. No. 442,001. CAPITOL TIRE & RUBBER CO., INC., Boston, Mass. Filed Mar. 27, 1941.

FLAGSHIP

FOR PETROLEUM PRODUCTS—NAMELY, GASOLINE AND LUBRICATING OILS.
Claims use since Oct. 15, 1940.

Ser. No. 442,224. CHESTER S. ALLEN, Warren, Pa. Filed Apr. 3, 1941.

ALL STAR

FOR LUBRICATING OILS AND GREASES.
Claims use since Jan. 1, 1935.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 437,178. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio. Filed Oct. 22, 1940.

STAIN-STOP

FOR DRY AND READY MIXED PAINTS, PAINT ENAMELS, STAINS, LACQUERS, AND VARNISHES.
Claims use since Oct. 2, 1940.

Ser. No. 441,258. WALTER O. SELLS, doing business as Walter De-Mar Company, Des Moines, Iowa. Filed Mar. 5, 1941.

De-Mar

FOR POLISH FOR AUTOMOBILES, FURNITURE, PIANOS, RADIOS, ETC., AND FOR ALL PAINTED, LACQUERED, AND ENAMELED SURFACES.
Claims use since Jan. 1, 1939.

Ser. No. 441,406. MIRACLE PUTTY LABORATORY, Chicago, Ill. Filed Mar. 10, 1941.

Miracle

FOR FILLING PUTTY—NAMELY, A PUTTY FOR FILLING CRACKS, DENTS, AND THE LIKE.
Claims use since Mar. 1, 1941.

Ser. No. 442,019. WILSON-IMPERIAL COMPANY, Newark, N. J. Filed Mar. 27, 1941.

IMPERIAL

FOR PAINT, VARNISH, ENAMEL, OR LACQUER REMOVER.
Claims use since Feb. 3, 1941.

Ser. No. 442,338. ROXALIN FLEXIBLE LACQUER COMPANY, INC., Elizabeth, N. J. Filed Apr. 5, 1941.

RINCONTROLLER

FOR BAKING ENAMEL—NAMELY, A PAINT ENAMEL.
Claims use since Jan. 14, 1937.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 440,911. CALIXTO LOPEZ & Co., Jersey City, N. J. Filed Feb. 24, 1941.



Applicant disclaims the word "Habana" apart from the mark.
FOR CIGARS, CIGARETTES, AND SMOKING TOBACCO.
Claims use since 1878.

Ser. No. 440,913. CALIXTO LOPEZ & Co., Jersey City, N. J. Filed Feb. 24, 1941.



Applicant disclaims the word "Habana" apart from the mark. The portrait is fanciful.
FOR CIGARS.
Claims use since 1884.

Ser. No. 440,914. CALIXTO LOPEZ & Co., Jersey City, N. J. Filed Feb. 24, 1941.



Applicant disclaims the words "Arroz Extra," "Habana," "Hecho En Cuba," and "Agramonte 702-Habana" apart from the mark.
FOR CIGARETTES.
Claims use since 1920.

Ser. No. 440,915. CALIXTO LOPEZ & Co., Jersey City, N. J. Filed Feb. 24, 1941.



The portrait is not that of any living person. Applicant disclaims the words "Made in Tampa" and "Tampa, Fla." apart from the mark.
FOR CIGARS.
Claims use since 1895.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 427,013. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Dec. 30, 1939.



FOR TERMINAL AND SWITCH BOX FOR ELECTRIC FLOOD LIGHTS, ELECTRIC FLASH LIGHTING APPARATUS, AND FLASH SYNCHRONIZERS INCLUDING FLASH LIGHT BATTERY CONTAINERS, SOCKETS AND REFLECTORS FOR FLASH BULBS, AND/OR SYNCHRONIZING SWITCHES AND CONNECTORS THEREFOR.
Claims use since Oct. 27, 1939.

Ser. No. 433,371. AMERICAN RADIO HARDWARE CO. INC., New York, N. Y. Filed June 26, 1940.

ARHCO

FOR RADIO AND TELEVISION HARDWARE SUCH AS MACHINE SCREWS AND NUTS, RUBBER GROMMETS, SELF-TAPPING SCREWS, FIBRE WASHERS, METAL WASHERS, EYELETS, ANGLES AND BRACKETS USED FOR SETS, ELECTRIC CONTACT CLIPS IN UNITS AND ASSEMBLED, PHONE PLUGS AND JACKS, BINDING POSTS, SHAFT COUPLINGS, REDUCERS, EXTENDERS, BUSHINGS MADE OF CONDUCTING AND INSULATING MATERIAL, TUBE SOCKETS, METAL TUBE EXTRACTORS, COLUMN AND CONE TYPE INSULATORS.
Claims use since January, 1935.

Ser. No. 433,889. CURTIS LIGHTING, INC., Chicago, Ill. Filed July 12, 1940.

SkyLux

FOR ELECTRIC LIGHTING FIXTURES.
Claims use since July 1, 1940.

Ser. No. 438,489. SAM MOORE & COMPANY, Cleveland, Ohio. Filed Dec. 3, 1940.

TRANSRAY

FOR ELECTRIC LIGHTING UNITS FOR PUBLIC CONVEYANCES.
Claims use since Aug. 14, 1940.

Ser. No. 439,098. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Dec. 23, 1940.

KODATRON

FOR ELECTRIC HIGH SPEED FLASH LIGHTING EQUIPMENT, GAS-FILLED ELECTRIC DISCHARGE TUBES, AND ELECTRICAL CONTROL DEVICES FOR SYNCHRONIZING THE LIGHTING OF AN ELECTRIC FLASH LAMP AND OPERATION OF A CAMERA SHUTTER.
Claims use since Sept. 10, 1940, on electric high speed flash lighting equipment and gas-filled electric discharge tubes and since Aug. 3, 1940, on electrical control devices for synchronizing the lighting of an electric flash lamp and operation of a camera shutter.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 440,032. AMERICAN JUNIOR AIRCRAFT COMPANY, Portland, Oreg. Filed Jan. 28, 1941.

FIREBALL

FOR TOY AIRPLANES AND CONTROLS THEREFOR.
Claims use since Oct. 1, 1940.

Ser. No. 442,583. WRIGHT & MCGILL, Denver, Colo. Filed Apr. 14, 1941.

Plyex

FOR FISHING LINES AND FISH LURES, LEADERS, AND FLIES.
Claims use since Mar. 5, 1941.

Ser. No. 442,924. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio. Filed Apr. 24, 1941.



FOR PLAYING CARDS.
Claims use since Apr. 3, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 414,413. G. B. SPIEGEL CORP., Chicago, Ill. Filed Dec. 31, 1938.

FOUNTAINAIRE

FOR DECORATIVE, LAWN AND ROCK GARDEN, PUMP AND FOUNTAIN ASSEMBLIES, SOLD AS A UNIT, AND COMPRISING PUMP, TUBING, AND CONNECTIONS, AND TANKS.
Claims use since Sept. 10, 1937.

Ser. No. 422,481. DANGERFIELD AND LLOYD, Neath, Wales. Filed Aug. 10, 1939.

DANOYD

FOR MACHINERY FOR PRODUCING CORRUGATED SHEETS.
Claims use since 1937.

Ser. No. 432,572. AMERICAN MACHINE AND FOUNDRY COMPANY, New York, and Brooklyn, N. Y. Filed June 1, 1940.

GLEN

FOR VERTICAL AND OTHER MIXERS FOR DOUGH-LIKE AND OTHER MATERIALS, WITH ACCESSORIES THEREFOR SUCH AS BOWL UNLOADER MECHANISM, PAN GREASING MACHINES AND BRUSHES THEREFOR; FLOUR HANDLING MACHINERY INCLUDING ELEVATORS, FLOUR BINS FOR A VARIETY OF PURPOSES (SUCH AS DUMPING, BLENDING, AND STORAGE), CUT-OFF GATES AND DEVICES, AUTOMATIC FLOUR WEIGHING HOPPERS AND OTHER SIMILAR MACHINERY; SIFTING MACHINERY; FLOUR CONVEYING MACHINERY INCLUDING SCREW CONVEYORS, MOVING HOPPERS AND ELEVATORS; AND BREAD CONVEYORS INCLUDING SUCH DEVICES AS MAKE USE OF WEB BELTING AS WELL AS THOSE WHICH EMPLOY A SLAT-TYPE OF CONVEYING MEANS, AND PARTS OF ALL THE FOREGOING MACHINERY AND MECHANISM.
Claims use since Mar. 10, 1928.

Ser. No. 439,189. BABSON BROS. CO., Chicago, Ill. Filed Dec. 26, 1940.

SURGE

FOR VACUUM PUMPS AND AIR COMPRESSING PUMPS AND EQUIPMENT, AND STATIONARY EQUIPMENT FOR AUTOMATICALLY SPRAYING COWS WITH LIQUID INSECTICIDE.
Claims use since May 29, 1940.

Ser. No. 439,464. RAYMOND A. HENNINGS, New Orleans, La. Filed Jan. 7, 1941.

RAYMAE

FOR COILLESS BEVERAGE AND LIQUID DISPENSER COMPRISING A TANK, TUBING, TAPS, ETC.
Claims use since Dec. 31, 1936.

Ser. No. 442,060. THE CINCINNATI BALL CRANK CO., Cincinnati, Ohio. Filed Mar. 29, 1941.

VELVETIZER

FOR LUBRICATION EQUIPMENT INCLUDING PARTICULARLY LUBRICATOR WALL BATTERIES, PORTABLE AND STATIONARY BARREL PUMPS, OIL DRAINS, GREASE AND LUBRICANT HOSE ROLLS.
Claims use since Mar. 17, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 405,873. EUGENE DIETZGEN CO., Chicago, Ill. Filed Apr. 30, 1938.

DRIPRINT

FOR MATERIALS AND SUPPLIES FOR THE PRODUCTION AND REPRODUCTION OF PRINTS, DRAWINGS, AND THE LIKE—NAMELY, LIGHT SENSITIVE SHEETS ADAPTED FOR MAKING PRINTS, BLUEPRINTS, PHOTOPRINTS, POSITIVE PRINTS, AND THE LIKE.
Claims use since May 1, 1937.

Ser. No. 440,250. LILLIAN R. KLEPPER, doing business as Jardur Import Company, New York, N. Y. Filed Feb. 3, 1941.

BEZELMETER

FOR CHRONOGRAPHS.
Claims use since May 9, 1940.

Ser. No. 441,993. BAY STATE OPTICAL COMPANY, Attleboro, Mass. Filed Mar. 27, 1941.

BAYEND

FOR OPHTHALMIC MOUNTINGS.
Claims use since Oct. 5, 1940.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 438,973. BENRUS WATCH CO., INC., New York, N. Y. Filed Dec. 18, 1940.

MAN O' SERVICE

No claim is made to the word "Service" apart from the mark.
FOR WATCHES AND WATCHES AND ATTACHED BRACELETS SOLD AS A UNIT.
Claims use since Feb. 20, 1940.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 439,719. WALTER LAMPL, doing business as Lampl, New York, N. Y. Filed Jan. 16, 1941.

"Golden Threads"

No claim is made to the word "Golden" apart from the mark.
FOR NAME PINS, BAR PINS, BROOCHES, CLIPS, EARRINGS, FINGER RINGS, NECKLACES, BRACELETS, CHAINS, CHARMS, VANITY CASES, KEY RINGS, BILL CLIPS, ORNAMENTAL HAT PINS, AND PINS FOR DRESS ORNAMENTS, ALL MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME.
Claims use since May 13, 1940.

Ser. No. 441,243. GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed Mar. 5, 1941.

Sovereign

FOR STERLING SILVERWARE, FLATWARE, AND HOLLOWWARE MADE OF STERLING SILVER.
Claims use since Feb. 1, 1941.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 441,171. MOHAWK BRUSH COMPANY, Albany, N. Y. Filed Mar. 3, 1941.



FOR HAIR BRUSHES, MILITARY BRUSHES, CLOTHES BRUSHES, BATH BRUSHES, NAIL BRUSHES, HAND SCRUB BRUSHES, COMPLEXION BRUSHES, AND SHAMPOO BRUSHES.
Claims use since 1938.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 442,982. STAYNEW FILTER CORPORATION, Rochester, N. Y. Filed Apr. 25, 1941.

VINTEX

FOR FILTERS.
Claims use since Apr. 12, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 434,413. THE MCBEE COMPANY, Athens, Ohio. Filed July 27, 1940.

NEEDLESORT

FOR CARD INDEX FILING CABINETS.
Claims use since May 15, 1940.

Ser. No. 442,298. T. BAUMRITTER CO. INC., New York, N. Y. Filed April 5, 1941.

ADJUST-O-MATIC

The word "Adjust" is disclaimed apart from the mark.
FOR MULTI-PURPOSE UTILITY TABLES IN WHICH THE TOP IS ADJUSTABLE IN HEIGHT AND TILTABLE.
Claims use since Feb. 10, 1941.

Ser. No. 442,676. VISIBLE INDEX CORP., New York, N. Y. Filed Apr. 17, 1941.

VISIrecord

FOR POSTING TRAYS, DESKS, FILE CABINETS. PORTABLE TRAYS, ADJUSTABLE STANDS FOR TRAYS AND CABINETS AND DIVIDERS ADAPTED TO CONTAIN ONLY CARDS ARRANGED IN ECHELON.
Claims use since September, 1938.

CLASS 33

GLASSWARE

Ser. No. 441,009. AMERICAN WINDOW GLASS COMPANY, Pittsburgh, Pa. Filed Feb. 26, 1941.

LUSTRA COVER GLASS

Applicant disclaims the words "Cover Glass" apart from the mark.
FOR THIN GLASS SHEETS.
Claims use since Nov. 5, 1940.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 439,571. UNITED STATES STOVE COMPANY, South Pittsburg, Tenn. Filed Jan. 10, 1941.

Lawson

FOR GAS-OPERATED WATER HEATERS AND GAS-OPERATED HEATING STOVES.
Claims use since Feb. 6. 1917.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No 442,851 THE PEP BOYS—MANNY, MOE, & JACK, Philadelphia, Pa. Filed Apr. 22, 1941.

CORNELIAN

FOR PNEUMATIC RUBBER TIRES AND INNER TUBES CONSTRUCTED OF RUBBER AND/OR RUBBERIZED FABRIC.
Claims use since Apr. 1, 1941.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 442,079. TAYLOR-FREEMAN-STANLEY INCORPORATED, New York, N. Y. Filed Mar. 29, 1941.

t·f·s

FOR REEDS FOR MUSICAL INSTRUMENTS AND HARMONICAS.
Claims use since Mar. 6, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 432,538. INTERNATIONAL ASSOCIATION OF ALTRUSA CLUBS, INC., Chicago, Ill. Filed May 31, 1940.

ALTRUSA

FOR LETTER HEADS, ENVELOPES, PAPER SEALS.
Claims use since April, 1917.

Ser. No. 437,401. THE BATES MANUFACTURING COMPANY, West Orange, N. J. Filed Oct. 30, 1940.

MEMOKIT

FOR CONTAINERS PROVIDED WITH A PLURALITY OF COMPARTMENTS FOR SMALL ARTICLES AND WITH COVERS CARRYING MEMORANDUM OR NOTE PADS.
Claims use since Aug. 7, 1940.

Ser. No. 441,642. JOSEPH REDEGELD & CO., INC., New York, N. Y. Filed Mar. 17, 1941.

JOREDCO

FOR DRAWING TABLETS, FILLER PAPER, TABLETS, HARD COVER NOTE BOOKS, AIR MAIL TABLETS, GEM CLIP PAPER FASTENERS, PENCILS, STAPLES, ENVELOPES, WRITING PAPER, LOOSE LEAF COVERS, BILL HEADS AND STATEMENTS, BOND PAPER, TISSUE PAPER, TRACING PAPER, QUADRILLE PADS, AND INDEX CARDS.
Claims use since November, 1933.

Ser. No. 441,646. SOUTHERN CENTRAL COMPANY, Memphis, Tenn Filed Mar. 17, 1941.

THE Approved LINE

No claim is made to the words "The Approved Line" apart from the mark.
FOR LOOSE-LEAF FILLERS, COMPOSITION BOOKS, AND PENCIL TABLETS.
Claims use since Dec. 21, 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 441,783. PUBLIC LEDGER, INC., Philadelphia, Pa. Filed Mar. 21, 1941.

ANCHORS AWEIGH

FOR NEWSPAPER SYNDICATED FEATURE.
Claims use since Mar. 3, 1941.

Ser. No. 441,784. PUBLIC LEDGER, INC., Philadelphia, Pa. Filed Mar. 21, 1941.

IT NEVER FAILS—

FOR NEWSPAPER SYNDICATED FEATURE.
Claims use since Mar. 3, 1941.

Ser. No. 442,246. SYMPROVISED MUSIC, INC., New York, N. Y. Filed Apr. 3, 1941.

TOON-NITE

FOR SHEET MUSIC.
Claims use since June, 1940.

Ser. No. 442,496. NEW YORK EVENING JOURNAL, INC., New York, N. Y. Filed Apr. 11, 1941.

The Voice of

Broadway

FOR NEWSPAPER SECTION.
Claims use since June 1, 1931.

CLASS 39

CLOTHING

Ser. No. 439,887. CHAS. CHIPMAN'S SONS CO., INC., New York, N. Y. Filed Jan. 23, 1941.

MODERN-WAY

No claim is made to the word "Modern" apart from the mark.
FOR HOSIERY FOR MEN, WOMEN, AND CHILDREN.
Claims use since March, 1940.

Ser. No. 439,983. AMERICAN KLEETON CORPORATION, New York, N. Y. Filed Jan. 27, 1941.

BEACHETTE

FOR BEACH HATS FOR WOMEN AND CHILDREN.
Claims use since Oct. 1, 1940.

Ser. No. 440,805. CRYSLER PRODUCTS CORP., New York, N. Y. Filed Feb. 20, 1941.

"Abuelita"

FOR LADIES', MISSES', AND CHILDREN'S HOODS, HATS, COLLARS, A DEVICE WHICH MAY BE WORN EITHER AS A HAT OR A COLLAR, DRESSES, COATS, PLAYSUITS, AND BLOUSES.
Claims use since Jan. 2, 1941.

Ser. No. 440,980. FASHION PARK, INC., Rochester, N. Y. Filed Feb. 25, 1941.

LLAMASEAL

FOR MEN'S TOPCOATS AND OVERCOATS MADE OF A CLOTH COMPOSED OF A SUBSTANTIAL PROPORTION OF ALPACA WITH MOHAIR AND WOOL ADDED.
Claims use since April, 1938.

Ser. No. 441,090. GOODALL RUBBER COMPANY, INC., Philadelphia, Pa. Filed Feb. 28, 1941.

SYNPLASTIC

FOR BOOTS MADE OF SYNTHETIC RUBBER AND FABRIC.
Claims use since 1937.

Ser. No. 441,438. B. LOWENSTEIN & BROS., INC., Memphis, Tenn. Filed Mar. 11, 1941.

Mixing Bowl

FOR LADIES' SPORTSWEAR—NAMELY, SLACK SUITS, PLAY SUITS, BLOUSES, OUTER SKIRTS, JACKETS, DRESSES, KNITTED SUITS AND DRESSES, BATHING SUITS, BATHING SHOES, AND BATHING HATS.
Claims use since Jan. 2, 1941.

Ser. No. 441,521. ROGERS PEET COMPANY, New York, N. Y. Filed Mar. 13, 1941.

SHIRE RPC BRAND

No claim is made to the word "Brand" apart from the mark.
FOR MEN'S AND BOYS' COLLARS.
Claims use since June 2, 1919.

Ser. No. 441,561. ASSOCIATED RETAIL MILLINERY, INC., Dallas, Tex. Filed Mar. 15, 1941.

Marian Marcia
EXCLUSIVES

Applicant disclaims the expression "Exclusives."
FOR HATS FOR WOMEN.
Claims use since Jan. 1, 1940.

Ser. No. 441,677. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., Baltimore, Md., Cleveland, Ohio, Los Angeles, Calif, Denver, Colo., also doing business as Famous-Barr Company, St. Louis, Mo., and as the M. O'Neil Co., Akron Ohio. Filed Mar. 18, 1941.

Dorand

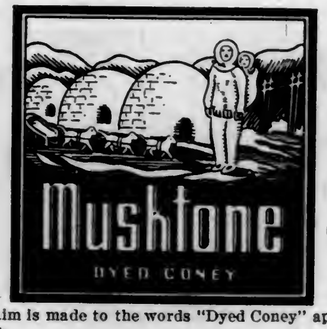
FOR MEN'S HATS.
Claims use since Oct. 1, 1939.

Ser. No. 441,729. P. FEINSTEIN & SONS, INC., New York, N. Y. Filed Mar. 20, 1941.

"ROYAL MUFTI"

Applicant disclaims the word "Mufti" except in connection with the mark as shown.
FOR MEN'S AND YOUNG MEN'S COATS, VESTS, TROUSERS, SHIRTS, TOPCOATS, AND OVERCOATS.
Claims use since November, 1940.

Ser. No. 441,768. C. J. GORDON COMPANY, Chicago, Ill. Filed Mar. 21, 1941.



No claim is made to the words "Dyed Coney" apart from the mark.
FOR COATS, CAPES, BOLEROS, JACKETS, AND SCARFS MADE OF FUR.
Claims use since Jan. 1, 1939.

Ser. No. 441,782. PHELPS-TERKEL, INC., Los Angeles, Calif. Filed Mar. 21, 1941.

Spraycight

FOR OUTER SHIRTS, AND MILITARY, NAVAL, AND YACHTING CAPS, FOR WEAR BY MEN, WOMEN, AND CHILDREN.
Claims use since November, 1936.

Ser. No. 442,012. MCMULLEN-LEAVENS COMPANY, INC., New York, N. Y. Filed Mar. 27, 1941.

BOOKBINDER

FOR BELTS FOR MEN'S AND WOMEN'S WEAR.
Claims use since Mar. 14, 1941.

Ser. No. 442,110. CRADDOCK-TERRY SHOE CORPORATION, Lynchburg, Va. Filed Mar. 31, 1941.

W-WAKS

FOR WOMEN'S LEATHER AND FABRIC SHOES.
Claims use since Feb. 11, 1941.

Ser. No. 443,103. THE ALLEN A COMPANY, Bennington, Vt. Filed Apr. 30, 1941.



FOR MEN'S, WOMEN'S, AND CHILDREN'S KNITTED AND WOVEN UNDERWEAR, INCLUDING TWO PIECE AND UNION SUITS, AND MEN'S, WOMEN'S, AND CHILDREN'S KNITTED HOSIERY, SAID UNDERWEAR AND HOSIERY BEING MADE OF COTTON, SILK, WOOL, ARTIFICIAL SILK AND MIXTURES THEREOF.
Claims use since Mar. 20, 1920.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 429,872. JACOB M. SPAR, New York, N. Y. Filed Mar. 22, 1940.

GOOD & SWEET

The word "Good" is disclaimed apart from the mark.
FOR RAYON GOODS IN THE PIECE.
Claims use since May 15, 1939.

Ser. No. 442,020. WOLF & DESSAUER CO., Fort Wayne, Ind. Filed Mar. 27, 1941.

FOR LIVING IN OUR TOWN

FOR BED SHEETS, PILLOW CASES, KITCHEN AND BATHROOM TOWELS, TABLECLOTHS AND NAPKINS, SCARVES, RUGS, DRAPERIES, DRAPERY FABRICS IN THE PIECE, TAPESTRIES, TAPESTRY FABRICS IN THE PIECE, AND COTTON, SILK, WOOL, LINEN AND RAYON FABRICS IN THE PIECE.
Claims use since Mar. 1, 1940.

Ser. No. 442,689. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Apr. 18, 1941.

AIROCEL

FOR PIECE GOODS, OTHER THAN PILE FABRICS, MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since Feb. 4, 1941.

CLASS 43

THREAD AND YARN

Ser. No. 437,693. OREGON WORSTED COMPANY, INCORPORATED, New York and Astoria, Long Island, N. Y. Filed Nov. 8, 1940.



The word "Knotless" and the representation of a hank of yarn are disclaimed apart from the mark.
FOR WOOLEN YARNS.
Claims use since Sept. 20, 1940.

Ser. No. 442,056. BOTANY WORSTED MILLS, Passaic, N. J. Filed Mar. 29, 1941.

BOTANAIRE

FOR MACHINE WOOLEN AND WORSTED KNITTING YARN.
Claims use since Mar. 14, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 439,605. RODIN LABORATORIES, Philadelphia, Pa. Filed Jan. 11, 1941.

ACRODIN

FOR MATERIALS FOR REPAIRING TEETH—NAMELY, PLASTIC MATERIALS USED IN CONNECTION WITH, AND FOR, CROWNS, INLAYS, AND FACINGS, AND FOR REPAIRING AND MANUFACTURING ARTIFICIAL TEETH FOR BRIDGES AND DENTURES.
Claims use since Oct. 11, 1940.

Ser. No. 439,913. WASHINGTON DENTAL COMPANY, Washington, D. C. Filed Jan. 23, 1941.

THERM-O-CAST

The word "Cast" is disclaimed apart from the mark.
FOR DENTAL RESTORATIONS.
Claims use since Nov. 15, 1938.

Ser. No. 440,967. TRUDENT PRODUCTS, INCORPORATED, Danbury, Conn. Filed Feb. 24, 1941.

TRULITE

FOR ACRYLIC RESIN COMPOUND FOR DENTAL USE.
Claims use since June 26, 1940.

Ser. No. 441,225. AUSTENAL LABORATORIES, INC., New York, N. Y. Filed Mar. 5, 1941.



NON-LOCK

The word "Non-Lock" and the representation of a tooth are disclaimed apart from the mark.
FOR ARTIFICIAL TEETH, DENTURES, AND DENTURE PARTS.
Claims use since May 1, 1940.

Ser. No. 441,916. JOHN IGNATZ LEWIN, doing business as The Dento-Pharma Mfg. Co., New York, N. Y. Filed Mar. 25, 1941.

DENTOPHARMA

FOR DENTAL ALUMINUM COMPOUND.
Claims use since Oct. 1, 1938.

Ser. No. 442,704. GOLDSMITH BROS., New York, N. Y. Filed Apr. 18, 1941.

GOLDEX

FOR CLINICAL FEVER THERMOMETERS.
Claims use since Dec. 6, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 418,711. GEORGIA BANNER HAMS ASSOCIATION, Montezuma, Ga. Filed Apr. 26, 1939.

GEORGIA BANNER HAM

No claim is made to the words "Georgia" and "Ham" apart from the mark.
FOR HAMS.
Claims use since Mar. 14, 1939.

Ser. No. 428,629. STANDARD MILLING COMPANY, New York, N. Y. Filed Feb. 16, 1940.



FOR WHEAT FLOUR.
Claims use since Oct. 4, 1915.

Ser. No. 430,158. TOLIBIA CHEESE CORPORATION, New York, N. Y. Filed Mar. 29, 1940.

RIVULET

Applicant is the owner of Trade-Mark registration No. 237,102, January 3, 1928.
FOR CHEESE.
Claims use since Jan. 25, 1940.

Ser. No. 433,934. M. J. & H. J. MEYER CO., New York, N. Y. Filed July 13, 1940.



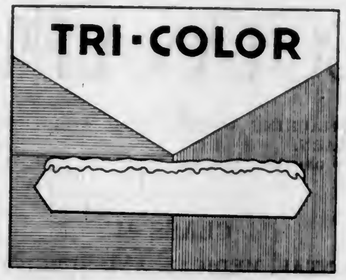
The picture is fanciful. Applicant disclaims all wording excepting "Granadaisa."
FOR CANNED SARDINES.
Claims use since May, 1906.

Ser. No. 435,812. STEVE SANDGREN, Los Angeles, Calif. Filed Sept. 9, 1940.



FOR CANDY.
Claims use since July 12, 1938.

Ser. No. 437,530. ROCHESTER ICE & COLD STORAGE UTILITIES, INC., Rochester, N. Y. Filed Nov. 2, 1940.



Although the trade-mark as shown in the drawing has customarily been printed in blue and red upon a white background, the lines shown in the drawing are not intended to be restrictively indicative of any particular colors. Applicant disclaims the representation of a label per se, separately from the mark as shown.
FOR FROZEN VEGETABLES.
Claims use since Sept. 12, 1940.

Ser. No. 439,436. J. A. FOLGER & COMPANY, Kansas City, Mo. Filed Jan. 6, 1941.



Applicant owns Certificates Nos. 68,138, 152,775, and 232,126. The representation of the label and the words "Mountain Grown" and "Coffee" are disclaimed except as shown. The drawing is lined for red and yellow.
FOR COFFEE.
Claims use since Dec. 2, 1940.

Ser. No. 440,114. CHRISTIANSBURG CANNING CO., INC., Pulaski, Va. Filed Jan. 30, 1941.



Applicant is the owner of registration No. 329,646. The picture is fanciful.
FOR WHEAT FLOUR.
Claims use since Sept. 15, 1932.

Ser. No. 440,372. GODCHAUX SUGARS, INC., New Orleans, La. Filed Feb. 6, 1941.



The drawing is lined for blue.
FOR SUGAR.
Claims use since Apr. 6, 1939.

Ser. No. 440,742. CAROLENE PRODUCTS COMPANY, Litchfield, Ill. Filed Feb. 18, 1941.

MILNOT

Applicant is the owner of registration No. 353,342, Jan. 4, 1938.
FOR COMBINATION OF EVAPORATED SKIMMED MILK AND VEGETABLE OIL FOR USE IN COOKING AND BAKING.
Claims use since Jan. 10, 1941.

Ser. No. 441,035. BERTHA M. PROE, Northfield, Ohio. Filed Feb. 26, 1941.



No claim is made to the word "Chicken" apart from the mark.
FOR DINNER CONSISTING OF SPECIALLY PREPARED CHICKEN, FRENCH FRIED POTATOES, CELERY STICKS, TOMATO WEDGES, OLIVES, AND BUTTERED BREAD STICKS PACKAGED AND SOLD TO THE TRADE AS SUCH.
Claims use since June, 1939.

Ser. No. 441,187. WESTFELDT BROTHERS, New Orleans, La. Filed Mar. 3, 1941.

GLOBO

FOR COFFEE.
Claims use since 1939.

Ser. No. 441,217. SOUTH COAST FISHERIES, INC., Terminal Island, Calif. Filed Mar. 4, 1941.



FOR CANNED CAT FOOD.
Claims use since Jan. 13, 1941.

Ser. No. 441,356. FAN AND BILL'S, INC., Miami Beach, Fla. Filed Mar. 8, 1941.

Fan and Bill's
COFFEE

No claim is made to the word "Coffee" apart from the mark.
FOR COFFEE.
Claims use since Jan. 10, 1936.

Ser. No. 441,625. PACIFIC TRADING COMPANY, INC., San Francisco, Calif. Filed Mar. 17, 1941.

HAKU-BOTAN



The applicant is the owner of registration 355,395, dated Mar. 15, 1938. The words Haku-Botan mean white peony.
FOR RICE.
Claims use since February, 1939.

Ser. No. 442,015. JOSEPH TETLEY & CO., INC., New York, N. Y. Filed Mar. 27, 1941.



Applicant is the owner of registrations 308,242 and 325,485. The words "Brand" and "Tea" are disclaimed apart from the mark.
FOR TEA.
Claims use since 1874.

Ser. No. 442,091. FRED W. AMEND CO., Danville, Ill. Filed Mar. 31, 1941.

SAILOR'S BIGHT

FOR CANDY.
Claims use since Mar. 20, 1941.

Ser. No. 442,092. FRED W. AMEND CO., Danville, Ill. Filed Mar. 31, 1941.

BATTLE WAGON

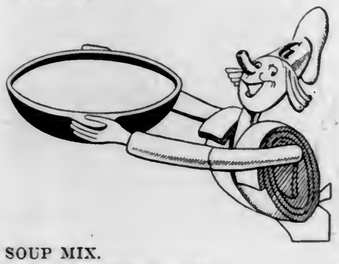
FOR CANDY.
Claims use since Jan. 24, 1941.

Ser. No. 442,125. A. GOODMAN & SONS, INC., New York, N. Y. Filed Mar. 31, 1941.

Noodleman

FOR SOUP MIX.
Claims use since Mar. 5, 1941.

Ser. No. 442,126. A. GOODMAN & SONS, INC., New York, N. Y. Filed Mar. 31, 1941.



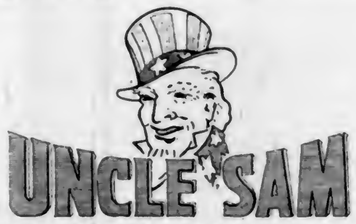
FOR SOUP MIX.
Claims use since Mar. 5, 1941.

Ser. No. 442,160. KENNETH E. BEMIS, Oakland, Calif. Filed Apr. 1, 1941.

CHUMMY

FOR MEAT AND CHEESE SANDWICHES.
Claims use since Feb. 15, 1941.

Ser. No. 442,170. GUM INCORPORATED, Philadelphia, Pa. Filed Apr. 1, 1941.



The drawing is lined for blue and red.
FOR CHEWING GUM.
Claims use since Mar. 3, 1941.

Ser. No. 442,213. W. B. RODDENBERY COMPANY, Cairo, Ga. Filed Apr. 2, 1941.

SOUTHERN PLANTATION

Applicant is the owner of trade-mark registration No. 227,663 dated May 10, 1927.
FOR TABLE SYRUP, PICKLES, PEANUT BUTTER, AND PICKLE RELISH.
Claims use since June, 1922.

CLASS 47

WINES

Ser. No. 388,918. B. CRIBARI & SONS, New York, N. Y., assignor to B. Cribari & Sons, Inc., Madrone, Calif., a corporation of California. Filed Feb. 15, 1937.

HOUSE OF CRIBARI

FOR WINES.
Claims use since May 8, 1936.

Ser. No. 437,269. CELLA WINE COMPANY, Fresno, Calif. Filed Oct. 25, 1940.



Chateau Monterey

No claim is made to the word "Monterey" apart from the mark.
FOR WINES.
Claims use since Sept. 13, 1940.

Ser. No. 441,792. B. M. & J. STRAUSS, LIMITED, London, England. Filed Mar. 21, 1941.



Applicant disclaims the words "Liebfraumilch", "Bottled and Shipped by" and "London E. C. 3."
FOR LIEBFRAUMILCH WINE.
Claims use since 1929.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 434,179. LA CROSSE BREWERIES, INC., La Crosse, Wis. Filed July 20, 1940.



FOR BEER.
Claims use since Sept. 1, 1938.

Ser. No. 441,575. A. GUSMER INC., Hoboken, N. J. Filed Mar. 15, 1941.

DEXTRIPAL

FOR PREPARED MALT.
Claims use since Feb. 3, 1941.

Ser. No. 441,877. PAUL REINEMANN, INC., New York, N. Y. Filed Mar. 24, 1941.

REIN FIRM
R.F. No. 1

FOR FOAMBUILDING AND FOAMSTABILIZING COMPOUND FOR BEERS AND ALES.
Claims use since Apr. 1, 1940.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 436,400. PINI HNOS. & CIA. LTDA., SOCIEDAD ANÓNIMA COMMERCIAL E INDUSTRIAL, Buenos Aires, Argentina. Filed Sept. 26, 1940.



Applicant disclaims the representation of the labels and all spoken notations, except the word "Pineral," applicant's name, and the monogram, apart from the mark.
FOR ALCOHOLIC APERITIVES.
Claims use since 1864.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 3, 1941

387,810. ELECTRICAL INDUCTION, HEAT TREATING EQUIPMENT FOR INDUCTIVELY HEATING THE SURFACE ZONES OF ARTICLES TO HARDENING TEMPERATURE AND THEREAFTER COOLING THESE ZONES. THE OHIO CRANKSHAFT COMPANY, Cleveland, Ohio.
Filed August 13, 1936. Serial No. 382,135. PUBLISHED MARCH 25, 1941. Class 21.

387,811. PIECE GOODS OF WOOL, WORSTED, AND RAYON, AND COMBINATIONS OF THESE FIBRES. C. M. DE LAND, New York, N. Y.
Filed July 30, 1937. Serial No. 395,816. PUBLISHED MARCH 25, 1941. Class 42.

387,812. WHEAT FLOUR. MAJESTIC FLOUR MILL, Memphis, Tenn.
Filed October 13, 1938. Serial No. 411,587. PUBLISHED FEBRUARY 28, 1939. Class 46.

387,813. PRE-SHRUNK WOOLEN, COTTON, LINEN, SILK, AND RAYON FABRICS IN THE PIECE. THE SCHWARZWAELDER CO., Philadelphia, Pa.
Filed December 6, 1938. Serial No. 413,524. PUBLISHED MARCH 25, 1941. Class 42.

387,814. FRUIT JELLIES AND FRUIT PRESERVES, CANNED SLICED BEEF, VINEGAR, HONEY, PEANUT BUTTER, CHILI SAUCE, ETC. MINER, READ & TULLOCK, INC., New Haven, Conn.
Filed March 9, 1939. Serial No. 416,863. PUBLISHED JULY 30, 1940. Class 46.

387,815. PORTABLE ELECTRICALLY HEATED STEAM GENERATORS AND SAD IRONS AND PARTS THEREOF. AMERICAN PLUSH & VELVET PRESSBOARD CO. INC., New York, N. Y.
Filed June 6, 1939. Serial No. 420,208. PUBLISHED JULY 9, 1940. Class 21.

387,816. AUTOMATIC COAL STOKERS. PASQUALE FRICCHIONE, doing business as Simplex Stoker Company, Scranton, Pa.
Filed June 23, 1939. Serial No. 420,855. PUBLISHED MARCH 25, 1941. Class 34.

387,817. CLEANING AND POLISHING MATERIAL AND STEEL WOOL PADS FOR CLEANING AND POLISHING COOKING UTENSILS AND THE LIKE, AND OTHER METAL ARTICLES. ADVANCE ALUMINUM CASTINGS CORP., Chicago, Ill.
Filed September 23, 1939. Serial No. 423,872. PUBLISHED SEPTEMBER 24, 1940. Class 4.

387,818. CANNED FRUITS—NAMELY, CANNED APRICOTS, PEACHES, AND PEARS. FRUITVALE CANNING COMPANY, Oakland, Calif.
Filed October 30, 1939. Serial No. 425,049. PUBLISHED MARCH 18, 1941. Class 46.

387,819. TOILET SOAP. PINAUD, INCORPORATED, New York, N. Y.
Filed January 17, 1940. Serial No. 427,556. PUBLISHED MARCH 25, 1941. Class 4.

387,820. PRINTERS' ROLLERS, COMPOSITION COATED ROLLERS, OFFSET AND LITHOGRAPH ROLLERS, ROTOGRAVURE ROLLERS, AND RUBBER ROLLERS. RAPID ROLLER CO., Chicago, Ill.
Filed February 26, 1940. Serial No. 428,931. PUBLISHED JUNE 11, 1940. Class 23.

387,821. MECHANICAL APPARATUS COMPRISING A MOTOR, A CIRCULATING PUMP, HOSE, VALVES, SWITCHES, ETC. TURCO PRODUCTS, INC., Los Angeles, Calif.
Filed March 9, 1940. Serial No. 429,424. PUBLISHED MARCH 25, 1941. Class 23.

387,822. CANNED FRUITS AND CANNED VEGETABLES. BARRON-GRAY PACKING COMPANY, San Jose, Calif.
Filed March 30, 1940. Serial No. 430,171. PUBLISHED MARCH 25, 1941. Class 46.

387,823. CANNED FRUITS, CANNED FRUIT JUICES FOR FOOD PURPOSES, AND CANNED VEGETABLE JUICES FOR FOOD PURPOSES. BARRON-GRAY PACKING COMPANY, San Jose, Calif.
Filed March 30, 1940. Serial No. 430,172. PUBLISHED MARCH 25, 1941. Class 46.

387,824. FISH CAKES AND MIXTURES THEREFOR. DAVIS BROS. FISHERIES, INC., Gloucester, Mass., assignor to Davis Bros. Fisheries Co., Inc., Boston, Mass., a corporation of Massachusetts.
Filed April 15, 1940. Serial No. 430,764. PUBLISHED JULY 16, 1940. Class 46.

387,825. ELECTRIC WIRE TERMINALS. INDUSTRIAL MANUFACTURERS, INC., Elizabeth, N. J.
Filed May 1, 1940. Serial No. 431,451. PUBLISHED MARCH 25, 1941. Class 21.

387,826. FLOUR, PARTICULARLY A FLOUR WHICH CONTAINS FROM 15% TO 18% VEGETABLE FAT AND A LARGE PERCENTAGE OF LECITHIN AND ALBUMEN, ETC. AMERICAN BREDDO CORPORATION, New York, N. Y.
Filed May 8, 1940. Serial No. 431,670. PUBLISHED MARCH 25, 1941. Class 46.

387,827. AUTOMOBILES AND THEIR STRUCTURAL PARTS. CHRYSLER CORPORATION, Highland Park, Mich.
Filed May 23, 1940. Serial No. 432,236. PUBLISHED MARCH 25, 1941. Class 19.

387,828. WHISKEY. JAMES E. MORONEY, doing business as James Moroney, Philadelphia, Pa.
Filed May 23, 1940. Serial No. 432,263. PUBLISHED OCTOBER 1, 1940. Class 49.

387,829. ELECTRICALLY OPERATED SIGNALS, SPECIFICALLY CHIMES OPERATED BY ELECTRICAL IMPULSES. PRESTO ELECTRIC CO., Union City, N. J.
Filed June 12, 1940. Serial No. 432,948. PUBLISHED AUGUST 20, 1940. Class 21.

387,830. CORRECTIVE SHOULDER BRACES. THE DAMORT CORPORATION, Boston, Mass.
Filed July 17, 1940. Serial No. 434,057. PUBLISHED MARCH 25, 1941. Class 44.

387,831. HEALTH BELTS. THE DAMORT CORPORATION, Boston, Mass.
Filed July 17, 1940. Serial No. 434,058. PUBLISHED MARCH 25, 1941. Class 44.

387,832. TREATED FABRICS INCLUDING COTTON, WOOL, SILK, AND RAYON, AND LIKE GOODS IN THE PIECE IMPREGNATED OR OTHERWISE TREATED WITH RUBBER CHLORIDE. THE RAOLIN CORPORATION, New York, N. Y.
Filed July 22, 1940. Serial No. 434,223. PUBLISHED MARCH 25, 1941. Class 42.

387,833. COATED PAPERS PARTICULARLY PAPER COATED WITH RUBBER CHLORIDE COMPOSITIONS. THE RAOLIN CORPORATION, New York, N. Y.
Filed July 22, 1940. Serial No. 434,224. PUBLISHED MARCH 25, 1941. Class 37.

387,834. TUNGSTEN MINERALS. "SOMINAR," SOCIEDAD MINERA ARGENTINA, SOCIEDED ANÓNIMA, Buenos Aires, Argentina.
Filed July 26, 1940. Serial No. 434,377. PUBLISHED MARCH 25, 1941. Class 1.

387,835. MECHANIZED FILING CABINET. MILDRED M. BEATTY, doing business as Mimi-O-File Company, Albuquerque, N. Mex.
Filed August 21, 1940. Serial No. 435,193. PUBLISHED MARCH 25, 1941. Class 32.

387,836. CANNED DOG AND CAT FOOD. GENERAL PACKING CORPORATION, Brooklyn, N. Y.
Filed August 23, 1940. Serial No. 435,288. PUBLISHED MARCH 25, 1941. Class 46.

387,837. ELECTRIC ARC LAMPS FOR MOTION PICTURE PROJECTORS. J. E. MCAULEY MFG. CO., Chicago, Ill.
Filed August 29, 1940. Serial No. 435,506. PUBLISHED MARCH 25, 1941. Class 26.

387,838. SAFETY RAZORS, BLADES FOR SAFETY RAZORS, AND MECHANICAL STROPPING APPARATUS FOR SAID BLADES. ROTH-BÜCHNER G. m. b. H., Tempelhof, near Berlin, Germany.
Filed September 6, 1940. Serial No. 435,732. PUBLISHED MARCH 25, 1941. Class 23.

387,839. DISPENSING CLOSURES FOR BOTTLES, JARS, AND THE LIKE. RUSSELL B. KINGMAN, Orange, N. J.
Filed September 24, 1940. Serial No. 436,307. PUBLISHED MARCH 25, 1941. Class 13.

387,840. MEN'S AND BOYS' WORK AND DRESS SHIRTS. SALANT & SALANT, INC., New York, N. Y.
Filed October 1, 1940. Serial No. 436,552. PUBLISHED MARCH 18, 1941. Class 39.

387,841. FLASHLIGHTS. THE EDWARD KATZINGER COMPANY, Chicago, Ill.
Filed October 3, 1940. Serial No. 436,611. PUBLISHED MARCH 25, 1941. Class 21.

387,842. ROCK DRILLING MACHINERY, DRILL STEEL WITH INTEGRAL DRILL BITS, DRILL STEEL SHANKS, ETC. BITCO, INC., Wallace, Idaho.
Filed October 28, 1940. Serial No. 437,332. PUBLISHED MARCH 25, 1941. Class 23.

387,843. WHIPPING CREAM STABILIZERS. STA-WHIP, INC., Chicago, Ill.
Filed November 1, 1940. Serial No. 437,486. PUBLISHED MARCH 25, 1941. Class 46.

387,844. BAND SPREADER FOR RADIO RECEIVING SET. CONTINENTAL RADIO AND TELEVISION CORP., Chicago, Ill., assignor to Continental Radio and Television Corporation, Chicago, Ill., a corporation of Delaware.
Filed November 4, 1940. Serial No. 437,556. PUBLISHED MARCH 25, 1941. Class 21.

387,845. BEER, ALE, AND OTHER MALT BEVERAGES. LATROBE BREWING COMPANY, Latrobe, Pa.
Filed November 14, 1940. Serial No. 437,870. PUBLISHED MARCH 25, 1941. Class 48.

387,846. SPECTACLES. MICHAEL BLANK, doing business as Dr. M. Blank, Optometrist, Sioux City, Iowa.
Filed November 22, 1940. Serial No. 438,114. PUBLISHED MARCH 25, 1941. Class 26.

387,847. WATCHES—NAMELY, WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed November 22, 1940. Serial No. 438,116. PUBLISHED MARCH 25, 1941. Class 27.

387,848. UPPER CYLINDER LUBRICATOR, CONSISTING IN AN ACCESSORY DEVICE FOR OVERHEAD LUBRICATION OF CYLINDERS IN SUCH MACHINES AS INTERNAL COMBUSTION ENGINES. LINCOLN ENGINEERING COMPANY, St. Louis, Mo.
Filed November 25, 1940. Serial No. 438,204. PUBLISHED MARCH 25, 1941. Class 23.

387,849. LEAD ALLOYS. AMERICAN SMELTING AND REFINING COMPANY, New York, N. Y.
Filed November 26, 1940. Serial No. 438,232. PUBLISHED MARCH 25, 1941. Class 14.

387,850. CANNED MEAT PRODUCT CONSISTING OF CHOPPED CURED PORK MEAT WITH SPICES. FOODLAND, INC., Cleveland, Ohio.
Filed December 2, 1940. Serial No. 438,435. PUBLISHED MARCH 25, 1941. Class 46.

387,851. CANNED FRUITS—NAMELY, PEARS, PEACHES, BLACK CHERRIES, ROYAL ANNE CHERRIES, AND PRUNES; ETC. WASHINOTON PACKERS, INC., Sumner, Wash.
Filed December 4, 1940. Serial No. 438,521. PUBLISHED MARCH 25, 1941. Class 46.

387,852. POTATOES. J. HARVEY GOTT, Scottsbluff, Nebr.
Filed December 7, 1940. Serial No. 438,617. PUBLISHED MARCH 25, 1941. Class 46.

387,853. COIN CONTROLLED AUTOMATIC RECORD-CHANGING PHONOGRAPHS AND PARTS THEREFOR, INCLUDING COIN-OPERATED AND RECORD-SELECTING REMOTE CONTROL DEVICES THEREFOR. J. P. SEEBURG CORPORATION, Chicago, Ill.
Filed December 7, 1940. Serial No. 438,632. PUBLISHED MARCH 25, 1941. Class 36.

387,854. HYDRODYNAMIC BRAKE MECHANISMS FOR VEHICLES, FOR OIL WELL EQUIPMENT, AND FOR COAL MINE SERVICE HOISTS. THE PARKERSBURG RIG AND REEL COMPANY, Parkersburg, W. Va.
Filed December 9, 1940. Serial No. 438,664. PUBLISHED MARCH 25, 1941. Class 23.

387,855. POWER SWEEPERS INCLUDING LAWN SWEEPERS, STREET AND SIDEWALK SWEEPERS, SNOW SWEEPERS, AND INDUSTRIAL SWEEPERS. THE MOTO-MOWER COMPANY, Detroit, Mich.
Filed December 14, 1940. Serial No. 438,849. PUBLISHED MARCH 25, 1941. Class 23.

387,856. AIR CONDITIONING UNITS. CARGOCAIRE ENGINEERING CORPORATION, New York, N. Y.
Filed December 16, 1940. Serial No. 438,866. PUBLISHED MARCH 25, 1941. Class 34.

387,857. OPTICAL LENSES. OSCAR GREENBERG, doing business as the Optical Shoppe, Council Bluffs, Iowa.
Filed December 16, 1940. Serial No. 438,877. PUBLISHED MARCH 25, 1941. Class 26.

387,858. FRESH CITRUS FRUITS. L. M. WASHBURN, Lindsay, Calif.
Filed December 16, 1940. Serial No. 438,914. PUBLISHED MARCH 25, 1941. Class 46.

387,859. WINDOW CURTAINS AND DRAPES OF SYNTHETIC PLASTIC FABRICS, AND SYNTHETIC PLASTIC FABRICS, SHEETING, OR FILM, ETC. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,957. PUBLISHED MARCH 25, 1941. Class 50.

387,860. REBUILT TELEPHONES, REBUILT TELEPHONE PARTS, REBUILT TELEPHONE SWITCHBOARDS, AND REBUILT TELEPHONE SWITCHES. AUTOMATIC ELECTRIC COMPANY, Chicago, Ill.
Filed December 18, 1940. Serial No. 438,971. PUBLISHED MARCH 25, 1941. Class 21.

387,861. MEN'S AND BOYS' SPORTSWEAR—NAMELY, OUTSIDE SHIRTS, INCLUDING DRESS SHIRTS, PANTS, PAJAMAS, JACKETS, PLAY SUITS, SLACKS, SLACK SUITS, SUITS, OVERCOATS, HATS, AND CRAVATS. HIPSH, INC., Kansas City, Mo.
Filed December 21, 1940. Serial No. 439,073. PUBLISHED MARCH 25, 1941. Class 39.

387,862. BLANK PRICE CARDS, TELEPHONE CARDS, AND RECIPE CARDS. BENJAMIN P. WEAVER, doing business as Weaver-Beach Co., Scottsville, N. Y.
Filed December 21, 1940. Serial No. 439,084. PUBLISHED MARCH 25, 1941. Class 37.

387,863. FRESH ORANGES. R. D. KEENE, INC., Winter Garden, Fla.
Filed December 23, 1940. Serial No. 439,110. PUBLISHED MARCH 25, 1941. Class 46.

387,864. WEIGHING APPARATUS—NAMELY, AUTOMATIC WEIGHING APPARATUS, CONTINUOUS WEIGHING APPARATUS, AND AUTOMATIC OR/AND CONTINUOUS WEIGHING APPARATUS COMBINED WITH WEIGHT RECORDING MECHANISM. MERRICK SCALE MFG. CO., Passaic, N. J.
Filed December 23, 1940. Serial No. 439,114. PUBLISHED MARCH 25, 1941. Class 26.

387,865. FRESH POTATOES. MURPHY & MURRAY, Grand Forks, N. Dak.
Filed December 20, 1940. Serial No. 439,139. PUBLISHED MARCH 25, 1941. Class 46.

387,866. GOGGLES. HARRY BUEGELEISEN, INC., Brooklyn, N. Y.
Filed December 24, 1940. Serial No. 439,155. PUBLISHED MARCH 25, 1941. Class 26.

387,867. DEVICES AND APPLIANCES FOR MOISTENING OR DISPENSING ADHESIVE OR GUMMED TAPE, ETC. NASHUA PACKAGE SEALING CO. INC., Nashua, N. H.
Filed December 24, 1940. Serial No. 439,169. PUBLISHED MARCH 25, 1941. Class 37.

387,868. FRESH CITRUS FRUITS. RIVERA CITRUS ASSOCIATION, Rivera, Calif.
Filed December 27, 1940. Serial No. 439,240. PUBLISHED MARCH 25, 1941. Class 46.

387,869. SANDWICH ROLL. FRANTZ HOME BAKERS, INC., East Liverpool, Ohio.
Filed January 6, 1941. Serial No. 439,437. PUBLISHED MARCH 25, 1941. Class 46.

387,870. RUST AND STAIN REMOVING CLEANSER FOR METALS, STONE, TILE, ENAMEL, PORCELAIN, AND PLUMBING. THE HALL-WATSON COMPANY, INC., New York, N. Y.
Filed January 11, 1941. Serial No. 439,595. PUBLISHED MARCH 25, 1941. Class 4.

387,871. PAJAMAS FOR MEN AND BOYS. AMOSKEAG PAJAMA CO. INC., Boston, Mass.
Filed January 14, 1941. Serial No. 439,646. PUBLISHED MARCH 25, 1941. Class 39.

387,872. DENTAL ASPIRATORS. HARRY P. SIEGEL, Brooklyn, N. Y.
Filed January 15, 1941. Serial No. 439,707. PUBLISHED MARCH 25, 1941. Class 44.

387,873. PAPER PULP. UNION BAG & PAPER CORPORATION, New York, N. Y.
Filed January 15, 1941. Serial No. 439,709. PUBLISHED MARCH 25, 1941. Class 1.

387,874. MEN'S, WOMEN'S, AND BOYS' WEARING APPAREL—NAMELY, TOPCOATS, OVERCOATS, RAINCOATS, SPORT COATS, SPORT JACKETS, SHIRTS, AND SPORT SHIRTS. WALHAVEN, INC., Cleveland, Ohio.
Filed January 15, 1941. Serial No. 439,711. PUBLISHED MARCH 25, 1941. Class 39.

387,875. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JAS. E. PEPPER & COMPANY, Lexington, Ky.
Filed January 16, 1941. Serial No. 439,727. PUBLISHED MARCH 25, 1941. Class 49.

387,876. RUBBER WATERPROOFED SHEETING IN ROLLS AND IN CUT LENGTHS, AND PILLOW CASES AND MATTRESS COVERS MADE THEREFROM. EVA A. RIESENBURGER, doing business as Proven Products Company, Flushing, N. Y.
Filed January 16, 1941. Serial No. 439,729. PUBLISHED MARCH 25, 1941. Class 50.

387,877. ELECTRICAL APPARATUS COMPRISING VOLTAGE REGULATORS. ALLIS-CHALMERS MANUFACTURING COMPANY, West Allis, Wis.
Filed January 17, 1941. Serial No. 439,743. PUBLISHED MARCH 25, 1941. Class 21.

387,878. APRICOT LIQUEUR. AMERICAN SPIRITS, INC., New York, N. Y.
Filed January 17, 1941. Serial No. 439,744. PUBLISHED MARCH 25, 1941. Class 49.

387,879. SOUND RECORDING AND SOUND REPRODUCING STYLI. AUDIO DEVICES, INC., New York, N. Y.
Filed January 21, 1941. Serial No. 439,795. PUBLISHED MARCH 25, 1941. Class 36.

387,880. LADIES' AND MISSES' DRESSES. H. BOMZE & BRO., Philadelphia, Pa.
Filed January 21, 1941. Serial No. 439,797. PUBLISHED MARCH 25, 1941. Class 39.

387,881. SLIDE RULES FOR USE IN CONNECTION WITH THE GROUPINGS OF VARIOUS TYPES OF CORSETS, COMBINATION CORSET BRASSIÈRES, GIRDLES, AND BRASSIÈRES. CHARIS CORPORATION, Allentown, Pa.
Filed January 21, 1941. Serial No. 439,803. PUBLISHED MARCH 25, 1941. Class 26.

387,882. BATTERY CHARGER. GEORGE T. GREGSON, Spokane, Wash.
Filed January 21, 1941. Serial No. 439,812. PUBLISHED MARCH 25, 1941. Class 21.

387,883. COAL. THE MAUMEE COLLIERIES COMPANY, Terre Haute, Ind.
Filed January 21, 1941. Serial No. 439,819. PUBLISHED MARCH 25, 1941. Class 1.

387,884. WASH-CLOTHS, TOWELS, CRIB SHEETS, AND BLANKETS. JOHN MIDDLEMISS, JR., New York, N. Y.
Filed January 21, 1941. Serial No. 439,821. PUBLISHED MARCH 25, 1941. Class 42.

387,885. LEATHER. FRED RUEPING LEATHER CO., Fond du Lac, Wis.
Filed January 21, 1941. Serial No. 439,834. PUBLISHED MARCH 25, 1941. Class 1.

387,886. SMOKING PIPES AND FILTER BOWLS FOR SUCH PIPES. BENJAMIN LIEBOWITZ, New York, N. Y.
Filed January 22, 1941. Serial No. 439,873. PUBLISHED MARCH 25, 1941. Class 8.

387,887. LADIES' UNDERWEAR AND NIGHTGOWNS. JULIUS KAYSER & CO., New York, N. Y.
Filed January 23, 1941. Serial No. 439,898. PUBLISHED MARCH 25, 1941. Class 39.

387,888. COATED PAPER. THE SABIN ROBBINS PAPER COMPANY, Cincinnati, Ohio.
Filed January 23, 1941. Serial No. 439,906. PUBLISHED MARCH 25, 1941. Class 37.

387,889. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK, AND SIRUP AND EXTRACT FOR MAKING THE SAME. FOOTE & JENKS, INC., Jackson, Mich.
Filed January 25, 1941. Serial No. 439,965. PUBLISHED MARCH 25, 1941. Class 45.

387,890. CIGARETTES. THE AXTON-FISHER TOBACCO COMPANY, Louisville, Ky.
Filed January 27, 1941. Serial No. 439,988. PUBLISHED MARCH 25, 1941. Class 17.

387,891. PEANUT BUTTER SANDWICHES. JAMES R. COUNCIL, doing business as Council Company, Norfolk, Va.
Filed January 27, 1941. Serial No. 439,993. PUBLISHED MARCH 25, 1941. Class 46.

387,892. DEHYDRATED APPLES. ROSS PACKING CO., Selah, Wash.
Filed January 27, 1941. Serial No. 440,023. PUBLISHED MARCH 25, 1941. Class 46.

387,893. NOVELTIES AND SOUVENIRS, PARTICULARLY IN THE FORM OF BIRDS. FRANK POWELL, doing business as Chick Powell Co., Miami, Fla.
Filed January 28, 1941. Serial No. 440,058. PUBLISHED MARCH 25, 1941. Class 50.

387,894. POWDER PUFFS. RAND BROTHERS, New York, N. Y.
Filed January 28, 1941. Serial No. 440,059. PUBLISHED MARCH 25, 1941. Class 29.

387,895. INFANT'S, CHILD'S, OR YOUTH'S OUTERGARMENT—NAMELY, SNOWSUIT. TIDY PRODUCTS CORPORATION, New York, N. Y.
Filed January 28, 1941. Serial No. 440,072. PUBLISHED MARCH 25, 1941. Class 39.

387,896. WOMEN'S, MISSES', AND JUNIORS' COATS, SUITS, CAPES, SKIRTS, JACKETS, AND RIDING HABITS. CADILLAC COAT CO. INC., New York, N. Y.
Filed January 29, 1941. Serial No. 440,082. PUBLISHED MARCH 25, 1941. Class 39.

387,897. TOY ANIMALS. BETTY ILGEN FRITZ, St. Petersburg, Fla.
Filed January 31, 1941. Serial No. 440,159. PUBLISHED MARCH 25, 1941. Class 22.

387,898. COAL. J. EDWARD HIBLINE COMPANY, INC., Baltimore, Md.
Filed January 31, 1941. Serial No. 440,162. PUBLISHED MARCH 25, 1941. Class 1.

387,899. WHISKEY, GIN, BRANDY, COGNAC, RUM, AND ALCOHOLIC CORDIALS. RECORDS & GOLDSBOROUGH, INCORPORATED, Baltimore, Md.
Filed January 31, 1941. Serial No. 440,175. PUBLISHED MARCH 25, 1941. Class 49.

387,900. PASTE. FRANK J. WAGNER, doing business as Zipper Paste Shop, Chicago, Ill.
Filed February 5, 1941. Serial No. 440,350. PUBLISHED MARCH 25, 1941. Class 5.

387,901. DINING ROOM AND BEDROOM FURNITURE. NORTHERN FURNITURE COMPANY, Sheboygan, Wis.
Filed February 8, 1941. Serial No. 440,470. PUBLISHED MARCH 25, 1941. Class 32.

387,902. PRINTING INKS. INTERCHEMICAL CORPORATION, New York, N. Y.
Filed February 11, 1941. Serial No. 440,556. PUBLISHED MARCH 25, 1941. Class 11.

387,903. BOTTLED SODA WATER. WHITE ROCK MINERAL SPRINGS COMPANY, New York, N. Y., and Waukesha, Wis.
Filed February 11, 1941. Serial No. 440,567. PUBLISHED MARCH 25, 1941. Class 45.

387,904. ABSORBENT PADS, CHEMICALLY TREATED PADS, AND CHEMICAL EXOTHERMIC HEATING UNITS FOR PERMANENT WAVING. CLAIROL, INCORPORATED, Stamford, Conn.
Filed February 12, 1941. Serial No. 440,578. PUBLISHED MARCH 25, 1941. Class 44.

387,905. ABSORBENT PADS, CHEMICALLY TREATED PADS, AND CHEMICAL EXOTHERMIC HEATING UNITS FOR PERMANENT WAVING. CLAIROL, INCORPORATED, Stamford, Conn.
Filed February 12, 1941. Serial No. 440,579. PUBLISHED MARCH 25, 1941. Class 44.

387,906. MATTRESSES. RICH'S, INC., Atlanta, Ga.
Filed February 14, 1941. Serial No. 440,662. PUBLISHED MARCH 25, 1941. Class 32.

387,907. GOLF BALLS. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed February 14, 1941. Serial No. 440,669. PUBLISHED MARCH 25, 1941. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

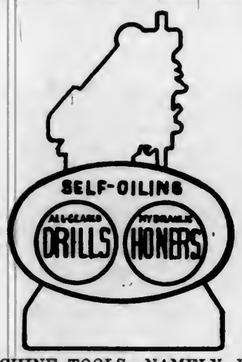
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

387,908. (CLASS 21. ELECTRICAL APPARATUS. MACHINES, AND SUPPLIES.) THE OKONITE COMPANY, Passaic, N. J. Filed Feb. 4, 1939. Under the act of Mar. 19, 1920, as amended June 10, 1938. Serial No. 415,608.

NOKRODE

FOR BATTERY TERMINAL CONNECTORS.
Claims use since May, 1935.

387,909. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BARNES DRILL CO., Rockford, Ill. Filed Sept. 7, 1939. Serial No. 423,368.



FOR MACHINE TOOLS—NAMELY, DRILLING MACHINES AND HONING MACHINES.
Claims use since Mar. 1, 1939.

387,910. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE O. P. BAUR CONFECTIONERY COMPANY, Denver, Colo. Filed Dec. 7, 1939. Serial No. 426,324.

CRYSTAL CUTS

FOR HARD CANDIES.
Claims use since June 1, 1936.

387,911. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ALLEN B. WRISLEY COMPANY, Chicago, Ill. Filed Apr. 8, 1940. Serial No. 430,532.

Oval-O

FOR SOAP.
Claims use since Apr. 2, 1940.

387,912. (CLASS 11. INKS AND INKING MATERIALS.) PEERLESS ROLL LEAF CO., INC., Union City N. J. Filed Apr. 9, 1940. Serial No. 430,560.

Plastik Foil

FOR TRANSFER ROLL LEAF.
Claims use since Jan. 29, 1940.

387,913. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AKRON BRASS MANUFACTURING COMPANY, INCORPORATED, Wooster, Ohio. Filed Apr. 12, 1940. Serial No. 430,668.

TAP-A-LINE

FOR HOSE COUPLINGS FOR FIRE FIGHTING USE.
Claims use since Mar. 4, 1940.

387,914. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) HERMANN LOEWENSTEIN, New York, N. Y. Filed Apr. 15, 1940. Serial No. 430,781.

Cedar Calf
"It's Timber Tanned"

FOR CALF LEATHER AND SHOE UPPER LEATHERS.
Claims use since Feb. 1, 1940.

387,915. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RANDOLPH MARKETING CO., INC., Los Angeles, Calif. Filed Apr. 16, 1940. Serial No. 430,839.

KALGAN

FOR FRESH CITRUS FRUIT.
Claims use since Apr. 9, 1940.

387,916. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RANDOLPH MARKETING CO., INC., Los Angeles, Calif. Filed Apr. 16, 1940. Serial No. 430,841.

KARNAK

FOR FRESH CITRUS FRUIT.
Claims use since Apr. 9, 1940.

387,917. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WARNER BROS. PICTURES, INC., New York, N. Y. Filed Apr. 24, 1940. Serial No. 431,182.

NATURAL COLOR

FOR MOTION PICTURES AND MOTION PICTURE FILMS WHICH HAVE RECORDS OF SOUND, WORDS, AND/OR MUSIC THEREON, AND MOTION PICTURE FILMS ADAPTED FOR SYNCHRONIZATION WITH SOUND, WORDS, AND/OR MUSIC RECORDS.
Claims use sihce Mar. 23, 1940.

387,918. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MAX H. KAHN CURTAIN CORPORATION, New York, N. Y. Filed May 2, 1940. Serial No. 431,489.

Adjust-across

FOR HOUSEHOLD CURTAINS AND DRAPERIES.
Claims use since Jan. 15, 1940.

387,919. (CLASS 37. PAPER AND STATIONERY.) M. A. FERST, LTD., Atlanta, Ga. Filed June 13, 1940. Serial No. 432,974.

LEDTITE

FOR PENCILS AND PENCIL LEADS.
Claims use since Apr. 18, 1940.

387,920. (CLASS 45. BEVERAGES, NONALCOHOLIC.) LOUIS G. MILLER, doing business as Glen-Rock Beverage Company, Milwaukee, Wis. Filed Aug. 2, 1940. Serial No. 434,607.

Foam-Up

FOR SODA WATER AND SOFT DRINKS.
Claims use since Nov. 16, 1939.

387,921. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) ELLINGWOOD & BOND, Boston, Mass. Filed Aug. 10, 1940. Serial No. 434,868.

Safe-Lite

FOR PYROTECHNIC SAFETY ROAD FLARES.
Claims use since Dec. 21, 1938.

387,922. (CLASS 37. PAPER AND STATIONERY.) CELIA ANN HAVENDER, doing business as Adresocard Co., New York, N. Y. Filed Aug. 22, 1940. Serial No. 435,244.

ADRESOCARD

FOR IDENTIFICATION PLAQUES OF PAPER OR CARDBOARD.
Claims use since Apr. 20, 1940.

387,923. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JEWETT & SHERMAN COMPANY, also doing business as Holsum Products, Milwaukee, Wis. Filed Sept. 11, 1940. Serial No. 435,875.

FOR NON-ALCOHOLIC DRINK-MIX FOR PUNCHES, HIGHBALLS, AND COCKTAILS.
Claims use since Apr. 18, 1940.

387,924. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLOYD A. LICK, doing business as Certified Egg Producers Association, Locke, N. Y. Filed Oct. 30, 1940. Serial No. 437,414.

FINGER LAKE EGGS

FOR POULTRY EGGS.
Claims use since June 26, 1939.

387,925. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GENERAL MILLS, INC., Minneapolis, Minn. Filed Dec. 20, 1940. Serial No. 439,137.

SPERRY

FOR FOODS FOR HUMAN AND ANIMAL CONSUMPTION, PARTICULARLY: FLOURS, MEAL AND PREPARED FLOURS—VIZ. WHEAT FLOUR, CAKE AND PASTRY FLOUR, PANCAKE AND WAFFLE FLOUR, GLUTEN FLOUR, GRAHAM FLOUR, WHOLE WHEAT FLOUR, CORN FLOUR, BUCKWHEAT FLOUR, SELF-RISING BUCKWHEAT FLOUR, RYE FLOUR, MACARONI FLOUR, CRACKED WHEAT, YELLOW CORN MEAL, WHITE CORN MEAL AND RYE MEAL; AND STOCK FEEDS—NAMELY, CATTLE FEED, GOAT FEED, SWINE FEED AND RABBIT FEED; AND OTHER MISCELLANEOUS PRODUCTS—NAMELY, BREAKFAST CEREALS MADE FROM WHEAT, BREAKFAST CEREALS MADE FROM OATS, POULTRY FOOD, BRAN, MIDDLINGS, WHEAT GERM EMBRYO, DOG FOOD, HOMINY GRITS, BARLEY, TAPIOCA, SAGO, POLENTA, PEAS, LENTILS, CORN, AND WHEAT.
Claims use since 1875.

387,926. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE REGINA CORPORATION, Rahway, N. J. Filed Mar. 8, 1941. Serial No. 441,366.

Smoothcut

FOR CAN OPENERS.
Claims use since Oct. 15, 1932.

TRADE-MARK REGISTRATIONS RENEWED

141,146. **INPACO.** SULFITE BOND-PAPER USED FOR WRITING AND PRINTING PURPOSES. Registered April 12, 1921. INTERNATIONAL PAPER COMPANY, New York, N. Y., a corporation of New York. Renewed April 12, 1941.

141,188. **AWASHONKS.** RHODE ISLAND INDIAN-CORN MEAL. Registered April 12, 1921. JAMES EDWARD NEWTON, Fall River, Mass. Renewed April 12, 1941, to J. Edward Newton, Little Compton, R. I.

141,383. **HIPCO.** FLASHLIGHTS AND DRY BATTERIES. Registered April 19, 1921. HIPWELL MANUFACTURING CO., Pittsburgh, Pa., a corporation of New Jersey. Renewed April 19, 1941.

141,401. **REPRESENTATION OF A PARROT.** A MALTLESS BEVERAGE CONTAINING LESS THAN ONE-HALF OF ONE PER CENT. OF ALCOHOL. Registered April 19, 1921. LASH'S PRODUCTS CO., Chicago, Ill. Renewed April 19, 1941, to Lash, Inc., Clifton, N. J., a corporation of California, by change of name.

141,522. **PACIFIC COAST.** WHEAT-FLOUR. Registered April 26, 1921. COLLINS FLOUR MILLS, Pendleton, Oreg. Renewed April 26, 1941, to Collins Flour Mills, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

141,625. **PRESTEEL.** BEAMS, STUDDING, AND JOISTS OF METAL. Registered April 26, 1921. NORTHWESTERN EXPANDED METAL COMPANY. Renewed April 26, 1941, to United States Gypsum Company, Chicago, Ill., a corporation of Illinois, assignee.

141,929. **WASHOTINT.** READY-MIXED PAINTS. Registered May 3, 1921. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del., a corporation of Delaware. Renewed May 3, 1941.

141,967. **SATIN FINISH.** GLASS GLOBES AND REFLECTORS FOR ARTIFICIAL LIGHT. Registered May 3, 1921. HOLOPHANE GLASS COMPANY, INC. Renewed May 3, 1941, to Holophane Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

142,025. **GENITONE.** FEMALE-TONIC. Registered May 3, 1921. THE WILLIAM S. MERRELL COMPANY. Renewed May 3, 1941, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware, assignee by mesne assignments.

142,029. **BISMACOL.** BISMUTH COMPOUND USED IN DIARRHEA OR VARIOUS INTESTINAL DISORDERS. Registered May 3, 1921. THE WILLIAM S. MERRELL COMPANY. Renewed May 3, 1941, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware, assignee by mesne assignments.

142,030. **BECHOL.** SYRUP USED IN ACUTE AND CHRONIC BRONCHITIS AND COUGHS AND COLDS. Registered May 3, 1921. THE WILLIAM S. MERRELL COMPANY. Renewed May 3, 1941, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware, assignee by mesne assignments.

142,034. **PASCARNATA.** A CORDIAL EXTRACT (PASSIFLORA INCARNATA) USED IN NERVOUSNESS, SLEEPLESSNESS, NEURALGIA, ETC. Registered May 3, 1921. THE WILLIAM S. MERRELL COMPANY. Renewed May 3, 1941, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware, assignee by mesne assignments.

142,035. **ERPIOL.** CAPSULES OF ERGOTIN AND APIOL USED AS AN EMMENAGOGUE. Registered May 3, 1921. THE WILLIAM S. MERRELL COMPANY. Renewed May 3, 1941, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware, assignee by mesne assignments.

142,037. **MAIZAVENA.** CORN-SILK AND SAW-PALMETTO COMPOUND USED IN URINARY AND KIDNEY DISORDERS. Registered May 3, 1921. THE WILLIAM S. MERRELL COMPANY. Renewed May 3, 1941, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware, assignee by mesne assignments.

142,039. **LAC-RICIN.** CASTOR-OIL, EMULSIFIED. Registered May 3, 1921. THE WILLIAM S. MERRELL COMPANY. Renewed May 3, 1941, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware, assignee by mesne assignments.

142,040. **CASTA-FLORA.** CASTANEA COMPOUND FOR USE IN COUGHS. Registered May 3, 1921. THE WILLIAM S. MERRELL COMPANY. Renewed May 3, 1941, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware, assignee by mesne assignments.

142,124. **ACETIDINE.** MEDICINAL TABLETS FOR USE AS AN ANODYNE AND ANTIPYRETIC. Registered May 3, 1921. SHARP & DOHME, Baltimore, Md. Renewed May 3, 1941, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee.

142,125. **IODINE INUNCTOL.** RUBEFACIENT SOLUTION. Registered May 3, 1921. SHARP & DOHME, Baltimore, Md. Renewed May 3, 1941, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland, assignee.

142,237. **BEAVER QUALITY.** CERTAIN NAMED CONSTRUCTION MATERIALS. Registered May 10, 1921. THE BEAVER COMPANY, Buffalo, N. Y. Renewed May 10, 1941, to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland, assignee by mesne assignments.

142,410. **AMFAC.** CERTAIN NAMED FOODS. Registered May 17, 1921. AMERICAN FACTORS, LIMITED, Honolulu, Territory of Hawaii, and San Francisco, Calif., a corporation of the Territory of Hawaii. Renewed May 17, 1941.

142,589. **JIFFY-JULEPS.** BEVERAGE-POWDERS FOR THE MAKING OF NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES. Registered May 17, 1921. JIFFY DESSERT COMPANY, Waukesha, Wis. Renewed May 17, 1941, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

142,652. **KELVINATOR.** REFRIGERATING APPARATUS. Registered May 17, 1921. KELVINATOR CORPORATION. Renewed May 17, 1941, to Nash-Kelvinator Corporation, Detroit, Mich., a corporation of Maryland, assignee by mesne assignments.

142,822. **BESTWEST.** DRIED FRUIT—NAMELY, DRIED ITALIAN PRUNES AND PETITES AND SUGAR-PRUNES. Registered May 17, 1921. WASHINGTON GROWERS' PACKING CORPORATION, Vancouver, Wash., a corporation of Washington. Renewed May 17, 1941.

142,931. **REPRESENTATION OF A BEAVER.** WALLBOARD AND BUILDING-PAPER. Registered May 24, 1921. THE BEAVER COMPANY, Buffalo, N. Y. Renewed May 24, 1941, to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland, assignee by mesne assignments.

143,037. **HECTOR.** CANDY. Registered May 24, 1921. HAWLEY & HOOPS, New York, N. Y., a firm. Renewed May 24, 1941.

143,081. **STOBELIA.** STILLINGIA AND LOBELIA COMPOUND USED IN COUGHS, COLDS, BRONCHITIS, CROUP, ETC. Registered May 24, 1921. THE WILLIAM S. MERRELL COMPANY. Renewed May 24, 1941, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware, assignee by mesne assignments.

143,082. **AKARALGIA.** EFFERVESCENT SALT USED IN THE TREATMENT OF MIGRAINE, AUTO-INTOXICATION, AND RELATED DISORDERS. Registered May 24, 1921. THE WILLIAM S. MERRELL COMPANY. Renewed May 24, 1941, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware, assignee by mesne assignments.

143,085. **BLENOL.** A CERTAIN NAMED MEDICINAL PREPARATION. Registered May 24, 1921. THE WILLIAM S. MERRELL COMPANY. Renewed May 24, 1941, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware, assignee by mesne assignments.

143,088. **FERRO-SALICYLATA.** AN IRON-SALICYLATE COMPOUND FOR ADMINISTRATION IN RHEUMATIC AFFECTIONS AND AS A TONIC. Registered May 24, 1921. THE WILLIAM S. MERRELL COMPANY. Renewed May 24, 1941, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware, assignee by mesne assignments.

143,089. **PENTABROMIDES.** A COMPOUND OF BROMIDS USED AS A NERVE-SEDATIVE. Registered May 24, 1921. THE WILLIAM S. MERRELL COMPANY. Renewed May 24, 1941, to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Delaware, assignee by mesne assignments.

143,288. **BIRD NEPONSET.** FELT-BASE FLOOR-COVERINGS AND RUG-BORDERS. Registered May 31, 1921. BIRD & SON, INC., East Walpole, Mass., a corporation of Massachusetts. Renewed May 31, 1941.

143,289. **BIRD NEPONSET.** CERTAIN NAMED CONSTRUCTION MATERIALS. Registered May 31, 1921. BIRD & SON, INC., East Walpole, Mass., a corporation of Massachusetts. Renewed May 31, 1941.

143,331. **ERWIN.** SHEETS AND PILLOW-CASES AND COTTON GOODS IN THE PIECE. Registered May 31, 1921. The ERWIN COTTON MILLS COMPANY, West Durham, N. C., a corporation of North Carolina. Renewed May 31, 1941.

144,172. **BIRD NEPONSET.** PACKING-CASES, CARTONS, PAPER AND FIBER BOARD BOXES, AND PAPER FLOWER-POTS. Registered June 28, 1921. BIRD & SON, INC., East Walpole, Mass., a corporation of Massachusetts. Renewed June 28, 1941.

144,544. **GERMAN'S.** SWEET CHOCOLATE. Registered July 12, 1921. WALTER BAKER & COMPANY, LTD., Boston, Mass. Renewed July 12, 1941, to Walter Baker & Company, Inc., New York, N. Y., a corporation of Massachusetts, assignee by mesne assignments.

145,549. **VEGACO.** OLEOMARGARIN. Registered August 9, 1921. CROWN MARGARIN COMPANY. Renewed August 9, 1941, to St. Louis Independent Packing Company, St. Louis, Mo., a corporation of Missouri, assignee by mesne assignments.

145,550. **WHITE HOUSE.** OLEOMARGARIN. Registered August 9, 1921. CROWN MARGARIN COMPANY. Renewed August 9, 1941, to St. Louis Independent Packing Company, St. Louis, Mo., a corporation of Missouri, assignee by mesne assignments.

146,069. **CALCO.** CERTAIN NAMED CHEMICAL, MINERAL, AND VEGETABLE SUBSTANCES. Registered August 30, 1921. THE CALCO CHEMICAL COMPANY, Bound Brook, N. J. Renewed August 30, 1941, to American Cyanamid Company, New York, N. Y., a corporation of Maine, assignee.

146,085. **SLEEPY HOLLOW.** MANUFACTURED BLANKETS OF ALL COTTON, COTTON AND WOOL, AND ALL WOOL. Registered August 30, 1921. EDSON, MOORE & Co., Detroit, Mich., a corporation of Michigan. Renewed August 30, 1941.

146,350. **REDDY.** HAIR-NETS. Registered September 6, 1921. SAMSTAG & HILDER BROS. Renewed September 6, 1941, to The Glemby Company, Inc., New York, N. Y., a corporation of Delaware, assignee.

146,669. **DREYFUSILK.** CERTAIN CLOTHS AND FABRICS IN THE PIECE, OF SILK, ARTIFICIAL SILK AND COMBINATIONS. Registered September 20, 1921. THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY, LIMITED. Renewed September 20, 1941, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware, by change of name.

146,865. **THE PANTS KING.** CERTAIN ARTICLES OF CLOTHING. Registered September 20, 1921. J. SCHOENEMAN, INCORPORATED, Baltimore, Md., a corporation of Maryland. Renewed September 20, 1941.

146,890. **TROPIC NUT.** OLEOMARGARIN. Registered September 20, 1921. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 20, 1941.

147,112. **HOUBIGANT.** CERTAIN NAMED TOILET PREPARATIONS. Registered October 4, 1921. HOUBIGANT, INC., New York, N. Y., a corporation of New York. Renewed October 4, 1941.

147,265. **MIAMI METAL.** CERTAIN PRODUCTS OF IRON, OF STEEL, AND OF ALLOYS OF IRON. Registered October 11, 1921. THE AMERICAN ROLLING MILL COMPANY, Middletown, Ohio, a corporation of Ohio. Renewed October 11, 1941.

147,270. **JABON DE REUTER.** SOAPS. Registered October 11, 1921. BARCLAY & Co., Wilmington, Del., and New York, N. Y. Renewed October 11, 1941, to Lanman & Kemp-Barclay & Co. Incorporated, New York, N. Y., a corporation of New York, assignee.

147,283. **ZEBRA.** DRESSINGS FOR POWER-TRANSMISSION BELTS. Registered October 11, 1921. CLING-SURFACE COMPANY, Buffalo, N. Y., a corporation of New York. Renewed October 11, 1941.

147,326. **RED DIAMOND.** SHOE-INK. Registered October 11, 1921. CHAS. M. HATCHER MFG. CO., INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed October 11, 1941.

147,331. **THE PROTEX ARCH.** MEN'S, WOMEN'S AND CHILDREN'S SHOES MADE OF LEATHER, FABRIC AND COMBINED LEATHER AND FABRIC. Registered October 11, 1921. THE HOLTERS COMPANY. Renewed October 11, 1941, to The United States Shoe Corporation, Cincinnati, Ohio, a corporation of Ohio, assignee.

147,428. **MAGICLOTH.** A CLOTH USED FOR POLISHING METAL. Registered October 11, 1921. ADOLPH WERNER, Milwaukee, Wis. Renewed October 11, 1941.

REISSUES

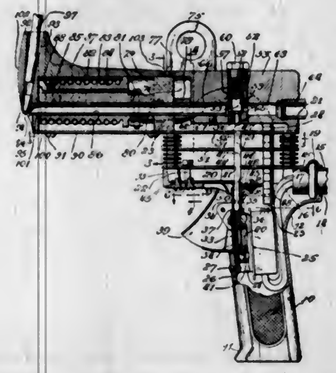
JUNE 3, 1941

21,814
METAL SPRAY GUN

Frans O. Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa

Original No. 2,058,653, dated October 27, 1936, Serial No. 77,094, April 30, 1936. Application for reissue November 3, 1937, Serial No. 172,572

28 Claims. (Cl. 91—12.2)



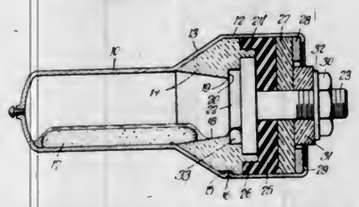
23. In a gun for spraying metal, a metal-heating assembly including a receptacle for metal having a discharge orifice, a metal housing in which said receptacle is formed, an electric heating element in the housing, means to supply current to the element, and a spraying-fluid conveyor tube located in a through bore of the housing but generally out of contact with the metal of the housing and having a discharge nozzle effect at one end of the bore in spraying relationship to the discharge orifice of the receptacle.

21,815
SWITCH

Paul S. Bear, Elkhart, Ind., assignor, by mesne assignments, to Bucklen-Bear Laboratories, Inc., Elkhart, Ind., a corporation of Indiana

Original No. 2,132,922, dated October 11, 1938, Serial No. 73,883, April 11, 1936. Application for reissue July 20, 1939, Serial No. 285,561

33 Claims. (Cl. 200—152)



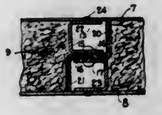
1. A mercury switch of the class described having a pair of spaced electrodes, one of said electrodes having a planar face portion, a recess having a transversely extending body of mercury in contact with said one electrode, a body of mercury in contact with said other electrode and movable normally to said face portion of said first electrode and a planar inclined floor leading from said other electrode to said recess, said last named body of mercury being movable along said floor toward said first electrode upon tilting of said switch with a straight line advancing edge extending parallel to said face portion and moving into simultaneous full length contact with said transversely extending body of mercury.

21,816
INSULATED CAR WALL

Charles D. Bonsall, Chicago, Ill., assignor, by mesne assignments, to Standard Railway Equipment Manufacturing Company, a corporation of Delaware

Original No. 2,117,397, dated May 17, 1938, Serial No. 147,969, June 12, 1937. Application for reissue May 13, 1940, Serial No. 334,985

19 Claims. (Cl. 189—34)



19. An insulated wall comprising a sheet, a metallic sheet disposed in spaced relation to the first mentioned sheet to form a space therebetween, insulating material in said space, and a stiffener disposed in said space and secured to said first mentioned sheet, said stiffener including a metallic member, said metallic sheet being welded to said metallic member, said stiffener also including insulating means interposed between said sheet and said metallic sheet and having a part spaced from the weld to form a wall at least partially encasing an air space contiguous to the welding, thereby preventing heat of the welding from igniting said insulating material.

21,817
MEAT CHOPPING MACHINE

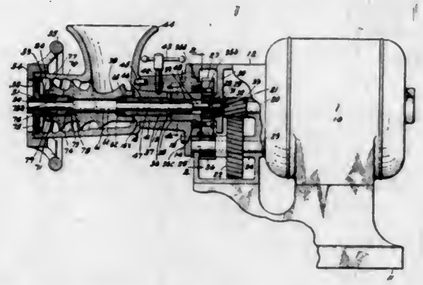
Sam Gronich, Los Angeles, Calif.

Original No. 2,222,614, dated November 26, 1940, Serial No. 289,845, August 12, 1939. Application for reissue November 29, 1940, Serial No. 367,833

11 Claims. (Cl. 146—189)

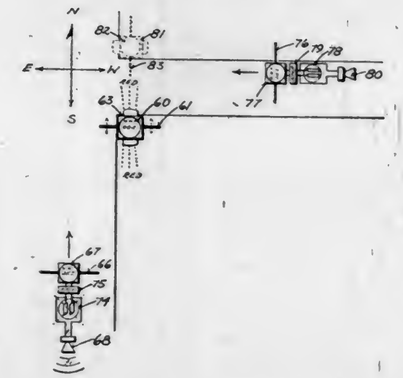
9. In a grinder, a casing structure having a passage, one part of which forms a grinding chamber, a non-rotatable shaft extending through said passage and supported by said structure, a rotary tubular member within the casing passage and journaled on the non-rotatable shaft, said rotary member including as a part thereof a worm having an open ended passage extending from one end to the other of the worm for receiving the non-rotatable shaft, means for holding the rotary member against longitudinal movement on the non-rotatable

shaft, means for effecting longitudinal adjustment of the rotary member and non-rotatable



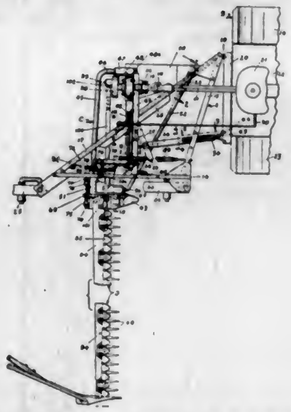
shaft with respect to the casing, and means for driving the rotary member.

21,818
RADIO TRAFFIC CONTROL SYSTEM
William S. Halstead, Huntington, N. Y., assignor of one-third to John B. Brady, Washington, D. C.
Original No. 2,131,042, dated September 27, 1938, Serial No. 42,703, September 28, 1935. Application for reissue August 3, 1940, Serial No. 351,074
20 Claims. (Cl. 177—337)



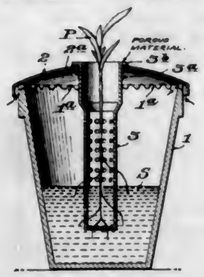
1. In a system for controlling the movement of vehicular traffic, a traffic control device having a plurality of distinctively colored traffic signal lights disposed so as to effect control of traffic in a particular lane, a radio transmitter for effecting spacial transmission of an emitted radio wave along said lane, a control signal generator for modulating said radio wave by a signal having a frequency F1 when one of said distinctively colored traffic signal lights of said traffic control device is in operation and by a signal having a frequency F2 when another of said distinctively colored traffic signal lights of said traffic control device is in operation, a switch to select for actuation one or the other of said traffic signal lights and simultaneously to select the frequency of said control signal associated with said traffic signal light, and a radio receiver disposed on a vehicle proceeding in said lane, said receiver having attached thereto correspondingly colored signal lights controlled by frequency discriminating devices connected so as to effect actuation of either of said lights dependent on the particular frequency of the signal modulating said radio wave.

21,819
POWER MOWER
Alfred Korsmo, Hopkins, and Martin Ronning, St. Louis Park, Minn., assignors to Minneapolis-Moline Power Implement Company, Minneapolis, Minn., a corporation of Delaware
Original No. 2,155,716, dated April 25, 1939, Serial No. 139,708, April 29, 1937. Application for reissue August 25, 1939, Serial No. 291,950
40 Claims. (Cl. 56—25)



1. A mower for attachment to a tractor or the like comprising a frame pivotally connected at one side to the tractor, fore and aft wheels supporting the other side of the frame and with freedom for self adjusting movement with the ground surface in the direction of travel, a releasable draft connection between said other side of the main frame and the tractor, and a cutting device attached to and extending transversely beyond the said other side of the main frame.

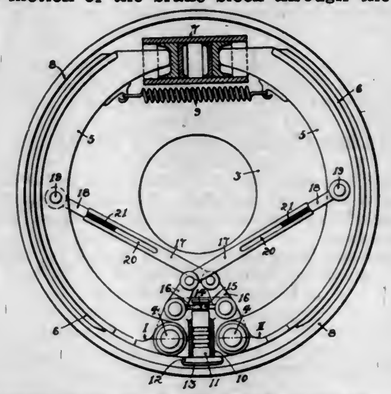
21,820
FLOWERPOT FOR WATER-CULTURED PLANTS
William P. Munsell, Riverside, Ill.
Original No. 2,205,303, dated June 18, 1940, Serial No. 212,814, June 9, 1938. Renewed May 3, 1940. Application for reissue November 20, 1940, Serial No. 366,482
14 Claims. (Cl. 47—1.2)



14. A flowerpot or tank for water-cultured plants comprising a receptacle adapted to hold a nutrient solution; a cover for the receptacle; and one or more cylinders of porous material mounted in the cover with their lower ends extending down into the solution and adapted to support the entwined roots of plants contained therein, the solution being fed by capillary attraction to the upper portions of the cylinders.

21,821
AUTOMATIC ADJUSTMENT FOR BRAKES
Ernst Trachsel, Zurich, Switzerland, assignor of sixty per cent to Walther Huessy, Aarburg, Switzerland
Original No. 2,183,416, dated December 12, 1939, Serial No. 192,053, February 23, 1938. Application for reissue August 31, 1940, Serial No. 355,105. In Switzerland March 2, 1937
21 Claims. (Cl. 188—79.5)

1. In a brake assembly, a feeler member mounted upon the brake backplate and movable towards the brake drum, a brake block movable toward the brake drum, an adjusting member adjustable as to effective length under tension and connected to the brake block, and means mounted upon the brake backplate adapted to transmit the motion of the brake block through the adjustment member to the feeler member, until the latter makes contact with the brake drum.



PLANT PATENTS

GRANTED JUNE 3, 1941

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

470
SANSEVIERIA
William Walter Smith, Jr., New Orleans, La., assignor, by mesne assignments, to Sylvan Hahn, Pittsburgh, Pa.
Application July 18, 1940, Serial No. 346,220
1 Claim. (Cl. 47—59)

A new and distinct variety of Sansevieria plant substantially as shown and described, characterized particularly by its definitely flat spiral growth; its broad, short-pointed leaves with alternating metallic and green indefinite bands; and its ability to reproduce true by leaf cuttings as well as by suckers.

471
CLEMATIS
Edwin Beckett, Red Bank, N. J.
Application June 20, 1939, Serial No. 280,073
1 Claim. (Cl. 47—60)

The new and distinct variety of clematis substantially as shown and described characterized by the color of flower and foliage.

472
CLEMATIS
Edwin Beckett, Red Bank, N. J.
Application June 20, 1939, Serial No. 280,074
1 Claim. (Cl. 47—60)

The new and distinct variety of clematis substantially as shown and described characterized by the color of flower and vegetative parts.

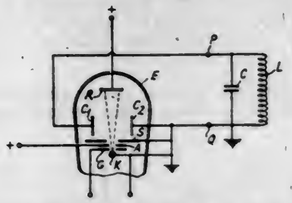
473
PEACH TREE
Benjamin Harrison Haley, Lakeside, Calif., assignor to Armstrong Nurseries, Inc., Ontario, Calif.
Application October 26, 1939, Serial No. 301,495
1 Claim. (Cl. 47—62)

A new and distinct variety of peach tree of the general type of the J. H. Hale with qualities in combination substantially as shown and described, characterized particularly by its great vigor; its later ripening date; its consistency in producing an unusually large crop of fruit each year; and its somewhat elongated fruit of pleasing flavor, large size, exceedingly deep yellow color, and excellent shipping qualities.

PATENTS

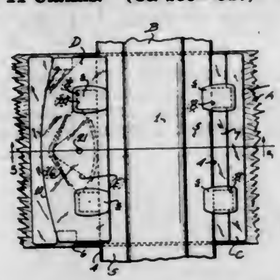
GRANTED JUNE 3, 1941

2,243,829
FIXED PLATE VARIABLE CAPACITY CONDENSER
George Fairburn Brett, Chelmsford, and Nyman Levin, Finchley, London, England, assignors to Radio Corporation of America, a corporation of Delaware
Application November 18, 1939, Serial No. 305,090
In Great Britain November 12, 1938
2 Claims. (Cl. 178—44)



1. A system for electronically varying the capacity of a condenser, comprising an electron discharge tube having within an evacuated envelope a cathode, a control grid and an accelerating electrode constituting an electron gun which produces a concentrated beam of electrons, a collector electrode positioned to receive the beam from said gun, a pair of plate electrodes constituting the condenser the capacity of which is to be electronically varied situated one on each side of said beam and disposed in the space between said gun and said collector electrode, a screen electrode at cathode potential between the condenser plate electrodes and the electron gun, and means for varying only the beam intensity without deflecting the beam whereby the capacity between the condenser plate electrodes is altered.

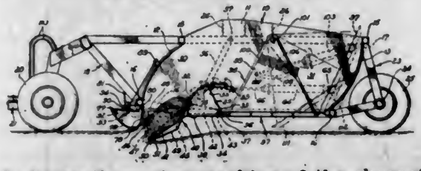
2,243,830
RAIL ANCHOR
Samuel C. Baughn, East St. Louis, Ill.
Application November 4, 1939, Serial No. 302,827
11 Claims. (Cl. 238—317)



1. A railway rail anchor comprising, in combination, a tie-plate having a longitudinal rib of engagement with a side face of one portion of the rail flange, an anchor plate removably engageable with said tie plate adjacent the opposite portion of the rail-flange, means on the anchor plate for grippingly engaging said rail-flange portion along its upper face, spring-pressed means operatively mounted in the anchor plate for engagement with said rail-flange portion along its side face, and means for securing the anchor plate to the tie.

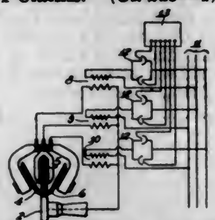
11. A railway rail anchor comprising a body-member having a downwardly and sidewardly opening recess, said recess being provided in its top wall with an inwardly facing shoulder, and cam means rockably mounted in the recess and resiliently urged outwardly for normally engaging the rail flange and being adapted for engagement in retracted position with the shoulder for shipment and storage.

2,243,831
SCRAPER
Leo Berner, Huntington Park, Calif.
Application May 23, 1939, Serial No. 275,173
17 Claims. (Cl. 37—4)



9. An earth-moving machine of the character described having in combination: a receiving compartment having front, rear, and side walls; a separate storage compartment having front, rear, and side walls; a movable scraper blade normally at the bottom of said receiving compartment in a position to direct earth from below into said receiving compartment; and power means to move said scraper blade periodically upward into said receiving compartment to transfer earth from the receiving compartment to said storage compartment.

2,243,832
WELDING APPARATUS AND METHOD
Donald I. Bohn, Pittsburgh, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 16, 1938, Serial No. 214,030
11 Claims. (Cl. 219—4)

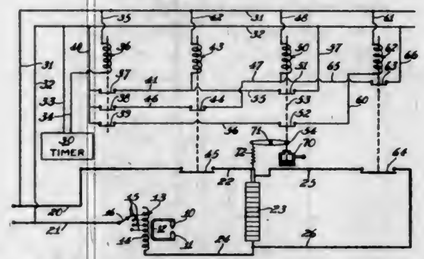


7. In a method of making a multiple spot, lap-welded joint in thin gauge metal, the steps comprising coating the weld surfaces of the metal with a slow-drying adhesive, effecting a predetermined, selected pattern of spot-welds before said adhesive sets, said spots being disposed in parallel rows with the spots in adjacent rows disposed in staggered relationship, controlling the intensity of electrical current input to each weld, whereby the characteristics of the metal incorporated in each weld is confined to that area

immediately adjacent each weld and otherwise providing areas of metal between the spots rendered fluid impervious by the adhesive and unaffected by welding heat.

11. In an apparatus of the character described a plurality of electrodes in juxtaposition connected respectively to terminals of an electric current supply, an electrode opposed to said first mentioned electrodes connected to opposed terminals of said current supply, and means for passing electric current through each of said juxtaposed electrodes in fractions of cycles of welding current at spaced intervals.

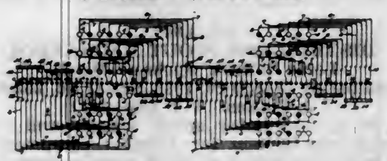
2,243,833
TRANSIENTLESS TIMER
Donald I. Bohn, Pittsburgh, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 15, 1939, Serial No. 268,107
13 Claims. (Cl. 219—4)



1. A method of resistance welding with alternating current in which harmful transients are substantially eliminated comprising timing a multi-cycle interval in which power is applied to the work, initially energizing the work circuit at a voltage substantially reduced from normal value, gradually and quickly raising the voltage to normal value, and maintaining the voltage at normal value throughout the greater portion of the power interval.

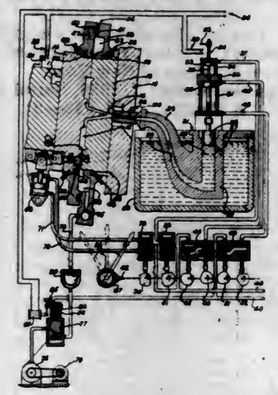
13. In an electrical resistance welding system, a primary circuit adapted to be connected across a source of power, a secondary circuit adapted to be connected across the work, a welding timer, and means electrically connected with and actuated by said timer during the welding interval controlled thereby for adjusting the potential of the welding power in the system.

2,243,834
KEYBOARD FOR MUSICAL INSTRUMENTS
Saturnino Tofé Bonilla, New York, N. Y.
Application April 8, 1940, Serial No. 328,437
3 Claims. (Cl. 84—423)



1. A musical instrument comprising a frame and an action which includes a plurality of members and a series of individually movable exposed main keys connected respectively to said members and respectively operating said members, said main keys being located in a longitudinal series, a baseboard overlying said keys and connected to said frame, levers pivotally connected to said baseboard, movable supplemental keys located above said levers, said supplemental keys being respectively connected to said levers and respectively operating said levers, plungers slidably mounted in said baseboard, each plunger overlying a respective main key and operating said respective main key when said plunger is depressed, each lever being associated with a respective plunger to operate said plunger, each lever extending longitudinally from the respective supplemental key and operating a plunger which is longitudinally spaced from the respective supplemental key.

2,243,835
DIE CASTING MACHINE
Anton J. Brunner, Congress Park, and Bruno M. A. Trebes, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 10, 1939, Serial No. 278,386
5 Claims. (Cl. 22—73)

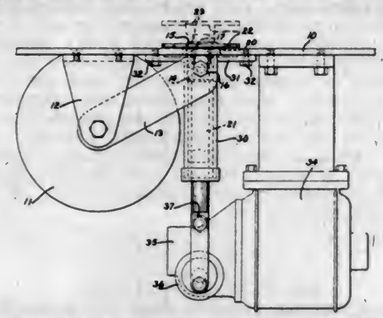


1. In a die casting machine including a die having a casting cavity, a die charging means comprising a charging cylinder having an inlet port for material to be cast and a discharging passage communicating with said die cavity, a reciprocable plunger in said cylinder, means for imparting an intial movement to said plunger to close said inlet port and advance the casting material into said discharging passage and thereby expel the air therefrom, means actuated by said plunger moving means upon the completion of said initial movement for evacuating said die cavity, and means for thereafter imparting further movement to said plunger to forcibly inject the casting material into the evacuated die cavity.

2,243,836
MAGNETIZING APPARATUS
Raymond W. Brown, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application June 10, 1939, Serial No. 278,385
3 Claims. (Cl. 175—21)

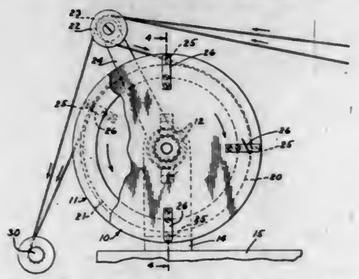
1. The combination with a magnetizer having an energizing coil and pole shoes associated with said coil, of means for accurately controlling the location of the poles in a blank to be magnetized comprising a table apertured to receive the extending ends of the pole pieces, a reciprocatable carriage having apertures therein through which the pole pieces may extend, and means for re-

ciprocating said carriage to move a blank to be magnetized into and out of engagement with the



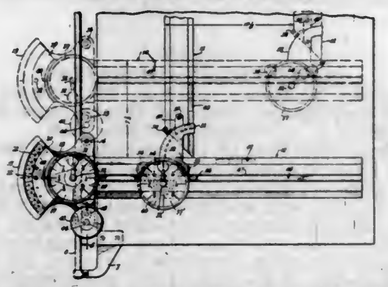
portions of the pole pieces extending through the carriage.

2,243,837
METHOD OF AND APPARATUS FOR WINDING ELECTRICAL COILS
Arthur G. Bugler, Hinsdale, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 7, 1939, Serial No. 293,691
6 Claims. (Cl. 242—9)



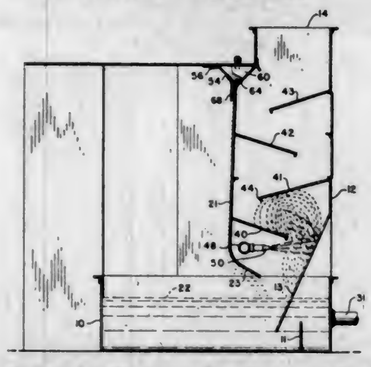
1. The method of winding electrical coils, which comprises the steps of transferring a predetermined length of wire from a supply thereof to a storage member, and then winding a coil having a plurality of doubled turns by simultaneously withdrawing wire from the supply and the storage member.

2,243,838
DRAFTING MACHINE
Harry G. Cunningham, Los Angeles, Calif.
Application August 7, 1939, Serial No. 288,759
15 Claims. (Cl. 33—76)



1. A measuring device for the straight-edge of a drawing board comprising a rotatable member adapted to be rotated with movement of said straight-edge, a pointer frictionally connected with said rotatable member, an indicia dial associated with said pointer, a housing for enclosing said dial and pointer, means mounted on said housing coaxially with said rotatable member for contacting said pointer for the adjustment thereof, and means for preventing rotation of said rotatable member with movement of said straight-edge.

2,243,839
SPRAY BOOTH
Alfred J. Dalton, Detroit, Mich., assignor to Industrial Sheet Metal Works, Inc., Detroit, Mich., a corporation of Michigan
Application May 23, 1940, Serial No. 336,697
6 Claims. (Cl. 183—24)

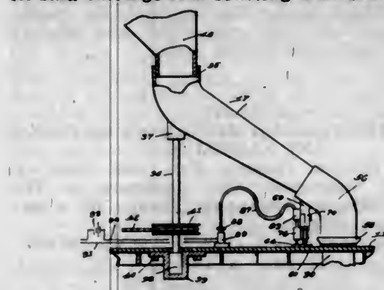


5. Apparatus for removing from an air stream suspended foreign material comprising a water carrying reservoir, an upright casing superposing said reservoir and forming an air passageway having an air inlet at the lower end adjacent to the reservoir and an air outlet at the upper end, said casing provided interiorly with a pair of vertically spaced baffles extending inwardly from opposite walls of the casing and inclining downwardly such as to form a converging air space therebetween, means for directing streams of water generally horizontally across and immediately adjacent to the entrance to the converging space between said baffles, a surface disposed to receive said streams of water and so inclined with respect to said streams of water that without any movement of air in the casing the surface acts to deflect the water thus received into the entrance to the converging space between the baffles, and means causing an air stream to enter at the inlet and flow upwardly through said streams of water and through the converging space between said baffles.

2,243,840
DISTRIBUTOR SPOUT MECHANISM
Louis Delivuk, Spokane, Wash.
Application March 20, 1939, Serial No. 262,922
8 Claims. (Cl. 193—23)

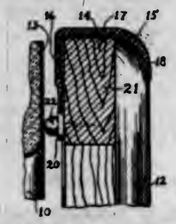
6. In a distributor spout section and track carriage mechanism for elevator equipment of the class described, a track of circular form having registering elements, an elbow of heavy durable material overhanging said track and adapted to form the discharge end of a distributor spout, a carriage having wheels running on said track and being rigidly secured to a subjacent portion of said elbow substantially directly above said track to support said elbow at

a fixed level of travel, and mechanism mounted on said carriage and coacting with said register-



ing elements for arresting and retaining said carriage at definite points along said track.

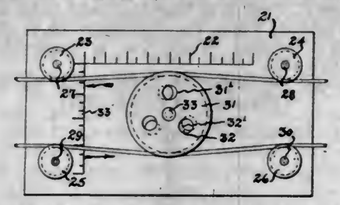
2,243,841
CABINET ACCESSORY
Carmen Di Bella, Philadelphia, Pa.
Application April 10, 1940, Serial No. 328,884
2 Claims. (Cl. 45—137)



1. A rubber shield for protecting the ledge-like upper edge portion of a protruding cabinet panel comprising an elongated inverted trough-like portion open at the bottom and adapted to be applied to the upper edge portion of said panel and including a rear wall, an upper wall and a front wall generally in juxtaposition with said rear wall, said walls being integral with each other, a pair of opposed pocket-like corner portions at the opposite ends of said trough-like portion integral therewith and adapted snugly to receive the upper corner portions of said panel, and a series of securement tabs extending downwardly from said rear wall and adapted to be permanently fastened to the rear of said cabinet panel by any suitable attachment means, whereby said shield may be generally permanently secured to said panel by means normally concealed from view.

2,243,842
DEVICE FOR INDICATING SPRINGINESS OF STRANDS
Richard Lee Fearn, Rockville, Md., assignor to Syncro Machine Company, Newark, N. J., a corporation of New Jersey
Application April 8, 1939, Serial No. 266,901
8 Claims. (Cl. 265—1.6)

8. In a strand hardness indicating device, means for supporting a strand at spaced points so that it may be moved tangentially between said points in the direction of its length while engaging said supports, means movable in either direction parallel to the tangential path of movement of the strand and engaging said strand between said spaced supports so as to deflect it transversely of its path of movement, fixed indicating means the position with respect to which said movable means takes indicating the stiffness of said strand and which movement results by reason of the engagement of said movable means

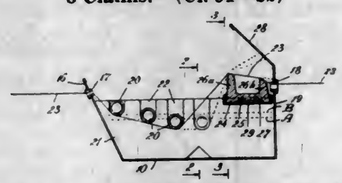


with the strand, and means for holding the movable means in contact with said strand.

2,243,843
MANUFACTURE AND TREATMENT OF TEXTILE FABRICS
Donald Finlayson, Ernest Leslie Greenwood, and Thomas Pride Dee, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 1, 1938, Serial No. 232,898. In Great Britain October 12, 1937
3 Claims. (Cl. 28—1)

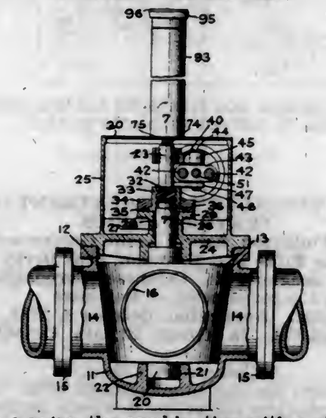
1. Process for the production of crepe fabrics which comprises subjecting a woven fabric containing a weft made by highly twisting a regenerated cellulosic yarn of high tenacity and a warp of low twist yarn of an organic ester of cellulose to a liquid treatment adapted to cause said weft to cockle, said treatment comprising subjecting the fabric to the action of a hot aqueous alkaline solution having at the temperature of application a slight swelling effect on the weft and a substantially greater swelling effect on the warp, said solution having an alkalinity at least as high as that of an aqueous solution containing one gram per liter of soda ash.

2,243,844
APPARATUS FOR CONDITIONING THREAD
John Gift, Temple, Pa., assignor to Rosedale Knitting Company, Reading, Pa., a corporation of Pennsylvania
Application January 18, 1940, Serial No. 314,385
8 Claims. (Cl. 91—32)



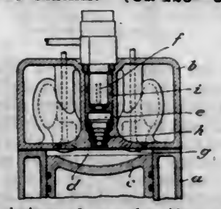
1. A device for conditioning a thread which comprises a vessel for holding a conditioning liquid, means for guiding the thread along a course in which the thread passes beneath the surface of the liquid, means including a sharp edge defined by two planes intersecting at an angle less than 90° located beyond the point where the thread emerges from the liquid for removing excess liquid from the thread, the guiding means for the thread including means located beyond said sharp edge and so positioned with respect thereto as to cause the thread to change direction abruptly as it passes over said sharp edge, whereby excess liquid is removed from the thread at said sharp edge by the scraping action thereof and by the inertia of the liquid carried by the thread.

2,243,845
TAPERED PLUG VALVE INDICATOR
Laurance E. Goit, Los Angeles, Calif., and Eugene C. Brisbane, York, Pa., assignors to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application November 22, 1939, Serial No. 305,598
6 Claims. (Cl. 116—125)



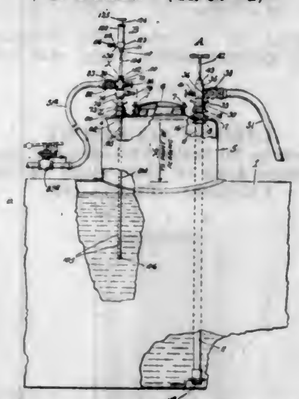
1. In a valve, the combination with a plug having an operating shaft and mechanism operatively associated therewith to effect axial movement of said plug and to also turn the plug, of a pointer operatively connected to said plug rotating mechanism and rotatable with the plug, an opening formed in the pointer, a stationary plate underlying the pointer and having indicia thereon cooperating with said pointer for indicating the position of the plug, and an indicating member operatively connected to the axially moving mechanism of said valve plug and located in the space between said pointer and said plate and having a mark thereon visible through the opening in said pointer and cooperating with a mark on said pointer to indicate the axial position of said plug with respect to the rotational position of the plug.

2,243,846
INTERNAL COMBUSTION ENGINE
Alfons Hofstetter, Gaggenau, Baden, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany
Application April 26, 1939, Serial No. 270,105
In Germany May 2, 1938
15 Claims. (Cl. 123—33)



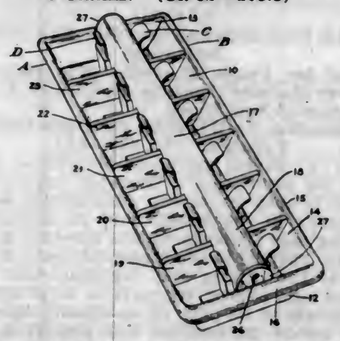
1. In an internal combustion engine of the fuel injection type having a main combustion space, a precombustion chamber, fuel injection means arranged for injecting fuel into said precombustion chamber, and a burner arranged between said precombustion chamber and said main combustion space, said burner having a passage formed with a series of successively restricted cross-sections defining a series of steps the diameters of which decrease toward said combustion space, whereby the tread portions of said steps face toward the fuel injection means and at least one port connecting said passage with said main combustion space.

2,243,847
APPARATUS FOR AND METHOD OF GAUGING AND SAMPLING
Virgil I. Hooper, Gordon, Tex., and Louis G. Hooper, Shreveport, La., assignors to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application January 9, 1939, Serial No. 250,056
15 Claims. (Cl. 62—1)



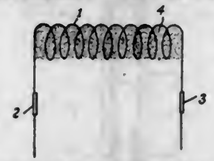
1. The method of gauging the contents of a tank, which includes removably positioning a housing adjacent an opening in said tank while said opening is closed by a closure, temporarily fixing said housing in relation to said tank and in sealed relation to said opening, removing said closure through said housing and thereby putting the interior of said tank thereafter into communication with the interior of said housing, and thereafter gauging or sampling the contents of said tank through said housing while maintaining said housing closed to the atmosphere.

2,243,848
REFRIGERATION
William H. Kitto, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 20, 1938, Serial No. 214,657
9 Claims. (Cl. 62—108.5)



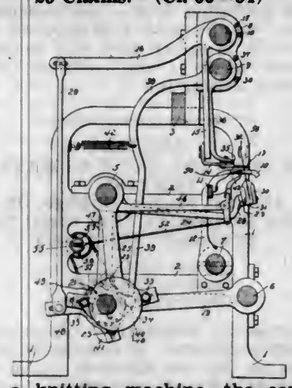
8. In combination, an ice tray, a grid assembly positioned therein to form ice compartments, and a leverage system forming a permanent part of said grid assembly for breaking the bond between the ice and compartment walls, said leverage system being so constructed and arranged that oppositely acting forces may be applied thereto during the breaking of the bond and all reactive forces acting upon said tray other than in a downward direction are balanced within the grid assembly itself.

2,243,849
ELECTRIC LAMP FILAMENT
Anton Kratky, New York, N. Y.
Application February 28, 1940, Serial No. 321,171
10 Claims. (Cl. 176—40)



3. An electric lamp comprising, in combination, a lamp body, a spirally wound metallic filament mounted within said lamp body, and means to retain the spiral turns of the filament in proper relative position comprising a porous expansible and contractible supporting structure containing an oxide of a metal selected from the group consisting of thorium, zirconium and magnesium.

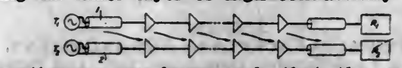
2,243,850
KNITTING MACHINE AND METHOD
Roy C. Amidon, St. Johnsville, N. Y.
Application August 28, 1939, Serial No. 292,360
25 Claims. (Cl. 66—84)



23. In a knitting machine, the combination with mechanism including needles for knitting through a base sheet, of means operating in advance of the needles to open needle passages through the base sheet.

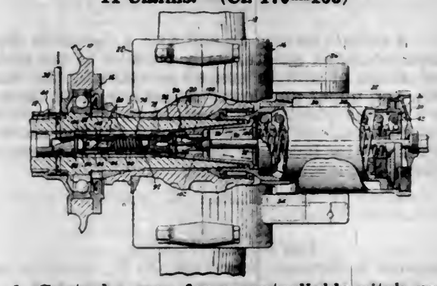
2,243,851
WIRE LINE TRANSMISSION
Richard P. Booth, West Orange, N. J., and Todos M. Odarenko, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 6, 1940, Serial No. 339,036
9 Claims. (Cl. 179—78)

1. A multicircuit signaling system comprising a plurality of sources of different signals to be transmitted, a cable for the long distance transmission of said signals, said cable comprising a plurality of coaxial conductor pairs, each of said pairs comprising an inner conductor and a hollow outer conductor insulated from each other, means for applying the said different signals from said sources to respective ones of said coaxial pairs for long distance transmission therethrough, each of said outer conductors comprising an inner layer of high conductivity and a



contiguous over-layer such that the external surface self-impedance of said over-layer is many times as large as the external surface self-impedance of said inner layer, said cable comprising also a conductor external of said pairs and symmetrically related thereto, said external conductor having a resistance low compared with that of said over-layers, and the surface transfer impedance of said outer conductors with their respective over-layers being so proportioned that the predominant cross-interference coupling is of optimum value.

2,243,852
HYDRAULIC INTERMEDIATE PITCH LIMIT STOP
Frank W. Caldwell, Hartford, and Erle Martin, West Hartford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application July 31, 1937, Serial No. 156,714
11 Claims. (Cl. 170—163)

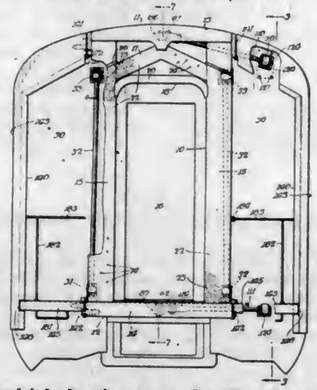


1. Control means for a controllable pitch propeller having a hydraulically actuated pitch changing mechanism comprising, means for supplying hydraulic fluid to said pitch changing mechanism at pressures within either of two different preselected pressure ranges, a governor actuated valve for controlling the supply of hydraulic fluid at pressures within the lower of said ranges to said mechanism to vary the propeller pitch within one range of pitch adjustment, a valve actuated by said mechanism to cut off the supply of hydraulic fluid at pressures within said lower pressure range to said mechanism to render said mechanism ineffective to change the pitch beyond said one range, a pressure responsive valve operative when subjected to fluid pressures within the higher predetermined pressure range to render said mechanism actuated valve ineffective to limit the propeller pitch changes to said one range of pitch adjustment and to admit hydraulic fluid to said mechanism to change said propeller pitch to a different range of pitch adjustment, and a manually operable pilot valve for selecting the pressure range of the hydraulic fluid supplied to said pitch changing mechanism.

2,243,853
METHOD OF INHIBITING CORROSION
James B. Castner, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 9, 1939, Serial No. 255,456
6 Claims. (Cl. 91—68)

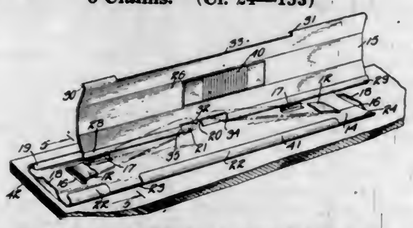
1. A steel body provided with a coating consisting of an inorganic nitrite.

2,243,854
DIAPHRAGM FACEPLATE ARRANGEMENT
Andrew Christianson, Hammond, Ind., and Peter Parke, Chicago, Ill.
Application August 6, 1937, Serial No. 157,672
63 Claims. (Cl. 105—10)



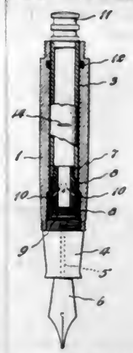
1. A vehicle having an end wall, a faceplate disposed normally substantially parallel to the general plane of and in spaced relation to the end wall, and upper and lower transverse strut members having pivotal connections to the faceplate and end wall for in-and-out and angling movements of the faceplate but positively to prevent lateral displacement thereof.

2,243,855
PAPER FASTENER
Stephen A. Crosby, New York, N. Y., assignor to Speed Products Company, New York, N. Y.
Application November 30, 1937, Serial No. 177,183
8 Claims. (Cl. 24—153)



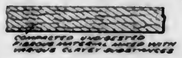
1. In a paper fastener, a frame having a rear hollow bead comprising a terminal defining frame clearance with said frame, a swingable cover having a hollow bead slidably and rotatably but loosely disposed in said frame bead and having a terminal constituting latch clearance with said cover for receiving the terminal of said frame bead to permit rotation of said cover bead in and through said frame clearance, the aforementioned terminal of said cover bead adapted to disconnect from the terminal of said frame bead upon rotation of said cover away from said frame, and abutment means independent of said frame bead and adjacent said cover bead and extending upwardly from said frame and cooperating with said cover bead to prevent said disconnection whereby the terminal of said cover bead interlocks with the terminal of said frame bead.

2,243,856
FOUNTAIN PEN
Afredo W. Doux, New York, N. Y.
Application May 6, 1940, Serial No. 333,651
10 Claims. (Cl. 120—42)



1. In a fountain pen, a writing element, a casing joined to said writing element and having an increased internal diameter at one end, a concentrated ink container movable axially as a piston within said casing and provided with openings to permit the passage of concentrated ink, absorbent material in the increased internal diameter in said casing to take concentrated ink when said container is in a low position in said casing and to mix said concentrated ink with solvent, which is drawn into said casing by the upward movement of said container automatically to form writing ink.

2,243,857
FIBER ARTICLES, SUCH AS MATS AND THE LIKE
Albert C. Fischer, Chicago, Ill.
Application February 26, 1936, Serial No. 65,841
20 Claims. (Cl. 47—9)

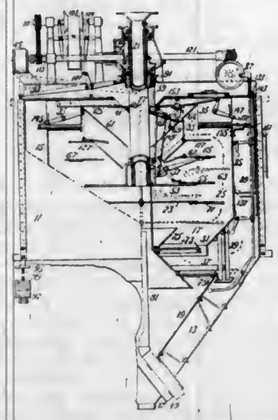


1. A compacted fibrous mat comprising undigested fibrous material in substantial alignment held together by an adhesive mass dispersed throughout said fibrous material.

2,243,858
PRODUCTION OF TEXTILE MATERIALS
Bernard Joseph Flanagan and Albert Mellor, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 29, 1938, Serial No. 198,683. In Great Britain April 23, 1937
9 Claims. (Cl. 8—114)

1. Process for the production of fabrics exhibiting crepe effects, which comprises subjecting a fabric containing high twist yarns of an organic ester of cellulose to over-all saponification to an extent insufficient substantially to affect the dye affinity of said yarns, and thereafter treating the fabric with a creping bath.

2,243,859
FLUID CURRENT SEPARATOR
George Holt Fraser, Brooklyn, N. Y.
Application August 31, 1935, Serial No. 38,777
14 Claims. (Cl. 209—139)



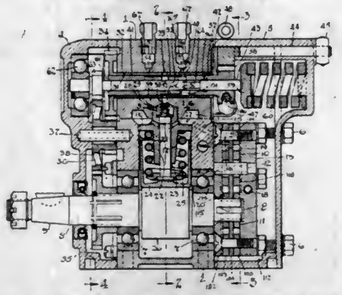
1. In a current separator comprising, a settling chamber, a separating chamber therein having a lower current inlet and an upward current passage and an upper current outlet in communication therewith, blower means for upflowing a fluid current through said passage for separating material therein, and a distributor concentrically within said passage, for supplying material therein to be separated by said current; the combination therewith of a ring of radially adjustable segments within said separating chamber, below said outlet and above said distributor for defining the path through which said current may upflow through said upward passage and having inner and outer current passage edges for up-passing said current past said ring, said segments being radially adjustable across and from one side to another side of said passage from an outer position around said passage, for causing said current to upflow circuitously inwardly of said inner edges for fine separation, to an inward position inwardly of said passage, for causing said current to directly upflow outwardly of said outer edges, for coarse separation.

2,243,860
PROCESS FOR THE MANUFACTURE OF BAKED GOODS
Jacob Freilich, New York, and Charles N. Frey, Scarsdale, N. Y., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application November 3, 1936, Serial No. 108,964
11 Claims. (Cl. 99—90)

1. A process for the manufacture of baked goods which comprises incorporating an ether extractive of egg yolk containing a substantial amount of egg yolk-lecitho-vitellin compound in relatively pure condition with dough ingredients, said extractive being prepared by admixing egg yolk with water, adding an ether, agitating, allowing the thus obtained mass to layer, separating layers, and removing ether therefrom.

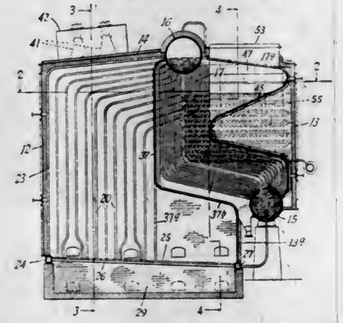
11. A process for the manufacture of baked goods, which comprises incorporating with yeast, flour, water and other dough ingredients an ether extractive of egg yolk containing egg fat and yolk lecitho-vitellin compound in relatively pure condition, forming the mass into a dough, allowing fermentation to take place, and subsequently baking.

2,243,861
APPARATUS FOR SUPPLYING FUEL TO INTERNAL COMBUSTION ENGINES
Richard W. Hautzenroeder, Mansfield, Ohio
Application May 12, 1938, Serial No. 207,490
6 Claims. (Cl. 123—139)



1. As an element of a fuel supply system for internal combustion engines, a combined accumulator and diverter comprising a body having a cylindrical bore, a rotatably driven cylindrical valve mounted in said bore, a rotatably and axially movable cylindrical sleeve within said valve in close-fitting engagement therewith, a spindle adapted to be rotatably driven from the engine and in synchronism with said valve extending into one end of said sleeve, and an axially movable spring loaded plunger extending into the other end of said sleeve.

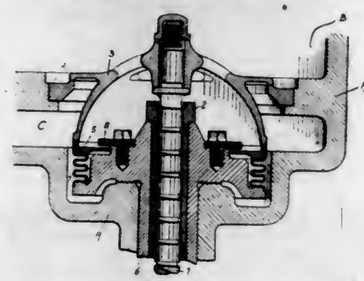
2,243,862
STEAM GENERATOR
Lewis W. Heller, East Orange, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application March 16, 1938, Serial No. 196,120
11 Claims. (Cl. 122—336)



9. A steam generator having walls forming a setting, a horizontally elongated steam and water drum, means forming a furnace chamber in said setting having a lateral extension and partly separated from a convection space in said setting located above said furnace chamber extension,

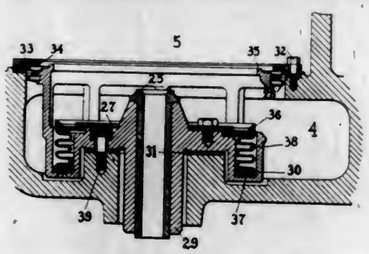
said means including L-shaped steam generating tubes having vertically extending upper portions connected to said drum and closure means cooperating with said L-shaped tubes to form a partition extending downwardly from said drum at the furnace chamber side of said convection space and having a lower portion extending laterally below said convection space, a gas outlet in said partition lower lateral portion connecting said furnace chamber extension to said convection space, fluid heating tubes arranged in said convection space, and baffle means dividing said convection space into serially connected upflow and downflow heating gas passes below the level of said drum and containing said fluid heating tubes.

2,243,863
POPPET VALVE
Thomas J. Hoy, Newark, N. J.
Application August 25, 1939, Serial No. 291,806
4 Claims. (Cl. 121—185)



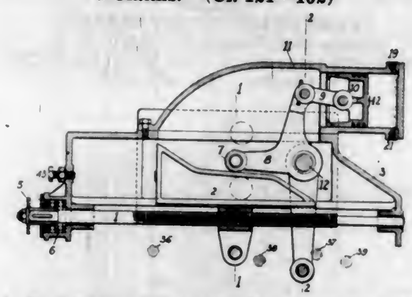
3. In a poppet valve construction, of the character described, having two valve seats, comprising a poppet valve, a stem therefor, one of the valve seatings attached resiliently in a fluid tight manner to the structure surrounding the said poppet valve, through flexible metallic bellows.

2,243,864
CYLINDER CASTING OR CYLINDER BLOCK FOR STEAM ENGINES AND THE LIKE
Thomas J. Hoy, Newark, N. J.
Application September 20, 1939, Serial No. 295,782
8 Claims. (Cl. 121—185)



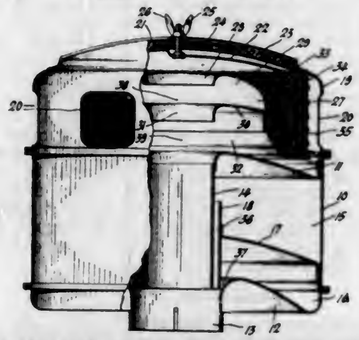
1. In cylinder structure for transmission of power to the main driving wheels of steam locomotives or the like, of the character described, in which the distribution of the steam is effected under the control of cam operated poppet valves of the double seat type, comprising inlet poppet valve cages and exhaust poppet valve cages for each power cylinder, means to render such valve cages immune against distortions within the cylinder structure.

2,243,865
POWER REVERSE GEAR FOR STEAM LOCOMOTIVES AND THE LIKE
Thomas J. Hoy, Newark, N. J.
Application January 30, 1940, Serial No. 316,398
4 Claims. (Cl. 121—162)



1. In power reverse gear for steam engines or steam locomotives of the character described, in which the movements of two or more sets of valve gear reversing mechanisms are co-ordinated by means of a variable ratio transmission actuated through a single manual control in the cab, said variable ratio transmission comprising a threaded shaft, a sliding cam-nut, a roller held permanently in contact with the cam profile of said sliding cam-nut, a lever carrying the said roller, means to connect the said sliding cam-nut and the said lever to the two or more respective sets of valve gear reversing mechanism.

2,243,866
INTAKE SILENCER AND AIR CLEANER
Herbert G. Kamrath, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 20, 1935, Serial No. 50,745
3 Claims. (Cl. 181—48)



1. In an appliance of the class disclosed, a member shaped generally like a brimmed hat and imperforate except for an orifice of smaller diameter than its crown in the top of its crown, a member in which there is an orifice joined to the outer and spaced from the inner edge of the brim of the first-specified member with the orifice in it alined with the orifice in the first-specified member to define a duct through which gases and sound waves may travel, and an annular partition which is disposed between the second-specified member and the top of the crown of the first-specified member with the orifice in it alined with the orifices in the first and second-specified members and subdivides the recess

bounded thereby lengthwise into sound wave attenuating recesses which open radially into the duct.

2,243,867
EGG COMPOSITION
Morris Katzman, Chicago, Ill., assignor to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application March 22, 1939, Serial No. 263,413
20 Claims. (Cl. 99—113)

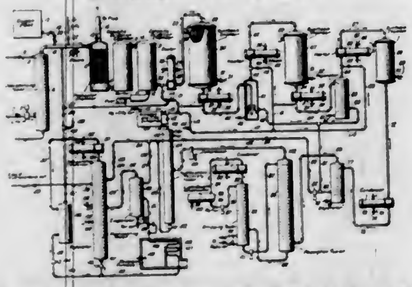
3. A product consisting essentially of egg material and containing a proportion of a reaction product of meta-phosphoric acid with an alcohol in the form of a polyhydroxy substance wherein the hydrogen of at least one hydroxy group of said polyhydroxy substance is replaced by an aliphatic radical containing at least four carbon atoms.

16. A product consisting essentially of beatable protein and containing a proportion of a reaction product of meta-phosphoric acid with an alcohol containing at least four carbon atoms.

2,243,868
CAKE
Morris Katzman, Chicago, Ill., assignor to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application March 22, 1939, Serial No. 263,414
22 Claims. (Cl. 99—92)

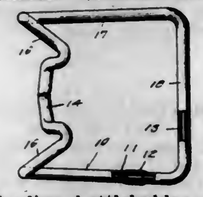
1. A non-shortening-containing cake of the angel food type containing flour, beatable protein, sugar, moisture, and a proportion of a reaction product of metaphosphoric acid with an alcohol containing at least four carbon atoms.

2,243,869
METHOD OF SYNTHESIZING LIQUID HYDROCARBONS
Percival C. Keith, Jr., Peapack, and John T. Ward, Union County, N. J., and Dustin W. Wilson, Scarsdale, N. Y., assignors to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application January 26, 1937, Serial No. 122,340
2 Claims. (Cl. 196—10)



1. A method of converting light hydrocarbon gases into liquid hydrocarbons including the steps of subjecting a light hydrocarbon gas to a catalytic oxidation reaction at temperatures in excess of 1000° F. to convert it into a mixture of carbon monoxide and hydrogen, synthesizing said mixture of carbon monoxide and hydrogen to liquid hydrocarbons in the presence of a catalyst at temperatures between 375° F. to 425° F. separating liquid hydrocarbons from gases, separating said gases into unreacted carbon monoxide and hydrogen and gaseous hydrocarbons, subjecting part of said gaseous hydrocarbons to a pyrolytic conversion step at temperatures in the vicinity of 1000° F., fractionating said pyrolytically converted gases in a fractionating zone together with said synthesized liquid hydrocarbons previously separated, withdrawing a portion of the condensate from said fractionating zone as final product desired, withdrawing the heaviest fraction of the condensate from said fractionating zone and subjecting it to pyrolytic conversion, and fractionating the products of said pyrolytic conversion in said fractionating zone.

2,243,870
BABY FEEDING BOTTLEHOLDER AND TEETHER
Justin A. Klaus, St. Louis, Mo.
Application April 20, 1939, Serial No. 268,992
4 Claims. (Cl. 248—107)



4. A baby feeding bottleholder comprising a frame formed of a single strand of wire joined at its ends, said frame including a substantially U-shaped base, said base having an upwardly bowed intermediate portion, arms formed integral with the ends of the base and projecting upwardly in converging relationship, said arms being disposed at acute angles to the base, and said arms terminating in a depending substantially semicircular portion for frictionally engaging a bottle with its neck extending in either direction therefrom, said semi-circular portion being disposed above and adjacent one end of the base.

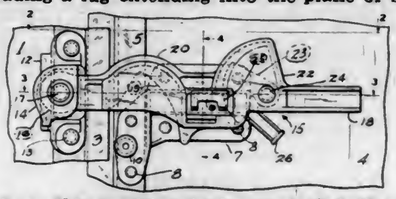
2,243,871
METHOD OF MAKING PROTEIN PRODUCTS
James N. Lawrence and Russell H. Hieronymus, Cincinnati, Ohio, assignors to The Drackett Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application March 9, 1937, Serial No. 129,920
14 Claims. (Cl. 260—112)

14. The direct and selective process for producing isolated proteins of high adhesive strength and low viscosity which comprises the initial step of subjecting comminuted oleaginous seed material from which the oil has been largely removed with a dilute amine solution comprising amines selected from the group consisting of watersoluble aliphatic amines and amino alcohols for placing the selected protein in solution in substantially unaltered condition.

2,243,872
SLIDING DOOR FASTENER
Ernest A. Le Beau, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application August 5, 1938, Serial No. 223,165
6 Claims. (Cl. 292—285)

1. In a holding device for a sliding door, a hasp arranged for pivotal mounting upon a door member or a door post member and having a

pocket between its ends, a latch housed in said pocket and pivoted to the sides thereof, said latch having an arcuate face disposed eccentrically about its pivot, a lock arranged for mounting upon the other of said members and including a lug extending into the plane of said



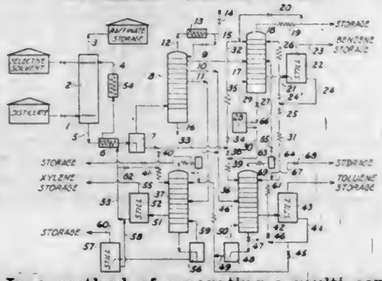
latch and in position to be contacted thereby with a line between the pivots of said hasp and latch passing above the level of the point of contact between said latch and lug whereby the thrusts between the latter will tend to hold them more securely in contact with each other rather than to dislodge them from each other.

2,243,873

METHOD FOR SELECTIVE SOLVENT EXTRACTION

Arthur L. Lyman, Berkeley, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

Application February 7, 1938, Serial No. 189,162
10 Claims. (Cl. 260—674)



1. In a method of separating a multi-component mixture of carbon compounds into at least two fractions of different chemical characteristics, the steps which comprise extracting said mixture in liquid phase with a selective solvent, separating said selective solvent with its dissolved components from the undissolved carbon compounds, vaporizing said dissolved compounds from said selective solvent, passing said vaporized compounds through a treating zone, passing a high boiling liquid phase selective solvent through said treating zone, maintaining said selective solvent at a temperature above the initial boiling point of the mixture in the treating zone, removing an undissolved vapor phase from said zone, removing the high boiling selective solvent together with compounds dissolved from said vapor phase, and recovering said latter dissolved compounds.

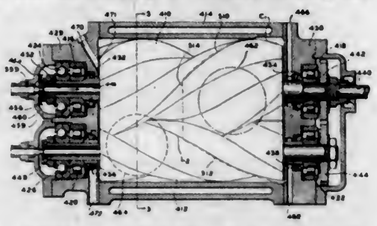
2,243,874

ROTARY COMPRESSOR

Alf Lysholm, Stockholm, Sweden, assignor to Aktiebolaget Milo, Stockholm, Sweden, a corporation of Sweden

Application October 14, 1935, Serial No. 44,935. Renewed August 3, 1940. In Sweden October 16, 1934
13 Claims. (Cl. 230—150)

1. A compressor of the rotary screw type including a casing having an inlet and an outlet for the medium to be compressed, a male rotor and a female rotor mounted for rotation in said casing, said rotors having intermeshing lobes and grooves, respectively cooperating with each other and with the internal surface of the casing to form compression spaces which are progressively displaced axially of the compressor upon rotation of said rotors, each of said compression spaces registering successively with said inlet and with said outlet in different positions of rotation of the rotors and decreasing in volume during the in-



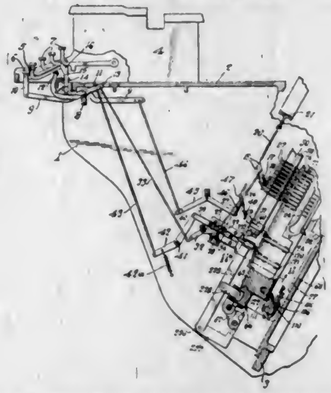
terval between registration with the inlet and registration with the outlet, there being radial clearance to provide radial space packing between the rotors and the casing, and means connecting said rotors for maintaining the surfaces of the intermeshing lobes in peripheral spaced relation to provide space packing between said surfaces, said compressor being constructed for normal operation of the rotors at a speed such that the peripheral rotor speed at the place of greatest rotor diameter in the compressor is greater than maximum permissible speed between frictionally contacting sliding surfaces.

2,243,875

COMPOSING MACHINE

Chester A. Macomic, Chicago, Ill.

Application December 16, 1939, Serial No. 309,629
20 Claims. (Cl. 276—8)



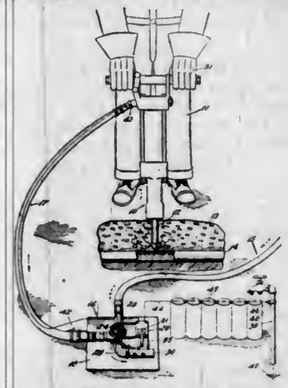
1. In a composing machine, a typewriter and pattern bed, a plunger carriage movable across the pattern bed in coordination with the movement of the typewriter carriage, the plunger carriage having a plurality of plungers, one for each pin in a line of pins in the pattern bed, a shift key on the typewriter, and a motion-transmitting mechanism interposed between each key of the typewriter and two of the plungers in the plunger carriage, means controlled by the shift key for selectively determining which of the two plungers will be actuated by the typewriter.

2,243,876

PNEUMATIC TOOL SAFETY VALVE

Everett B. Maddox, Hyattsville, Md.

Application January 13, 1941, Serial No. 374,275
10 Claims. (Cl. 121—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A safety valve for use in the pressure supply line to a pneumatic tool, said valve comprising a three-way valve body connected in the pressure supply line and dividing it into a source of supply pressure line and a pneumatic tool pressure line, one way of said valve body being connected to said source of supply pressure line, a second way of said valve body being connected to said pneumatic tool pressure line, a pressure exhaust connected to the third way, a valve plug in said valve body connecting said pneumatic tool pressure line way to either said valve body exhaust way or to said source of supply line pressure way, yieldable means normally urging said valve plug to the position disconnecting the source of supply pressure line way and connecting said pneumatic tool pressure line way to said exhaust way, cockable trigger means holding said valve against yielding to said yieldable means, and a circuit for tripping said trigger means.

8. A safety valve for a pneumatic tool, comprising a valve means, a pneumatic tool pressure line adapted to connect said valve means to the pneumatic tool, means for connecting said valve means to a pressure supply line from a source of pressure, a pressure exhaust connected to said valve means, said valve means being adapted to connect said pneumatic tool pressure line to either said pressure exhaust or to said pressure supply line and simultaneously to disconnect the other, a control means for said valve means, releasable means holding said control means in the position connecting said pressure supply line to said pneumatic tool pressure line and disconnecting said exhaust therefrom, yieldable means normally urging said valve means to the position disconnecting said pressure supply line and connecting said pneumatic tool pressure line to said exhaust, and means for actuating said releasable means.

2,243,877

PRODUCTION OF TEXTILE MATERIALS

Ralph James Mann and Albert Mellor, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 1, 1938, Serial No. 232,896. In Great Britain October 14, 1937
2 Claims. (Cl. 28—1)

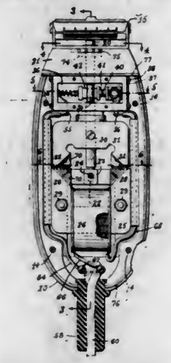
1. Process for the production of crepe effects on fabrics containing high twist yarns of regenerated cellulose and high tenacity yarns of regenerated cellulose, said high tenacity yarns having been made by stretching yarn of an organic ester of cellulose under the influence of wet steam or hot water and completely saponifying the stretched yarn, which comprises treating the fabric for 5 to 10 minutes at ordinary temperature with an aqueous solution of an alkali metal hydroxide in a concentration of 4 to 10% so as to cause said high twist yarns to cockle.

2,243,878

MOTOR

Angus A. Martin, Winsted, Conn.

Application August 31, 1938, Serial No. 227,757
11 Claims. (Cl. 172—36)



1. An electric motor comprising a field magnet having a plurality of relatively spaced poles extending outwardly therefrom and terminating in end portions, an energizing coil associated with the magnet, an armature having a plurality of relatively spaced poles terminating in end portions opposed to and arranged to cooperate with the end portions of the field poles in end to end relation, the armature being mounted to rotate on an axis located equal distances from the field poles and equal distances from the armature poles and extending longitudinally of the poles, and make and break contacts in the coil circuit under control of the armature rotation, the cooperating end portions of the poles being shaped to leave a substantially uniform spacing between the end portions of the armature poles and the cooperating end portions of the field poles along their side edges as the former approach and recede from the latter upon rotation of the armature.

2,243,879

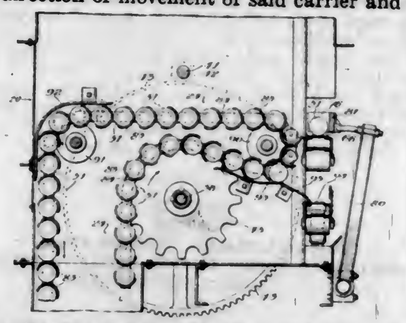
CONVEYER FOR PASTEURIZERS

George L. N. Meyer, Milwaukee, Wis., assignor to George J. Meyer Manufacturing Company, Cudahy, Wis., a corporation of Wisconsin

Application June 24, 1937, Serial No. 150,061
8 Claims. (Cl. 198—131)

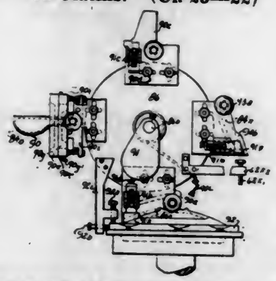
1. In a conveyer of the character described, a carrier chain, a first carrier adapted to receive a plurality of containers to be carried, said carrier having a convex back, means to fasten said carrier to a link of the carrier chain, with the carrier fixed relative to said link, a second carrier adapted to receive a plurality of containers to be carried, said second carrier having a convex back, means to fasten said second carrier to a link of the carrier chain ahead of said first carrier, the convex back of said second carrier serving to re-

tain the container within the first carrier, and a sprocket wheel of predetermined radius to change the direction of movement of said carrier and to



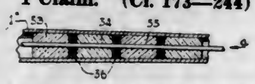
rotate the links relative to each other to permit a container to be inserted in or removed from said first carrier.

2,243,880
METHOD OF AND APPARATUS FOR MANUFACTURING POTTERY WARE
William J. Miller, Swissvale, Pa.
Original application March 1, 1929, Serial No. 343,693. Divided and this application March 20, 1936, Serial No. 69,776
61 Claims. (Cl. 25—22)



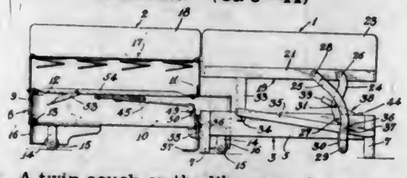
23. In apparatus for manufacturing diversified potteryware, a dryer, a mold conveyor, a fabricating machine mounted in conjunction with a conveyor having a multiple of preforming heads, each having a surface contour corresponding to that of a particular mold, means for alternating the heads at the preforming position as molds for different kinds of ware are presented thereto, a jiggering machine including a multiple of profiles each having an edge surface corresponding to that of a particular ware shape to be produced, and means for alternating said profiles so as to bring the corresponding profile into profiling position as the corresponding mold is presented thereto.

2,243,881
METHOD FOR MAKING RADIO SHIELDED CONDUCTORS
Melville F. Peters, Beltsville, Md., and R. Harry Stone, Bound Brook, N. J., assignors to Titeflex Metal Hose Co., a corporation of New Jersey
Application January 18, 1938, Serial No. 185,602
1 Claim. (Cl. 173—244)



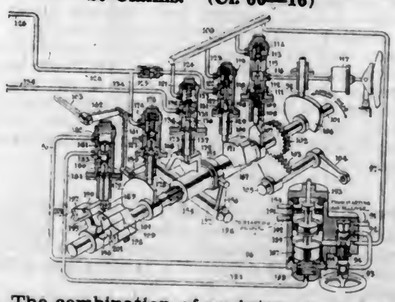
The method of insulating a conductor contained in a metal tube which consists in spacing the conductor from the tube by spaced preformed insulators, said insulators being out of contact with each other, with insulation between them, said insulation requiring pressure and heat for its molding, the said insulators being slidable in said tube, and subjecting the insulators and insulation to pressure longitudinally of the tube and to heat.

2,243,882
TWIN UNIT COUCH
Ira M. Pink and Victor John Bergstrom, Chicago, Ill., assignors to Superior Felt & Bedding Co., Chicago, Ill., a corporation of Delaware
Application January 6, 1939, Serial No. 249,578
6 Claims. (Cl. 5—44)



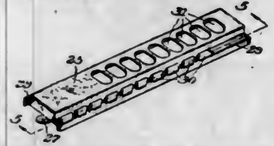
1. A twin couch or the like comprising, in combination, a generally rectangular and low stationary base embodying transverse end members, a first couch section presenting a generally horizontal seating surface and shiftable from a position overlying said base to a second position clear of the same, a second couch section embodying a frame, means supporting said frame on said base for swinging movement from an upright back rest position at the rear of said base to a horizontal sleeping surface position over said base, said last named means including a linkage mechanism pivotally connected to the rear portion of said frame and to said base, a pair of legs pivoted on said base end members adjacent their front ends, said legs being fashioned of angle iron and arranged to fit snugly about the top edges of said end members when retracted out of the way of said first couch section, and means operable by said linkage mechanism for swinging said legs from their retracted positions into vertical position to support the front of said frame in response to movement of the latter from its upright position to its horizontal position.

2,243,883
MANEUVERING GEAR FOR REVERSIBLE INTERNAL COMBUSTION ENGINES
George E. Ramstad, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 27, 1939, Serial No. 258,777
20 Claims. (Cl. 60—16)



1. The combination of an internal combustion engine having a fluid pressure actuated reversing motor operable to condition the engine for forward and for reverse running; a maneuvering shaft rotatable in each direction from a neutral position; valve means operable to reverse said reversing motor; a cam mechanism operable by reverse rotations of said shaft from said neutral position and effective in limited reversing ranges, one on each side of said neutral position, to operate said reversing valve means reversely; means for arresting rotation of said shaft at the limit of each reversing range until said reversing motor has responded fully to said valve means; and means operable by rotation of said shaft into ranges beyond said reversing ranges to operate said engine.

2,243,884
ADDING MACHINE
Linus J. Ritz, Pittsburgh, Pa., assignor to Wolverine Supply and Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 7, 1939, Serial No. 308,010
2 Claims. (Cl. 235—80)



1. An adding machine slide comprising a U-shaped channel member, the side flanges of the channel member being offset to produce shoulders longitudinally thereof, spaced digit openings in the web portion of the channel member for receiving means to move the slide, and a gear rack formed in the offset shoulder along one side of the channel member.

2,243,885
SUPPORTING SURFACE FOR AIRCRAFT
Andre Schweisch, Paris, France
Application August 4, 1938, Serial No. 223,135
In Luxembourg August 7, 1937
15 Claims. (Cl. 244—42)



2. An aircraft which comprises, in combination, a body, at least one supporting surface, associated with said body, having a slotted portion constituted by a front element and a rear element each of a chord length equal to at least 60 per cent of the total chord length of said portion of the supporting surface, and means for imparting such a fore-and-aft relative displacement to said two elements as to produce no variation of the position of the center of thrust of the whole of said supporting surface with respect to said body, said relative displacement including a forward displacement of the front element with respect to said body, this displacement being of an amplitude such that the leading edge of the rear element can come substantially into the vertical plane of the trailing edge of the front element.

2,243,886
AIRPLANE MOORING ANCHOR
Joseph C. Scott, Dayton, Ohio
Application December 2, 1938, Serial No. 243,604
6 Claims. (Cl. 189—92)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An anchoring device comprising, in combination, a root anchoring element having a piercing portion and having a plurality of deflectable portions integral therewith and extending upwardly and outwardly therefrom, relatively rigid retaining means detachably connected in fixed relation to said anchoring element, a driving element slidably mounted on said retaining means and in abutting engagement with said piercing portion of said anchoring element for driving



the same into the ground and camming means carried by said driving member and adapted to cooperate with said deflectable portions for causing an incipient deflection of the same, said deflectable portions being bendable about an axis in a plane transverse to the longitudinal axis of said piercing portion upon partial outward displacement of the anchoring element while in the earth.

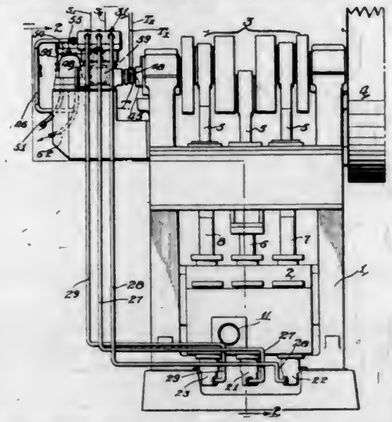
2,243,887
TERTIARY CARBINOLS OF THE CYCLOPENTANO-POLYHYDROPHENANTHRENE SERIES AND A METHOD OF PRODUCING THE SAME
Arthur Serini, Berlin, and Lothar Strassberger, Berlin-Wilmersdorf, Germany, assignors, by mesne assignments, to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application November 7, 1936, Serial No. 109,674. In Germany November 9, 1935
31 Claims. (Cl. 260—397.5)

1. Process for the manufacture of tertiary carbinol of the cyclopentano-polyhydrophenanthrene series which possess on the tertiary carbon atom having a hydroxyl group an unsaturated hydrocarbon radical, comprising reacting a compound of the cyclopentano-polyhydrophenanthrene series containing a keto group in one of the 3 and 17 positions, with an unsaturated hydrocarbon-metal derivative in which the metal is directly bound to a carbon atom, and splitting the reaction products formed by the action of a hydrolysing agent.

2,243,888
FLUID PUMP CONTROL
Llewellyn W. Shelly, Allentown, Pa., assignor to The Aldrich Pump Company, Allentown, Pa., a corporation of Pennsylvania
Application February 12, 1938, Serial No. 190,285
11 Claims. (Cl. 103—40)

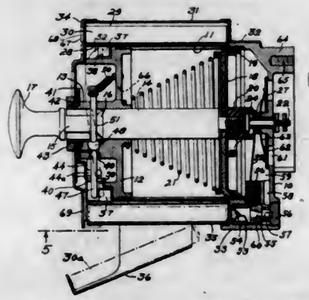
1. The combination with a fluid system including a reciprocating fluid pump for supplying fluid thereto, of means for automatically loading and unloading said pump to maintain between predetermined maximum and minimum limits the volume of fluid in said system, said means

comprising a valve controlling said loading and unloading, a fluid motor for operating said valve, an electrically-actuated control valve for said motor, an electrically-actuated control switch for said valve, and an electric control system including an unloading switch adapted to be opened automatically when the volume of fluid in the system attains the said maximum and controlling flow of current to the actuator of said control switch, a loading switch adapted to be closed automatically when the volume of fluid in the



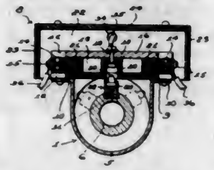
system has decreased to the said minimum and controlling flow of current to the actuator of said control switch, a timing switch operating in synchronism with the pump and arranged in series with said loading switch to operate jointly with the latter to control flow of current to the actuator of said control switch, and a holding circuit for said control switch shunting said loading and timing switches and including a switch actuated simultaneously with and in the same phase as said control switch.

2,243,889
CIGARETTE LIGHTING AND DISPENSING DEVICE
John J. Shively, New York, N. Y.
Application May 27, 1939, Serial No. 276,067
8 Claims. (Cl. 312—86)



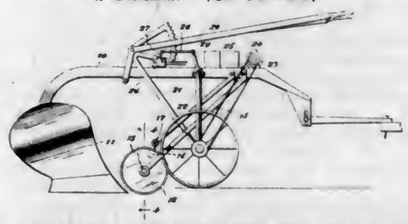
1. In a device of the character described, in combination, an electrical heating element, a magazine having pockets adapted to separately hold cigarettes, means to index said magazine whereby said cigarettes may be successively positioned adjacent said heating element, means to connect said element to a source of current, common means to actuate said indexing means and said connecting means whereby said cigarettes may be successively ignited by heat from said element, means to open said connecting means, and means to retard the operation of said opening means whereby the period of said ignition may be prolonged.

2,243,890
AUTOMOBILE DIRECTION SIGNAL SWITCH
Henry Slawatycki, Buffalo, N. Y., assignor of forty-eight and one-half per cent to Joseph J. Stelmach, Buffalo, N. Y.
Application April 30, 1940, Serial No. 332,574
2 Claims. (Cl. 200—59)



1. In combination with a motor vehicle steering column comprising a housing having an opening therein and a steering shaft operable in said housing, a direction signal switch including a plate of insulating material mounted on the housing over the opening, said plate having grooves in its opposite faces and further having slots therein connecting the grooves, contacts in the end portions of one of the grooves, a brush slidable in said one groove and engageable selectively with the contacts, a bar slidable in the other groove, a member on said bar operable in the slot and secured to the brush for retaining said brush in said one groove, and means on the steering shaft engageable with the bar for shifting the brush in either direction upon rotation of said shaft in either direction.

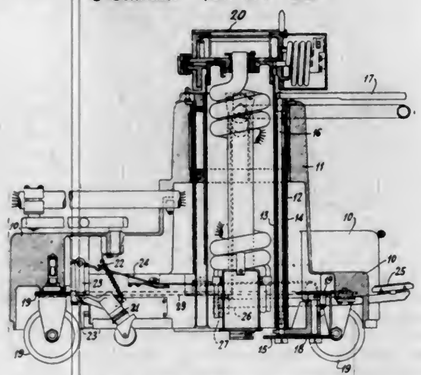
2,243,891
APPARATUS FOR DESTROYING VEGETATION AND INSECTS
Russell Topel, West Allis, and David D. Burrows, Milwaukee, Wis.
Application June 16, 1939, Serial No. 279,578
2 Claims. (Cl. 47—1.3)



1. An apparatus of the class described comprising a rotating cultivating means, a cultivator-carrying means, an axle supporting the cultivator-carrying means, the cultivator-carrying means being mounted for vertical swinging movement upon the axle, means for passing a high tension arc through the rotating cultivating means, said last mentioned means comprising a source of electrical supply, a high tension coil electrically connected to a source of electrical supply, brushes for forming a continuous electrical connection between the high tension coils and the rotating cultivating means, a switch for controlling the passage of current through the coil and rotating cultivating means, and means for automatically

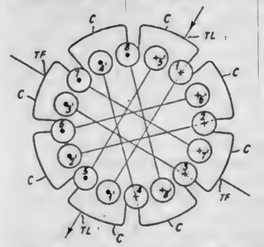
breaking the circuit through said switch as said cultivator-carrying means is vertically swung upon said axle.

2,243,892
CAMERA SUPPORTING PEDESTAL
Alda V. Bedford, Collingswood, and Knut J. Magnusson, Merchantville, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Original application November 5, 1936, Serial No. 109,390. Divided and this application September 30, 1937, Serial No. 166,476
3 Claims. (Cl. 280—44)



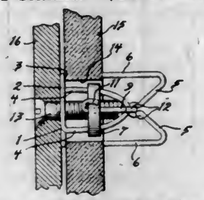
1. In a mobile supporting pedestal structure for cameras, a pedestal frame, a plurality of wheel holders connected to said pedestal, said wheel holds being rotatably mounted in said pedestal frame, a wheel operatively connected to each of said holders, a sprocket member joined to each of said wheel holders, a sprocket chain operatively associated with all of said wheel holders, a caster member normally retained in unsupported relationship with respect to said pedestal frame, and foot actuated means for bringing the caster into a supporting relationship with respect to said pedestal frame whereby at least one of said wheels is raised into an unsupporting position.

2,243,893
ELECTROMAGNETIC COIL
Alan Dower Blumlein, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application September 9, 1937, Serial No. 162,970
In Great Britain September 21, 1936
2 Claims. (Cl. 250—157)



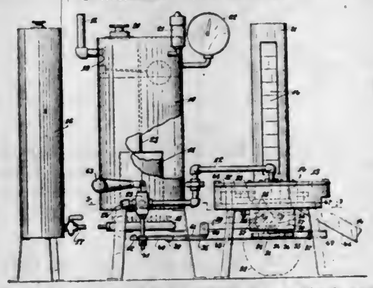
1. A cathode ray tube system including means for developing and accelerating a cathode ray beam, an electro-magnetic deflecting system for deflecting the beam comprising a single coil composed of a plurality of individual sections each having a plurality of turns, all of said individual sections being serially connected, and means for impressing currents onto said coils at tapped portions thereof whereby the cathode ray beam may be deflected in two co-ordinates of motion by a single coil structure.

2,243,894
PLASTER BOLT OR THE LIKE
Rudolph G. Boelter, Chicago, Ill., assignor of one-half to Richard Skoglund, Geneva, Ill.
Application December 18, 1939, Serial No. 309,717
4 Claims. (Cl. 85—2.4)



1. In a device of the character described, the combination of a securing element comprising an annular shoulder engageable facewise against an apertured structure and securing means connected with said shoulder and adapted for insertion in the aperture of said structure with said shoulder engaged against said structure and expansible radially of said aperture for securing engagement with said apertured structure, a clamping device operative normal to said shoulder and extending centrally therethrough and including a clamping member carried with said securing element for limited movement with reference thereto and normal to said shoulder, and means for positioning said securing means in expanded condition with movement of said clamping member toward said shoulder comprising two oppositely extending portions of said securing means arranged diagonally of the plane of said shoulder in crossed relation and an element carried with said clamping member and slidably engaged between said diagonally arranged portions.

2,243,895
BEVERAGE MACHINE
William F. Brown, Flushing, N. Y.
Application September 21, 1938, Serial No. 230,915
3 Claims. (Cl. 53—3)



1. In apparatus of the character disclosed, the combination of a liquid vessel, a measuring chamber in the lower portion of said vessel and having a vent open to space within the upper portion of the vessel, connections between the interior of said vessel and said measuring chamber, a valve interposed in said connections, a

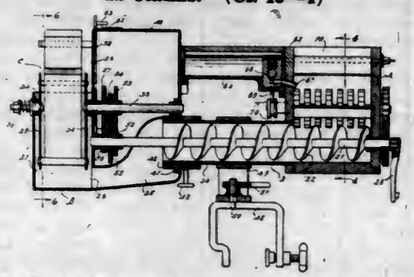
delivery line extending from said valve, said valve being ported to effect passage of liquid from the vessel into said measuring chamber in one position and to effect delivery of liquid from the measuring chamber through said delivery line in another position, a holder for a cartridge of infusion material at the end of said delivery line, infusion cartridges to fit said holder, a magazine for retaining a plurality of said cartridges in predetermined order, means operable in timed relation with said valve for effecting transfer of individual cartridges from said mechanism to said cartridge holder and including a cartridge transfer device operable between said magazine and holder and connections from said valve for effecting transfer action of said device in the movement of said valve from the delivery position to the measuring position first described, said holder including a releasable clamp for holding an individual cartridge in liquid receptive relation at the end of the delivery line and cam means operable from said valve for effecting holding action of said clamp after transfer action of said transfer device and prior to delivery of liquid by said valve.

2,243,896

DEVICE FOR SUPPLYING FOOD TO FISH OR LAND ANIMALS

Charles Henry Cupples, Red Bank, N. J.

Application March 30, 1940, Serial No. 327,068
12 Claims. (Cl. 43—4)



1. In apparatus for supplying feed, an open top substantially semicircular feed containing receptacle, a feed projecting device rotatable about the axis thereof, said device comprising a spring acting blade member having a scoop member extending from each of its sides, said blade member being adapted to extend within said receptacle and to scoop up a measured quantity of feed therefrom at each revolution, a reversible gearing for rotating said device in either direction, and means for setting said blade member under tension when it reaches its feed projecting position.

2,243,897

SYNTHETICAL PRODUCTION OF PARAFFIN

Franz Fischer and Helmut Pichler, Mulheim-Ruhr, Germany, assignors, by mesne assignments, to Hydrocarbon Synthesis Corporation, Linden, N. J.

No Drawing. Application July 23, 1938, Serial No. 220,918. In Germany July 30, 1937
4 Claims. (Cl. 260—449)

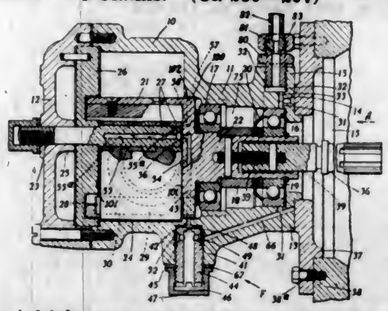
1. In the process of producing solid paraffin from a mixture of carbon monoxide and hydrogen in the presence of a cobalt catalyst and under superatmospheric pressure (p'), the improvement which consists in maintaining the gas mixture in the reaction zone for about a period of time (t') as determined by the equation $t':t=p':p$ in which t=the time required to obtain maximum output when operating under a pressure of one atmosphere (p), while p' is the pressure in atmospheres under which the reaction is carried out.

2,243,898

LUBRICATING SYSTEM FOR ROTARY VANE PUMPS

Frank Christian Fulcher, Purley, England

Application May 24, 1939, Serial No. 275,453
In Great Britain October 12, 1938
6 Claims. (Cl. 230—207)



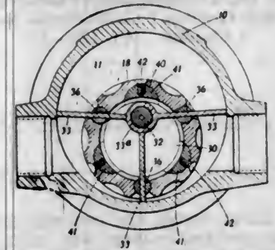
1. A high speed rotary pump of the character described for displacing air or other gases comprising a casing defining end and peripheral walls of a work chamber, inlets and outlets in said casing communicating with said chamber, a cylindrical rotor eccentrically positioned in said chamber, one of said end walls of the work chamber having a cylindrical aperture for receiving an end portion of said rotor and forming a fine annular clearance space between the external periphery of the rotor and the inner periphery of said surrounding aperture, said fine annular clearance being coincident with the external surface of the rotor and communicating directly with the interior of said work chamber, reduced journal means extending from said rotor wholly to one side of the end of the barrel portion of the rotor and cooperating bearing means in the casing for rotatably supporting the barrel portion of the rotor cantilever fashion in the work chamber and so that the wall of said cylindrical aperture in the casing takes no part in supporting the rotor, a plurality of vane members and means within the rotor for supporting the vanes to rotate in said work chamber, slots in the circumferential wall of the barrel portion of the rotor through which the vanes pass so as to project inside and outside of the barrel portion and permit of a relative sliding movement between the barrel and the vanes when the rotor and vanes turn and the outer edges of the vanes are carried round said peripheral wall of the work chamber, a lubricant supply passage for receiving lubricant under pressure, said passage communicating with said annular clearance between the barrel periphery and the cylindrical surface of the said aperture in the casing so that by virtue of the high peripheral speed obtainable by said peripheral barrel portion relative to the surrounding wall of the aperture the lubricant can be delivered into the chamber in the form of a fine mist and deposited as such on the moving parts therein, and a lubricant-flow regulating device arranged in said passage ahead of said fine clearance, which serves to control the flow through said clearance and maintains the flow unaffected by variations in the dimensions of the fine clearance incident to the running of the pump.

2,243,899

ROTARY PUMP AND THE LIKE

Frank Christian Fulcher, Purley, England

Application May 24, 1939, Serial No. 275,454
In Great Britain October 12. 1938
5 Claims. (Cl. 230—157)



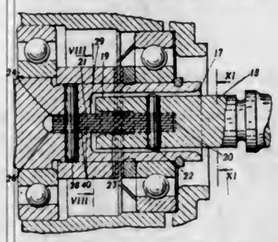
1. A rotary pump or the like, comprising a working chamber, a plurality of vanes rotatable therein, a rotor having a barrel portion rotatable in said chamber about an axis eccentric to the axis of rotation of said vanes, said rotor barrel having an open end and having peripherally continuous end portions, axially extending apertures in said barrel between said end portions, bearing members rotatably mounted in said apertures, said bearing members having axially extending slots, a spindle centrally of said chamber, said vanes passing through said slots and each including a hinged end mounted to rotate about said spindle, said vanes being of greater radial length than the internal diameter of said barrel, the internal wall of said barrel having a plurality of axially extending grooves opening into the open end of the rotor and said open end providing an aperture which permits the vanes to be inserted therethrough with the inner end of the vane in one of said grooves and the outer end of the vane guided by the slot in the bearing member opposite such groove to enable the vane to be guided in sliding movement during assembly along the rotor into a position in which it can be passed diametrically through the slot.

2,243,900

FLEXIBLE DRIVING COUPLING

Frank Christian Fulcher, Purley, England

Application May 24, 1939, Serial No. 275,456
In Great Britain October 12, 1938
12 Claims. (Cl. 64—15)



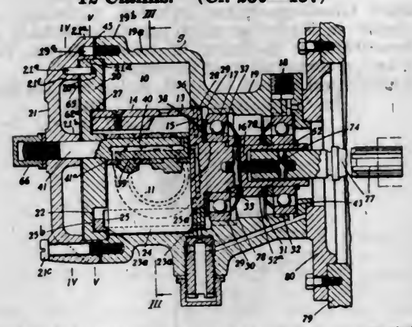
1. An elastic coupling device comprising coaxial rotary driving and driven members and a laminated coupling arranged on the axis thereof, said coupling being attached to said members and having a medial portion free to be twisted about the axis of said members by relative rotation of said members, stop means on at least one of said members operative after a predetermined amount of relative rotation to limit the twisting of part of said medial portion, said means being arranged to leave another part of said medial portion free for further twisting to a limit determined only by its own torsional resistance.

2,243,901

ROTARY PUMP

Frank Christian Fulcher, Manor Way, Purley, England

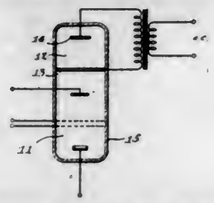
Original application May 24, 1939, Serial No. 275,454. Divided and this application April 17, 1940, Serial No. 330,224. In Great Britain October 12, 1938
12 Claims. (Cl. 230—157)



1. A high speed rotary vane pump comprising a casing providing a working cylinder having peripheral and end walls cooperating with each other to form a pump chamber, an annular groove in one of said end walls of said cylinder and an opening in the other end wall, said groove and said opening being eccentric to said cylinder, a rotor within said pump chamber comprising a shaft portion and a barrel portion which is open at one end and has a wall at the other, said open end comprising a ring face intruding into said annular groove and the other end of said barrel intruding into said opening in said other end wall, a spindle supported in said grooved end wall so as to project cantilever fashion into the working cylinder centrally thereof, said rotor having its shaft portion extending from one end only of said barrel, a plurality of vanes provided with bearing eyes which are rotatably supported by said spindle and which constrain the vanes from centrifuging, slotted cylindrical bearing members oscillatable in the wall of said barrel, said vanes passing through the slots in said members and said members and said vanes being relatively slidable, said vanes being arranged to generate with the cylinder walls and with the inner and outer walls of the rotor barrel pump working chambers of varying capacity both inside and outside of said rotor barrel and said casing being ported to cooperate with said inside and outside working chambers, there being fine ring between the end peripheral portions of said barrel and the surrounding portions of the end walls of the working cylinder, said clearances acting as throttle seals against loss of vacuum and being present when the pump is resting, fine clearance not exceeding one and a half mils also being provided between the edges of the vanes and the walls of the working chambers, shimming means determining the end clearances between the rotor, vanes, and end walls of the working chambers, anti-friction bearings cooperating with the shaft portion of said rotor constructed and proportioned so as to wholly to support said rotor cantilever fashion out of contact with the

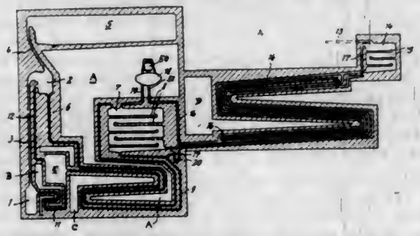
working cylinder and not only radially but also against the end thrust produced by the pressures within the pump with a rigidity sufficient to preserve circumferential continuity of said ring clearances during the running of the pump to the predetermined maximum speed and said spindle being rigidly fixed to the casing so that during such running, clearance shall be preserved between the edges of the vanes and the walls of the working chamber.

2,243,902
GAS FILLED ELECTRON TUBE
August Güntherschulze, Dresden, Germany, assignor to Patentverwertungs-Gesellschaft mit beschränkter Haftung "Hermes," Berlin, Germany, a corporation of Germany
Application March 15, 1940, Serial No. 324,044
In Germany February 3, 1939
4 Claims. (Cl. 250—27.5)



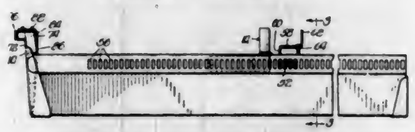
1. A discharge device comprising a vacuum-tight container, a metallic partition, permeable to gas when bombarded by gaseous ions, in said container dividing said container into compartments, a gaseous medium reservoir in the first compartment, an anode, cathode and gaseous medium in said second compartment, said partition normally maintaining the gaseous mediums of said compartments separate from each other, and an electrode within said first compartment for cooperating to direct a discharge against said metallic partition for replenishing the gaseous medium in said second compartment from said first compartment.

2,243,903
ABSORPTION REFRIGERATING APPARATUS
Rudolf Hintze, Berlin-Charlottenburg, Germany, assignor to Patentvertungs-Gesellschaft mit beschränkter Haftung "Hermes," Berlin, Germany, a corporation of Germany
Application November 26, 1938, Serial No. 242,495
In Germany November 29, 1937
6 Claims. (Cl. 62—119.5)



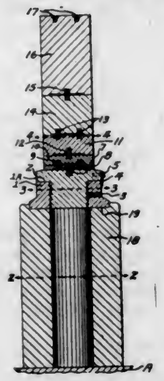
6. An absorption refrigerating apparatus of the continuous type, comprising a single pair of metal sheets sealed face-to-face together and having indentations and corrugations forming a generator, a condenser, an absorber and interconnecting conduits.

2,243,904
COMPRESSOR MECHANISM FOR FILING CABINETS AND THE LIKE
Elmer R. Houston, Riverside, Ill., and Joseph F. Dachlet and Joseph Leo Hauser, Green Bay, Wis., assignors to Automatic File & Index Co., Chicago, Ill., a corporation of Delaware
Application October 9, 1939, Serial No. 298,605
6 Claims. (Cl. 129—27)



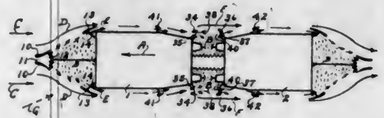
5. In a filing device, the combination of a file supporting member having side walls, an abutment member movably mounted with respect to said first-named member between said walls, a rack provided on at least one of said walls, a pinion mounted on said abutment member engaging said rack, and a readily manipulable releasable locking means engageable with said pinion to prevent its rotation for locking said abutment member against rearward movement in any of its adjusted positions with respect of said supporting member.

2,243,905
WORK SUPPORTING TOOL
Karl Hubschneider, Detroit, Mich.
Application May 17, 1939, Serial No. 274,084
1 Claim. (Cl. 90—59)



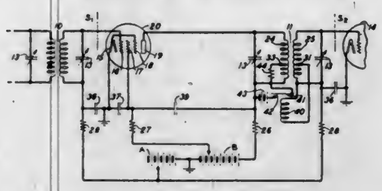
A working supporting tool comprising a support having its upper face formed with a pocket, a base removably seated in said pocket, the pocket and the base having confronting flat peripheral faces engaging each other to prevent the base from turning in the pocket, said base being formed with a threaded core, a plug over the base having a threaded shank screwed into the bore to adjustably hold the plug in engagement with the base, a set screw carried by said base transversely thereof for engaging the threaded shank and releasably holding the plug in a fixed position after adjustment, a series of blocks of various thicknesses disposed vertically over the plug one upon another in column formation, the plug and the blocks each having its upper face formed with sockets spaced from each other diametrically thereof, and pins extending downwardly from the blocks and removably engaged in the sockets to hold the blocks in place.

2,243,906
APPARATUS FOR SHIELDING A BODY FROM FLUID CURRENTS
André Huet, Paris, France
Application April 23, 1938, Serial No. 203,895
In France December 19, 1933
3 Claims. (Cl. 105—2)



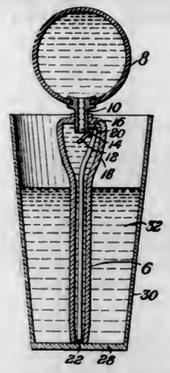
1. In combination with a moving body including a pair of contiguous vehicles connected in series with a gap in the surface of said body between the rear and front ends, respectively, of the forward and rear vehicles of said pair; deflecting means positioned adjacent each side edge of the forward vehicle at the rear end thereof and disposed for deflecting fluid currents of fluid flowing along said body outwardly away from said gap, said deflecting means being spaced from said edge to form a passage for admitting undeflected fluid to said gap for creating therein a body of fluid that is substantially stationary with respect to said vehicles; and deflecting means positioned adjacent each side edge of the rearward vehicle at the front end thereof and disposed to maintain the streams of fluid deflected by said first deflecting means in the path to which they are diverted thereby, said second deflecting means being spaced from said edge of the rear vehicle to form an outwardly directed and rearwardly converging passage extending from said gap for regulating the flow of fluid withdrawn from said fluid body by the movement of the deflected fluid currents with respect thereto.

2,243,907
AMPLIFYING CIRCUIT
Sven G. Johansson, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 20, 1940, Serial No. 314,781
3 Claims. (Cl. 178—44)



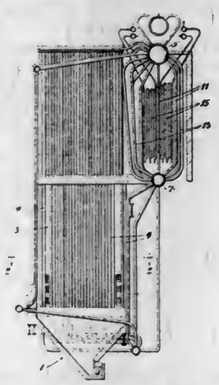
1. A transmission system comprising a transformer having a plurality of windings; a series circuit including a portion of one of said windings, a source of direct current and normally-open circuit-closing means; means connected across a portion of a second of said windings and adapted to operate said circuit-closing means at an audio frequency rate; and means to impress an audio frequency electric wave across said first winding, whereby a portion of the audio frequency energy developed in said second winding is effective to energize the means connected across a portion of said second winding to operate said circuit closing means at an audio frequency rate so that audio frequency energy in said second winding is increased.

2,243,908
SELF-FILLING SYRINGE
Wadea Kassab, Chester, Pa.
Application May 1, 1940, Serial No. 332,671
2 Claims. (Cl. 128—232)



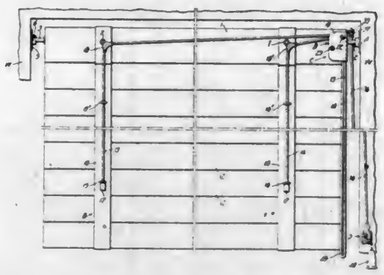
1. A self-filling syringe comprising a collapsible bulb, a nozzle communicating therewith, a valve fulcrumed intermediate said bulb and said nozzle, and an arm pivotally connected to said valve and projecting through and beyond the end of said nozzle.

2,243,909
MEANS FOR CONTROLLING SUPERHEAT
Theodore Kruger, Peoria, Ill., assignor to Combustion Engineering Company, Inc., New York, N. Y.
Application April 9, 1938, Serial No. 201,073
3 Claims. (Cl. 122—479)



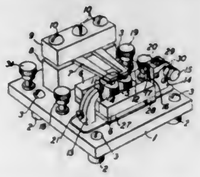
1. The method of regulating the temperature to which steam is superheated in a superheater receiving its heat mainly by convection from a furnace whose walls are lined with water cooled tubes comprising; introducing fuel and air into the furnace from a multiplicity of points in directions substantially tangential to an imaginary circle in the furnace for creating a turbulent rotating gas mass in the furnace transmitting heat to the water tubes therein; maintaining, for a given load, a substantially uniform rate of fuel firing at each point of admission; and altering the angle relatively to the furnace walls at which the fuel and air are injected to thereby alter the extent to which gases are cooled before reaching the superheater.

2,243,910
VENETIAN BLIND
Richard Laborda, Brooklyn, N. Y., assignor to Lowe Paper Company, Ridgefield, N. J., a corporation of New Jersey
Application March 19, 1940, Serial No. 324,757
5 Claims. (Cl. 156—17)



1. In a Venetian blind including a tiltable top rail and a plurality of lift cords adapted to raise the louvers of the blind, a device for tilting and locking the louvers in an adjusted position, said device comprising a bracket having front and rear parallel plates spaced apart a distance only slightly greater than the diameter of the lift cords and an end wall connecting said front and rear plates, the lift cords passing through said bracket and having depending portions extending in parallel relation alongside said end wall, a locking pawl mounted between said front and rear plates and arranged to urge only one of the lift cords into frictional engagement with said end wall and means for attaching the rear plate of said bracket to the front face of the tiltable top rail of the blind.

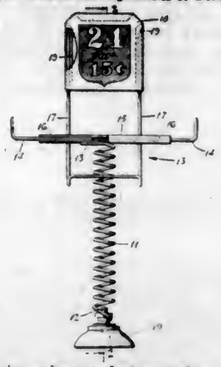
2,243,911
ALTERNATING CURRENT RELAY
Emory Lakatos, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 24, 1939, Serial No. 301,089
4 Claims. (Cl. 200—91)



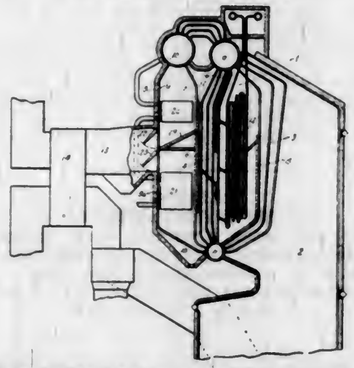
1. A frequency selective relay comprising an energizing coil, a massive reed tuned to a particular frequency, a bifurcated contact on said reed, a light vibratory wire mounted between the bifurcations of said contact in position to be engaged by said contact when said reed is vibrated.

2,243,912
DISPLAY STAND
Henry Legler, Larchmont, N. Y.
Application June 20, 1940, Serial No. 341,415
4 Claims. (Cl. 248—160)

4. A display stand comprising a base adapted for attachment to a supporting surface, a helical spring connected at one end to said base and an article-supporting frame connected at the opposite end of said helical spring, said helical spring having the convolutions spaced a substantial distance apart to give substantially unrestricted flexibility in all directions.



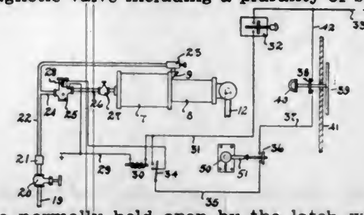
2,243,913
DIVIDED ECONOMIZER AND CONTROL
Leonard J. Marshall, Tenafly, N. J., assignor to Combustion Engineering Company, Inc., New York, N. Y.
Application June 3, 1939, Serial No. 277,141
7 Claims. (Cl. 122—480)



1. In a boiler having a superheater located in a gas pass between the furnace and offtake; baffle means forming two separate gas passes leading from said superheater pass to the offtake so arranged that gases entering one of said passes have contacted only part of the superheater surface and gases entering the other of said two passes have contacted all of the superheater surface; an economizer having portions of its heat absorbing surface located in each of said two gas passes; and damper means for regulating the proportional distribution of gases flowing through said two passes from said superheater pass to the offtake.

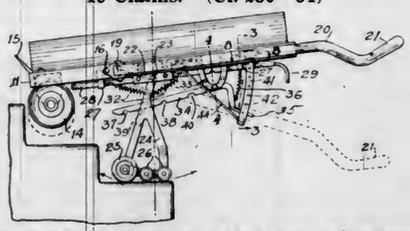
2,243,914
POWER DOOR OPERATOR
Curtis J. Martin, Chicago, and Joseph F. Maska, Cicero, Ill., assignors to National Pneumatic Company, New York, N. Y., a corporation of West Virginia
Application September 30, 1939, Serial No. 297,214
3 Claims. (Cl. 268—66)

1. A combination as described, comprising a door, a differential pneumatic engine mounted adjacent the door and connected to it, the said engine having a differential piston assembly, a pressure fluid connection to said engine to continuously supply pressure fluid to the space between the piston assembly, electromagnetic means when energized for supplying pressure fluid to the large cylinder of the differential engine and to exhaust it therefrom when de-energized, a latch on said door for latching it closed, and circuit connections for said electromagnetic valve including a plurality of switches,



one normally held open by the latch when the door is latched closed, another normally open and positioned to be closed when the door is fully open, and another closed when said last switch is closed, whereby as soon as the door is unlatched the engine opens it and when it reaches fully open position it closes the switch operated thereby to close said third switch to energize said magnet valve so that pressure fluid is supplied to the engine to close the door and the latch opens said first switch when the door is fully closed to open said third switch.

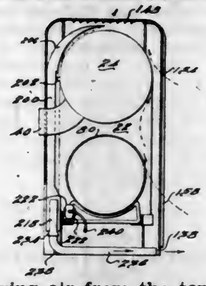
2,243,915
HAND TRUCK
Herbert B. Mueller, Los Angeles, Calif.
Application August 10, 1938, Serial No. 224,081
19 Claims. (Cl. 280—54)



1. In a hand truck, a body frame, wheels supporting the forward end of said frame, handles pivotally connected to the sides of said frame near the forward end thereof so as to swing outwardly and downwardly with respect to said frame, means for holding said handles in differently adjusted positions below the rear portion of said frame, a frame hinged to and depending from the intermediate portion of the body frame and a plurality of pairs of wheels journalled for rotation on transverse axes on the lower portion of said hinged frame.

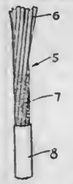
2,243,916
HEATER
Moritz L. Mueller, Grosse Pointe, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application March 9, 1939, Serial No. 260,670
4 Claims. (Cl. 126—110)

1. In a space heater, supporting means, a heat exchange unit supported on said supporting means, a cabinet surrounding said heat exchange unit and adapted to direct a natural draft of air upward over said heat exchanger, a duct having one end positioned near the top of said heat exchanger and the other end opening horizontally at the bottom of said cabinet, and means in said



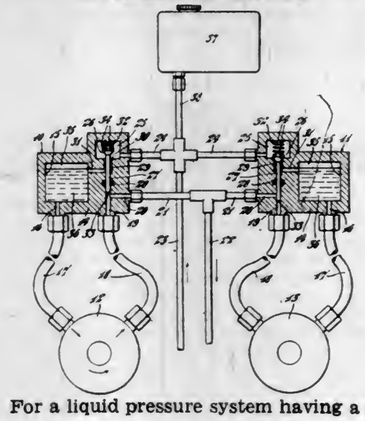
duct for drawing air from the top of said duct and delivering it through the bottom of said duct.

2,243,917
CORROSION RESISTANT YARN AND FABRIC
Robert Stuart Owens, Brooklyn, N. Y.
Application July 1, 1938, Serial No. 216,990
2 Claims. (Cl. 57—153)



1. An inextensible tension member of the character described comprising a yarn formed of corrosive resistant fibre of the group consisting of spun glass, vinyl resin fibre and Bakelite fibre, a resilient yieldable adhesive binder of the group consisting of rubber cement, acrylic resins, nitrocellulose cements and cements made from resins, and, bonded to the binder, a cover of rubberlike material of the group consisting of rubber, chlorinated rubber, polymerized chloroprene, polymerized ethylene poly-sulfide and polymerized vinyl halide.

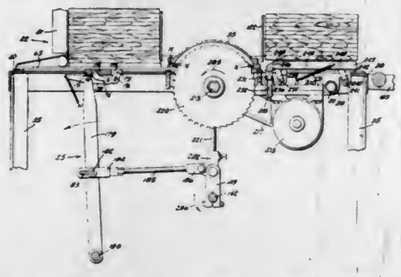
2,243,918
LIQUID PUMPING SYSTEM
Sydney Macdonald Parker, London, England, assignor to Automotive Products Company Limited, London, England
Application October 2, 1940, Serial No. 359,455
In Great Britain September 25, 1939
11 Claims. (Cl. 103—40)



1. For a liquid pressure system having a pump,

a valve device comprising a body formed with a pair of mutually isolated passageways for inclusion in the inlet and delivery connections of the pump respectively, a valve member urged to close both of said passageways, a plunger arranged to be subject to the pressure delivered by the pump and to operate the valve member so as to open both of the passageways when a predetermined delivery pressure is attained, and an auxiliary reservoir connected with the inlet passageway to provide a limited supply of liquid when the pump is being started.

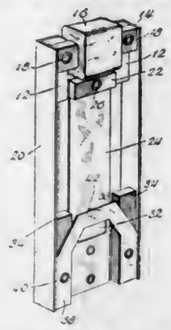
2,243,919
MACHINE FOR THE MANUFACTURE OF BOX PARTS
Hale Paxton and Gerald C. Paxton, Santa Ana, and Glenn E. Stilwell, Anaheim, Calif., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application July 6, 1937, Serial No. 152,076
5 Claims. (Cl. 144—3)



1. In combination: means to feed a series of shook blanks along a given path by intermittent movements separated by pauses, one of said blanks halting during each of said pauses in a processing position; means for locking each blank against reverse movement along said path when said blank is in said processing position; circular saw means operated in timely relation with said feed means to move into engagement with each blank as it arrives in said processing position to cut a slot in said blank, said circular saw means having cutting engagement with said blank in a direction reverse to that in which said feed means feeds said blanks to cut a slot in each blank; nailing means for driving nails into an edge of each of said blanks adjacent the ends of the slots when said blank is in said processing position, and means for coordinately actuating said feed means, said circular saw means and said nailing means.

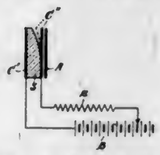
2,243,920
VIBRATOR
Herman B. Philips, New Rochelle, N. Y.
Application May 12, 1939, Serial No. 273,297
6 Claims. (Cl. 200—90)

1. A vibrator comprising a magnet having a field coil wound thereon, an armature, a thin strip of spring metal or reed fixedly mounted at one end and carrying the armature at its opposite end, a movable contact carried by said reed, a stationary contact cooperating with said movable contact, said stationary contact being mounted on a yieldable spring member adapted to move with the reed when the reed is moving in one direction, and split stop means operating to limit the movement of the stationary contact in the other direction, said stop means being so disposed that they intercept the yieldable spring member but do not interfere with free vibration



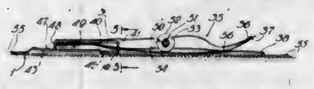
of the reed regardless of the amplitude of vibration.

2,243,921
VARIABLE CAPACITY DEVICE AND CIRCUIT
Noël Meyer Rust, Chelmsford, Joseph Douglas Brailsford and Arthur Leonard Oliver, London, and John Forrest Ramsay, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware
Application January 9, 1940, Serial No. 313,149
In Great Britain November 12, 1938
2 Claims. (Cl. 250—40)



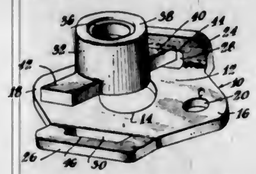
1. A device for obtaining a variable capacity effect by an applied voltage and including a first electrode comprising a piece of slate having one surface curved and highly polished; a piece of copper foil secured to a flat face of the slate; a piece of polished copper foil in intimate contact with the curved surface of the slate; a fixed auxiliary electrode normally spaced from the polished copper foil and providing the second electrode of the condenser; and means for applying a variable potential between the two pieces of foil.

2,243,922
WORK-POSITIONING GRIPPER FOR PRINTING PRESSES
Arthur Shipp, Bergenfield, N. J.
Application August 3, 1940, Serial No. 350,251
15 Claims. (Cl. 101—415)



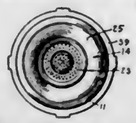
1. A positioning gripper or pin for positioning work to be printed on a printing press platen including a lower, an intermediate, and an upper flexible metal strip, the lower metal strip forming a base, the upper metal strip a protector, and the intermediate metal strip a friction finger for anchoring the work in engagement with the base strip, the intermediate and upper metal strips having adjacent upwardly flaring ends to facilitate receiving the work.

2,243,923
ANCHOR NUT STRUCTURE AND THE MANUFACTURE THEREOF
Carl A. Swanstrom, Maplewood, N. J., assignor to Elastic Stop Nut Corporation, Elizabeth, N. J., a corporation of New Jersey
Application May 24, 1938, Serial No. 209,662
13 Claims. (Cl. 29—148)



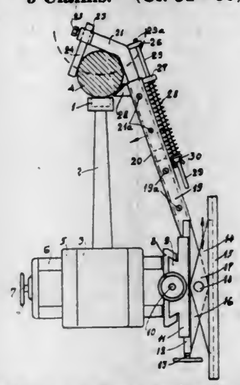
9. The method of producing two-piece anchor nut structures of the kind in which a flanged nut is retained in a sheet metal anchor member which consists in forming a nut having laterally projecting flange portions, forming a sheet metal anchor member to have a central portion and opposed nut retaining portions each shaped to provide an opening when the nut retaining portion is bent upwardly into a plane approximately at right angles to the plane of the central portion, bending one of said portions upwardly into such plane along a line such that the height of the opening is slightly less than the thickness of the flange portions of the nut, placing the nut over said central portion with the projecting flange portion at one side of the nut extending through the bent up nut retaining portion and with the bottom surface of the nut at an angle to the plane of the central portion of the anchor member, forcing the bottom surface of the nut into contact with the central portion of the anchor member and thereafter bending the remaining nut retaining portion of the anchor member over the remaining projecting flange portion of the nut.

2,243,924
LIGHTER
George Philip Schmitt, New York, N. Y., and Donald A. Richards, Stamford, Conn., assignors, by mesne assignments, to Cardinal Products, Inc., a corporation of New York
Application December 31, 1938, Serial No. 248,686
7 Claims. (Cl. 67—7)



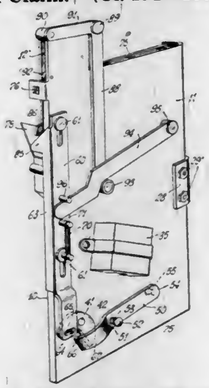
2. A lighter comprising a housing, said housing being provided with a head in alinement therewith and open at its top for receiving therein the tip of a cigarette or the like, a catalyst fixed in said head and with respect to said housing, a fuel reservoir within said housing and including absorbent material to be saturated with vaporizable fuel, valve means arranged below said catalyst and between said catalyst and said reservoir and in alinement with said catalyst, air admission means enabling atmospheric air to contact with fuel in said reservoir, and slidable means extending from the bottom of said housing, said valve means and said air admission means being made operative by sliding movement of said slidable means enabling air and fuel mixture to flow through said valve means for contact with the lower portion of said catalyst.

2,243,925
PORTABLE GRINDING DEVICE, ESPECIALLY FOR GRINDING OF CRANKSHAFTS
Lauri Karl Tilander, Helsingfors, Finland
Application February 1, 1939, Serial No. 253,986
In Finland December 23, 1938
5 Claims. (Cl. 51—56)



1. A portable grinding device for crank shafts, comprising a grinding spindle for a grinding wheel, a casing supporting said spindle, means firmly connected with said casing for driving said spindle, means firmly connected with said casing for shifting said spindle in the longitudinal direction of the crankshaft to be ground, means firmly connected with said casing for shifting said spindle transversely to said direction, means firmly connected with the second-mentioned means for shifting said spindle toward and away from the crankshaft, whereby said spindle, said casing and said four means are movable together as a single unit, clamping means for clamping the pin of the crank shaft to be ground, means connecting said clamping means with one of said shifting means, and movable means connected with said connecting means.

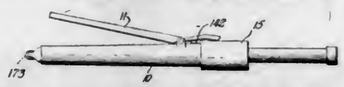
2,243,926
COIN AND SLUG SEPARATOR
Walter A. Tratsch and William Patzer, Chicago, Ill.
Application August 8, 1938, Serial No. 223,585
1 Claim. (Cl. 194—100)



In a coin testing device, the combination of means providing a coin passage terminating into coin acceptance and reject exits, test means communicating with the passage and adapted to ar-

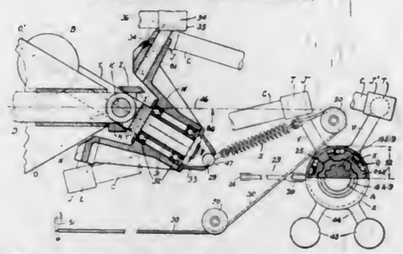
rest coins therein of predetermined character, an arm mounted to sweep across the face of said test means to dislodge a coin attracted thereto, a pin, adapted for movement through an opening formed in said first means in a direction transversely of the passage, to block coins moving down the passage toward the acceptance exit, means pivotally supporting said arm for said sweeping movement, rockable means carried by the first said means and supporting the pin for said transverse movement, means for moving said arm in sweeping action across the face of said test means, an element of said arm-moving means being adapted to engage said rockable means to move said pin in said transverse direction simultaneously with the movement of said arm in sweeping action across the face of said test means.

2,243,927
HAIR CURLER
Paul Tresenberg, Springfield Gardens, N. Y.
Application November 10, 1937, Serial No. 173,879
19 Claims. (Cl. 132—33)



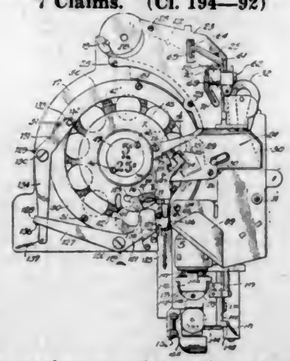
1. In a hair curler, the combination of a close legged hair pin, a tubular member for holding said pin within itself, said member being longitudinally slotted to permit the passage of a leg of said hair pin through the length of the slot, means adjacent said slot for wedging apart the legs of said hair pin, and an outer tubular member, the tubular member being longitudinally slideable within said outer tubular member.

2,243,928
INFINITELY VARIABLE TORQUE CONVERTER
Waldo Dean Waterman, Santa Monica, Calif.
Application November 1, 1938, Serial No. 238,221
2 Claims. (Cl. 74—114)



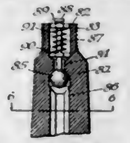
1. In a mechanism of the class described, a power input drive shaft, a transverse bearing fixed at the end thereof the axis of which intersects the central axis of said drive shaft, a transverse shaft mounted in said bearing, a yoke mounted on said transverse shaft and adapted to move angularly thereabout, said yoke provided with a shaft extension on one side thereof arranged at right angles to the said transverse shaft on which said yoke is mounted and adapted to carry and revolve within a wabbler member, and a wabbler member mounted thereon, said wabbler member adapted to wabble but restrained against revolutions by a suitable connection to the frame member of the mechanism, said yoke provided with counterweights thereon on the opposite side of said yoke from that of the said shaft carried by the said yoke, said wabble member having connected thereto reciprocating members suitably connected for transmitting motion to a power receiving mechanism.

2,243,929
COIN CONTROLLED MECHANISM
Burns S. Watling, Chicago, Ill., assignor to Watling Scale Company, Chicago, Ill., a corporation of Illinois
Application June 30, 1938, Serial No. 216,652
7 Claims. (Cl. 194—92)



1. In a mechanism of the class described, the combination of a coin pathway, means for both effecting and limiting simultaneous step-by-step movements of relatively larger and smaller diameter coins through said pathway, coin-controlled means for locking said last named means against operation when no coin has been deposited, said locking means being disabled by each successive deposited coin of smaller diameter, and means associated with said pathway and actuated only by a coin of larger diameter as it is advanced through said pathway operative to maintain said locking means disabled for a predetermined number of actuations of said movement effecting means, said means associated with said pathway including means for restoring said locking means to operative condition at the conclusion of said predetermined number of actuations of said movement effecting means.

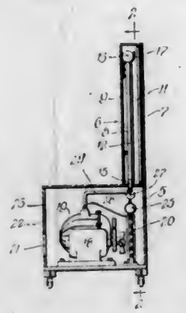
2,243,930
VALVE STEM AND CHECK VALVE THEREFOR
Frank H. Watson, Jonesboro, Ark., assignor to Jenkins Bros., Bridgeport, Conn., a corporation of New Jersey
Original application August 15, 1932, Serial No. 628,953, now Patent No. 2,106,671, dated January 25, 1938. Divided and this application May 5, 1937, Serial No. 140,927
4 Claims. (Cl. 251—137)



2. A valve stem comprising a flexible rubber body having a through passage constricted at its tip portion to provide a yielding integral annular valve seat of the stem material faced toward the base of the body, and a movable valve member cooperative with said seat to close said passage, said body including an integral annulus of relatively hard rubber, as compared to the rubber of

the main portion of the body, in surmounting relation to said seat whereby to restrain expansion of the latter.

2,243,931
RADIANT HEAT ABSORBING MEANS
Harry G. Webster, Chicago, Ill.
Application April 29, 1938, Serial No. 204,962
7 Claims. (Cl. 62—116)



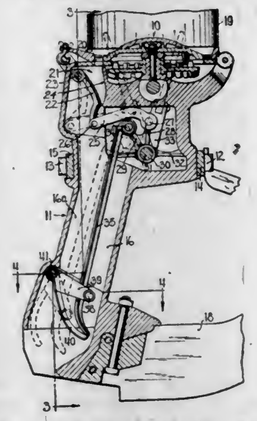
3. In combination, a cold body, means for removing heat from said body, and means for insulating said body from coaction with the circumambient medium, said insulating means being transmissive to radiant heat such as is emitted from the human body.

2,243,932
METHOD OF CORRUGATING CYLINDERS
Albert G. Wery, Sunnyside, and Leslie A. Peppler, Staten Island, N. Y.
Application February 28, 1938, Serial No. 193,188
2 Claims. (Cl. 153—73)



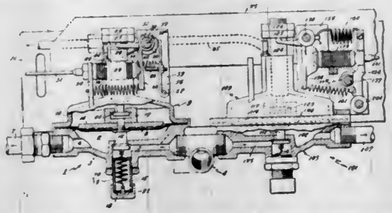
1. The method of making tubes of substantial length wherein the tubes are composed of a plurality of sections and are formed with one continuous series of equally spaced transverse corrugations of uniform cross-section, comprising the steps of forming such corrugations in a first section except for an extreme end portion thereof, telescoping a second uncorrugated section into the uncorrugated end of the said first section, thereafter progressively forming interlocking corrugations of the original uniform cross-section and spacing simultaneously in both of the telescoped tube sections throughout their length in a direction toward the free end of the second section, and thereafter progressively forming corrugations of the original uniform cross-section and spacing in the remainder of the second section in a direction toward the free end of the second section.

2,243,933
PLANTING MECHANISM
Charles H. White, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 14, 1936, Serial No. 68,833
Renewed February 17, 1940
27 Claims. (Cl. 111—51)



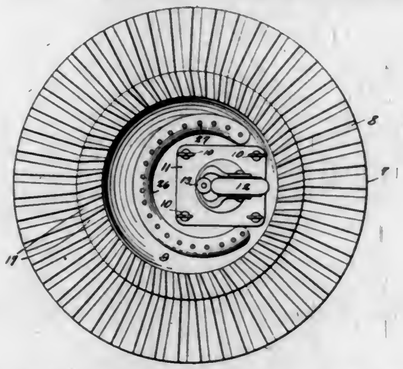
15. A seed valve for a planter comprising a first part having an ejecting face and mounted for movement to discharge the seed, and means cooperating therewith for holding the seed substantially in contact with said face until said part is moved to discharge the seed, whereby the seed is ejected by said part with a pushing action.

2,243,934
CONTROL ASSEMBLY
William E. Whitney, Cambridge, Mass., assignor, by mesne assignments, to Stator Corporation, a corporation of Rhode Island
Application March 24, 1938, Serial No. 197,774
17 Claims. (Cl. 62—5)



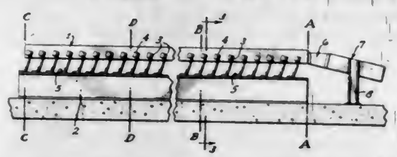
1. Gas control device comprising a gas-receiving chamber having an inlet and an outlet, a diaphragm forming one wall of the chamber, a valve connected to the diaphragm and controlling the flow of gas through the chamber, means urging the valve towards its opened position, and thermostatic means including a temperature-responsive element, said element acting upon said valve rigidly and positively to oppose the action of said first-named means within a range of movement of the valve, whereby the position of the valve in said range is determined by temperature conditions, the gas pressure in the chamber acting as the valve moves toward its opened position and is at the end of said range in removing the valve and diaphragm from the influence of the thermostatic means, so that the first-named means then determines the maximum pressure within the chamber.

2,243,935
SUCTION HEAD FOR VACUUM CLEANERS
James Clarence Williamson, Albany, Ga.
Application May 4, 1940, Serial No. 333,408
8 Claims. (Cl. 15—2)



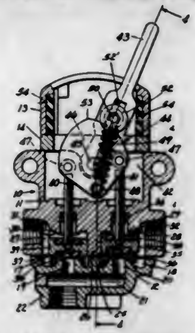
1. A suction head having outer and inner housings providing an inner chamber and an annular suction chamber, a flexible annular flange carried by each housing for hugging a surface to be cleaned, air intake grooves in one surface of each flange and opening into its housing, means for effecting a suction through the head from the grooves, and a valved air inlet opening into the inner housing.

2,243,936
ELONGATED VIBRATORY CONVEYER
Hugh E. Wurzbach and Clyde H. Konold, Magna, Utah
Application June 14, 1940, Serial No. 340,486
8 Claims. (Cl. 198—220)



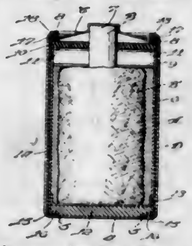
1. An elongated vibratory conveyer of the "tuned" type having an accentuated conveying action at a longitudinal position, comprising: a support; an elongated conveyer body of such length and resilience as to be capable of appreciable internal longitudinal vibration when vibratory conveying motion is imparted thereto at a predetermined frequency; a plurality of longitudinally spaced cantilever supports mounted on said support and connected to said body in supporting relation thereto at intervals throughout the length of said body for supporting said body relative to said support; and vibratory motor means operatively associated with said body and adapted to impart a vibratory conveying motion thereto at said predetermined frequency in a direction having a substantial component along the length of said body, the cantilever supports connected to said body adjacent one longitudinal position therealong being stiffer than the supports required for "tuned" normal conveying action adjacent said position, whereby an accentuated conveying action is obtained at said one position while maintaining said conveyer as a whole in a substantially "tuned" condition.

2,243,937
VALVE FOR BUS DOOR OPERATING MECHANISMS
John R. Almond, Cleveland, Ohio, assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application February 10, 1939, Serial No. 255,713
5 Claims. (Cl. 277—20)



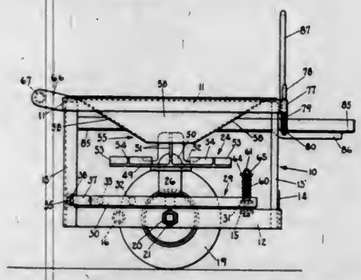
1. A valve mechanism comprising a casing having a pair of valve chambers, each provided with a valve seat, a valve body in each of said chambers, spring means normally tending to force said valve bodies off of said seats, a snap action mechanism connected with said valves and including a rockable cam with a developed apex and being mounted upon an axis, an operating lever mounted co-axially therewith and having a roller engaging the cam, and a spring connecting said roller of the lever with the cam at a point in alignment with a line connecting the cam apex and its axis and normally predominating over said first named spring means whereby one of the valves is resiliently forced upon its seat while the other valve is moved off of its seat upon movement of said lever from one position to another.

2,243,938
LEAKPROOF DRY CELL
Herman R. C. Anthony, Madison, Wis., assignor to Ray-O-Vac Company, a corporation of Wisconsin
Application March 3, 1939, Serial No. 259,639
3 Claims. (Cl. 136—107)



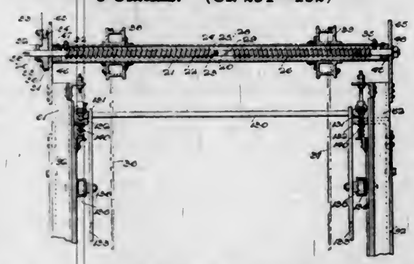
2. A leak-immunized cell provided with circuit terminals at opposite ends, comprising: a hollow metal electrode containing electrolyte; a carbon electrode and depolarizing-mix in said electrolyte; a metal hood insulated from said metal electrode and forming a closure for the cell and a terminal for said carbon electrode, the marginal portions of said hood being curled upwardly and inwardly to form a bead; a sheet of insulating material enclosing the side wall of the cell and marginal edge portions of both the hood and bottom of said cell; and a protecting metal sheath electrically insulated from both of the electrodes and surrounding said insulating sheet and gripping it firmly against the lower end of the cell and the upper curved surface of the bead.

2,243,939
SPREADER
Franklin E. Arndt, Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company, a corporation of Ohio
Application November 5, 1937, Serial No. 173,000
20 Claims. (Cl. 275—8)



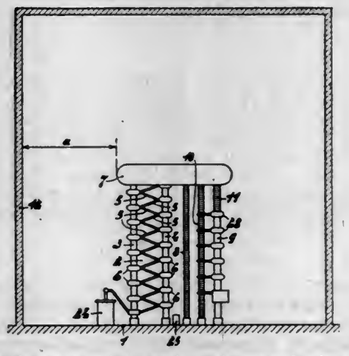
2. In a material spreader, the combination with a main frame, of a supplemental frame movable relatively thereto, a rotary spreading device mounted on said supplemental frame to move bodily therewith and for rotation relatively to both of said frames on an upright axis, a ground engaging wheel mounted on said main frame in position to frictionally engage the under side of said spreading device to effect driving thereof when said ground engaging wheel is rotated by travel along the ground surface, and means acting directly on said supplemental frame to yieldingly maintain frictional driving connection between said ground engaging wheel and said rotary spreading device.

2,243,940
COUNTERBALANCING DEVICE
Bernard A. Ball, Smethport, Pa.
Original application June 16, 1939, Serial No. 279,547. Divided and this application April 22, 1940, Serial No. 331,035
3 Claims. (Cl. 254—152)



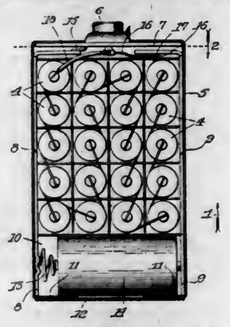
1. A counterbalancing mechanism comprising a shaft normally stationary but adapted to be turned, a drum surrounding the shaft and mounted to rotate with respect thereto, load supporting means adapted to be wound upon the drum, a plurality of helical springs surrounding the shaft and within said drum and having their ends secured to axially spaced points on the drum and shaft respectively, so that a relative movement of the shaft and the drum in one direction will simultaneously tension all of the springs, and the springs when not restrained will provide a relative movement of the shaft and the drum in the other direction.

2,243,941
HIGH-TENSION ELECTRICAL SYSTEM
Albert Bouwers, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application November 2, 1938, Serial No. 238,448
In Germany November 5, 1937
4 Claims. (Cl. 175—363)



1. A high-tension system for producing direct voltages of the order of 10^6 volts comprising a plurality of condensers arranged in columns, rectifiers connected between said columns, and a terminal member adapted to receive a high voltage with respect to ground, said member being arranged at adjacent ends of said columns, and a load for said system arranged on the side of the member opposite the columns and in the direction of extension of the columns, the end of the load adjacent said member being electrically connected thereto.

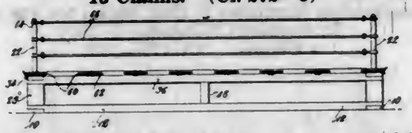
2,243,942
HEARING AID BATTERY
Leland G. Briggs, Madison, Wis., assignor to Ray-O-Vac Company, a corporation of Wisconsin
Application December 21, 1939, Serial No. 310,461
4 Claims. (Cl. 136—109)



3. A battery assembly comprising: a box-like fabric casing in which is permanently fixed a multiple cell battery so as to provide a small compartment in one end to receive a single removable cell; a tuck-in foldable flap adapted to form a closure for the compartment; and a pair of wide, resilient metal reinforcing strips for a pair

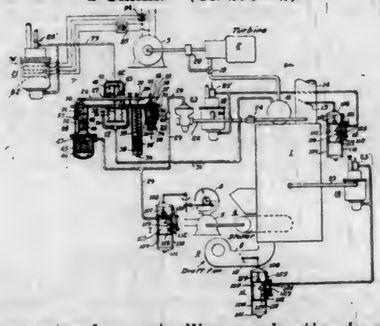
of opposed side walls of said casing extending substantially throughout the length and width thereof and serving as electrical conductors for a single cell placed in said compartment.

2,243,943
BOXING RING
Clarence W. Bunting, La Grande, Oreg.
Application September 5, 1940, Serial No. 355,527
13 Claims. (Cl. 272—3)



10. A knock-down boxing ring comprising lower sills each having offset mating ends, upper sills each having offset mating ends, means for supporting said upper sills above said lower sills, a flooring adapted to be supported upon said upper sills, corner posts extending above said flooring and interlocking with said sills to lock the same together, said upper sills bracing said corner posts intermediate their ends.

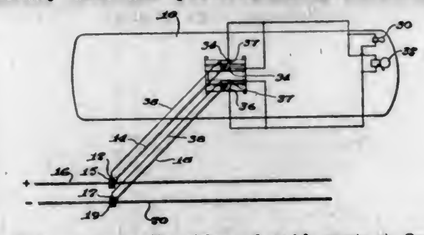
2,243,944
COMBUSTION CONTROL SYSTEM
Robert R. Donaldson, Pittsburgh, Pa., assignor to John M. Hopwood, Mount Lebanon, Pa.
Application April 25, 1938, Serial No. 204,051
1 Claim. (Cl. 290—2)



Apparatus for controlling combustion in steam boiler furnaces supplying steam to a prime mover connected to drive an electric alternator comprising apparatus for regulating the furnace draft, apparatus for regulating the rate of fuel delivery to the furnace, means for transmitting variable control impulses to the furnace draft apparatus and the rate of fuel delivery apparatus, means responsive to steam pressure for actuating said impulse transmitting means, and means responsive to the load output of the alternator for actuating said impulse transmitting means, said load and steam pressure responsive means acting jointly to cause adjustment in the rate of combustion to continue until a balance is reached between steam pressure and load output of the alternator.

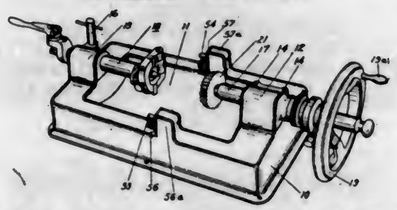
2,243,945
TRACKLESS TROLLEY VEHICLE
William W. Drummey, Jamaica Plain, Mass.
Application December 13, 1939, Serial No. 308,907
1 Claim. (Cl. 191—1)

In a trackless trolley vehicle, a unitary trolley pole stand secured to the roof of said vehicle and supported on the outer surface of said roof, said stand including a stationary base attached to said roof and a trolley pole supporting member pivotally secured to said base member, a trolley pole attached to said trolley pole supporting member and provided with a contact shoe for engaging a trolley wire, a contact finger secured to said supporting member and projecting horizontally therefrom, said contact finger being electrically connected to said contact shoe, a pair of angularly spaced contact members secured to said stationary base and positioned at predetermined



points on opposite sides of said contact finger to be engaged thereby upon a predetermined angular movement of said trolley pole supporting member in either direction relative to said base, a signal means within said vehicle, and electrical connections including said contact finger said contact members and a second trolley pole carrying a contact shoe engaging another trolley wire for establishing a circuit between said trolley wires for operating said signalling means when said contact finger engages one of said contact members.

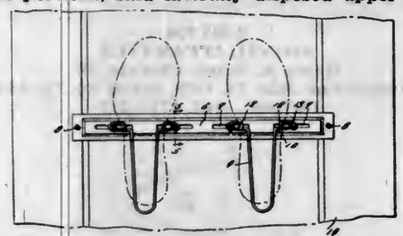
2,243,946
MEANS AND METHOD FOR MACHINING PARTS
Allen I. Dunn, Cedar Rapids, Iowa, assignor to Cedar Rapids Engineering Company, Cedar Rapids, Iowa, a corporation of Iowa
Application August 25, 1938, Serial No. 226,722
11 Claims. (Cl. 77—63)



1. In a piston squaring tool, a rotary cutting means, a piston supporting means passing through the piston pin opening, means for supporting the supporting means on a center line exactly at right angles to the center line of rotation of the cutting means, and means for biasing the piston against the supporting means whereby a line passing through the cutting means and through the center in the head of the piston is exactly at right angles with reference to the piston supporting means.

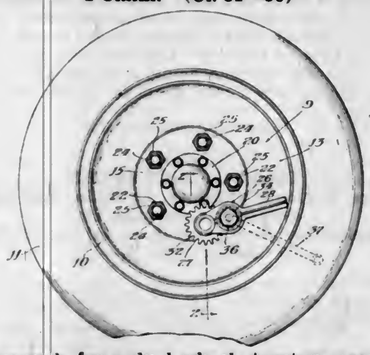
2,243,947
SHOE HANGER
Maurice E. Epstein, Brooklyn, N. Y., assignor to Nu-Hold Manufacturing, Inc., a corporation of New York
Application March 14, 1939, Serial No. 261,833
3 Claims. (Cl. 211—35)

1. A shoe hanger comprising a structure attachable elongated channeled member, a slot in the elongated channeled member, a plurality of shoe hanger members on the elongated member, each of the shoe hanger members consisting of a U-shaped element having laterally disposed upper end portions, said laterally disposed upper end



portions being bent inwardly and then outwardly to define shoe sole engaging cleats and being further formed at their extremities to define eyes, bolts extending through the eyes and slots, and nuts in the channelled side of the said elongated member for receiving the said bolts.

2,243,948
WRENCH
Leon S. Eyrick, Plainfield, Ill., assignor of one-half to Paul Aies, Joliet, Ill.,
Application February 29, 1940, Serial No. 321,553
1 Claim. (Cl. 81—56)

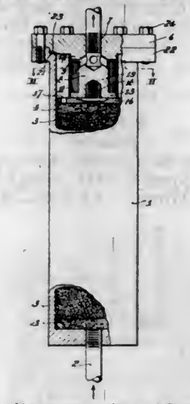


A wrench for a dual-wheel structure comprising a bar having at one end a hollow arm extending at an angle thereto, the opposite end of the bar inclining inwardly, said arm having a socket at one end for engaging the sleeve nut for the inner wheel, a sleeve surrounding and journaled on, said arm and having a socket for engaging the nut for the outer wheel, a gear on said sleeve, an actuating shaft journaled in said bar, and a gear on said shaft meshing with said gear on said sleeve, said bar adapted at its inclined end to abut a part of the wheel structure and hold said first-named member against rotation when turning movement is imparted to said second member for unscrewing the nut for the outer wheel.

2,243,949
REFRIGERATING CIRCUIT PURIFIER
Daniel F. Fox, McKeesport, Pa.
Application September 7, 1939, Serial No. 293,739
9 Claims. (Cl. 210—131)

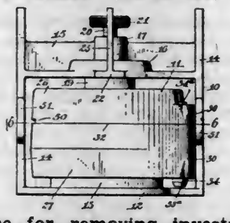
1. A purifier for the fluid circuit of a mechanical refrigerating system, comprising a receptacle adapted to be partly filled with a dehydrating material and provided at one end with an inlet and at its opposite end with an opening, a closure for said opening provided with an outlet

passage, a screen disposed between the inner end of said passage and the dehydrating material, and a rigid perforated disc-like retaining mem-



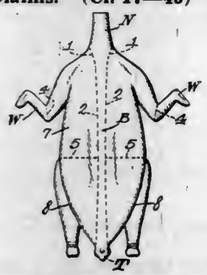
ber secured at its center to said closure for holding said material away from the screen.

2,243,950
DEVICE FOR REMOVING INVESTMENTS FROM SECTIONAL DENTAL FLASKS
Edmond J. Franwick, Buffalo, N. Y., assignor to Hanau Engineering Company, Inc., Buffalo, N. Y., a corporation of New York
Application June 26, 1939, Serial No. 281,183
9 Claims. (Cl. 18—33)



1. A device for removing investments from sectional dental flasks, comprising holding means to engage and hold the investment immovably therein while within said flask, and means provided on said holding means to permit a pry to be fulcrumed thereon for separating the sections of the flask and freeing the investment therefrom while retained immovably in said holding means.

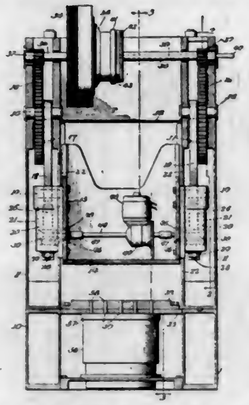
2,243,951
METHOD OF DIVIDING A CHICKEN
Henry Charles Gehlke, Cleveland, Ohio
Application March 7, 1939, Serial No. 260,394
4 Claims. (Cl. 17—45)



1. The method of dividing the white meat from

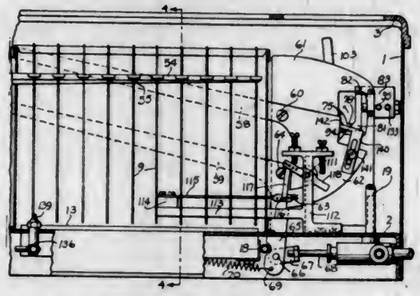
the dark meat of a chicken which includes cutting from the carcass a back strip comprising the neck, backbone and tail, separating the thighs from the breast from front to back and from each other at the front, and dividing the wings at the second joints, thereby to produce three choice pieces, and three less choice pieces.

2,243,952
PRESS
Rudolph W. Glasner, Chicago, Ill.
Application April 1, 1939, Serial No. 265,401
6 Claims. (Cl. 113—38)



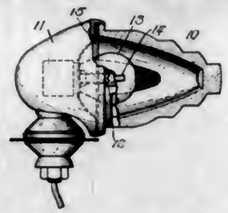
1. A press embodying spaced uprights, a slide reciprocable between the uprights, each of said uprights embodying oppositely spaced walls, a shaft supported completely by both walls of the respective uprights, the length of said shaft being commensurate with the width of the upright in directions lengthwise of the shaft, a gear supported by each of said shafts, operative connections between said gears and said slide, said connections being disposed within the respective uprights, the work resisting stresses upon the slide being exerted lengthwise of the respective uprights and entirely upon the said walls thereof through the medium of the respective said shafts, and means for rotating said gears.

2,243,953
AUTOMATIC GAS HEATER
William A. Graham, Houston, Tex.
Application April 13, 1939, Serial No. 267,559
8 Claims. (Cl. 53—5)



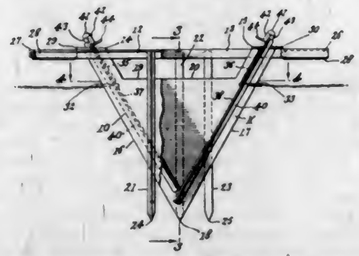
8. In a gas fired toaster, a food rack, a latch to hold said rack in position to toast the food therein, adjustable means operated by the gas fuel to release said latch, and additional means responsive to the heat adjacent the rack to adjust said first means to vary the interval before release in proportion to such heat.

2,243,954
SIGNAL APPARATUS
Henry R. Gross, Chicago, Ill.
Application June 24, 1939, Serial No. 281,039
1 Claim. (Cl. 177—329)



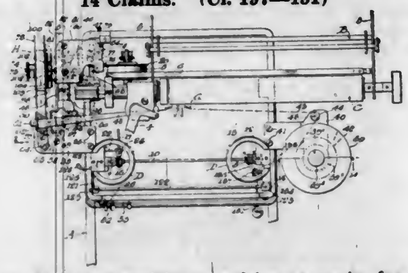
Signal apparatus, including, a hollow lens generally conical in shape, with a light source adjacent the interior thereof, and with the outer surface of the lens terraced to provide separate surfaces so located as to form substantially the outline of an arrow, each of these separate surfaces being so angularly arranged with respect to light reaching it from the light source as to reflect an image of such light source in a horizontal direction and substantially perpendicular to the longitudinal axis of the lens, the reflected rays from each separate surface being substantially parallel to the reflected rays from the other separate surfaces.

2,243,955
TREE TRANSPLANTER
George Tayloe Gwathmey, Orlando, and Lomax Gwathmey, Apopka, Fla.
Application June 10, 1940, Serial No. 339,796
10 Claims. (Cl. 47—37)



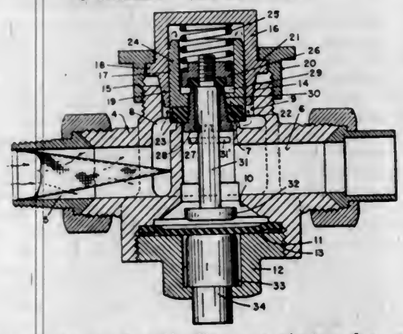
1. An improved tree transplanter comprising side rails, divergent pairs of handles extending from the ends of said rails, cross bars for securing said rails in spaced relation, substantially triangular thin side walls carried in substantially parallel relation to one another by said rails, guide plates extending convergently down from said cross bars between said plates and attached thereto, guide bars carried by said rails spaced outwardly of said cross bars, gauge bars extending across and attached to said side plates below and set inwardly from said guide bars, said gauge bars and guide bars forming with said plates downwardly convergent guideways at opposite end portions of the frame, and removable substantially rectangular end walls insertable freely through said guideways and adapted to form with the side walls a complete enclosure.

2,243,956
TYPEWRITING MACHINE
George F. Handley, Glendale, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Application July 20, 1939, Serial No. 285,598
14 Claims. (Cl. 197—151)



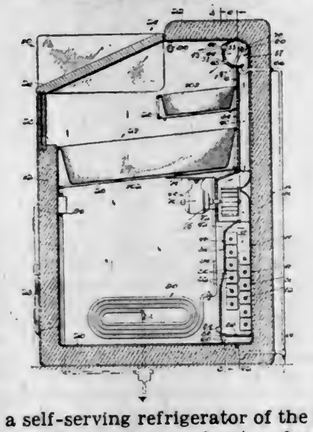
11. In a typewriting machine, a main frame; a carriage mounted thereon for letter-spacing and return movements; a rotary power-operated drum journaled on said main frame adjacent the rear and one end thereof; connections between said drum and said carriage for effecting letter-spacing drive of the carriage by rotation of the drum; a gear rotatable by said drum; and ribbon feeding equipment attachable to said main frame and comprising an auxiliary frame mounted on said main frame at the end of the latter adjacent said drum, a feed roll journaled on said auxiliary frame, a take-up roll journaled on said auxiliary frame, driving connections between said feed roll, said take-up roll, and said drum-rotatable gear, the connections between said take-up roll and said drum-rotatable gear including an impositive drive device, and means for training ribbon over and in peripheral contact with said feed roll from whence to extend to and be wound upon said take-up roll.

2,243,957
VALVE
Herman E. Heine and Howard G. Mullett, Milwaukee, Wis., assignors to Bradley Washfountain Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 11, 1939, Serial No. 308,515
6 Claims. (Cl. 137—139)



1. In an hydraulically operated valve, the combination of a valve casing provided with a liquid inlet, a liquid outlet, and a valve controlled passage between said inlet and outlet, a main control valve in said passage having a stem, a back pressure chamber communicating with said inlet and including a guide for said stem, means for contracting and expanding said guide relative to said stem to vary the clearance space therebetween to vary the rate of flow of liquid from said inlet to said back pressure chamber, a valve controlled passage between said back pressure chamber and said outlet, and an exteriorly operable pilot valve controlling said last named passage.

2,243,958
REFRIGERATING SYSTEM
Edgar J. Hermann, San Antonio, Tex.
Application January 2, 1941, Serial No. 372,927
7 Claims. (Cl. 62—89.5)

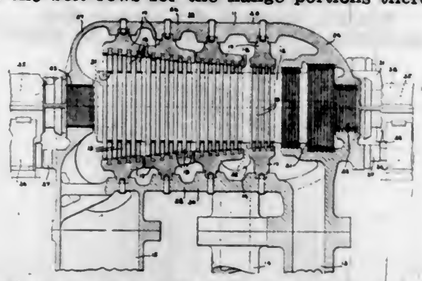


1. In a self-serving refrigerator of the class described, a cabinet including front and rear walls, end walls and a bottom, said walls providing a display opening at the top of the cabinet coextensive with the length thereof, a display surface disposed within the cabinet below said open top and having openings therethrough to permit the passage of cooled humidified air downwardly therethrough, means providing a humidifying chamber adjacent the top of the cabinet and within the same, said chamber extending substantially the entire length of the cabinet, means establishing communication between the humidifying chamber and the space within the cabinet existing above said display surface, means forming a substantially vertical air conduit providing a cooling chamber at the rear of the cabinet and extending across the cabinet throughout its entire length, cooling means disposed within said conduit, means disposed within the conduit for impelling air therethrough upwardly, means establishing communication between the conduit and the humidifying chamber, there being an opening in the conduit adjacent the lower regions thereof communicating with the interior of the cabinet, a cooling coil disposed in the cabinet adjacent the bottom thereof, means for supplying water to said coil, and means establishing communication between the coil and the humidifying chamber.

2,243,959
HIGH-PRESSURE TURBINE
Robert Hertl, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 16, 1940, Serial No. 314,133
3 Claims. (Cl. 253—69)

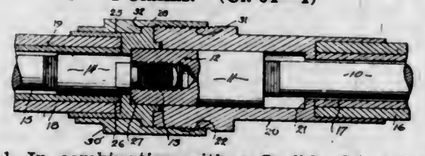
1. In an axial-flow, elastic-fluid turbine, a rotor, a casing for the rotor, said casing including upper and lower halves having flanges providing

a joint in the horizontal plane of the rotor axis, rows of bolts for connecting the respective mating flanges, and stationary and moving blading carried by the casing and by the rotor; said casing including a blade-bounding portion having the circumferential part thereof adjacent to the high-pressure side of the blading merging into a spherical high-pressure end portion of approximately the same radius with the portions of the bolt rows for the flange portions thereof



conforming thereto, said casing defining annular steam admission spaces ahead of the blading and at suitable expansion point or points along the latter, said upper and lower casing halves each having, for the first admission space, a steam admission passage approximately at the vertical plane of the rotor axis and having, for the second admission space, a pair of steam admission passages spaced from the respective adjacent joints and from each other approximately the same circumferential distance.

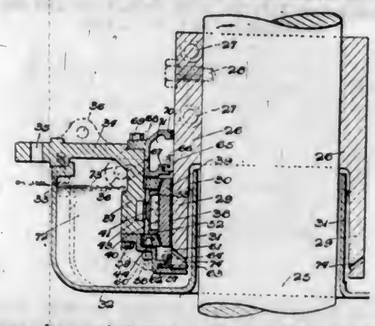
2,243,960
FLEXIBLE DRIVE SHAFT COUPLING
Clarence F. Hotchkiss, Jr., Binghamton, N. Y.
Application February 4, 1938, Serial No. 188,753
4 Claims. (Cl. 64—4)



1. In combination with a flexible drive shaft including an outer flexible sheath, a coupling comprising means for securing the adjacent ends of said inner shaft, and means for securing the adjacent ends of said sheath, the last mentioned means comprising two sleeves each attached to one of said ends one having an annulus and the other having an exterior threaded portion and both of said sleeves having inwardly extending means to provide an elongated open ended chamber through which said shaft passes and adapted to house securing means, and a threaded collar retained on the first mentioned sleeve by the annulus and adapted to threadedly engage the threaded portion of the last mentioned sleeve, said means for securing adjacent ends of the inner shaft being carried in assembled relation within said chamber and adapted for longitudinal movement therein between said inwardly extending means.

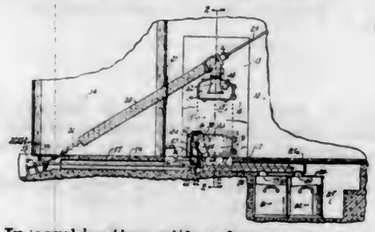
2,243,961
BEARING
Harry A. S. Howarth, Philadelphia, Pa., assignor to Kingsbury Machine Works, Inc., Philadelphia, Pa., a corporation of Delaware
Application July 17, 1937, Serial No. 154,290
50 Claims. (Cl. 308—73)

4. In a radial bearing, in combination with a shaft provided with a relatively rotatable bearing surface, a plurality of tiltably mounted shoes cooperating with said surface, means embracing said shoes and cooperating with the rotatable bearing surface to provide a chamber in which



oil may be maintained to keep said shoes immersed in oil, said means including floatingly mounted sealing means, and means associated with said shaft for delivering oil to said chamber and maintaining the same filled with oil.

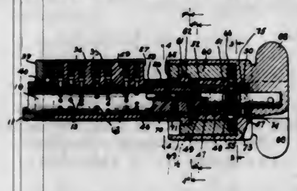
2,243,962
STOKER
Paul A. Ketchpel, West Englewood, N. J., assignor to The Standard Stoker Company, Inc., a corporation of Delaware
Original application August 2, 1934, Serial No. 738,039. Divided and this application January 30, 1936, Serial No. 61,518. Renewed September 29, 1939
21 Claims. (Cl. 110—165)



9. In combination with a furnace having a firing opening and a grate, a stoker fuel conveyor leading from a source of fuel supply to the firing opening in said furnace, an ash conveyor beneath said grate, said fuel conveyor and said ash conveyor each having shaft extensions terminating adjacent each other, power transmission means operatively connecting the adjacent ends of said shafts, said transmission means having a shaft universally connected with said stoker conveyor shaft and a second shaft universally connected with said ash conveyor shaft, said transmission means being mounted so that the angle between its first named shaft and the stoker conveyor shaft is approximately equal to the angle between its second named shaft and the ash conveyor shaft.

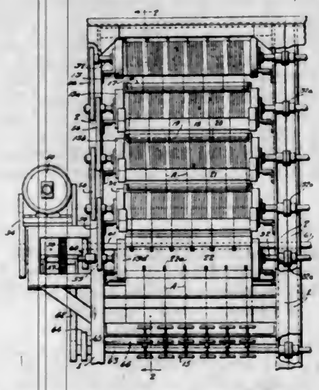
11. In combination with a furnace having a grate, a stoker for conveying fuel from a source of supply to the furnace and delivering it onto said grate, an ash pit beneath said grate, an ash receptacle, means for conveying the ashes from said pit to said ash receptacle, means for operating said stoker, a drive connection between said stoker and said ash conveyor for operating the latter from said stoker, and means for automatically rendering said ash conveyor inoperative when said receptacle is filled, without interrupting operation of said stoker.

2,243,963
WATCHMAN'S TOUR SYSTEM
William J. Kleinknecht, Garden City, N. Y., assignor to American District Telegraph Company, Inc., Jersey City, N. J., a corporation of New Jersey
Application April 14, 1938, Serial No. 202,013
33 Claims. (Cl. 177—380)



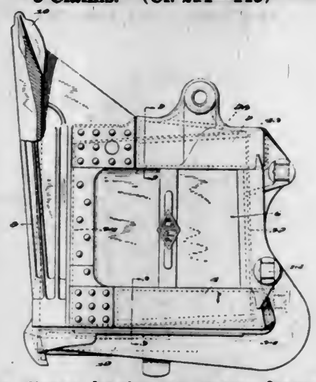
1. A register having three station engaging parts movable relatively to each other for conditioning the register; means for locking two of the parts together, means for positively constraining one of the parts to move relative to the other two as a result of relative movement between said other two parts.

2,243,964
MANUFACTURE OF THREAD OR THE LIKE
Hayden B. Kline, Cleveland, Walter F. Knebusch, Rocky River, and Alden H. Burkholder, Cleveland, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Original application January 12, 1933, Serial No. 651,404. Divided and this application May 21, 1938, Serial No. 209,332
8 Claims. (Cl. 242—53)



1. A thread-advancing reel adapted to facilitate the automatic discharge of thread therefrom having a periphery made up of a plurality of axially extending bar members the thread-bearing surface of each of which is provided with a thread-advancing portion and, distinct from said thread-advancing portion, an adjacent thread discharge portion within the limits of which the thread-bearing surface of the bar member is characterized by a marked reduction in area of contact with the thread as compared with that of the thread-advancing portion.

2,243,965
DIPPER
Paul V. Larsen, Chicago, Ill., assignor to Pettibone Mulliken Corporation, Chicago, Ill.
Application March 20, 1940, Serial No. 325,071
5 Claims. (Cl. 214—145)



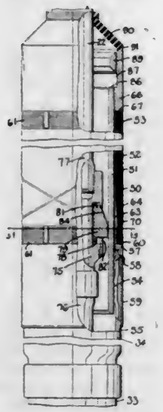
1. In a dipper having an upper frame and a plate forming a side of said dipper, said upper frame comprising a channel-shaped member having a vertical web and two horizontal flanges, a third flange depending from one of said two flanges and having a surface aligned with a surface of said plate, a weld uniting the free end of said third flange with the upper edge of said plate, and the free edge of the other of said two flanges abutting another surface of said plate and being welded thereto.

2,243,966
HAND FORM
Milton H. Larson, Bronson, Mich., assignor to L. A. Darling Company, Bronson, Mich., a corporation of Delaware
Application April 26, 1940, Serial No. 331,777
2 Claims. (Cl. 223—78)



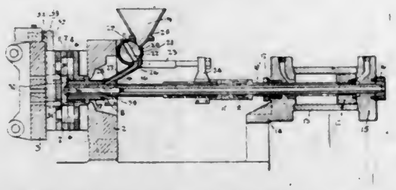
1. A display device for gloves composed of a body member and one or more tubular digit members connected at one end to the body member, said digit members being of a diameter to receive the fingers of a glove thereover and formed of interwoven wire fabric which is bendable but non-resilient and maintains the position to which it is bent, the fabric being loosely woven so as to provide for flexure of the digit members and movement thereof throughout 360° about their points of connection with the body member so as to provide for various selective positioning of the digit members, the wire of the fabric being of such gage and strength so as to hold their given shape and thereby prevent the digit members from collapsing during placement of a glove finger thereover and also during said 360° movement thereof.

2,243,967
PACKER AND SETTING TOOL
Leslie A. Layne, Harold C. Block, and Albert L. Roco, Houston, Tex.; said Block and said Roco assignors to said Layne
Application January 29, 1937, Serial No. 122,948
10 Claims. (Cl. 166—10)



1. In a well bottom assembly including a set shoe, wash valve, screen, packer, wash pipe, and setting tool the combination of a sleeve on said wash valve, an internal connection therein to releasably receive said wash pipe, and an external connection thereon whereby said valve may be moved to open or closed position by said wash pipe, said internal thread being a coarse tapered thread, and means to seal the top and bottom of said internal thread.

2,243,968
PLASTIC CASTING MACHINE
Nathan Lester, Cleveland Heights, Ohio, assignor to Lester Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application April 15, 1938, Serial No. 202,301
2 Claims. (Cl. 18—30)

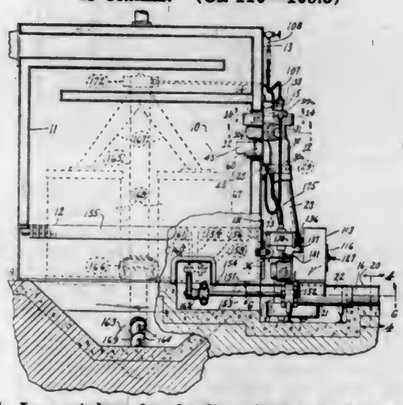


1. In a pressure casting machine, the combination of a pressure casting cylinder, a fixed cylinder mounted within said pressure casting cylinder and having its outer wall spaced from the inner wall of said pressure casting cylinder, an annular plunger reciprocable in and adapted to completely occupy such space between said cylinders, a hydraulic piston connected to said annular plunger, a fixedly supported hydraulic cylinder for said piston, said hydraulic cylinder being spaced and separate from said casting cylinder, said fixed cylinder extending beyond said piston and being mounted in the head end of said hydraulic cylinder.

2,243,969
BOOT OR SHOE
Joseph M. Lurie, Lewiston, Maine, assignor to W. S. Libbey Company, Lewiston, Maine, a corporation of Maine
No Drawing. **Application September 3, 1938, Serial No. 228,453**
3 Claims. (Cl. 91—68)

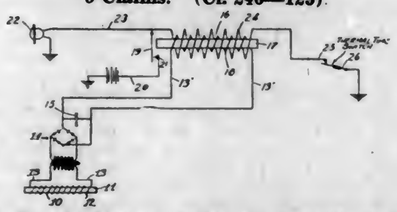
1. A lining material for a boot or shoe comprising a fabric napped on one side, said nap being rubberized with a heavily loaded vulcanized rubber stock containing an inorganic filler in an amount of from .7 to 2.8 parts by volume to 1 part by volume of rubber.

2,243,970
FURNACE APPLIANCE
Nathan M. Lower, Erie, Pa.
Application September 23, 1936, Serial No. 102,057
Renewed January 31, 1940
18 Claims. (Cl. 110—105.5)



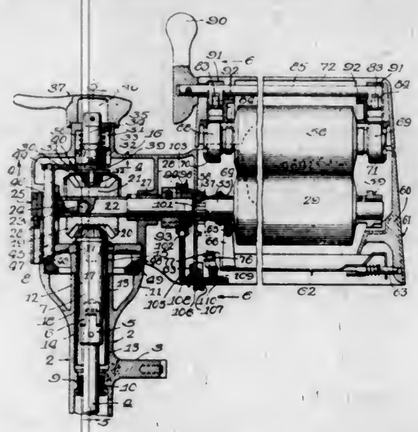
1. In a stoker for feeding fuel to a furnace, a trough opening into said furnace, means for delivering fuel to said trough, means for issuing a continuous blast of fluid under pressure for continuously projecting the fuel from said trough into the furnace, means for continuously horizontally oscillating said trough, means for continuously varying the intensity of said pressure fluid blast and means common to said trough oscillating means and said blast intensity varying means for actuating the same in synchronism.

2,243,971
RAILROAD SIGNALING DEVICE
Thurlow H. Msatsch, Flint, Mich.
Application October 17, 1938, Serial No. 235,440
6 Claims. (Cl. 246—125)



1. In a highway crossing, in combination with track rails, an electro-magnetic circuit including an electromagnet embedded in the highway a distance from the track rails; an alternating current source for said electromagnet in electrical circuit with said track rails; means controlled by the presence of a car on said track rails within a predetermined distance from said crossing for completing the circuit to said electromagnet; a vehicle; an electrical pick-up circuit carried by the vehicle and arranged to cooperate with electromagnetic lines of force emanating from the embedded electromagnet; an electrical relay adapted to receive energy from said pick-up circuit; a first circuit comprising in series a warning signal, local battery means, and switch means operable by said electrical relay; and a second circuit comprising in series the said warning signal, a holding winding for said electrical relay, and a normally closed time delay switch; whereby the warning signal will be energized initially by the action of the pick-up circuit in operating the electrical relay to close the switch means of the first circuit, and maintained in an energized condition until the time delay switch opens to release the switch means of the first circuit.

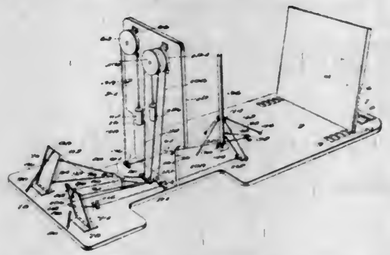
2,243,972
WRINGER CONSTRUCTION
John Mikulasek, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application November 21, 1936, Serial No. 112,062
7 Claims. (Cl. 68—249)



1. In a wringer construction, a drive pinion, a pair of driven gears adapted to be moved into a position where either of the gears is in meshing engagement with the pinion, a wringer roll adapted to be driven by either of the gears, latching mechanism including an indexing pin for locking the wringer against rotation in a horizontal plane, a crank head mounted in the casing for rotation and vertical movement, means carried by the crank head for shifting the gears upon rotation of the head, an annular recess in the periphery of the head, a spring-pressed plunger carried in the body of the crank head and adapted to extend into the annular recess, a yoke formed to be received in the annular recess and carrying at its one end the indexing pin, spaced indexing notches in the yoke adapted to receive the plunger in any one of the notches and a control lever for operating the crank head.

3. In a wringer construction having an upper and a lower section each carrying a pressure roll, the upper section being pivotally mounted on the lower section along one side of the latter, a drive and driven shaft for rotating the lower roll, and clutching mechanism associated with the pivotal mounting and connecting the shafts, this mechanism including a sleeve fixed on the drive shaft, a sleeve fixed on the driven shaft, a clutching sleeve slidable on the first mentioned sleeves and adapted to couple or uncouple these sleeves, and a yoke associated with the clutching sleeve and pivotal mounting for uncoupling these sleeves and shafts when the upper section and roll are released from the lower section.

2,243,973
AIRPLANE PILOT TRAINER
Edward K. Mills, Jr., Morristown, N. J.
Application November 9, 1940, Serial No. 365,088
4 Claims. (Cl. 35—12)

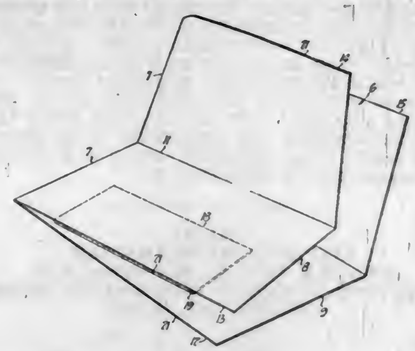


1. An airplane training device simulating an airplane cockpit comprising an elongated base, a seat adjacent the rear end of the base and facing forwardly towards the other end, an upright instrument panel affixed to said base forwardly of said seat, a joy stick swiveled to said base between said seat and said instrument panel, left and right pedals pivotally mounted on the base adjacent the front end thereof, said pedals being movable forwardly and rearwardly, means yoking said pedals for moving either of the same rearwardly upon forward movement of the other, a first indicator simulating a turn indicator on said panel, transmission means operatively connecting said first indicator and said pedals for moving said first indicator to the left and right, respectively, upon corresponding turn-controlling movements of said pedals, a second indicator simulating a bank indicator on said panel, a first pulley mounted on said base at one side of said joy stick, a second pulley on one of said pedals, and a cable connected at one end to said joy stick, said cable passing through the first and second pulley and having the other end operatively connected with said second indicator whereby to move said second indicator in left and right bank indicating directions, respectively, when said joy stick is correspondingly moved and whereby to swing said second indicator to right and left bank indicating positions upon forward and rearward movement, respectively, of said left pedal.

2,243,974
FOLDER
Herbert H. Mitchell, San Francisco, Calif., assignor to The Kennedy-Ten Bosch Company, San Francisco, Calif., a corporation of California
Application January 2, 1940, Serial No. 311,985
2 Claims. (Cl. 281—18)

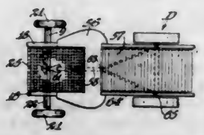
2. A folder comprising a paper sheet folded along a line of fold to bring its free edges into registry parallel to said line of fold, a second

sheet overlying part of said paper sheet with an edge disposed between and in registry with



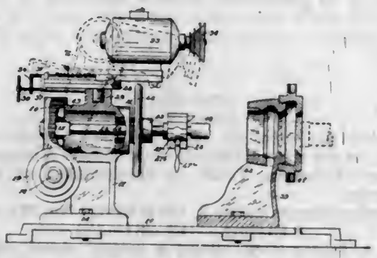
said free edges, and an adhesive film applied to all of said edges.

2,243,975
POTATO PICKER AND GRADER
John G. Mold, Harris, Minn.
Application March 9, 1939, Serial No. 260,706
9 Claims. (Cl. 55—51)



1. A potato digger having an elevated crop discharge means, a wheeled frame, an endless conveyer mounted for movement on said frame, a draw bar connecting said digger and said wheeled frame and maintaining said digger and said conveyer in constant spaced relation, said conveyer having an end positioned adjacent to and lower than the upper end of said crop discharge means, a receiving apron around the end of said conveyer and beneath the upper end of said crop discharge means, and said draw bar having a vertical pivot joint positioned beneath said apron and the upper end of said crop discharge means.

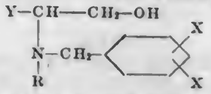
2,243,976
PIPE END CUTTING AND GRINDING MACHINE
Raymond P. Norton, Algona, Iowa
Application October 16, 1939, Serial No. 299,659
5 Claims. (Cl. 29—26)



1. In a pipe end grinding tool, the combination of a support, a shaft carried by the support, a tubular grinder shaft on the exterior of the said shaft, anti-friction bearing devices between said shafts, a grinder tool carried by said tubular shaft, and means for rotating the tubular shaft independently of the shaft on which it is mounted.

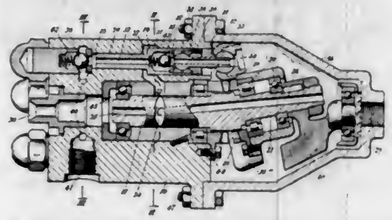
2,243,977
PROCESS FOR THE PREPARATION OF AMINO-ALCOHOLS
Julius Peyer, Basel, Switzerland, assignor to Sandoz, Ltd., Basel, Switzerland
No Drawing. Original application July 18, 1938, Serial No. 219,917. Divided and this application April 21, 1939, Serial No. 269,259. In Switzerland July 21, 1937
6 Claims. (Cl. 260—570.6)

1. A process for the manufacture of amino-alcohols, comprising the step of treating with hydrogen in the presence of palladium catalyst benzylamino-alcohols of the general formula



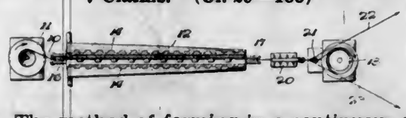
wherein X stands for a member of the group consisting of hydrogen, lower alkyl and lower alkoxy, Y stands for a member of the group consisting of lower alkyl and phenyl-lower alkyl and R stands for a member of the group consisting of hydrogen, lower alkyl and phenyl-lower alkyl.

2,243,978
ROTARY HYDRAULIC INTENSIFIER
Robert William Reader, Rochester, England, assignor to Integral Auxiliary Equipment Limited, London, England
Application August 14, 1939, Serial No. 290,012
In Great Britain August 27, 1938
7 Claims. (Cl. 103—49)



1. A rotary hydraulic intensifier, comprising a cylinder block, a shaft mounted for rotation in the cylinder block, a plurality of cylinders disposed in the cylinder block around said shaft each cylinder embodying a high pressure portion and a low pressure portion, a differential piston in each cylinder, connections between the pistons and the shaft for coordinating rotation of the shaft with reciprocation of the pistons in their respective cylinders in cyclical order, an inlet for connection to a source of pressure liquid, an exhaust outlet, a high pressure outlet, conduits connecting the inlet and outlets with the cylinders, and valves for controlling the flow of liquid through said conduits, the valves being arranged to admit pressure liquid from the inlet to each cylinder during the suction stroke of its piston and to discharge on the delivery stroke part of said liquid through the exhaust outlet and the remainder thereof through the high pressure outlet.

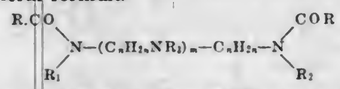
2,243,979
PRODUCTION OF ALUMINUM-COATED IRON OR STEEL
Richard S. Reynolds, Richmond, Va., assignor to Reynolds Metals Company, New York, N. Y., a corporation of Delaware
Original application December 17, 1935, Serial No. 54,890. Divided and this application February 15, 1939, Serial No. 256,543
7 Claims. (Cl. 29—188)



1. The method of forming in a continuous operation a ductile or malleable aluminum-coated iron strip including the steps of depositing iron on a cathode under conditions favoring the absorption of hydrogen by the iron, stripping the electrodeposited iron from its cathode, reducing the tendency of aluminum to disperse rapidly into the electrodeposited iron by reducing the porosity of the eletrodeposited iron at its surface by densifying the surface thereof without substantial loss of the included hydrogen, and then continuously passing said iron while retaining therein hydrogen released at the cathode in the electrodeposition cell into a bath of molten aluminum and releasing said included hydrogen from the iron under the heat of said bath to overcome interference with a substantially uniform adhesion of the aluminum to the iron by the reducing action of the included hydrogen on the oxides existing at said bath.

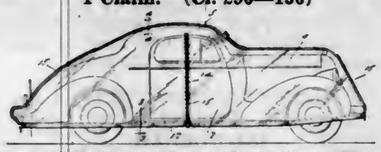
2,243,980
SOFTENING TEXTILES
Alfred Rheiner and Jakob Link, Basel, Switzerland, assignors to Sandoz Ltd., Basel, Switzerland
No Drawing. Application October 25, 1937, Serial No. 170,884. In Switzerland October 30, 1936
7 Claims. (Cl. 91—68)

1. A process of softening textiles, comprising treating same with water-soluble salts of diacylated polyalkylenepolyamines of the following general formula



R being a high molecular alkyl radical having at least 8 C-atoms, R_1, R_2 and R_3 being one of the group consisting of hydrogen and low molecular alkyl radicals with at most 4 C-atoms, and n and m meaning whole numbers.

2,243,981
AUTOMOBILE COVER
Bridgie Rowan, Chicago, Ill.
Application November 24, 1939, Serial No. 306,007
1 Claim. (Cl. 296—136)



A box-like slip-over cover for a streamline automobile comprising a top panel of substantially rectangular shape, a pair of duplicate side panels of general rhomboidal shape having horizontal straight-across upper edges sewn to the adjacent side edges of said top panel and the vertical end edges of the side panels gradually curving downwardly and outwardly and projecting beyond the transverse ends of said top panel, a rhomboidal front panel located between projecting curvate ends and having its top edge sewn to the complemental front edge of the top panel and the diverging side edges sewn to the front vertical edges of the side panels, said front panel being adapted to cover the frontal portion and hood with its rear portion designed to extend over the windshield, the upper portion of the front panel having an inverted U-shaped slit therein defining and forming a flap for exposing the windshield when the flap is swung down, a slide fastener for holding the flap in normally closed position, the lower end of the front panel having a vertical slit therein centrally arranged, a slide fastener for closing the slit, a rear panel having its upper edge connected to the rear edge of the top panel and its side edges connected with the rear end edges of the side panels and said rear panel having a centrally arranged vertical slit therein extending from its lower edge upwardly to a point spaced from the upper edge, a slide fastener for closing the last-mentioned slit, centrally arranged vertical slits in the side panels extending from the lower edges upwardly to points slightly spaced from the upper edges of the side panels, slide fasteners for closing the last-mentioned slits, the lower edges of the entire cover having a hem and horizontally extending elastic strips in the hem, each elastic strip extending from the lower end of one slit to the lower end of the adjacent slit, and said elastic strips holding the lower edge of the cover tightly around the lower part of the automobile.

2,243,982
SANITARY EYESHADE
Roy C. Seeley, Los Angeles, Calif.
Application September 25, 1939, Serial No. 296,405
2 Claims. (Cl. 2—12)

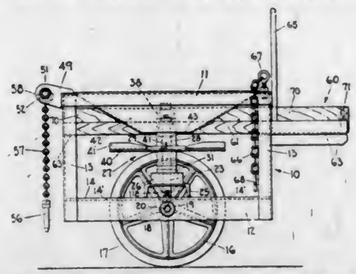


1. An eyeshade comprising a unitary piece of flexible, pliant, substantially opaque material of a length sufficient to extend from ear to ear and across the eyes of a wearer, the ends of said piece being formed with integral means to attach the shade to the ears, said integral attaching means including a flap adapted to be crumpled and inserted into the opening of the ear to retain said eyeshade in operative position.

2,243,983
CHIP SPREADER
Clifford B. Shaw, Newark, Ohio, assignor to The Galion Iron Works & Manufacturing Company, a corporation of Ohio
Application October 10, 1936. Serial No. 105,055
40 Claims. (Cl. 275—8)

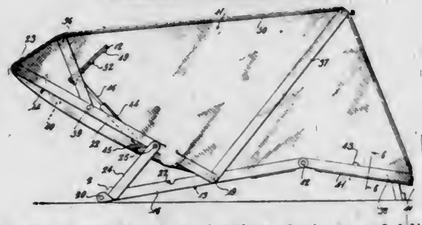
2. In a spreading apparatus for road material,

the combination with a frame, of a flat material distributing disc carried by said frame and mounted for rotation on an axis perpendicular to



the plane thereof, and a ground engaging wheel for supporting said frame and directly engaging said disc for rotation thereof.

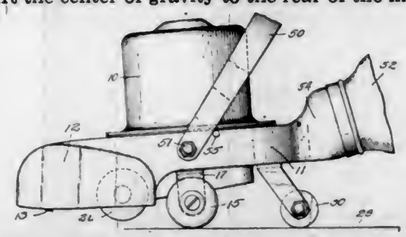
2,243,984
COMBINATION FOLDING CHAIR, CANOPY, AND SUNSHADE
Karl Singewald, Baltimore, Md.
Application April 1, 1940, Serial No. 327,292
7 Claims. (Cl. 155—139)



1. In a combination folding chair and folding canopy carried thereby including, seat and back rest defining frames, body supporting means held thereby, said frames being pivotally connected for relative movement to and from a position substantially in a straight line and an angular body supporting position, and a protective canopy, means attached at the point of pivotal connection of said frames for supporting the canopy in covering position with respect to the body zone defined by the frames to completely surround an occupant thereof, said means being foldable with said frames into an area not greater than the area of one of them.

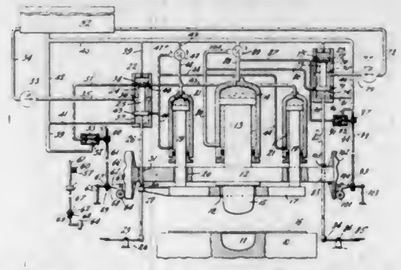
2,243,985
SUCTION CLEANER
Charles H. Sparklin, Chicago, Ill., assignor to Birtman Electric Company, Chicago, Ill., a corporation of Illinois
Application February 10, 1939, Serial No. 255,762
1 Claim. (Cl. 15—8)

A suction cleaner of the character described, including: a casing having a downwardly opening nozzle at the forward end thereof; suction means connected to the nozzle; a rotatable cleaning member in the nozzle normally in contact with the material being cleaned; a motor in the casing for rotating the rotatable cleaning member; a handle pivotally attached to the casing and adapted to extend upwardly and rearwardly therefrom during normal usage of the cleaner; a pair of main supporting wheels on which the casing is mounted, said wheels being only slightly to the rear of the center of gravity of the cleaner in normal usage; forward supporting means for normally maintaining the nozzle in proper operative relation to the surface being cleaned; stop means on the casing engaged by the handle upon rearward and downward movement beyond that to be expected in normal usage, the weight of the otherwise unsupported handle when in engagement with the stop means being sufficient to shift the center of gravity to the rear of the main



supporting wheels, whereby releasing the handle automatically causes the cleaner to pivot about the axis of said wheels to elevate the nozzle and lift the rotatable cleaning member from contact with the material being cleaned; and rear supporting means normally spaced from said surface but adapted to engage it to support the cleaner in position with the nozzle elevated.

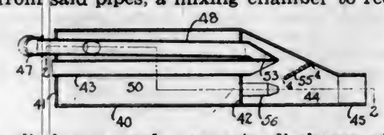
2,243,986
METHOD OF DRAWING METAL BLANKS
Thomas F. Stacy, Piqua, Ohio, assignor to The French Oil Mill Machinery Co., Piqua, Ohio
Original application November 5, 1935, Serial No. 48,382, now Patent No. 2,192,778, dated March 5, 1940. Divided and this application June 26, 1936, Serial No. 87,513
6 Claims. (Cl. 113—51)



1. The method of drawing a metal blank into a desired shape and size by the relative movement of two dies, which comprises clamping said blank against one of said dies, drawing said blank to the desired size and shape by relative movement between said dies, and varying the rate of relative movement of said dies in their action on the blank and releasing the clamping pressure of said blank against said one die sufficiently to allow limited and controlled slippage of the blank on said one die in correlated relation to one another, whereby unusually deep draws may be made in the blank without tearing of the blank.

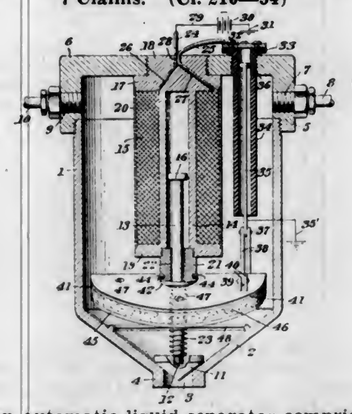
2,243,987
OIL BURNER
Thomas J. Stokes, Houston, Tex.
Application January 11, 1937, Serial No. 119,977
3 Claims. (Cl. 158—74)

1. An oil burner including a housing, an oil supply pipe, a steam pipe, said pipes being connected in the housing, an air inlet pipe, a nozzle construction to mix the discharging oil, steam and air from said pipes, a mixing chamber to receive



such discharge, and means to discharge steam into said chamber.

2,243,988
AUTOMATIC LIQUID SEPARATOR
William Stone, St. John's, Newfoundland
Application November 29, 1938, Serial No. 242,999
7 Claims. (Cl. 210—54)



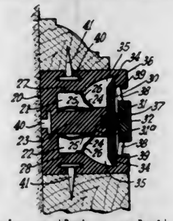
1. An automatic liquid separator comprising a vertical container shell having liquid inlet and outlet openings in the upper portion thereof and a drain opening in its bottom, the portion of the shell below the inlet and outlet openings constituting a liquid trap, a self-closing retractable valve element normally closing said drain opening, a spring closing said valve element, a correlated electro-magnet within the shell for retracting said valve element, a circuit for said electro-magnet being normally broken and the magnet accordingly de-energized, a normally open switch element in said circuit for closing the circuit of the magnet, and float means in the lower portion of the container having an operable connection with the switch element whereby to actuate said element to close the circuit of the magnet when liquid of a certain specific gravity reaches a predetermined level in the trap portion of the container.

2,243,989
DISK PLOW
Carl G. Strandlund, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 13, 1936, Serial No. 74,082
19 Claims. (Cl. 97—102)



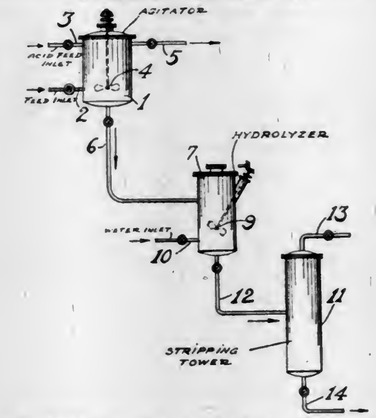
1. A plow comprising a frame, soil engaging tool means carried thereby, generally vertically movable supporting wheel means for one end of said frame, connections between said frame and said wheel means, means acting through said connections for moving said tool means into and out of inoperative position and including a part movable in one direction relative to said frame, said supporting wheel means including a part movable in a direction generally at right angles to said first named direction when said frame is raised and lowered, and spring means connected with said parts and reacting against said frame for assisting in lifting the latter and also loading at least a substantial portion of the weight of said supporting wheel means on said frame.

2,243,990
ELECTRIC OUTLET CONDUIT
Percy M. Thorn, New Rochelle, and Alexander Parlini, Woodside, Long Island, N. Y., and Heinz Recker, Ridgewood, N. J.; said Parlini and Recker assignors to said Thorn
Application August 6, 1938, Serial No. 223,446
5 Claims. (Cl. 173—334.1)



1. An electric outlet conduit having in combination a longitudinal insulating strip having two parallel channels therein separated by a dividing wall and spaced a distance sufficient to receive the prongs of a plug, a longitudinal conducting strip in each of said channels each having in cross section two divergent arms held in compression by the side walls of the channel, a rubber strip upon the outer end of said dividing wall and having its lateral edges so disposed as to close said channels in which the rubber strip is provided with a central longitudinal bead and the outer end of the dividing wall is provided with a longitudinal recess to receive said bead.

2,243,991
PREPARATION OF ALKYL ESTERS
Hans G. Vesterdal, Elizabeth, N. J., assignor to Standard Alcohol Company
Application November 24, 1937, Serial No. 176,165
6 Claims. (Cl. 260—460)



1. Process for the production of esters from

olefins comprising contacting said olefins of higher molecular weight than ethylene with a mixture of phosphoric acid and fuming sulfuric acid to form acid olefin esters, under conditions under which no substantial sulfonation of the olefins takes place.

2,243,992

FLEXIBLE OPERATING INSTRUMENT

Frederick Charles Wappler, New York, N. Y.
Application September 9, 1939, Serial No. 294,113
12 Claims. (Cl. 128—8)

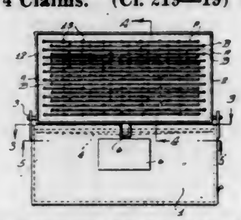


11. In an operating instrument of the character described, a telescope tube and an operating tube arranged side by side, the rearward portions of said tubes being relatively rigid, the forward portions being of resilient flexible construction, a relatively rigid sheath carried by one of the rigid portions and ensheathing both rigid portions, and a flexible sheath ensheathing both flexible portions and retaining them together as a flexible unit, said rigid and flexible sheaths having outer surfaces forming flush continuations of each other.

2,243,993

ELECTRIC COOKER

Glenn W. Watson, Detroit, Mich., assignor to Penweld Corporation, Detroit, Mich., a corporation of Michigan
Application December 5, 1938, Serial No. 243,923
4 Claims. (Cl. 219—19)



1. An electrical cooking apparatus comprising two units adapted to engage opposite surfaces of an article of food, each unit comprising a panel, parallel lines of conducting members thereon adapted to radiate heat at food-cooking temperatures, means electrically connecting alternate lines transversely at points intermediate their ends, dividing said lines into comparatively short lengths, means similarly connecting the intermediate lines, said two means being adapted for connection respectively to opposite sides of a circuit, the lines on one panel being at an angle to those on the other panel.

2,243,994

SOLUBLE OIL

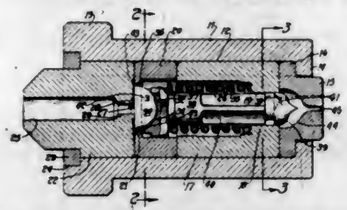
Elmer Wade Adams, Hammond, Ind., and Frederick H. MacLaren, Calumet City, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application December 30, 1938, Serial No. 248,518
6 Claims. (Cl. 252—33)

1. An emulsifiable composition having improved emulsifying and wetting properties comprising an oil and a chlorinated oil-soluble soap of sulfonic acid.

2,243,995

NOZZLE

Carroll R. Alden, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application August 12, 1937, Serial No. 158,639
15 Claims. (Cl. 299—107.6)

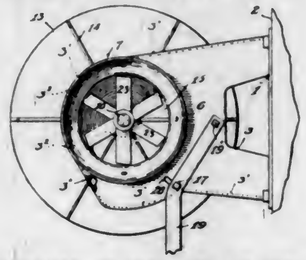


1. In a fuel injection nozzle, in combination, a body having a fuel inlet and a fixed cylindrical hole discharge orifice of constant restricted flow area and length, spring seated reciprocatory valve means for controlling the supply of fuel under pressure for discharge through said orifice, and means fixed with said means for effecting a centrifugal approach of the fuel to said orifice and for varying the angle of said approach progressively in direct response to changes in the degree of valve opening so as to alter the spray characteristics for different rates of delivery and to vary the coefficient of discharge of said hole orifice.

2,243,996

BROADCASTING MACHINE

Samuel E. Baughman, Broadwell, Ill.; Bernice G. Baughman, administratrix of Samuel E. Baughman, deceased
Application May 12, 1938, Serial No. 207,431
1 Claim. (Cl. 275—15)



In a broadcasting machine, the combination with a hopper having a discharge outlet in its bottom, and a distributing fan beneath the outlet spaced below said bottom, of a structure having a flange depending from the region of the hopper bottom to near the fan and forming a partial enclosure above the latter, said flange having terminals at the rear portion thereof spaced apart at a position rearward of the fan's axis creating an opening for the entrance of air to and upon the fan between the latter and said hopper bottom.

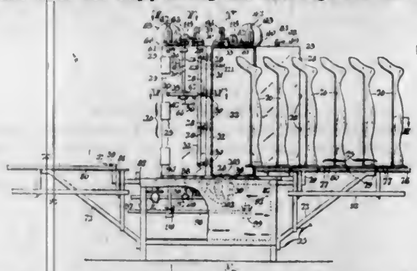
2,243,997

APPARATUS FOR TREATING TEXTILES

Emil J. Berger, Hatfield, and Howard W. Matthews, Lansdale, Pa., assignors to Dexdale Hosiery Mills, Lansdale, Pa., a corporation of Pennsylvania
Application February 24, 1940, Serial No. 320,656
24 Claims. (Cl. 223—76)

1. Textile treating apparatus comprising a

treating chamber with a fluid-tight door; valves for controlling admission and exhaust of vaporous treating medium into and from the chamber; a carriage for the textiles; means on the back of the door for supporting the carriage for move-

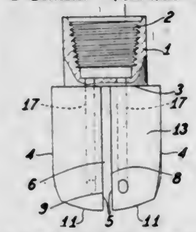


ment into and out of the chamber when the door is closed and opened; and a track external to the chamber for receiving the textile carriage from the supporting means on the back of the door when said door is in open position.

2,243,998

DRILL BIT FOR BORING WELLS

Ludwig W. Blau, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 19, 1938, Serial No. 196,856
1 Claim. (Cl. 255—61)



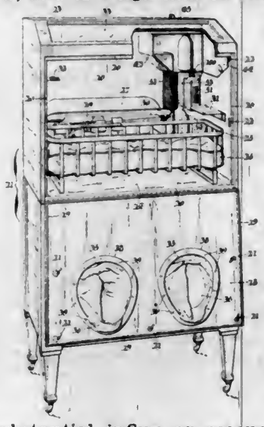
A fish tail bit for rotary drilling comprising a shank adapted to be connected to a drill stem, a pair of spaced blade sections extending forwardly of said shank, each blade section being separate from the other section throughout its length and of a triangular cross section the major portion of its length with the cross section increasing in size from front to rear and having at least two convex sides with one of them forming the front face of the section, said front face being longitudinally concave with respect to the direction of rotation.

2,243,999

BABY INCUBATOR AND THE LIKE

Charles C. Chapple, Philadelphia, Pa., assignor to The Children's Hospital of Philadelphia, Philadelphia, Pa., a corporation of Pennsylvania
Application March 4, 1938, Serial No. 193,883
9 Claims. (Cl. 128—1)

1. The combination of a closed incubator chamber, with a transparent window at its front, for containing an atmosphere of respiratory gas of determinate characteristics, to be breathed by a patient in the chamber; a rest and weighing scales for the patient in the lower part of the chamber, beneath said window; and flexible sleeves attached to the front chamber wall around arm openings therein and permitting an attendant to insert his hands into the chamber and move them around therein, so as to attend to a patient on the bed while observing him through the window, and to weigh him on the scales, all

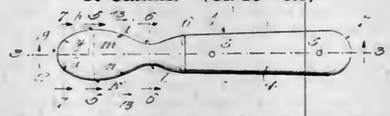


without substantial influx or escape of air or gas.

2,244,000

PUTTY KNIFE

Robert Wallace Oliver, Syracuse, N. Y.
Application June 7, 1938, Serial No. 212,348
10 Claims. (Cl. 18—3.5)

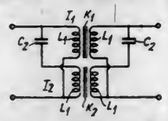


1. A putty knife having a free terminal applying portion of its blade whose lateral contour is substantially a part of an ellipse, said part being symmetrical about the major axis of said ellipse, said ellipse having a ratio of major axis to minor axis of substantially 1.6.

2,244,001

TRANSMISSION CIRCUITS

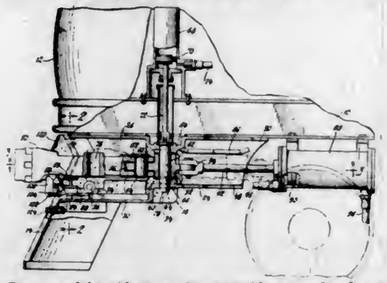
Christopher Dering Colchester, Sanderstead, Surrey, England, assignor to Radio Corporation of America, a corporation of Delaware
Application July 1, 1939, Serial No. 282,570
In Great Britain June 13, 1938
7 Claims. (Cl. 178—44)



1. An electrical energy transfer system comprising a plurality of transformers having their primary windings inter-connected and their secondary windings inter-connected, one of the plurality of said transformers having a primary winding whose inductance is substantially equal to one-fourth of the primary winding of another of said transformers multiplied by a factor of $1-k^2$, where k is the coupling coefficient between the primary and secondary windings of said first named transformer, a condenser connected across at least one of the primary windings, a condenser connected across at least one of the secondary windings, said condensers being so proportioned as to provide substantially constant amplitude of transfer energy between a predetermined minimum frequency and a pre-

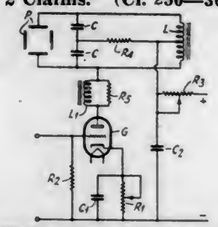
determined maximum frequency, and a phase correcting network connected across the interconnected secondary windings of the transformers.

2,244,002
LOCOMOTIVE COUPLING DEVICE
Richard M. Dilworth, La Grange, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 13, 1939, Serial No. 267,652
2 Claims. (Cl. 213—4)



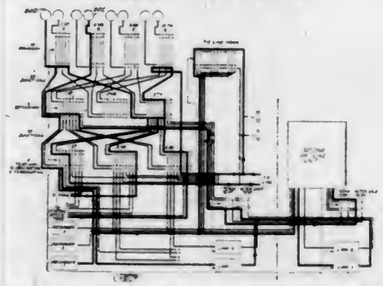
1. In combination, a locomotive underframe, a housing supported from said underframe, a carriage located in the housing and supported therein upon wheels whereby the carriage may be rolled forwardly or rearwardly in the housing, a coupler pivotally supported upon the carriage, a coupler operating bar carried by said carriage, and means for uncoupling the coupler pivotally supported in the housing and adapted to be in inoperative position when the coupler is in retracted position, said means being adapted to be swung into operative relation to said bar by the forward movement of said carriage.

2,244,003
SAWTOOTH OSCILLATOR
Charles Cecil Eaglesfield and John Archer, Mitcham Junction, Surrey, England, assignors to Radio Corporation of America, a corporation of Delaware
Application July 26, 1938, Serial No. 221,333
In Great Britain July 27, 1937
2 Claims. (Cl. 250—36)



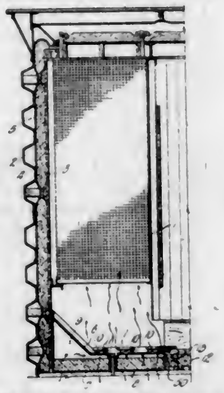
1. An oscillation generator comprising a thermionic vacuum tube having anode, cathode, and at least one control electrode, a resonant circuit connected in the anode-cathode circuit of the tube and comprising an inductance connected in parallel with two serially connected condensers, a resistive member connecting the center portion of said inductive member to the common pole of said condensers, a condenser connected to the center portion of said inductive member and serially connected with the anode and cathode of said tube, means for energizing the anode of said tube, a variable resistor interposed between said energizing means and said anode, a second inductive member, a resistive member connected in parallel with said second inductive member, said parallel circuit being connected in the anode-cathode circuit of said thermionic tube, a time constant circuit connected in the anode-cathode circuit of said tube and in the control electrode-cathode circuit of said tube, and means for intermittently impressing impulses through an external source onto the control electrode-cathode circuit of said tube.

2,244,004
TELEPHONE SYSTEM
Edson L. Erwin, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1938, Serial No. 189,940
11 Claims. (Cl. 179—18)



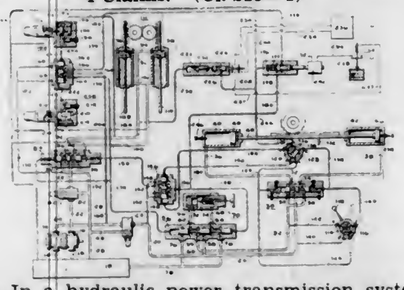
1. In a telephone system, a plurality of switching units, lines in each unit, links in each unit, common control means for all units, a special switch for each unit, means including a temporary connection through the switches of the unit in which a calling line is located between said calling line and the common control means for the establishing of an independent connection over a link from the calling line to a called line in any unit over switches of the units involved and the special switch associated with the unit in which the called line is located.

2,244,005
REFRIGERATION INSULATION
Albert L. Gustin, Jr., and Jay O. Breisford, Kansas City, Mo., assignors to Gustin-Bacon Manufacturing Co., Kansas City, Mo., a corporation of Missouri
Application February 17, 1939, Serial No. 256,904
11 Claims. (Cl. 62—19)



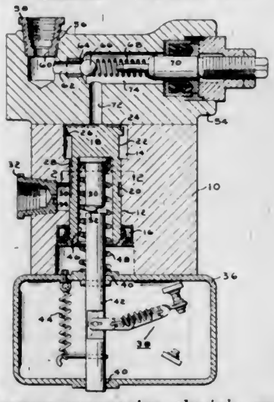
1. An insulated wall construction for refrigerated spaces including in combination, an inner wall forming a boundary for the refrigerated space, an outer wall spaced from said inner wall, fibrous heat insulating material positioned in the inter-wall space adjacent the outer wall having a surface spaced from the inner wall and forming a passageway therewith, sealing means for said insulation adjacent the outer wall, and means providing communication between said passageway and the space being refrigerated.

2,244,006
POWER TRANSMISSION
Ferris T. Harrington, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application November 7, 1938, Serial No. 239,308
4 Claims. (Cl. 219—4)



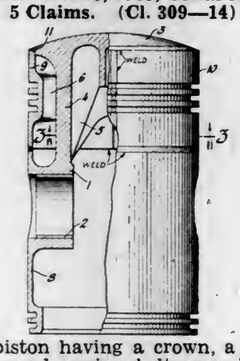
1. In a hydraulic power transmission system adapted to operate a spot welding machine the combination of a fluid motor for advancing and retracting a welding tool, a fluid motor for advancing a work carrier in forward and reverse directions relative to the tool, pump means for supplying fluid to operate said motors, control means for causing repeated advance and return cycles of the tool operating motor, and control means including a volumetric displacement metering device for causing actuation of the work carrier motor in a step-by-step fashion and including means responsive to pressure built up at the end of a stroke of the tool operating motor for resetting said metering device.

2,244,007
POWER TRANSMISSION
Ferris T. Harrington, Clifford V. Losey, and Raymond S. Miller, Detroit, Mich., assignors to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application July 13, 1939, Serial No. 284,208
7 Claims. (Cl. 200—82)



1. A pressure responsive electric switch comprising a body member enclosing an expansible chamber having a movable element, a snap-acting electric switch connected for operation by said movable element, a passage communicating with said chamber to form an inlet conduit adapted to be connected with a variable pressure source, a second passage communicating with said chamber at all times to form a continuously open outlet duct and adapted to be connected to a drain, a spring-loaded pressure responsive valve in said first passage and adapted to maintain said passage closed at pressures below a predetermined degree, and a readily replaceable bushing in said second passage at the outside of said body.

2,244,008
PISTON CONSTRUCTION
Ronald M. Hazen and Thomas S. McCrae, Jr., Indianapolis, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 16, 1939, Serial No. 279,410
5 Claims. (Cl. 309—14)

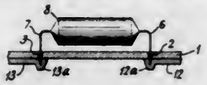


1. In a piston having a crown, a skirt, piston pin bosses, and a ring belt area in the outer wall of the piston between the crown and the piston pin bosses, a strut to support the crown from the piston pin bosses and forming an inner wall spaced from the outer wall of the piston to provide an enclosed annular insulating air space between the ring belt area and the strut forming the inner wall, said inner wall having at all points in its circumference a greater cross-sectional area than the cross-sectional area at points in its circumference above and below the ring belt area in the outer wall of the piston, whereby only small portions of the gas pressure loads and the heat to which the crown is exposed in an engine cylinder, are transmitted to the ring belt area, and the main portions of the gas pressure loads and the heat flow, are carried directly through the inner wall to the piston pin bosses, said piston consisting of a plurality of pieces fastened together, one of said pieces forming a part of the wall of the annular insulating air space and including the crown, the strut, and the bosses, there being a joint in the outer periphery of the piston above the piston pin bosses, between said piece and the remainder of the piston including the ring belt area.

2,244,009
ELECTRICAL APPARATUS
Johannes Nathanael Hiensch and Eduard Maria Henricus Lips, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a corporation of the Netherlands
Application August 4, 1939, Serial No. 288,351
In Germany September 2, 1938
1 Claim. (Cl. 173—324)

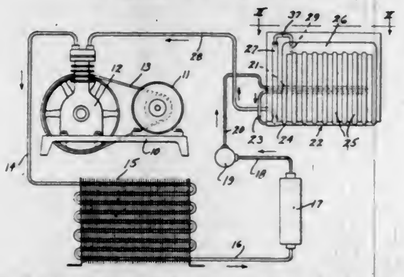
A wiring system for the component parts of

radio apparatus comprising an insulating base plate having formed therein suitably spaced apertures, the terminal leads of the component parts adapted to be disposed within said plate apertures, and a plurality of wire conductors having enlarged terminal portions die-cast on only one



of the surfaces of the base plate, said terminal portions being aligned with and surrounding the terminal leads to form a rigid union therewith, the component part leads and the base plate apertures being so dimensioned as to permit only partial penetration of the wire conductor material during the die-casting process.

2,244,010
EVAPORATOR
Bernard C. Johnson, Libertyville, and Edgard C. Franco-Ferreira, Chicago, Ill., assignors to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application May 10, 1940, Serial No. 334,306
8 Claims. (Cl. 62—126)



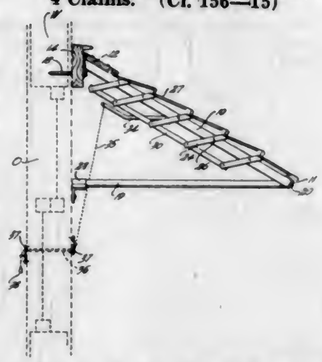
1. A sheet metal evaporator unit comprising secured-together contiguous metal sheets defining the side walls and bottom of a sharp freezing chamber, at least one of said sheets being embossed to define a header on each side wall, at least one of said sheets being further embossed to define a passageway along the side walls and bottom of the unit connecting the tops of the headers, and wick devices bridging the headers and the tops of the passageway for removing oil from the headers into the passageway.

2,244,011
BOAT HULL CONSTRUCTION
Dean B. Johnson, La Mesa, Calif., assignor to San Diego Marine Construction Co., San Diego, Calif., a corporation of California
Application June 10, 1939, Serial No. 278,516
5 Claims. (Cl. 114—65)



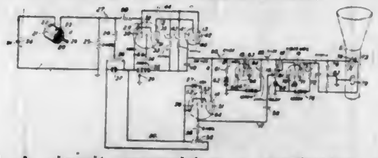
1. In a boat hull construction of the class described, the combination of a wooden keel, wooden planking, a metallic plate supported across the upper side of said keel and diverging upwardly in opposed direction in angular V-shaped form on opposite sides of said keel and forming the support for said wooden planking, and a substantially horizontal plate connected therewith at its side extremities and extending longitudinally of the keel.

2,244,012
SHUTTER AWNING
Hader Johnson, Los Angeles, Calif.
Application October 3, 1939, Serial No. 297,699
4 Claims. (Cl. 156—15)



1. In a device of the character described, a frame, means for attaching the frame over a window, a plurality of panels, levers pivotally mounted upon the frame connected to the panels, means for tilting the levers so as to tilt the panels relatively to the frame, the uppermost panel having an overlapping hinged connection with the attaching means, the connection between the uppermost panel and its lever being a slidable connection, the connections between the remaining panels and their levers being rigid.

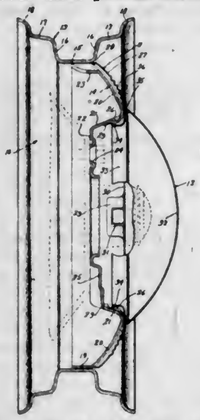
2,244,013
ELECTRIC CIRCUIT
William A. Knoop, Hempstead, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 11, 1939, Serial No. 255,903
13 Claims. (Cl. 178—7.7)



1. A circuit comprising a condenser, means comprising an electron discharge device having an anode, a cathode and a control member for slowly varying the charge on said condenser, means for amplifying the variations of charge on said condenser, said amplifying means having an output circuit, and a feedback connection from said output circuit to the control member of said electron discharge device to modify the rate at which the charge on said condenser is varied.

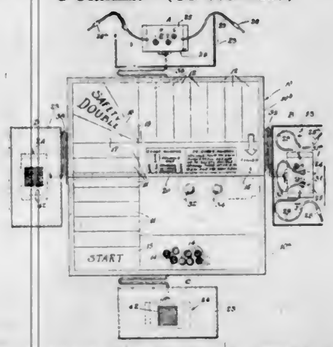
2,244,014
WHEEL COVER MEMBER AND ASSEMBLY
George Albert Lyon, Allenhurst, N. J.
Application October 6, 1939, Serial No. 298,217
8 Claims. (Cl. 301—37)

1. The combination comprising a wheel having a generally axially extending radially inwardly facing shoulder portion, a plurality of circumferentially spaced protuberances on said shoulder, and a sheet metal member for disposition of said wheel having a plurality of generally axially extending lips each having an opening therein, said lips being shaped and arranged to be sprung over said protuberances with said



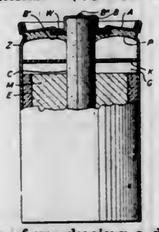
protuberances projected through said openings, and a second sheet metal member having a rearwardly projecting flange arranged to be sprung over said protuberances to retain said second member on said wheel by its own inherent resiliency.

2,244,015
GAME
Robert R. MacKinnon, Chicago, Ill.
Application August 3, 1940, Serial No. 350,847
3 Claims. (Cl. 273—134)



1. In a game of the type described, the combination of an electrical signaling device, a plurality of coder blocks with like sets of terminals on each, one such coder block for each of a corresponding number of players, means operable by a player at any one of said coder blocks for establishing any selected one of a predetermined series of supply circuits from a source of current to said signaling device but with an interruption in each circuit so established between a selected pair of terminals on his coder block, and means operable by a player at another coder block for bridging the interruption in any one of said circuits, the last mentioned means including interconnections between corresponding terminals on the several coder blocks and a jumper for interconnecting any desired pair of terminals on the last mentioned player's coder block, whereby the interruption in the circuit established by the first mentioned player is successfully bridged by the second mentioned player if the latter connects his jumper across the pair of terminals on his coder block corresponding to the pair on the first mentioned player's coder block between which the interruption existed.

2,244,016
PROCESS FOR MANUFACTURING DRY CELLS
Paul A. Marsal, Lakewood, Ohio, assignor to National Carbon Company, Inc., a corporation of New York
Original application March 18, 1936, Serial No. 69,503. Divided and this application March 30, 1938, Serial No. 198,815
13 Claims. (Cl. 136—133)



1. In a process of producing a dry cell in which, during assembling thereof, a central carbon electrode is inserted into a metal container electrode, active material and a complete electrolyte are disposed within said metal container electrode between the latter and said central carbon electrode, and a cover member has one margin thereof permanently secured to said metal container electrode and has another margin thereof supported by said central carbon electrode, the steps of loosely disposing, within said dry cell above said electrolyte and active material and prior to permanently securing said cover member to said metal container electrode, material adapted to solidify into a moisture-repellent, electrically non-conductive and electrolyte-creepage-resistant composition; inverting said cell, after permanently securing said cover member to said metal container electrode, to displace said material adjacent to the inner side of said cover member; and causing said material to flow against and solidify in permanent contact with an annular interior surface portion of said cover member and an adjoining annular interior surface portion of at least one of said electrodes, so as to produce an annular solidified mass of said composition which during the full life of the cell permanently internally bridges and seals the joint between said surface portions and resists creepage of electrolyte to and across said joint.

2,244,017
HUMIDIFIER
Clyde Maxwell, Glen Ellyn, Ill., assignor of one-half to Hans J. Zack, Chicago, Ill.
Application March 2, 1940, Serial No. 321,836
5 Claims. (Cl. 237—78)

4. In combination with a space heating radiator having a fitting at one end thereof for the inlet of a heating medium into said radiator, a pipe leading from a source of supply of said medium, a riser pipe adjacent said end of the radiator and having a screw threaded connection at one end with said fitting and having a screw threaded connection at its other end with said first mentioned pipe, an open top tubular member surrounding a part of said riser pipe and having a screw threaded water-tight supporting connection

at its bottom end upon said riser pipe so as to provide a surrounding reservoir for water having a direct heat absorbing engagement with said



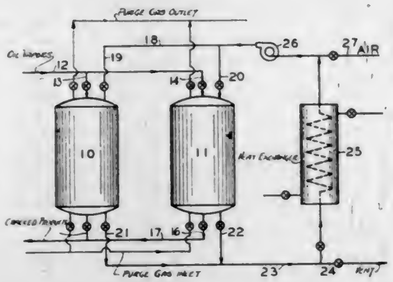
riser pipe, and a member associated with the open top of said tubular member and surrounding said riser pipe and being formed for the escape of vapor from said reservoir to atmosphere.

2,244,018

METHOD OF CARRYING OUT CATALYTIC REACTIONS

John C. Munday and Edward W. Nicholson, Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware

Application June 3, 1939, Serial No. 277,156
3 Claims. (Cl. 196—52)



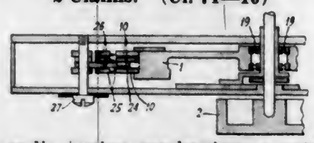
3. In the catalytic cracking of hydrocarbon oils wherein the catalyst is subjected to periodic regeneration treatment and wherein the regeneration is accomplished by continuously passing an oxygen containing gas from an extraneous source in admixture with recycle regenerating gases, through the catalyst to be regenerated; the improvement which comprises discontinuing the supply of extraneous oxygen containing gas before complete removal of said carbonaceous deposits, continuing the recycling of said regenerating gas to utilize unconsumed oxygen contained therein for further regenerating said catalyst mass and to saturate said contact mass with carbon dioxide, and thereafter using said regenerating mass to effect cracking without intermediate purging treatment and while the mass is still saturated with carbon dioxide.

2,244,019

DRIVE MECHANISM FOR TUNING MEANS

Erich Paschke, Berlin-Neukoelln, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application December 6, 1938, Serial No. 244,163
In Germany December 9, 1937
2 Claims. (Cl. 74—10)



1. In radio tuning mechanism, a rotary tuning shaft, a cylindrical member driven by said shaft, a plurality of split ring members each provided with a peripheral notch frictionally carried by said cylindrical member and adjustable thereon circumferentially to represent a selected station, means selectively operable to engage the notch of each of said ring members to enable the latter to be held stationary, and additional selectively operable means adapted to expand the ring members to reduce their frictional engagement with the cylindrical member, so that upon rotation of the tuning shaft the relative angular relation between each of the ring member notches and the tuning shaft may be altered.

2,244,020

LIQUID DISPERSION OF CARBON BLACK AND VINYL RESINS

Carl William Patton, Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application March 23, 1938, Serial No. 197,585
3 Claims. (Cl. 260—41)

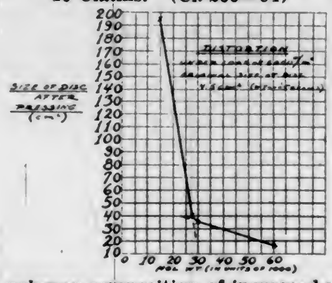
1. Process for producing a liquid coating composition of a vinyl resin and carbon black pigment, stabilized against agglomeration of the pigment particles, which comprises wetting the carbon black pigment with a solution of ammonia in an inert volatile organic liquid which is a non-solvent for the vinyl resin, grinding the wetted pigment with the vinyl resin, and dispersing the fluxed composition in a solvent for the vinyl resin.

2,244,021

POLYMER COMPOSITION

Raphael Rosen, Elizabeth, and Robert M. Thomas, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application November 25, 1938, Serial No. 242,256
10 Claims. (Cl. 260—94)



1. A polymer composition of increased stability toward heating comprising essentially an iso-

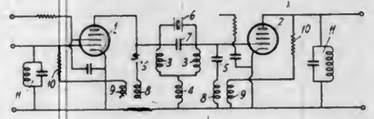
butylene polymer having a molecular weight above about 27,000 and 0.01% to 5% of an aromatic compound containing a —XH group attached to the aromatic nucleus, in which X is a negative element of the sixth group of the periodic system.

2,244,022

ELECTRICAL FILTER

Noël Meyer Rust, Danbury Common, Chelmsford, and Ernest Frederick Goodenough, Springfield, Chelmsford, England, assignors to Radio Corporation of America, a corporation of Delaware

Application April 27, 1939, Serial No. 270,318
In Great Britain April 28, 1938
3 Claims. (Cl. 178—44)



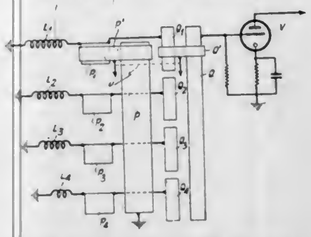
1. An adjustable band pass filter network adapted to be connected between the output of a first electron discharge tube and the input of a second, comprising a pair of circuits each tunable to a common frequency and including a tuning condenser and an inductance, mutual coupling means between said circuits, a piezo-electric crystal having a resonance frequency equal to that to which the circuits are tuned and a shunt capacity connected between the inductances of said circuits and providing additional coupling between said circuits, means coupling one of the filter circuits to the input of the first tube, and means coupling the other of said filter circuits to the output of the second tube.

2,244,023

WAVE-BAND SWITCHING SYSTEM

Erich Sauer, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application February 1, 1939, Serial No. 253,952
In Germany February 1, 1938
2 Claims. (Cl. 250—40)



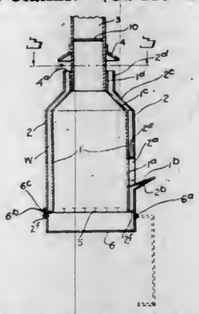
2. In an electrical system as defined in claim 1 wherein each of the coil terminating members has connected thereto a second plate member, the several latter members also being coplanar and in vertical alignment, an ungrounded plate member electrically connected to the signal grid and arranged in substantially the same plane as the second plate members and substantially co-extensive therewith, and a second flat plate member movable vertically and in spaced parallel relation to said second plate members and the ungrounded plate member, said two vertically movable members being mechanically coupled together to move in unison.

2,244,024

TRASH INCINERATOR FOR BOATS OR THE LIKE

Joseph Schadek, San Diego, Calif.

Application January 20, 1939, Serial No. 251,969
3 Claims. (Cl. 110—18)



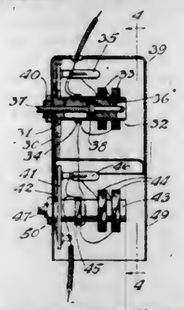
1. In a trash incinerator for boats or the like of the class described, the combination of an inner fire box casing, an outer fire box casing, water-tight connections between said casings at the lower side only and open at the upper side, a grate positioned in the lower side of the inner casing, and a water-tight metallic box hinged to one side of the outer casing and arranged to hold water and extending under the grate for receiving embers therefrom.

2,244,025

COUPLING DEVICE FOR RADIO PURPOSES

William A. Schaper, Cicero, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois

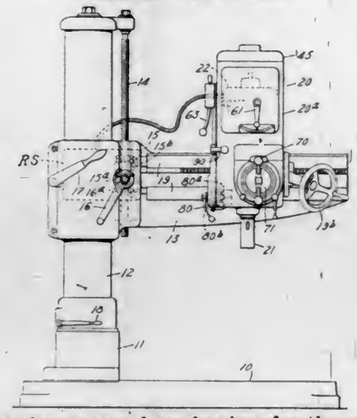
Original application May 18, 1936, Serial No. 80,233. Divided and this application November 14, 1938, Serial No. 240,306
4 Claims. (Cl. 171—119)



1. A radio frequency coupling device, including the combination of mounting means, two spaced insulating tubes supported by said mounting means in substantially parallel relation, an inductance coil carried by each of said tubes, a magnetic core in each of said tubes and adjustable axially therein to change the inductance of the corresponding coil, an adjusting rod connected with each of said cores and extending from the corresponding tube, said coils being coupled for energy transfer from one to the other thereof, a coupling coil on one of said tubes, and means coupling said coupling coil with the inductance coil on the other of said tubes, said coupling coil and the inductance coil mounted therewith being spaced from each other on their said insulating tube, and the corresponding core being arranged to simultaneously move away

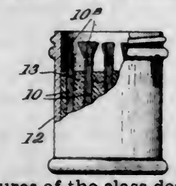
from one of said coils and towards the other of said coils, thereby increasing the inductance of one of said coils at the same time that the inductance of the other coil is decreased.

2,244,026
RADIAL DRILL
Lawrence Lee Schauer, Wyoming, Ohio, assignor to The Cincinnati Bickford Tool Company, Oakley, Cincinnati, Ohio, a corporation of Ohio
Application December 10, 1937, Serial No. 179,058
7 Claims. (Cl. 77—28)



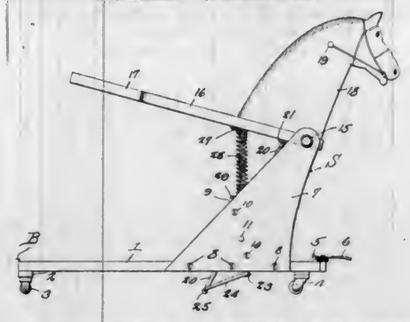
1. A change speed mechanism for the spindle of a drilling machine comprising a main head member, a tool spindle rotatably and translatably journaled therein; a change speed transmission also journaled in said main head and operatively connectable to rotate the spindle at any one of three different speeds, an auxiliary head connected to a lateral side of said main head, a second speed change transmission journaled in said auxiliary head and arranged to drive the change speed mechanism of the main head at any one of a plurality of different speeds, said two change speed transmissions thereby being in series relation with each other and affording a multiplicity of different spindle speeds, and means journaling the initial gear of the transmission of the main head and the final gear of the transmission of the auxiliary head in substantially the same plane and at properly related center distances in their respective heads whereby a driving relation between the said two transmissions is established upon the assembling of the said two heads together.

2,244,027
TEAT DILATOR
Benjamin D. Smith, Utica, N. Y.
Application October 31, 1938, Serial No. 237,987
1 Claim. (Cl. 128—341)



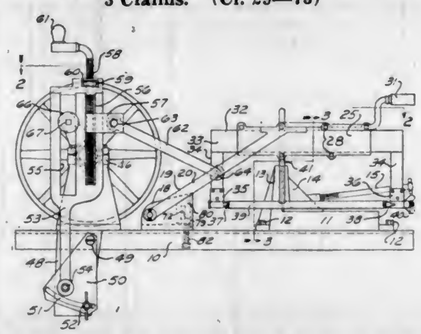
In manufactures of the class described, in combination, a plurality of teat dilators, each being pointed at one end and distended at the other, and having an absorbent core and wax coating giving a continuous surface uninterrupted by nitches or projections; and a container of emollient medicant in which said plurality of dilators are immersed to give a medicated coating on the dilators which is penetrated by the heat and moisture of the teat to soften the dilator while in use.

2,244,028
HOBBYHORSE
Wilfred H. Stover, Dinsmore, Fla.
Application April 18, 1940, Serial No. 330,399
5 Claims. (Cl. 272—53)



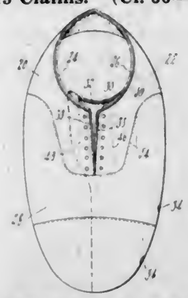
1. A toy vehicle of the stepper type, comprising a wheel-mounted base, a standard on the base, a seat pivoted to the standard, a lifting spring interposed between the seat and the standard, a floor-engaging thrust member guided through the standard for longitudinal reciprocation and for front and back swinging movement, and a pivotal connection between the thrust member and the seat.

2,244,029
POWER SAW
George A. Strayer and Ernest McNabbs, Lansing, Mich.
Application May 25, 1938, Serial No. 209,946
3 Claims. (Cl. 29—73)



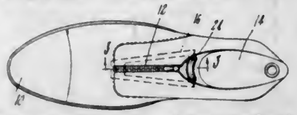
1. A power saw comprising a support, a work holder mounted on the support, said work holder having a movable jaw, a guide frame pivoted on the support and located adjacent a side of the work holder, a saw mounted in the guide frame for reciprocatory movement transversely of the work holder, a lever pivoted at its lower end to the support and extending freely upwardly therefrom, the pivotal connection of the lever with the support being adjustable longitudinally thereof independently of the movement of said jaw, a link pivotally connected at one end to the saw and at the other end to the lever at a level above the point of connection with the saw, the connection of the link with the lever being adjustable longitudinally of the lever, and means for oscillating the lever.

2,244,030
SHOE
John F. Teehan, Brockton, Mass.
Application March 3, 1939, Serial No. 259,605
15 Claims. (Cl. 36—54)



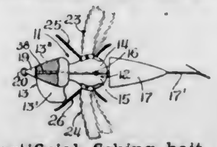
1. A shoe upper having quarters having an opening at the front of the upper, and a pair of quarter lining elements each extending from the back of the upper continuously to the front thereof, one of said elements having a wing extension in lieu of a tongue, said wing being arranged to extend across the front bony ridge of the foot and to underlie said opening and the adjacent portion of the other lining element.

2,244,031
SHOEMAKING
John F. Teehan, Brockton, Mass.
Application September 8, 1939, Serial No. 293,968
4 Claims. (Cl. 12—142)



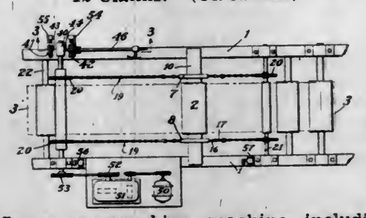
1. Steps in a method of making Oxford shoes with a non-adjustable fastener device for the quarters, which comprise assembling the upper with elements forming a flat pocket underlying the front portions of the quarters, inserting a tab of flexible but substantially incompressible material in said pocket, lasting the upper, completing the shoe on the last, removing said tab from said pocket, and thereafter removing the shoe from the last.

2,244,032
ARTIFICIAL BAIT
Julius Timm, Evanston, Ill.
Application April 6, 1940, Serial No. 328,315
15 Claims. (Cl. 43—48)



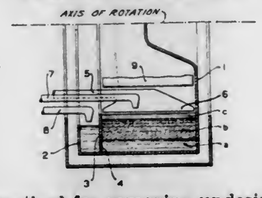
1. In an artificial fishing bait, a supporting body, a projecting portion pivoted about a vertical axis on the supporting body to have fore and aft movement with respect thereto to simulate a movable part of an insect or the like, and means adapted to be powered by movement through the water for actuating said projected portion.

2,244,033
AUTOMATIC ELECTRIC CONTROL FOR COMPENSATOR FOR FELT TENSION DEVICE FOR PAPERMAKING MACHINES
William J. Trempe, North Billerica, Mass.
Application December 28, 1936, Serial No. 117,700
12 Claims. (Cl. 92—49)



8. In a papermaking machine including a traveling continuous web of variable length due to the vary degrees of moisture to which the felt is subjected and an automatic compensator to maintain relative constant tension in the felt during normal running conditions and within a normal permissible range of tension variation, including a tension roller over which the web is guided, a rotatable shaft on one side of said roller, and positive drive connections including an endless chain connected to opposite sides of the tension roller and operatively connecting said rotatable shaft and said tension roller adapted on rotation of the shaft to positively move the tension roller longitudinally of the machine in either direction as said tension in the web increases or decreases, means adapted to rotate said shaft in either direction including a reversible motor, operative positive drive connections including a worm and gear from said motor to said rotatable shaft, and means responsive to an abnormal increase or decrease of web tension for starting said motor in the proper direction to positively move said tension roller in either direction to proper position to restore normal web tension within the permissible normal range of variation.

2,244,034
PURIFICATION OF OIL IN A CENTRIFUGAL SEPARATOR
Pieter van Riel, Delft, Netherlands, assignor to N. V. Machinefabriek "Reineveld," Delft, Netherlands, a company of the Netherlands
Application March 2, 1940, Serial No. 321,953
In the Netherlands April 23, 1938
2 Claims. (Cl. 233—14)



1. In a method for removing undesired impurities from oil and the like, the steps of subjecting a carrier liquid heavier than oil and immiscible with the latter to centrifugal force thus causing the carrier liquid to form a layer having a substantially cylindrical inner surface, then feeding

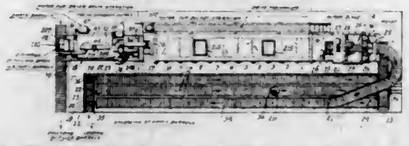
impure oil onto said surface while subjecting it still to centrifugal force thus causing said oil to float on said liquid forming on the latter a layer having a substantially cylindrical inner surface, finally feeding wash-liquid heavier than oil and immiscible with said oil onto the inner surface of said oil layer while still subjecting said carrier layer and said oil layer to centrifugal force thus causing said wash-liquid to float on the oil layer and forming a third layer, and accelerating said wash-liquid until it migrates through the oil layer into said carrier layer thereby removing impurities from said oil layer.

2,244,035

METAL TREATING METHOD AND MACHINE

James B. Whitmore, Bloomfield, and Frank A. Newcombe, Nutley, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 7, 1938, Serial No. 206,696
21 Claims. (Cl. 266—7)



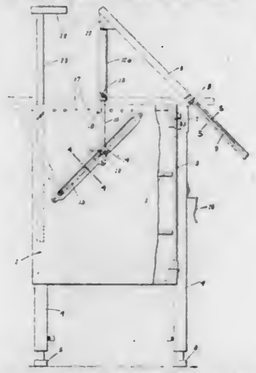
1. The method of handling metal articles comprising delivering a container thereof to a hoist, causing said hoist to dump said articles from said container onto a feed belt, causing said feed belt to automatically discharge said articles onto an automatic weighing and feeding belt, until a given weight of articles has been collected as a batch, delivering said batch to the end one of a series of buckets associated with a corresponding series of tanks, and elevating and lowering said buckets with respect to said tanks whereby batches of said articles are transferred from one bucket to the next, and from there on through the series to be finally delivered to drying mechanism.

2,244,036

ADJUSTABLE DESK

Edwin Williman and Jean A. Williman, Pescadero, Calif.

Application November 9, 1937, Serial No. 173,618
7 Claims. (Cl. 311—38)



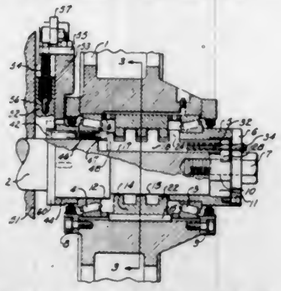
2. A desk comprising a body, a top therefor, means mounting the top on the body for upward tilting movement to the front and means to hold the top in any tilted position; said last named means comprising a telescopic adjustable brace unit for each side of the desk top, a pivot connection between the upper end of the unit and said top adjacent the back thereof, a runway on the side of the desk forming a T slot and extending with an upward slope from the back toward the front of the desk, a bolt slidably mounted in the runway and projecting therefrom and engaging the lower end of the unit, and a clamping nut on the outer end of the bolt.

2,244,037

SLIDING KEY CLUTCH

Reuben E. Wissman, Minster, Ohio, assignor to The Minster Machine Company, Minster, Ohio, a corporation of Ohio

Application December 4, 1939, Serial No. 307,442
23 Claims. (Cl. 192—24)



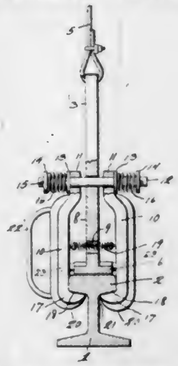
22. A clutch comprising a shaft, a flywheel journaled on said shaft carrying longitudinally and peripherally spaced teeth, a plurality of longitudinally slidable keys slidably mounted in said shaft, said keys carrying teeth which are adapted to engage opposite sides of said teeth carried by said flywheel, and means for actuating said keys sequentially to lock said flywheel teeth therebetween.

2,244,038

TRACK RAIL GROUNDING CLAMP

John V. Zapotosky, Leckrone, Pa.

Application June 22, 1940, Serial No. 341,943
8 Claims. (Cl. 173—273)



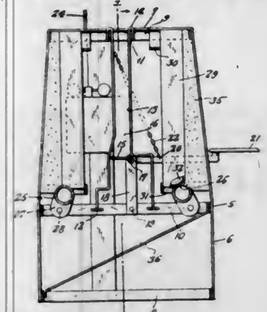
3. A track rail head gripping clamp, comprising an elongated body having a foot member at one end provided with an arcuate gripping face, a pair of arms disposed upon opposite sides of the body and extending in spaced relation across said foot, means pivotally coupling the arms with the body to swing on an axis extending transversely thereof, a gripping jaw forming a part of each arm and having a working face in spaced relation with the arcuate face of the foot, the arc for said working face of the foot being struck from the pivotal center for the arms, said body member having a slot formed therethrough and extending lengthwise of the foot, a contractile spring connecting said arms together transversely of the body and extending through said slot, and means coupled with said arms facilitating their lateral movement with respect to the body upon turning of the body on its long axis when the clamp is engaged with a rail head.

2,244,039

BREAD TOASTER

Harvey J. Ablah, Wichita, Kans.

Application June 12, 1940, Serial No. 340,182
6 Claims. (Cl. 53—5)



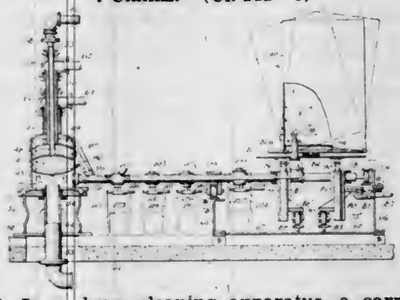
5. In a bread toaster, a bread supporting shelf, a rock shaft normally supporting the shelf in a horizontal position adjacent a heating element, time-controlled means operatively connected to the shaft for rocking the latter in a manner to tilt the shelf downwardly and manually operable means also attached to the shaft for similarly rocking the same independently of the time-controlled means.

2,244,040

APPARATUS FOR CLEANING AND CONDITIONING DRUMS

John R. Alexander, Elizabeth, N. J.

Continuation of application Serial No. 743,512, September 11, 1934. This application October 29, 1937, Serial No. 171,662
7 Claims. (Cl. 141—6)



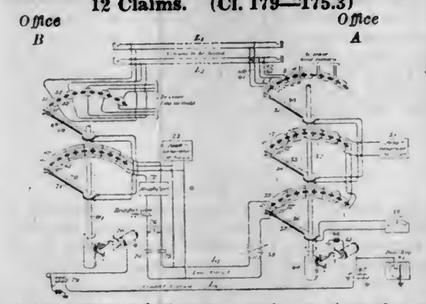
1. In a drum cleaning apparatus, a carriage rotatable about a central upright axis, a plurality of drum platens carried by said carriage, an upright axis for each of said drum platens about which the latter are rotatable on said carriage, a plurality of nozzles carried by said carriage one for each drum platen and extending upwardly and located eccentrically of said upright axes, means for carrying drum conditioning fluid to said nozzles, and means for raising and lowering said nozzles and drum platens relatively to each other while the latter are moving in an orbit about said central carriage axis, each said nozzle, when in relatively raised position, being adjacent the bung of a drum on the platen to introduce fluid thereinto, and when in relatively lowered position being free of said platen and drum to permit rotation thereof.

2,244,041

TRANSMISSION MEASURING SYSTEM

Joseph Frank Andrews, New York, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York

Application September 26, 1939, Serial No. 296,687
12 Claims. (Cl. 179—175.3)



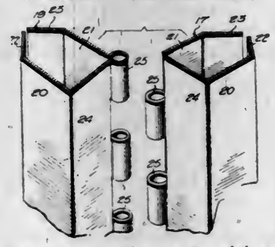
1. In a transmission measuring system the combination with a signaling circuit, whose transmission efficiency is to be measured between two terminals thereof, of a source of current of fixed magnitude connected to the near end of said circuit, a second circuit coterminous with the said first mentioned circuit and having a source of current of fixed magnitude connected thereto at its distant end and a current measuring instrument connected thereto at its near end, a shunt connected across said second circuit at its distant end and means responsive to the current in the said first mentioned circuit to vary the conductivity of the said shunt whereby the magnitude of the current flowing through the said second circuit is proportional to and a measure of the transmission efficiency of the said first mentioned circuit.

2,244,042

SHEET METAL HINGE CONSTRUCTION

Robert Charles Barlow, Louisville, Ky., assignor to Logan Co. Inc., Louisville, Ky., a corporation of Kentucky

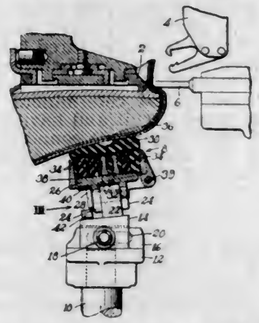
Application October 20, 1939, Serial No. 300,465
2 Claims. (Cl. 126—202)



1. A hinge construction comprising a pair of

elongated frame members each formed of a single sheet of metal having aligned openings cut therethrough with the portions of the metal sheet between the openings bent to form aligned substantially cylindrical loops with the remote edges of each opening brought into right-angular aligned contiguous relationship to form a substantially closed joint, a plane through said joint and the axis of said cylindrical loops approximately bisecting the angle formed at said closed joint, each sheet being further bent at right angles along a line parallel to said contiguous edges, and being further bent along lines parallel to each other and parallel to said first named line and said contiguous edges, and substantially equidistantly spaced from the free edges of the sheet to complete the formation of a frame member of substantially closed section, each sheet being bent along said last named lines at such an angle that the portions of the sheet between such lines and the free edges of the sheet angularly converge toward each other and terminate with said free edges of the sheet in adjacent relationship to resiliently engage against a relatively thin sheet-like element therebetween, the loops of each sheet being arranged between and in alignment with the loops of the other sheet, and a pintle extending through said loops.

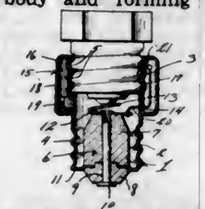
2,244,043
SHOE REST
William L. Baxter, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 29, 1940, Serial No. 332,127
10 Claims. (Cl. 12—123)



1. A shoe rest comprising a pad of yieldable material for controlling a shoe by pressure thereon, said pad having a cavity therein and a plug substantially filling said cavity but removable therefrom to increase the yieldability of the portion of the pad where the plug is located.

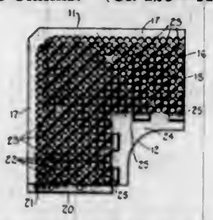
2,244,044
FUSE LIGHT
Benjamin F. Bishop, Minneapolis, Minn., assignor of ten per cent to J. L. Monnahan, Minneapolis, Minn.
Application December 16, 1939, Serial No. 309,669
4 Claims. (Cl. 200—121)

1. An indicator for a "blown" fuse of the plug type, comprising a body adapted for insertion into a threaded fuse plug socket, the body having opposite terminals for connection with opposite sides of an electric circuit in which the socket is connected, means forming a part of the body for receiving a plug type fuse and for electrically connecting the fusible element thereof with said means whereby such element is connected in the electric circuit, a current conducting filament carried by and extending in a circumferential direction with respect to the body, a light transmitting shield for said filament extending around the body and forming therewith an



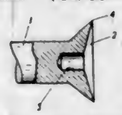
evacuated chamber, means for connecting the ends of said filament with the said opposite sides of said circuit in parallel with the fusible element, said filament being formed of a material having an electrical resistance greater than the fusible element.

2,244,045
CERAMIC BURNER UNIT FOR BROILERS
Stephen N. Bobo, New York, N. Y., assignor to Robert P. Sniffen, New York, N. Y.
Application August 31, 1939, Serial No. 292,783
3 Claims. (Cl. 126—41)



1. In an improved radiating unit for broilers, an element of incombustible ceramic material provided with a cut-away portion at one corner thereof and with rabbets on adjacent sides and extending to the outer periphery of the element, a skirt portion extending around the remaining two adjacent sides, the surface of the element enclosed by the depending skirt having a plurality of radiating points and with the spaces between the radiating points provided with perforations extending through the body of the element.

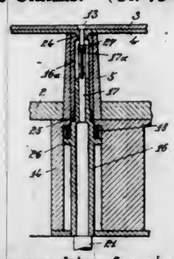
2,244,046
SCREW
Granville Bradshaw, London, England, assignor to The Bradshaw Patent Screw Company (Foreign) Limited, London, England, a British company
Application December 3, 1938, Serial No. 243,834
In Great Britain December 7, 1937
3 Claims. (Cl. 85—45)



1. A screw having an externally threaded shank and a head, the head having a smooth unthreaded axial recess, the inner part of which has sides which are substantially parallel to the axis, and constitutes a socket for receiving a self-tapping thread on a screw driving tool, and the outer end of which is formed to a wide angle

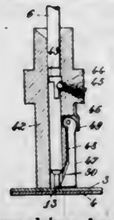
taper and constitutes a non-binding friction clutch surface adapted to transmit substantial torque and endwise pressure.

2,244,047
HOLDER-UP FOR RIVETING
Karl Butter, Rostock, Germany, assignor to Ernst Heinkel, Warnemunde, Germany
Original application October 14, 1938, Serial No. 235,043. Divided and this application February 9, 1940, Serial No. 318,165. In Germany August 29, 1938
10 Claims. (Cl. 78—49)



1. In or for a machine for riveting imperforate sheets to be perforated by the shanks of the rivets, a bored holder-up having disposed therein and at the work-engaging end a bored resilient chuck for receiving punchings from the work and resiliently gripping them.

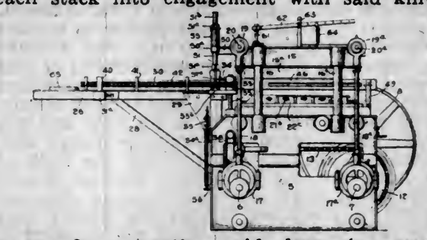
2,244,048
RIVET GUIDING MEANS
Karl Butter, Rostock, Germany, assignor to Ernst Heinkel, Warnemunde, Germany
Original application October 14, 1938, Serial No. 235,043. Divided and this application February 9, 1940, Serial No. 318,166. In Germany August 29, 1938
4 Claims. (Cl. 78—49)



1. A riveting machine having a rivet stamp, rivet guiding means comprising a sleeve traversable by said stamp, said sleeve having a T-shaped rivet feed opening intermediate its ends, a rivet holding means including radial passages in said sleeve and a spring-pressed ball disposed in each radial passage and projecting into the path of the stamp, said radial passages being disposed in line with the inner end of the vertical leg of the feed opening whereby said balls engage against the shank portion of a rivet entering the sleeve, and a rivet centering means being disposed below said holding means including radial slots in the lower end of said sleeve and a spring-pressed lever extending through each slot into the path of the stamp.

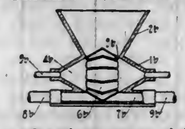
2,244,049
VENEER CUTTING MACHINE
Frank R. Capps, Jacksonville, Fla.
Application June 30, 1939, Serial No. 282,286
18 Claims. (Cl. 164—48)

1. In a machine for cutting strips from veneer, a plurality of knives arranged to cut strips of predetermined shape, means for feeding stacks of veneer to said knives, means for depressing each stack into engagement with said knives,



means for retracting said depressing means, means for automatically stopping the feed of the stack during the cutting operation, and means for automatically starting the feed of the stack upon retraction of said depressing means.

2,244,050
FEED MECHANISM
Alphonse T. Cassiere, Long Beach, Calif., assignor to Frank L. Rogers, Long Beach, Calif.
Application January 23, 1939, Serial No. 252,307
2 Claims. (Cl. 302—49)



1. A feed mechanism comprising a housing, a feed wheel rotatably mounted in said housing, a hopper on the housing whereby material is fed thereto, an air conduit adjacent said feed wheel through which air under pressure is forced, said housing having an opening extending to the air conduit, said feed wheel having elongated peripheral pockets therein whereby material is conducted from the hopper to the air conduit, said feed wheel projecting into the air conduit, said pockets being arranged in the feed wheel parallel to the conduit and said feed wheel being in the shape of two cones with a common base.

2,244,051
CASING PUMP FOR OIL WELLS AND THE LIKE
Hubert D. Collins, Tulsa, Okla.
Application May 22, 1940, Serial No. 336,501
3 Claims. (Cl. 103—221)



1. In a well pump, a working barrel having a

standing valve adjacent its lower end and a piston with travelling valve reciprocable therein by means of a suitable pump rod, an expansible packer above said working barrel, tubular means connecting said packer with said working barrel, a mandrel movable into said packer to expand the same and seal the pump in a well, a drain tube depending from said mandrel inside of said packer and said tubular means, drainage means opening through the wall of said tubular means, sealing means between the drain tube and the tubular means below said drainage means, and drainage means opening through the wall of said drain tube, the last-recited drainage means being located below said sealing means when the mandrel is positioned within the packer and above said sealing means when the mandrel is withdrawn from the packer.

2,244,052

METHOD OF FORMING HARD CEMENTED CARBIDE PRODUCTS

Gregory J. Comstock, Fairfield, Conn.

No Drawing. Application September 23, 1937, Serial No. 165,314

3 Claims. (Cl. 76—104)

1. The method of constructing fine edges which comprises reducing metal carbides to sub-colloidal particles of so minute a size as to stay in suspension in water; mixing the metal carbides with a cementing metal; preparing the mixture for compacting at pressures of the order of 60,000 pounds per square inch; pressing the mixture into molds of small rectangular shape to form billets; applying a controlled pressure to the mixture of the order of 60,000 pounds per square inch which varies with the proportions and constituents of the compacted material, the desired hardness of the presintered product and character of the cutting edge sought; regulating the temperature during the presintering to a value just below the melting point of the cementing metal; sawing blanks from the billet substantially of the size and shape of the desired fine edged device; grinding the fine cutting edge to approximately the thickness of the hard carbide particles of which the material is formed; finally sintering the compacted presintered article; soldering the finally sintered product to a backing material; and giving the finally sintered product a finishing lapping treatment to promote a smooth final cutting edge by the removal of any cementing metal which has been sweated out during final sintering operation.

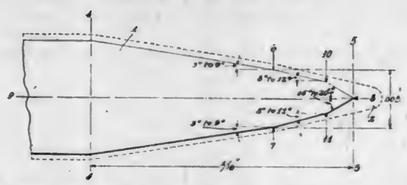
2,244,053

HARD CEMENTED CARBIDE COMPOSITE

Gregory J. Comstock, Fairfield, Conn.

Original applications June 22, 1935, Serial No. 2,959, and September 23, 1937, Serial No. 165,314. Divided and this application February 22, 1938, Serial No. 191,850

2 Claims. (Cl. 30—350)



1. Razor blade having an edge comprising a mixture of carbide particles of a size on the order of .02 to 1.25 of a millionth of an inch and binder on the order of 13 to 20% by weight forming a hard cemented carbide, in which the edge is of less thickness than the powdered carbide from which the hard cemented carbide was made, the said edge showing a vanishing point at 250 magnifications.

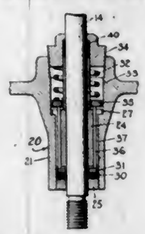
2,244,054

PRESSURE-TIGHT BEARING

Edward S. Cornell, Jr., Larchmont, N. Y.

Application December 15, 1938, Serial No. 245,808

14 Claims. (Cl. 308—36.2)



1. A bearing for a drive shaft, including a housing, a plurality of shaft receiving bushings disposed within said housing in substantially fixed mutually spaced relationship, packing means disposed within said housing and between said bushings, and spring means disposed remote from said bushings and operatively associated with said packing means to urge said packing into fluid-sealing engagement with said shaft, said spring means being adjustable externally of said housing.

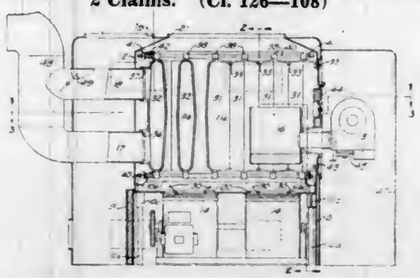
2,244,055

COMBUSTION APPARATUS

Martin De Lin, Holland, Mich., assignor to Holland Furnace Company, Holland, Mich., a corporation of Michigan

Application February 19, 1938, Serial No. 191,433

2 Claims. (Cl. 126—108)



1. Combustion apparatus comprising a heat exchanger and a support therefor, the support including a pair of horizontally extending parallel members, the heat exchanger being slidably mounted upon said members to permit longitudinal and lateral movement of the heat exchanger with respect to said members, means for limiting the lateral movement of said heat exchanger with respect to said members comprising a projection carried by the heat exchanger and positioned between said members, and means for fixing the longitudinal position of one end of the heat exchanger with respect to said members comprising a saddle rigidly secured to one of said members and a projection on the heat exchanger mounted in said saddle.

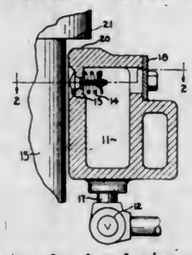
2,244,056

AUTOMATIC QUENCHING APPARATUS

Francis S. Denneen, Cleveland, and William C. Dunn, Shaker Heights, Ohio, assignors to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio

Application May 27, 1940, Serial No. 337,422

5 Claims. (Cl. 266—4)



1. In apparatus for hardening a surface zone of an article adapted to be hardened by heating and quenching, a heater having a part adapted to lie adjacent to a surface of the article, means for supplying energy to said heater, a channel in said heater for circulating a fluid to cool the heater, a passage from the channel through the article adjacent part of the heater for a flow of cooling fluid, closure means for said passage, the closure means comprising a resilient element, and means to increase fluid pressure in the aforesaid channel to deflect the resilient element and open the passage to permit the fluid to flow from the channel onto the adjacent surface of the article to harden the aforesaid surface zone.

2,244,057

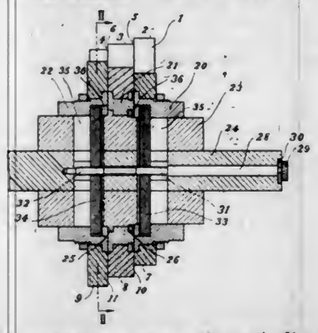
SUPPORTING MEANS FOR GRINDING WHEELS

Carl Gustav Ekholm, Lidkoping, Sweden, assignor to Lidköpings Mekaniska Verkstads Aktiebolag, Fabriksgatan, Lidkoping, Sweden, a corporation of Sweden

Application August 4, 1939, Serial No. 288,473

In Sweden August 12, 1938

18 Claims. (Cl. 51—168)



1. In a supporting means for grinding wheels and the like, the combination of a grinding wheel spindle and a plurality of hubs mounted thereon and adapted to carry each one grinding wheel element, said hubs being axially slideable, an operating member being rotatably mounted on the end of the spindle, a number of telescopic shafts arranged in a longitudinal bore in the spindle, a number of threaded portions connected with the shafts and having thread-engagement with the operating members, said threaded portions having different thread directions.

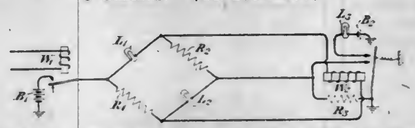
2,244,058

INTERRUPTER CIRCUIT

Daniel Osmund Crofford, Millvale, Pa., assignor to American Telephone and Telegraph Company, a corporation of New York

Application October 31, 1939, Serial No. 302,256

6 Claims. (Cl. 175—373)



6. A circuit interrupter comprising the combination of a translating device such as a relay which may be operated and released, a source of potential, a Wheatstone bridge interconnecting said source and said translating device, said Wheatstone bridge having both linear elements and non-linear elements as its arms, said translating device being operated when the bridge is unbalanced and released when the bridge is balanced, and means responsive to the operation of said translating device to increase the effective potential of said source so as to increase the flow of current through said linear elements and said non-linear elements and to balance the bridge.

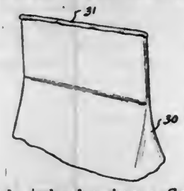
2,244,059

COLLAPSIBLE TUBE

Paul R. Fechheimer, Cincinnati, Ohio, assignor to The Karl Kiefer Machine Company, Cincinnati, Ohio, a corporation of Ohio

Original application February 12, 1934, Serial No. 710,824, now Patent No. 2,102,840, dated December 21, 1937. Divided and this application October 7, 1937, Serial No. 167,800

3 Claims. (Cl. 221—60)



1 A collapsible tube having a flattened bottom portion presenting juxtaposed edges of the tube wall, and a line of welding joining said juxtaposed bottom edges, said line of welding comprising an accumulation of the metallic substance of the wall edges themselves providing a bead.

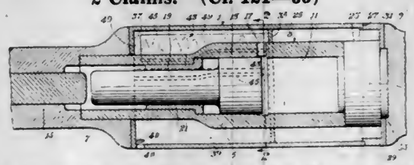
2,244,060

SILENCER FOR ROCK DRILLS

George H. Fuehrer, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey

Application May 16, 1940, Serial No. 335,516

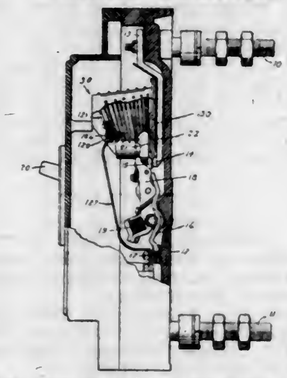
2 Claims. (Cl. 121—35)



1. In a silencer for a pressure fluid actuated percussion tool, the combination of a casing having a piston chamber and an exhaust port for the piston chamber, valve means in the casing

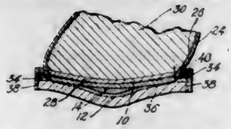
for effecting the distribution of pressure fluid to the piston chamber, a sleeve encircling and spaced from the casing and the valve means and cooperating with the casing to define an expansion chamber for the exhaust fluid issuing from the exhaust port, said sleeve having an outlet port for conveying fluid from the expansion chamber to the atmosphere, and means in the sleeve to prevent the flow of exhaust fluid through the sleeve in the direction of the valve means.

2,244,061
ARC QUENCHER
Herbert C. Graves, Jr., West Chester, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 31, 1940, Serial No. 348,717
19 Claims. (Cl. 200—144)



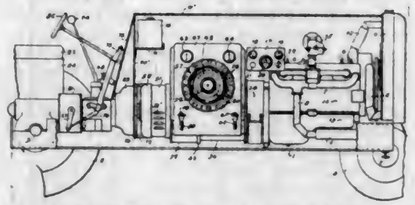
1. In an arc quenching structure a plurality of spaced notched plates, the said notches being substantially aligned to form an arcing path, each of said plates having a pair of legs defining each notch; corresponding legs on corresponding sides of the plates being aligned with each other; opposed side walls for said arc quencher, said plates being each normal to and supported by said side walls at the outer edges of said plates; said side walls being of bendable insulating sheet material, the ends of said side walls extending beyond said legs being bent around the ends of said legs and into the entrances to said notches, and means on said plates for securing said bent portions of said side walls in bent position.

2,244,062
STITCHDOWN SHOE
Harry N. Grimes, Brentwood, Mo., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application October 6, 1939, Serial No. 298,289
3 Claims. (Cl. 36—16)



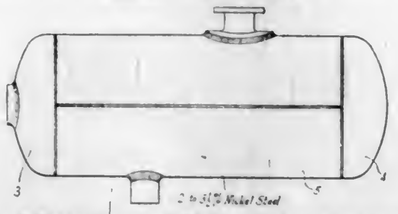
1. A stitchdown shoe comprising an upper having an outturned flange, an inner sole having an extended margin underlying said outturned flange, stitches extending through the base of the outturned flange of the upper and through said inner sole, a relatively stiff reinforcing piece cemented to the lower side of the shank and heel portions of the inner sole, said piece being coextensive with that portion only of the inner sole which lies within said stitches, a shank stiffener interposed between the inner sole and the reinforcing piece, an outer sole, and stitches securing together said outturned flange and the margins of said inner and outer soles, said reinforcing piece and the portions of said inner and outer soles which are coextensive with said piece being transversely curved to conform to the transverse curvature of the bottom of a last but the extension margin of the inner sole and the corresponding marginal portions of the outer sole in the shank portion of the shoe having no substantial amount of transverse curvature.

2,244,063
TRACTOR WELDER
Edward A. Hobart, Troy, Ohio, assignor to The Hobart Bros. Company, Troy, Ohio, a corporation of Ohio
Application January 9, 1939, Serial No. 249,840
4 Claims. (Cl. 180—53)



4. A portable welding outfit comprising a chassis on wheels, a gas engine geared through a crank shaft to said wheels, a welding generator and an exciting generator mounted in tandem relation about said crank shaft, the fields of said generators being mounted about their respective armatures, and means optionally operable for interrupting the field current delivered by the exciting generator to the welding generator.

2,244,064
WELDED PRESSURE VESSEL AND METHOD
James C. Hodge, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application June 10, 1937, Serial No. 147,417
7 Claims. (Cl. 113—112)

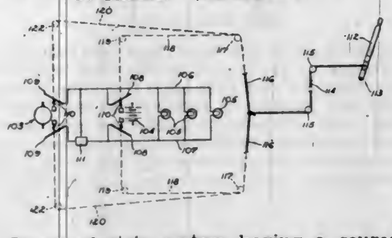


1. A pressure vessel for low temperature processing which comprises a body comprised of components formed of nickel steel alloy united by fusion deposits of nickel-molybdenum steel alloy free of a critical brittle temperature range while cooling and having high impact resistance at sub-zero temperatures.

4. A pressure vessel for low temperature processing which includes a body comprised of components formed of a metal of the order of 2 to 3½% nickel steel united by fusion deposits from a nickel-molybdenum steel alloy free of a critical brittle temperature range while cooling and having high impact resistance at sub-zero temperatures and including the following:

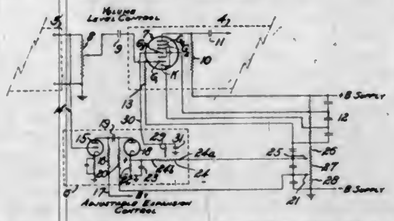
Carbon range	0.1 to 0.2
Manganese	0.3 to 0.6
Phosphorus	0.04 max.
Sulphur	0.05 max.
Nickel range	1.5 to 2.0
Molybdenum range	0.2 to 0.3

2,244,065
SWITCH CONTROL FOR AIRCRAFT
Howard R. Hughes, Houston, Tex., and Richard W. Palmer, Pasadena, and William L. Lewis, Glendale, Calif., assignors to Hughes Tool Company, Houston, Tex., a corporation of Delaware
Application December 24, 1938, Serial No. 247,716
10 Claims. (Cl. 171—97)



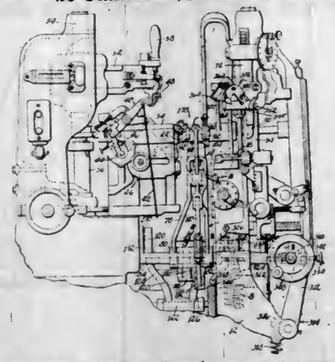
5. In an electric system having a source of electromotive force and a wiring system connected with said source, the combination therewith of: a casing enclosing said source to substantially seal said source; a closure member for said casing movably mounted thereon for access to said source; normally closed switch means for cutting off all connections between said wiring system and said source to isolate said source electrically; and a latch operatively connected with said switch means to move from an ineffective position when said switch means is open to an effective position when said switch means is closed, and vice versa, said latch means at its effective position engaging said closure member to prevent opening movement thereof.

2,244,066
SIGNAL AMPLIFICATION METHOD AND CIRCUITS
Kenneth W. Jarvis, Winnetka, Ill.
Application April 12, 1938, Serial No. 201,632
8 Claims. (Cl. 250—20)



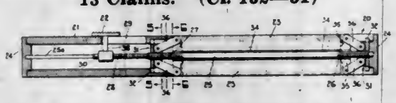
2. In combination, an amplifier circuit having input and output terminals, said input terminals being adapted to have varying amplitude signals applied thereto, manually controlled means for adjusting the volume level at the amplifier output terminals, and volume expanding means adjustable independently of said manually controlled means for varying the degree of non-linear amplification of said amplifier circuit, said volume expanding means including means maintaining the input terminals-to-output terminals gain of the amplifier circuit at a preselected average signal input independent of the adjustment of said volume expanding means.

2,244,067
MACHINE FOR SHAPING UPPERS OVER LASTS
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application April 24, 1940, Serial No. 331,300
26 Claims. (Cl. 12—7)



1. In a machine for shaping uppers over lasts, means for gripping the margin of an upper on a last, power-operated means for effecting relative movement of said upper-gripping means and the last to pull the upper, a clutch through which said power-operated means is operated, a starting member movable by the operator to actuate said clutch, and fluid-operated means operative independently of said clutch but controlled by said starting member for closing said upper-gripping means on the upper.

2,244,068
HAIR DRESSING DEVICE
Constantine Kay, New York, N. Y.
Application December 3, 1938, Serial No. 243,790
13 Claims. (Cl. 132—31)

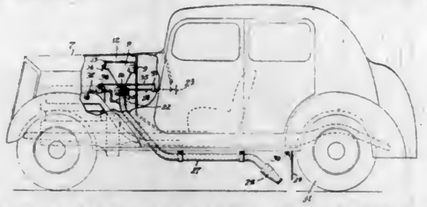


1. A hair curling device including a tubular hollow body, handle means therefor, shaft means axially disposed within said hollow body and arranged for rotation therein, a plurality of hair brushes operatively associated with said shaft means and equidistantly spaced about said shaft means, and means operatively associated with said handle means and with said rotatable shaft for rotating said shaft to withdraw said hair engaging elements substantially entirely within said hollow body or to project said elements substantially radially from said hollow body and substantially equidistantly from the outer surface thereof.

2,244,069
SAND SPREADER FOR VEHICLES
Nicholas J. Kook and Beatrice F. Kook, Detroit, Mich.
Application March 24, 1939, Serial No. 263,836
1 Claim. (Cl. 291—35)

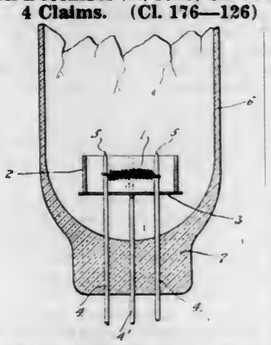
A sand spreader for a vehicle comprising, a hopper extending over the engine of the vehicle, said hopper having downwardly converging sides, a sand valve adjacent the lower end of said hopper to control the emission of sand from said hopper, said valve consisting of a housing, a concavity within said housing, a hole through said

housing with its axis transverse to the plane of said concavity and a plate fitting within said concavity pivoted about a point in such manner as to control the flow of sand through said hole, a conduit extending from said sand valve and terminating in advance of the wheels of the vehicle, a pipe for conveying exhaust gases from the engine of the vehicle into said conduit and terminating in said conduit in close proximity to said sand valve, an exhaust valve controlling



the flow of exhaust gases through said pipe, control means for actuating said sand valve and said exhaust valve connected to said exhaust valve and to said plate of said sand valve at a point diametrically opposite the point about which said plate is pivoted in relation to said hole, a nozzle at the lower extremity of said conduit, and a deflector attached to the vehicle adapted to direct the sand downward toward the roadway in a wide swath.

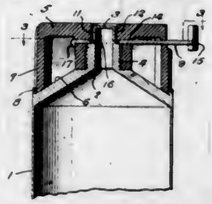
2,244,070
ELECTRODE FOR GASEOUS DISCHARGE TUBES
Jacob Kurtz, Teaneck, N. J., assignor to Callite Tungsten Corporation, Union City, N. J., a corporation of Delaware
Application December 21, 1940, Serial No. 371,086
4 Claims. (Cl. 176—126)



3. In a fluorescent discharge device, a glass tube enclosing an electrode of nickel-plated tungsten filament and coated with alkaline-earth oxides, metallic rods passing through the tube and near the free ends of which said coil is mounted, an insulating disc through which said rods project, a metal shell seated on said disc and surrounding said coil out of contact with said coil and rods, and another rod sealed in said tube and passing through said disc and to which said shell is fastened.

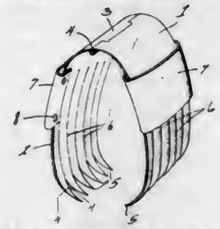
2,244,071
COLLAPSIBLE TUBE
Paul E. Landrus, Lexington, Ky.
Application February 27, 1940, Serial No. 321,116
4 Claims. (Cl. 221—60)

4. A container for fluid and semifluid material comprising a collapsible tube of sectile material, an outlet duct in the tube for extruding its contents, a closure for the duct, the closure comprising a cap attached to the tube and a vane movable in the cap transversely of the tube, a passage through the cap registering with the outlet duct, the outlet duct extending into the passage and terminating with a seal, guideways in



the cap to guide the vane back and forth across the passage, a knife edge on the vane to sever the duct extension the first time the vane is moved across the passage to remove the seal from the outlet duct, subsequent backward and forward movement of the vane operating to open or close the duct, and stops in the cap and vane to limit the backward and forward motion of the vane.

2,244,072
HANDLING IMPLEMENT
Wiley C. Ledbetter, Obion, Tenn.
Application December 29, 1939, Serial No. 311,690
4 Claims. (Cl. 294—25)

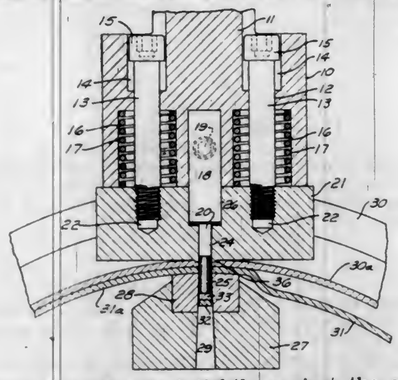


4. A handling device of the character stated, comprising a pair of bodies having two adjacent end edges hingedly coupled together, the bodies normally lying in side by side relation, each body being longitudinally corrugated from the other end thereof through a part of the length of the body, each body having the said other corrugated end curved inwardly toward the other body, the said curved end of each body being deeply notched throughout its width forming gripping teeth each of which has a ridge of a corrugation extending centrally thereof and with the high side of the ridge directed toward the other body, and means carried by the two bodies for engagement by the fingers and thumb of the hand for facilitating holding the implement in the hand and moving the bodies relatively to one another.

2,244,073
METHOD OF RIVETING
Claude H. Lyon, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application October 25, 1938, Serial No. 236,865
2 Claims. (Cl. 78—46)

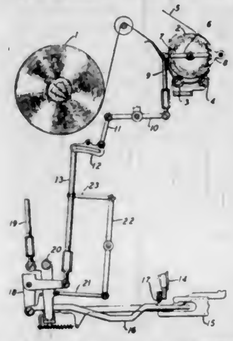
1. The method of securing imperforate metal parts together by means of a rivet of greater length than the combined thickness of the parts, which comprises holding said parts in apposition, driving a headless rivet of uniform cross-section

through said parts to shear therefrom sections of the same cross-section as the cross-section of the rivet, thereafter indenting and flowing the metal of one of said parts in a zone immediately



surrounding the rivet tightly against the sides thereof to lock the rivet tightly in place and to form an annular recess surrounding said rivet to receive the rivet head, and finally heading over the ends of the rivet.

2,244,074
REVERSIBLE LINE FEED FOR TELETYPEWRITERS
Wade B. Martin, Westwood, N. J., and George Franklin Townsend, New York, N. Y., assignors to American Telephone and Telegraph Company, a corporation of New York
Application October 21, 1939, Serial No. 300,632
3 Claims. (Cl. 178—27)

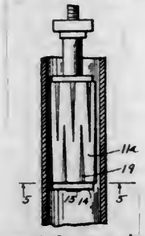


1. In a teletypewriter, a reverse line feeding means comprising a reversible pawl and ratchet device and a steering means for causing said pawl and ratchet device to operate forwardly or backwardly under control of a function bar of said teletypewriter.

2,244,075
MINERAL OIL PRODUCT
Louis A. Mikeska, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 12, 1938, Serial No. 234,605
9 Claims. (Cl. 252—47)

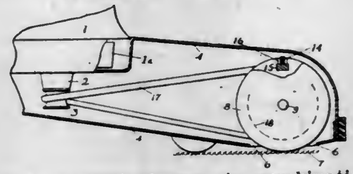
1. An improved lubricant comprising a hydrocarbon oil and a small amount of an aromatic sulfenamide.

2,244,076
CONTROL HEAD PACKER
John Edgar Moe, Denver, Colo., assignor to The Gates Rubber Company, Denver, Colo., a corporation of Colorado
Application March 25, 1940, Serial No. 325,666
7 Claims. (Cl. 166—13)



1. A packer element for use in a control head packer, comprising a tubular cylindrical member of yieldable resilient rubber composition whose outer surface is provided with alternate depressions and elevations arranged to form continuous passageways extending inwardly from the ends towards the middle whereby when the packer element is inserted into a casing and compressed in the direction of its length, it will expand and bring the elevations on its surface into engagement with the casing first whereby channels are formed for the escape of trapped material.

2,244,077
VACUUM CLEANER
William J. Neidig, Napoleon, Ohio
Application March 2, 1938, Serial No. 193,557
8 Claims. (Cl. 15—8)

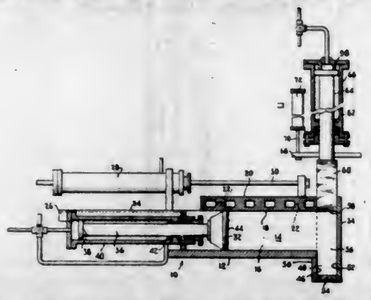


2. In a vacuum cleaner, in combination: a source of vacuum; a hollow nozzle connected thereto, said nozzle defining a suction aperture affording access therefrom to the work-surface; a revoluble distributor-member mounted at said aperture, said member of substantially cylindrical figure, and constructed having obliquely disposed channels therein defined by impervious material of full diameter, said channels being adapted to serve as pneumatic conduits between the vacuum and the work-surface, and to carry away dirt removed therefrom, and the full-diameter structure being adapted to be interposed between the vacuum and the work-surface, said structure having a full-diameter area greater than the mouth-area of the channels defined by it; brush devices mounted on said member, adapted to cooperate with said several devices in the cleaning; and means adapted to rotate said member through all of its angular positions thereby directing the vacuum upon changing local portions of the work-surface.

2,244,078
BALING PRESS AND A METHOD OF BALING
Benjamin B. Periberg, Brooklyn, N. Y.
Application May 4, 1939, Serial No. 271,650
13 Claims. (Cl. 78—42)

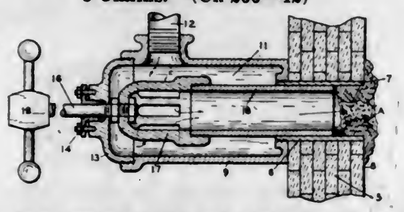
1. In a baling press, a primary baling chamber

having an open top, a movable cover for the open top, a secondary baling chamber communicating with the primary baling chamber at one end of the primary baling chamber, a ram movable in the primary baling chamber to compress a charge of material in the primary baling cham-



ber to bring the bulk of the charge into alignment with the secondary baling chamber, means for compressing the charge in the primary baling chamber into the secondary baling chamber without bringing any pressure to bear upon the cover, and means for finally compressing the charge in the secondary baling chamber.

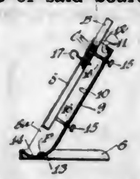
2,244,079
PUNCHING DEVICE
Jackson E. Phillips, Douglas, Ariz., assignor of one-third to Phillip C. Hall and one-third to Harold O. Savercool, both of Douglas, Ariz.
Application November 4, 1940, Serial No. 364,233
3 Claims. (Cl. 266—42)



1. In a device of the character described, the combination with a furnace having a wall structure, a pipe extending through said wall structure and having its inner end flush with the inner surface of the wall structure, an air chamber connected to said pipe, means for supplying air to said chamber, an open ended tubular punch slidably mounted in said pipe and extending into said air chamber, and means for reciprocating said punch in said pipe to remove deposits which may form therein said air supply preventing molten metal from entering the open end of said punch.

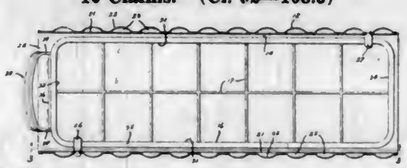
2,244,080
MERCHANDISE PUNCHBOARD DEVICE
Kenneth E. Rebstock, Mankato, Minn.
Application March 13, 1939. Serial No. 261,544
4 Claims. (Cl. 273—139)

1. A holder and article collector for merchandise punch boards comprising, a pair of slidably telescoped and horizontally adjustable frame sections adapted to hold punch boards varying in width in upright position for display and use, means for securing a board to said frame, a combination back member and chute comprising slidable overlapping sections secured to said respective frame sections, said chute being disposed rearwardly of and in spaced relation to the rear surface of said board and extending below the lower edge of said board, and a collection



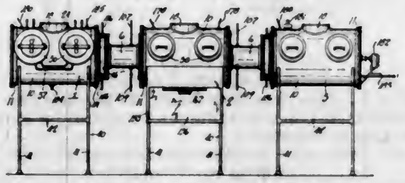
trough connected with said frame for receiving punch-ejected articles from said chute, said trough being accessible from the front of said board.

2,244,081
ICE CUBE MECHANISM
Donald H. Reeves, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 5, 1938, Serial No. 194,121
Renewed November 2, 1939
10 Claims. (Cl. 62—108.5)



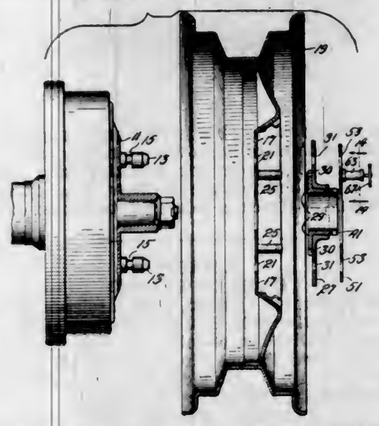
10. The combination, with a support member, of a tray member removably carried by said support member and adapted to contain a substance to be frozen, means movably attached to one of said members and adapted to engage the other of said members for imparting force therebetween, said means being operable to move at least a portion of the tray member relative to its support member, fixed means in the path of movement of said tray member disposed to be engaged only at diagonally opposed points along the sides thereof for stopping movement of the tray member, and said first named means being normally so positioned with respect to said fixed means that the engagement of said tray member with said fixed means causes the force to twist said tray member about a horizontal axis extending longitudinally thereof for breaking the bond between the frozen contents and walls of the tray member.

2,244,082
APPARATUS FOR AND METHOD OF MAINTAINING AND WORKING WITH BIOLOGICAL SPECIMENS IN A GERMFREE CONTROLLED ENVIRONMENT
James A. Reyniers, South Bend, Ind.
Application June 14, 1937, Serial No. 148,102
20 Claims. (Cl. 128—1)



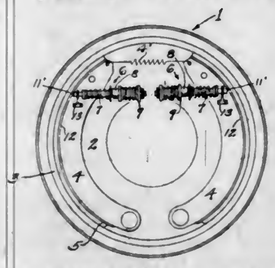
1. Apparatus of the character described, comprising a plurality of independent chambers, means interconnecting said chambers in sealed relation to form a sealed assembly, removable closure means interposed between said chambers and controlled by an operator from the exterior of said assembly, and means for sterilizing selected chambers while said assembly is sealed, said closure means being releasable to establish communication between said chambers without exposing the interior of any chamber to atmosphere.

2,244,083
LOCKING DEVICE
Herman Richter, Tuckahoe, N. Y.
Application April 25, 1940, Serial No. 331,504
8 Claims. (Cl. 301—9)



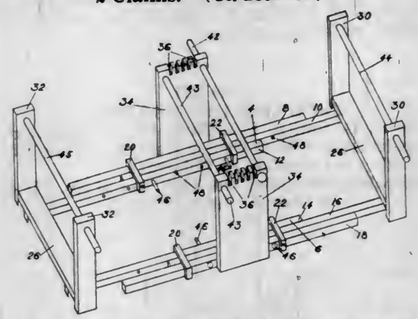
1. A locking device assembly for detachable rotary members, comprising a hub provided with locking studs, a detachable member having positioning openings therein for receiving said studs, a rockable lock plate having locking openings to receive said locking studs, thrust means between the lock plate and detachable member and having threaded engagement in said lock plate and being thereby movable axially of the whole assembly between said plates for pressing the detachable member against its hub and the lock plate against the locking studs, and a holding plate having releasable stop means cooperating with the thrust means for preventing thrust-pressure relieving movement of the thrust means.

2,244,084
AUTOMATIC BRAKE ADJUSTMENT
Richard Saenger, Los Angeles, Calif.
Application May 3, 1939, Serial No. 271,450
3 Claims. (Cl. 188—79.5)



1. A brake assembly to automatically compensate for wear comprising a brake plate, a pair of brake shoes thereon, brackets on each plate, one for each shoe, a support member mounted in each of said brackets, means to adjust the position of each support member relative to said bracket, a spring to normally urge each support member to such adjusted position, a releasing spring for the brake shoes adapted to move said support members in a direction opposite to that of said first named spring, means on the support to limit said movement of the support members relative to their brackets by said release spring, a plunger member slidably guided by each support member and abutting the associated brake shoe, a spring on said plunger, a lock member about said plunger, means on each support member to cause said lock member to lock said plunger against its support member when the associated shoe moves the plunger, said lock member being releasable to free the plunger for movement with its shoe as the latter moves away from the associated bracket beyond the adjusted distance of said first means.

2,244,085
LOOM
Anna T. Schneidewendt, Chicago, Ill.
Application March 15, 1940, Serial No. 324,042
2 Claims. (Cl. 139—34)

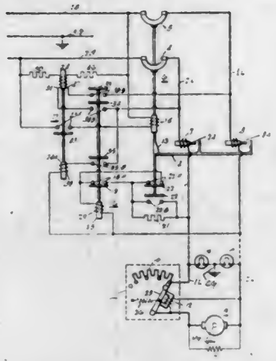


2. In a loom, an adjustable base comprised of juxtaposed strips having holes therein adapted to coincide when in position desired, bolts to be inserted into the coincident holes in the juxtaposed strips, U-shaped member adapted to hold the strips in contact relationship when the base is adjusted, transverse members affixed to the juxtaposed slidable strips, warp supporting vertical end members, woof supporting members afstrips, warp supporting pins disposed in the vertical end members attached to the transverse fixed to the strips and having slots in the top into which the woof is threaded, woof fastening pins disposed in the woof supporting member, the distance between the woof supporting members and any warp supporting member may be varied.

2,244,086
CIRCUIT BREAKER CONTROL SYSTEM
William M. Scott, Jr., Bryn Mawr, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 21, 1939, Serial No. 310,309
19 Claims. (Cl. 175—294)

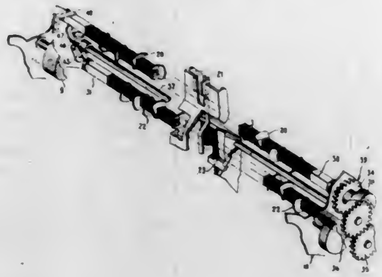
1. In combination with a system comprising a supply circuit, a load circuit, a circuit breaker for interconnecting said circuits, and automatic means for reclosing said circuit breaker, of means for automatically checking said load circuit for fault impedance prior to reclosure of said circuit breaker comprising means for deriving from said supply circuit and impressing upon said load circuit while said circuit breaker is open a reduced voltage, and means having a plurality of

windings, responsive to comparison with each other of the magnitudes of currents traversing



said load circuit conductors upon impression of said reduced voltage, for controlling said circuit breaker reclosing means.

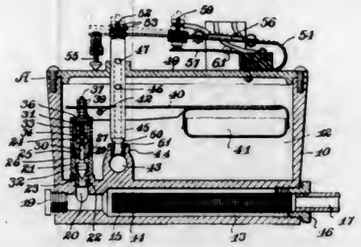
2,244,087
TYPEWRITING MACHINE
Jesse A. B. Smith, Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application December 30, 1938, Serial No. 248,489
5 Claims. (Cl. 197—63)



1. In a selective carriage stop mechanism for typewriters having a stop bar rotatable to present different groups of carriage stops thereon to a counter-stop; means to control the rotative position of said stop bar comprising, a detent rotatable with said stop bar, an array of slidable key stems, one for each group of carriage stops, a manually engageable key carried on each of said stems, and an indexing stop mounted on each of said stems, normally out of the path of said detent, said stems being slidable to selectively present the corresponding indexing stops in the path of said detent.

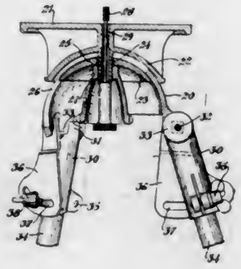
2,244,088
CONSTANT LEVEL VALVE
Charles M. Stroud, Minneapolis, Minn.
Application February 26, 1938, Serial No. 192,807
6 Claims. (Cl. 137—139)

1. A valve comprising a liquid outlet, means for regulating the flow of liquid through said outlet and thermostatically operated means for actuating said regulating means, said thermostatically actuated means including a heating element for actuating said thermostatically actuated means, a circuit to said heating element,



and a spring switch blade resiliently engaged by said thermostatically actuated means and disengageable therefrom for breaking said circuit when said thermostatic element has operated said regulating means to a predetermined extent.

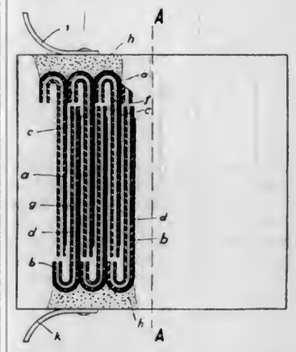
2,244,089
CAMERA TRIPOD
Richey L. Swartz, Canton, Ohio, assignor of one-half to Kenneth B. Cope, Canton, Ohio
Original application October 17, 1936, Serial No. 106,182, now Patent No. 2,171,870, dated September 5, 1939. Divided and this application December 20, 1938, Serial No. 246,812
3 Claims. (Cl. 248—181)



3. A tripod including a base, a table adjustably mounted upon the base, spaced pairs of depending lugs upon the underside of the base, a substantially triangular ear rigidly supported by and depending from one lug of each pair, a leg pivotally connected between each pair of lugs, there being an arcuate slot in each ear concentric with the corresponding pivotal connection, and locking screws carried by the legs and received in said arcuate slots of the ears for independently locking each leg in adjusted position relative to the base.

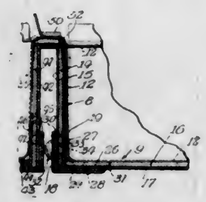
2,244,090
CONDENSER WITH METALIZED DIELECTRIC
Eberhard Traub, Stuttgart, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany
Application July 6, 1937, Serial No. 152,157
In Germany August 4, 1936
14 Claims. (Cl. 175—41)

1. A condenser comprising successive layers of metalized and non-metalized insulating material arranged so that the metalized and non-metalized layers alternate with each other, alternate metalized layers being brought into contact with each other at one edge by folding over one edge



of said alternate metalized layers and the cooperating non-metalized layers so that the folded edge of a non-metalized layer lies within the fold and the metal coating of the metalized layer faces the outside of the fold.

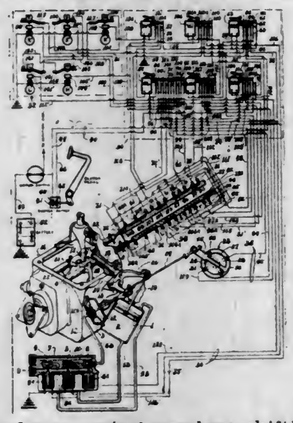
2,244,091
TRAVELING BAG
Joseph Wein, Chicago, Ill.
Application September 7, 1937, Serial No. 162,632
4 Claims. (Cl. 190—41)



1. As a new article of manufacture, a traveling bag of the Gladstone type comprising a pair of complemental oppositely facing compartment forming sections embodying substantially rigid leather faced bottom and side walls and semi-flexible end and top walls and having hinge means between the inner margins of the bottom walls for permitting them to be swung to and from one another in and out of closed relation, full length reinforcing metallic angle bars applied to and extending lengthwise of the junctures of the bottom and side walls of the sections and disposed inwardly of and serving to prevent cracking of the portions of the leather facings of the bottom and side walls at said junctures, and angle type non-metallic strips of substantially the same length as, and extending around, the angle bars, applied to and extending lengthwise of said junctures and having side legs interposed between the side legs of the bars and the contiguous portions of the leather facings of the side walls and serving to prevent corrosion of said last mentioned portions in the event of rusting of said side legs of the bars.

2,244,092
AUTOMATIC PRESELECTOR MEANS TO SHIFT GEARS
Edwin Frederick Wheeler, Baltimore, Md., assignor of one-half to Charles C. Sanford, Baltimore, Md.
Application April 10, 1939, Serial No. 267,190
18 Claims. (Cl. 192—3.5)

4. In a change speed mechanism having clutch



means and gear control members, shifting means including solenoids, contact switch means associated with and operable by the said control members, electromagnets having switch means, manually operable means to energize the said electromagnets one at a time, a master switch closed by the clutch means in the "out" position, and means whereby an electric circuit is formed through both said switch means by energization of one of the said electromagnets, the master switch when closed, and the said solenoids, so that the latter will shift the said gear control members, into a gear speed position, thence automatically by means of the first mentioned switch means energize another said electromagnet and the said solenoids, so that the latter will shift the said gear control members into a higher gear speed position, when the master switch is again closed.

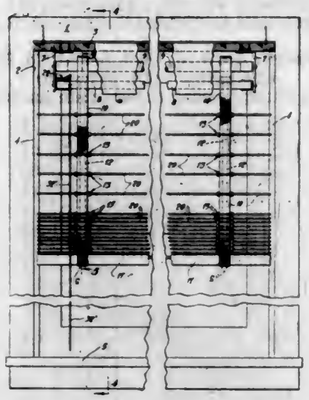
2,244,093
ROOFING AND THE LIKE
Richard A. Wilkins, Rome, N. Y., assignor to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application March 4, 1941, Serial No. 381,697
2 Claims. (Cl. 108—13)

2. Roofing comprising sheet copper presenting an extensive external roofing surface, the copper being alloyed with approximately 0.05 to 0.8% antimony, the balance of the alloy in respect to the antimony being essentially copper.

2,244,094
VENETIAN BLIND
William E. Wread, Los Angeles, Calif.
Application April 22, 1939, Serial No. 269,429
8 Claims. (Cl. 156—17)

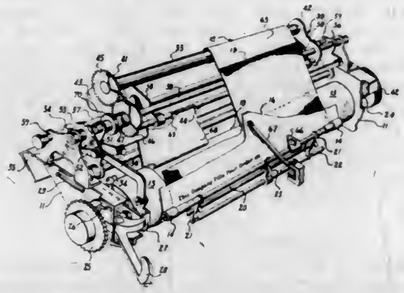
1. A Venetian blind comprising in combination, a tilting bar, a spacing tape secured to said tilting bar; slats connected to said spacing tape; a spring operated roller supported above said tilting bar, a hoisting tape connected to and adapted to be wound upon said roller, said hoisting tape when

wound upon said roller being connected to raise said slats; said hoisting tape being positioned



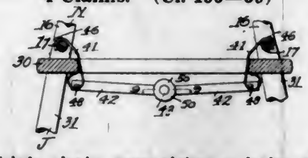
outside of said spacing tape, and said spacing tape folding inwardly between adjacent slats when said slats are hoisted.

2,244,095
TYPEWRITING MACHINE
Kenneth J. Botham and Leon Jaworski, Minneapolis, Minn., assignors to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application October 11, 1938, Serial No. 234,413
4 Claims. (Cl. 197—1)



1. In a typewriter, in combination, a carriage, a platen roll rotatably supported upon the carriage, typing elements movable against the front of the platen, means to guide a work-sheet past the front of the platen, means cooperating with the platen near the end portions thereof to feed the work-sheet at its margins, said platen having a wide annular groove between the platen end-portions of a depth slightly in excess of the thickness of a transfer-web to provide a passage for the transfer-web, a transfer-web supply-spool, means to feed the transfer-web from said supply-spool around the bottom and front of the platen in said groove with its transfer-medium-coated side facing outwardly toward the work-sheet, means to maintain the transfer-web in taut condition, whereby the work-sheet is maintained with clearance from the transfer-medium of the transfer-web, except when forced into transfer-contact therewith by the movement of the types against the platen, and means for operating said transfer-web feeding means.

2,244,096
CHILD'S CHAIR AND WALKER
John J. Brazell, Baldwinsville, Mass., assignor to E. L. Thompson Chair Corporation, Baldwinsville, Mass., a corporation of Massachusetts
Application January 26, 1939, Serial No. 252,883
4 Claims. (Cl. 155—39)



3. A high chair comprising a baby walker, a nursery chair, and a latching device on said chair detachably securing said chair in superposed assembled relation on said walker, said latching device comprising a pair of holding clips mounted to swing in opposite directions on lower parts of said chair and having lower end portions offset in opposite directions and engageable below upper parts of said walker at opposite sides thereof, a pair of toggle arms connecting said clips and movable downward to move said clips apart to complete such engagement, and limiting means effective to prevent downward movement of said toggle arms substantially beyond their operative position, whereby said clips are locked in holding position.

2,244,097
FIBROUS PADDING AND METHOD OF MAKING THE SAME
Oliver R. Burkart, Webster Groves, Mo., assignor to F. Burkart Manufacturing Company, a corporation of Missouri
Application September 14, 1936, Serial No. 100,637
13 Claims. (Cl. 154—2)



1. A pad for upholstery and the like, comprising a plurality of superposed veils of loosely arranged carded fibers and having a superficial layer only of said fibers forming the outer surface of the pad impregnated with a binder to tie the fibers of said superficial layer together into a reticulated, flexible envelope, the fibers within said envelope being freely movable with respect to each other.

9. The method of making pads for upholstery and the like, which comprises superposing a plurality of veils of carded fibers freely movable with respect to each other, compressing the superposed veils, and applying a flexible binder to a superficial layer only of the fibers forming the outer surface of the pad to tie the fibers of said layer together into a reticulated covering.

2,244,098
TOOTHBRUSH
William W. Busick, Los Angeles, Calif.
Application November 21, 1938, Serial No. 241,610
2 Claims. (Cl. 15—172)

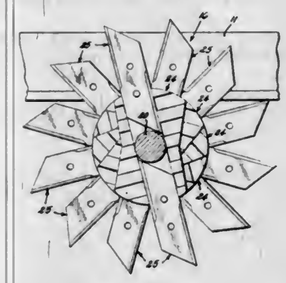
1. A device of the type described, comprising an elongated head of flexible material and an elongated handle extending from and fixedly secured to one end of said head in substantial

alignment therewith, a continuous longitudinal passage extending through said head and handle and a substantially rigid core member extending within said passage in said head and handle, that portion of said core member lying within said handle being substantially straight and that portion of said core member lying within said head being curved, means for rotating said core member with respect to said handle and head to



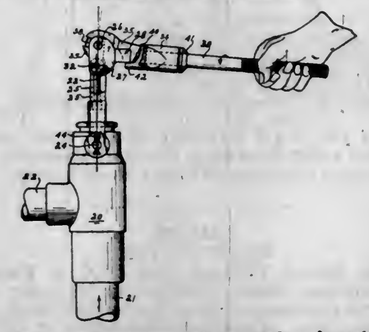
impart curvature to said head in any one of a plurality of different directions, said head having rubbing elements thereon, and additional means for yieldably retaining said core member in either of two diametrically opposite positions of rotation in one of which positions said rubbing elements on said head are on the inside of the curve of the head and in the other of which positions the rubbing elements are on the outside of the curve of the head.

2,244,099
ROTARY CUTTER
Chauncy D. Chase, Los Angeles, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application June 29, 1940, Serial No. 343,243
12 Claims. (Cl. 97—215)



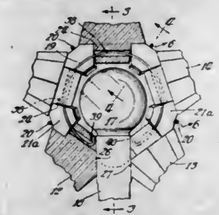
1. In a rotary cutter, the combination of: a mandrel; a series of cutter blades; a series of cutter mounting plates, each of which has an opening through which said mandrel extends; and lugs formed on the opposite faces of each of said plates for interlocking engagement with the lugs of the adjacent plates when said plates are assembled snugly face-to-face on said mandrel to prevent rotation of said plates relative to each other on said mandrel after being so assembled, said lugs on each pair of adjacent faces of said plates co-operating to form a pocket for receiving and retaining one of said cutting blades in proper assembled relation with said rotary cutter.

2,244,100
ACTUATING LEVER MECHANISM FOR RECIPROCATING VALVE STEMS
John R. Cole, Oklahoma City, Okla., assignor to American Iron and Machine Works Company, Oklahoma City, Okla., a corporation of Oklahoma
Application April 3, 1939, Serial No. 265,858
2 Claims. (Cl. 137—139)



1. The combination of: a valve housing; a valve stem reciprocatably mounted in the housing and having one end projecting therefrom; a pair of parallel links pivoted to the housing; a stem actuating element pivotally mounted between the free ends of said links, and having a pivotal connection with the stem off-set from the connection with the links; a projection carried by said element; a lever arm pivotally carried by the links upon the same pivotal axis with the stem actuating element; and, means carried by the arm for selectively engaging and disengaging said projection.

2,244,101
DECORATIVE LIGHT
Paul C. Dittman and Arthur Stechbart, Chicago, Ill., assignors to Matchless Electric Company, Chicago, Ill., a corporation of Illinois
Application January 27, 1939, Serial No. 253,033
7 Claims. (Cl. 240—10)

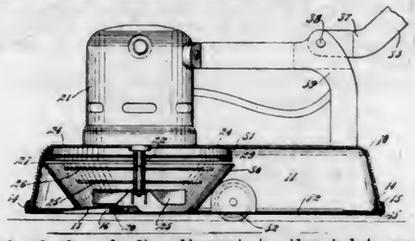


7. A light transmitting ornamental enclosure for a lamp bulb comprising an annular series of radially extending light transmitting elements, a stiff resilient retaining wire connecting the inner ends of said elements and a hollow light transmitting body having an annular series of holes in which the inner ends of said elements are mounted and one of said holes providing an entry for a lamp stem.

2,244,102
VACUUM CLEANER
Austin C. Elder, Louisville, Ohio
Application April 17, 1939, Serial No. 268,155
7 Claims. (Cl. 183—77)

1. A dust separator including a casing having

an air inlet opening in its lower side, a vertical, rotary shaft in the casing, a fan fixed upon the lower

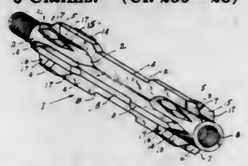


end of the shaft adjacent to the inlet opening, and a disk fixed upon the shaft above the fan and having openings adjacent its periphery.

2,244,103
PRINTING INK
Donald Robert Erickson and Paul J. Thoma, Kalamazoo, Mich., assignors to Michigan Research Laboratories, Inc., Kalamazoo, Mich.
No Drawing. Application November 22, 1939, Serial No. 305,640
8 Claims. (Cl. 134—36)

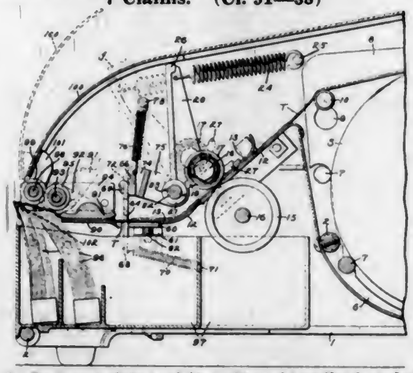
2. A non-offsetting printing ink comprising a varnish comprising a liquid poly glycol as a solvent for the resin and a resin comprising a rosin modified with an alpha beta unsaturated organic polybasic acid and having a high acid number, and in sufficient amount to form, when subjected to steam immediately after printing, a thin hard film of resin over the exposed surfaces of the printed film, and pigment insoluble in water and in said poly glycol.

2,244,104
SUCKER ROD COUPLING
Jeremiah J. Fitzpatrick, Oklahoma City, Okla.
Application January 19, 1939, Serial No. 251,731
6 Claims. (Cl. 255—28)



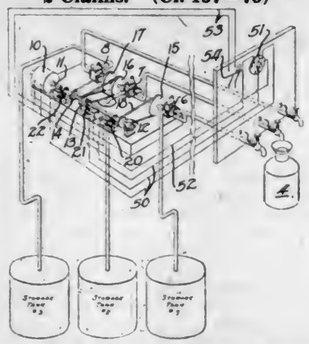
1. A sucker rod coupling, including: upper and lower rod connecting members having their axes aligned; longitudinally extending vanes, their ends connecting the members and their adjacent edge portions integrally connecting each other in substantial alignment with the axes of said rod connecting members, said vanes extending radially outward from their point of interconnection past the peripheries of the rod connecting members, both ends of each vane being bevelled inwardly to the periphery of one of said rod connecting members and also being bevelled laterally to form sharp outwardly presented paraffin cutting edges, each vane having a longitudinally extending indenture in its outer edge; and, a tubular sleeve seated around the vanes within said indentures, its periphery lying flush with the outer edges of the vanes, said sleeve having notches in its ends which are located between the vanes and which act to prevent lodgement of the device in interstices of tubing joints, said sleeve ends being bevelled inwardly to form continuous paraffin cutting edges.

2,244,105
TAPE SERVING APPARATUS, INCLUDING DIRECTIVE ADVANCING AND MOISTENING MEANS THEREFOR
Trevor R. Gautier, Nashua, N. H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts
Original application November 29, 1938, Serial No. 242,936. Divided and this application February 26, 1940, Serial No. 320,849
7 Claims. (Cl. 91—38)



1. In a machine of the class described, a frame providing support for a tape supply to be delivered in moistened lengths, guiding means defining a path for the tape, moistening means underlying the tape path adjacent the delivery point and comprising an inverted brush device having rear and forward sections, a plurality of parallel guide rollers rotatably supported one behind another substantially opposite the moistening means and having capacity for vertical yielding movement so as to float on the upper face of the tape to be moistened, said brush device cooperating with the plurality of rollers in vertical opposition thereto.

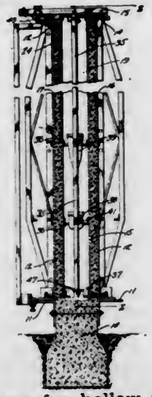
2,244,106
BULK PLANT PUMPING SYSTEM AND CONTROL
Albert J. Granberg, Berkeley, and Thomas A. McCoy, Oakland, Calif., assignors to Granberg Equipment Inc., Emeryville, Calif., a corporation of California
Application May 3, 1938, Serial No. 205,736
2 Claims. (Cl. 137—78)



1. In a bulk plant pumping system wherein a single electric motor is used to drive any one of a plurality of pumps, a loading rack remote from said motor and pumps, outlet pipes from said

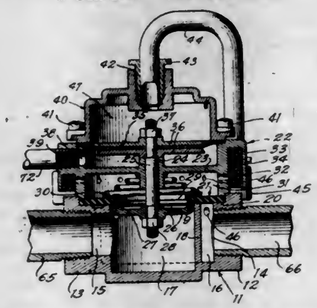
pumps terminating at said loading rack with individual valves at said rack, a line shaft directly rotated by said motor, a driving member connected to each pump each driving member mounted on and normally free to rotate on said shaft, a clutch member rotating with said shaft adjacent each driving member, a solenoid adjacent each clutch member and having a core connected to move said clutch member into engagement with the adjacent driving member when said solenoid is energized, a power supply line having a common leg connected to each of said solenoids and said motor, a direct connection from the other leg of said power line to said motor, a pump selector switch connected to said other leg of said power line and movable to connect one only of said solenoids to said other leg at one time, said selector switch being located at said loading rack adjacent said terminal valves, and a power line switch at said loading rack adjacent said selector switch for connecting said power lines to a main current supply.

2,244,107
COLLAPSIBLE CORE
Hal Hayes, Los Angeles, Calif., assignor to Hayes Econocrete Corporation of America, Reno, Nev., a corporation of Nevada
Application October 15, 1937, Serial No. 169,098
1 Claim. (Cl. 25—128)



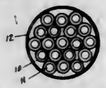
An adjustable core for hollow wall construction comprising a pair of substantially flat side panels, pairs of end panels hinged to each other along a median line of the form and hinged along their other edges to the side panels, whereby when the median hinges are drawn toward each other the core will be collapsed and the side panels will be drawn toward each other, a vertical lifting and operating bar extending downwardly through the core in the plane of said median line, toggle elements pivotally secured to the lifting bar at points in its length and secured at their outer ends to their median hinged portions, the length of said toggle elements being such as to expand the core to its operative position and to act to draw the median hinges inwardly and contract the core when the operating bar is drawn upwardly, transversely extending brace members carried on the inner faces of the panels and spreading members carried upon the lifting bar to fit between said brace members when the bar is in its lowermost position and when the toggle members are in their spreading positions, whereby the side panels will be braced and held apart during the placement of concrete around the expanded core, said brace members and spreading members having a wedging action with relation to each other to force the panels to their spread positions and to provide a temporary stop to prevent them from collapsing under the pressure applied against the panels, the lifting bar acting when drawn upwardly to withdraw the spreading members from the reinforcing means and to pull upon the toggle members to cause the collapse of the core.

2,244,108
RELAY VALVE
Floyd E. Hussong, Los Angeles, Calif.
Application January 20, 1938, Serial No. 185,946
2 Claims. (Cl. 303—28)



1. A relay valve structure for vacuum brake systems comprising: a housing structure defining a pair of substantially concentric chambers open at a common end and separated by a valve seat; an annular diaphragm valve covering the outer chamber, engaging said valve seat, overlapping the margins of the inner chamber, and having a central bleeder port for venting the inner chamber to atmosphere; a relief valve for said bleeder port, said relief valve mounted in the inner chamber and movable to raise said diaphragm valve from its seat upon closing said bleeder port whereby said inner chamber may be vented through said bleeder port or established in communication with said outer chamber; a housing element covering the diaphragm valve and clamping the margins thereof to define a bleeder chamber; a cap housing overlying said housing element; a control diaphragm clamped between said cap housing and housing element and forming with said housings opposed control chambers; and means operatively connecting said control diaphragm with said relief valve.

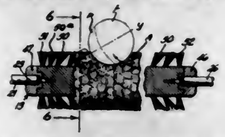
2,244,109
SLEEVE AND METHOD FOR MAKING SAME
Charles H. Klein, Cleveland, Ohio, assignor to The National Telephone Supply Company
Application January 4, 1940, Serial No. 312,386
7 Claims. (Cl. 29—148)



1. The method of making a wire and sleeve joint of high strength and of high electrical conductivity which comprises coating a portion of the inner wall of the sleeve with a molten metal comprised of nickel and chromium and which is harder than the metal of the sleeve or the metal of the wire to be joined, coating another portion of the inner wall of the sleeve with a molten metal which has a higher coeffi-

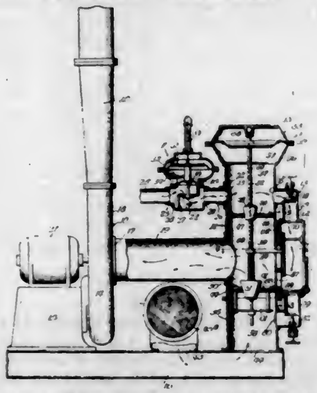
cient of electrical conductivity than the said nickel chromium metal, inserting an end portion of the metal wire into an end portion of the sleeve and compressing the sleeve and the coatings therein upon the wire.

2,244,110
FRUIT BRUSHER
George P. Marsden, Riverside, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application March 17, 1939, Serial No. 262,404
1 Claim. (Cl. 15—179)



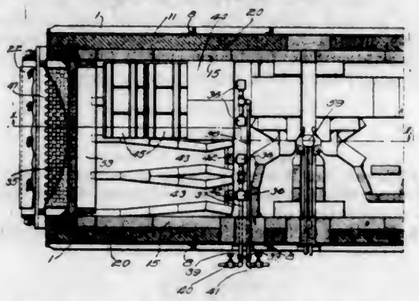
In a rotary brush, the combination of: a core; tufts of bristles mounted circumferentially on said core, said tufts being inclined at a substantial angle away from one end of said core; a circumferential row of radially disposed tufts of bristles at the end of said core away from which said first mentioned tufts incline; and a circumferential row of inclined tufts between said first mentioned inclined tufts and said radial tufts, said circumferential row of inclined tufts being inclined away from said radial tufts at an angle substantially less than the angle of inclination of said first mentioned tufts.

2,244,111
GAS MIXING APPARATUS
Garnet W. McKee, Rockford, Ill.
Application April 22, 1939, Serial No. 269,387
12 Claims. (Cl. 48—184)



1. In a gas mixing and supplying apparatus of the character described, the combination of a compressor; a mixing device comprising a casing with a mixing chamber therein, a pair of inlet orifices for the chamber and a chamber outlet in communication with the suction side of the compressor, a pair of proportioning cone valves fitting in and serving to control the orifices respectively, and means actuated by the compressor created suction for progressively and conjointly opening the valves as the suction increases and closing the valves as the suction decreases; means for supplying two different kinds of gases under atmospheric pressure to the inlet orifices for passage into the mixing chamber for mixing purposes upon opening of the valves; and means for adding to the mixture an additional quantity of either one or the other kind of gas under atmospheric pressure for compensating purposes, including a separate valve positively connected to open and close conjointly with the cone valves.

2,244,112
METHOD OF AND APPARATUS FOR ANNEALING GLASSWARE
Donald G. Merrill, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application March 2, 1936, Serial No. 66,611
29 Claims. (Cl. 49—47)



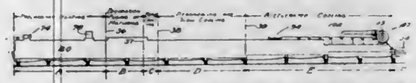
1. The method of annealing glassware, which comprises the steps of passing the ware to be annealed through an elongate lehr tunnel having a heated section and a cooling section, generating products of combustion in the heated section of the lehr tunnel in such manner that the products of combustion will envelop the ware passing through the tunnel and will flow in the tunnel to the end thereof through which the ware enters, and venting all said products of combustion to the atmosphere at said end.

2. The method of annealing glassware, which comprises the steps of passing the ware to be annealed through an elongate lehr tunnel having a heated section and a cooling section, generating products of combustion adjacent to the heated section of the tunnel, and recirculating the products of combustion in the heated section of the tunnel by energy derived at least in part from the velocity of the gases introduced into the tunnel and in such manner and direction that the recirculated gaseous media in the tunnel flow toward the sides of the tunnel at a level below the path of the ware, thence up the sides of the tunnel, toward the center thereof above the path of the ware, and thence downwardly through the path of the ware and spaced from the sides of the tunnel to be recirculated.

10. Apparatus for annealing glassware, comprising an elongate tunnel having a heating portion, open work conveying means for moving glassware through said tunnel, and a burner for generating transverse recirculations in said tunnel, said burner being located in said portion of said tunnel below the path of the ware therethrough and disposed to direct flames toward both lateral side walls of the tunnel, the region of said burner being open to the interior of the tunnel above said burner.

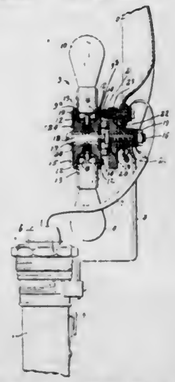
19. Apparatus for annealing glassware, comprising an elongate tunnel having a heating portion and a cooling portion, means for conveying glassware therethrough, a jet nozzle in the cooling portion of said tunnel for introducing a cooling medium under pressure into the tunnel, said jet nozzle being so disposed and directed as to cause a circulation of tunnel atmosphere in a path having a major component of direction transverse of said tunnel, a deflector associated with one wall of said tunnel and arranged to be impinged by the cooling medium from said jet nozzle said deflector being spaced from its associated wall to provide a passageway therebetween into which some of the cooling medium and tunnel atmosphere circulated by said jet nozzles may pass, and an exhaust passage connecting said passageway with the atmosphere outside the tunnel for venting from the tunnel cooling medium and tunnel atmosphere passing through said passageway.

2,244,113
LEHR AND METHOD OF TREATING GLASSWARE THEREIN
Donald G. Merrill, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application May 6, 1938, Serial No. 206,344
31 Claims. (Cl. 49—47)



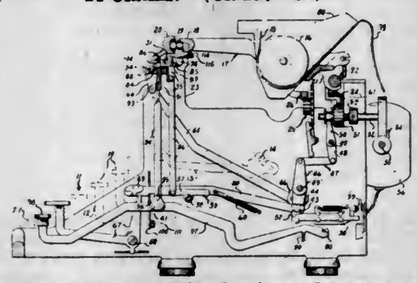
1. A lehr for decorating and re-annealing glassware, comprising an elongate tunnel, an open-work conveyor for transporting glassware therethrough, means for heating the tunnel by the introduction therein of combustion gases, said means including pressure burners for discharging hot gases into the tunnel below the conveyor and for circulating and recirculating some of said gases in orbital paths, moving at the bottom of the lehr from the longitudinal center thereof toward the lateral side walls, up said side walls and returning downwardly through the ware adjacent to the center of the tunnel, and means for removing some of said circulating gases at a place spaced from but adjacent to the ware-entering end of the tunnel and for causing a general movement of the gases toward that end of the tunnel.

2,244,114
MULTIPLE FLASH BULB CARRIER FOR PHOTOGRAPHY
Etienne Noir, San Marino, Calif.
Application January 8, 1940, Serial No. 312,876
1 Claim. (Cl. 67—31)



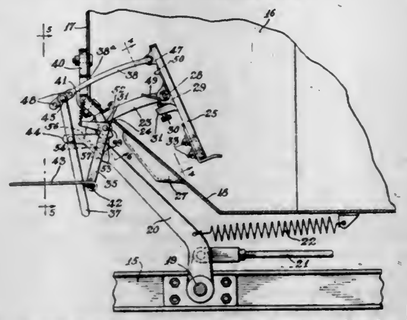
Apparatus of the type described comprising a frame member, a reflector supported on said frame member, a rotor rotatably mounted on said frame member, and having a plurality of flash lamp sockets thereon, said rotor being so positioned on said frame with respect to said reflector that rotation of said rotor successively moves flash bulbs supported in different ones of said sockets into juxtaposed relation with said reflector, an energizing circuit, and switch means actuated by rotation of said rotor for connecting each socket to said energizing circuit only while the bulb supported in that socket is positioned in front of said reflector, and auxiliary switch elements, one for each socket, for selectively connecting any of said sockets to the next adjacent socket.

2,244,115
TYPEWRITING MACHINE
Henry L. Pitman, Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application November 5, 1938, Serial No. 239,045
14 Claims. (Cl. 197—66)



2. In a typing machine having a frame, a carriage thereon, and a carriage returning mechanism; an element shiftable on the frame in the direction, substantially, of carriage movement, said element being engageable by the carriage to cause said mechanism to return said carriage, a manually operable key, and means serving automatically in response to an operation of said key to shift said element from a certain carriage-return-start-determining position to another carriage-return-start-determining position, said element being engageable by the carriage in either position.

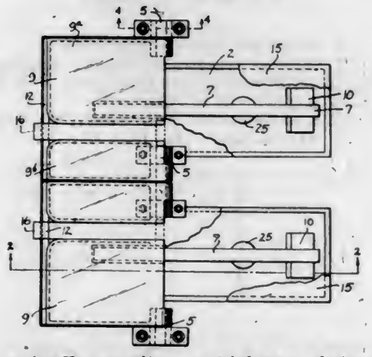
2,244,116
COMBINED BRAKE AND ACCELERATOR CONTROLLING MEANS FOR AUTOMOTIVE VEHICLES
Lubo Polonec and Anders K. Andersen, Chicago, Ill.
Application November 7, 1939, Serial No. 303,240
11 Claims. (Cl. 192—3)



1. Apparatus of the character described com-

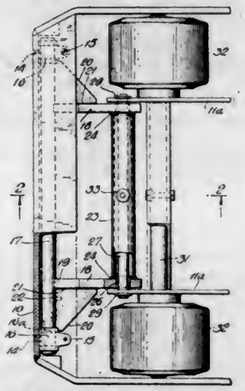
prising, in combination, a brake arm, a brake pedal carried upon said arm, and means for avoiding unintentional application of the brake by the dead weight of the driver's foot resting upon said pedal, said means being arranged to become increasingly effective to avoid such application of the brake in proportion to any increase in the dead weight upon the pedal.

2,244,117
TRAFFIC MONITOR
Laurence A. Preston, Houston, Tex.
Application May 2, 1938, Serial No. 205,508
1 Claim. (Cl. 238—3)



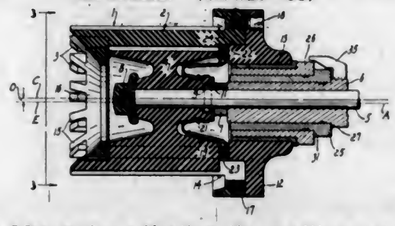
In a traffic monitor, a highway obstructing member, means normally holding said member in raised position above the highway level to obstruct traffic in one direction, and channels formed in said obstructing member to allow the wheels of a vehicle to pass therethrough in emergency traffic without obstruction.

2,244,118
MOUNTING FOR LIFT TRUCK PLATFORMS
George Quayle, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application July 25, 1940, Serial No. 347,467
13 Claims. (Cl. 254—10)



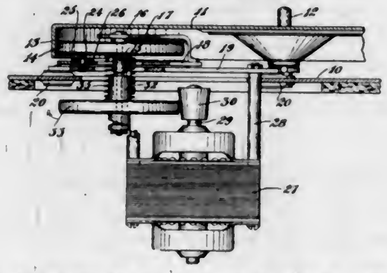
1. In a truck of the class described, a rear link assembly comprising a bearing shaft, spaced rear links each welded at one end to said bearing shaft, gussets welded between said links and said bearing shaft, a tube welded at its opposite ends to said rear links, and bearing openings in said links formed concentric with said tube.

2,244,119
REEL ADJUSTING MEANS
Fred J. Samerdyke, Rocky River, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application May 16, 1939, Serial No. 273,954
22 Claims. (Cl. 242—53)



1. Means for adjusting the positions of the axes of rotation of two rotatable parts with respect to each other comprising a member rotatably supporting one of said parts; a sleeve mounted on said member for rotatable adjustment with respect thereto having internal and external surfaces of revolution, the axes of said internal and external surfaces being inclined to each other; and a second sleeve mounted on said first sleeve for rotatable adjustment with respect thereto having internal and external surfaces of revolution the axes of which are inclined to each other, said second sleeve rotatably supporting the other of said rotatable parts.

2,244,120
COMPENSATING TURNTABLE DRIVE
Emmor V. Schneider, Alliance, Ohio, assignor to The Alliance Manufacturing Company, Alliance, Ohio, a corporation of Ohio
Application February 8, 1941, Serial No. 377,988
6 Claims. (Cl. 74—206)

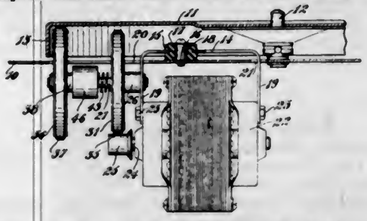


1. A transmission including a driving means, a tapered friction roller operatively connected to said driving means, a yieldable mounting member, a shaft journaled upon said mounting member, a driven means operatively connected to said shaft, a friction wheel movably mounted upon said shaft and frictionally associated with the tapered roller, and torsion spring and screw means connecting the friction wheel and the shaft for moving the friction wheel axially relative to the tapered roller to compensate for variations in drag and resultant speed changes of the driven means.

2,244,121
COMPENSATING TURNTABLE DRIVE
Emmor V. Schneider, Alliance, Ohio, assignor to The Alliance Manufacturing Company, Alliance, Ohio, a corporation of Ohio
Application February 17, 1941, Serial No. 379,227
4 Claims. (Cl. 74—206)

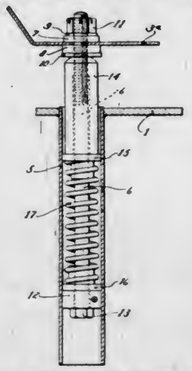
1. A transmission including a driving means, a

driven disk, a shaft operatively connected to the driving means, the axis of said shaft being located in a plane parallel to the normal plane of the driven disk, a friction wheel longitudinally movable upon the shaft and frictionally engaging the



adjacent side of the driven disk, and torsion spring and screw means connecting the friction wheel and the shaft for moving the friction wheel toward and from the center of the driven disk to compensate for variations in drag and resultant speed changes of the driven disk.

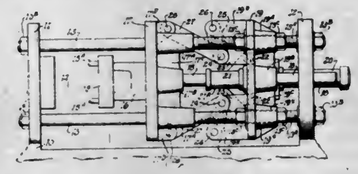
2,244,122
WHEEL STRETCHER WITH SPRING SUSPENDED LITTER
Eliot R. Scudder, Braintree, Mass., assignor to Jarvis & Jarvis, Inc., Palmer, Mass., a corporation of Massachusetts
Application April 6, 1940, Serial No. 328,245
2 Claims. (Cl. 296—20)



1. In a spring supported litter in combination, a wheel supported frame member and a litter member adapted to be mounted thereon, four-point suspension means between said frame member and litter member comprising at each point of suspension a cylinder secured to one of said members and a plunger rod secured to the other of said members, said plunger rod being mounted for reciprocable movement in said cylinder, a stop collar fastened in the lower part of said cylinder, a plunger fastened on the upper part of said rod, and a helically coiled spring interposed between said plunger and said collar, said plunger being in the form of a tubular member screw threaded on said rod for adjusting the tension of said spring and extended far enough down on said rod to retain said spring completely in said cylinder during all reciprocable movements of said plunger rod.

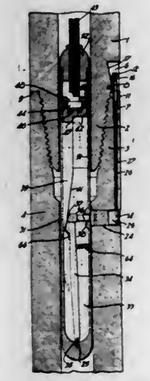
2,244,123
LOCKING AND ALIGNING MEANS FOR MACHINES
Albert T. Sebek, Cicero, Ill.
Application August 31, 1938, Serial No. 227,869
2 Claims. (Cl. 22—92)

1. In a die-casting machine having a stationary die portion and a movable die portion, a front stationary frame for supporting said stationary die portion, a rear stationary frame, spaced guide rods extending between said stationary frames and having elongated threaded portions, a holder for said movable die portion slidably mounted on said guide rods, a normally stationary member slidably adjustable on said guide rods positioned between said movable die holder and said rear frame, means for adjustably



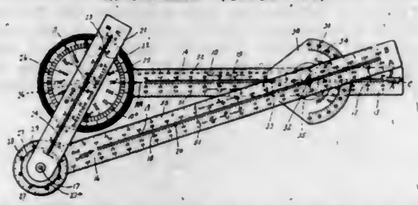
securing said member relatively to said stationary frames comprising threaded nuts on said elongated threaded rod portions, said member having a pair of tubular supports, a pair of aligning rods having corresponding ends secured to said movable die holder and the opposite ends slidably mounted in said tubular supports, and power-actuated means for moving said movable die holder and the die portion thereon into aligned cooperative engagement with said stationary die portion.

2,244,124
JOINT FOR DRILLING EQUIPMENT
Jerome Benjamin Shemeley, Maracaibo, Venezuela
Application February 10, 1940, Serial No. 318,291
10 Claims. (Cl. 255—28)



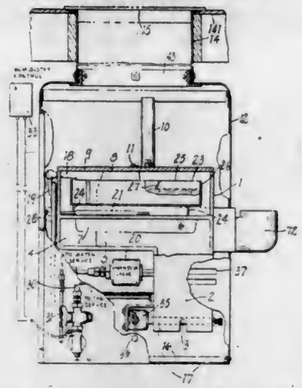
1. A joint for well drilling equipment comprising a pair of members provided with interengaging threaded portions, key-ways upon the members arranged to be positioned in longitudinal alinement when the members are screwed tightly together, a key movable along the key-way from an unlocking position entirely within the key-way of one member to a second unlocking position entirely within the key-way of the other member, and a tumbler upon one of the joint members for normally blocking movement of the key along the key-way in one direction, the tumbler being movable to release the key for movement to an unlocking position.

2,244,125
MULTIPLE VELOCITY INDICATOR
Arno G. Siefker, Indianapolis, Ind.
Application February 8, 1940, Serial No. 317,815
12 Claims. (Cl. 33—98)



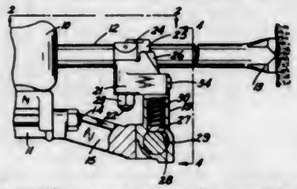
8. In a calculating device peculiarly adapted for aviation calculations, the combination of a compass member, a ground speed elongated member, an elongated air speed member and an elongated wind speed member, the elongated members having sequential and pivotal connection therebetween and arranged in a permanently closed connection arrangement, one of said elongated members having its zero point coincident with the compass center, said last mentioned members being relatively rotatable, and a wind correction angle member slidably associated with the ground speed member.

2,244,126
HUMIDIFIER
Ferris N. Smith and Harold W. Lamb, Grand Rapids, Mich., assignors to American Humidaire Corporation, Grand Rapids, Mich.
Application February 26, 1940, Serial No. 320,828
19 Claims. (Cl. 126—113)



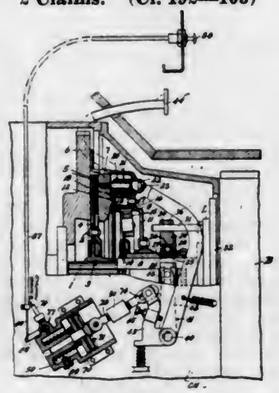
1. A self-contained humidifier comprising a casting having a U-shaped boiler and a U-shaped flue passage vertically alined therewith and separated therefrom by a horizontal partition and an integral combustion chamber communicating with one leg of said flue passage, a U-shaped sediment collection pan disposed in said boiler and having an overflow weir in the leg thereof distant from said combustion chamber, thermostatically controlled means for supplying water to said pan including a water supply line, a valve therein, and a bulb containing a thermally responsive liquid controlling said valve, said bulb being disposed adjacent and over said partition at a point spaced laterally from said combustion chamber and being free to move slightly relative to the partition whereby embedding thereof in any sediment overflowing the pan and deposition of permanent hardness on the bulb are avoided, a cover for said boiler having a vapor outlet, a burner disposed in said combustion chamber, and a casing enclosing said casting and associated parts, said casing having openings in the side wall thereof for the circulation of air past the casting whereby to heat the air, said heated air traveling past said vapor outlet and preventing condensation of vapor emitted therefrom.

2,244,127
DRILL STEEL CENTRALIZER
William A. Smith, Jr., Cleveland, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application March 7, 1939, Serial No. 260,348
4 Claims. (Cl. 255—45)



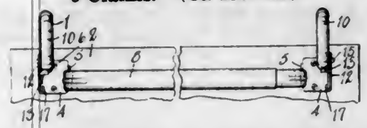
1. In a drilling apparatus, the combination with a supporting shell having a drill slidable thereon and a drill steel extending longitudinally from the drill, of a drill steel centralizer mounted on the forward end of the shell including an arm pivotally connected to said shell for rotation lengthwise of the shell, a pair of drill steel guiding fingers carried by said arm for rotation therewith, and a pivotal connection between said arm and each finger enabling independent rotation of said finger relative to said arm toward or away from said drill steel within a plane passing through the longitudinal center axis of said drill steel.

2,244,128
OPERATING MECHANISM FOR CLUTCHES
Charles B. Spase, Nedrow, N. Y., assignor to W. C. Lipe Inc., Syracuse, N. Y., a corporation of New York
Application April 28, 1933, Serial No. 668,395
2 Claims. (Cl. 192—105)



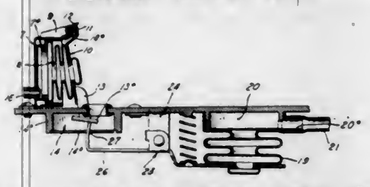
2. In a clutch including a throw-out collar operable to disengage the clutch, centrifugal means for automatically throwing in the clutch at a predetermined R. P. M. and throwing out the clutch at less than said predetermined R. P. M., the combination of clutch spring means operating, when effective, to engage the clutch, power operative means which, when operated, relieves the throw-out collar of the clutch spring means, a valve operable at the will of the operator for controlling the operation of the power means, and a clutch pedal for operating the clutch to throw out the clutch against the action of the clutch spring.

2,244,129
DRAPERY HARDWARE
Philip B. Stratton, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich.
Application July 7, 1939, Serial No. 283,197
9 Claims. (Cl. 156—22)



3. The combination of a curtain rod, a pair of festoon rings and a pair of brackets supporting both said rod and said rings with said rings disposed transversely of said rod and extending above the top of said rod and beyond said rod away from said brackets.

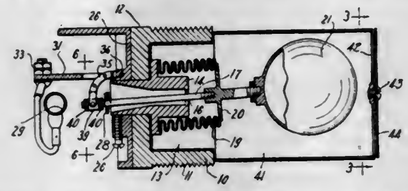
2,244,130
BAG PRESSURE INDICATOR FOR SUCTION CLEANERS
Charles G. Troxler, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 18, 1939, Serial No. 274,368
4 Claims. (Cl. 116—65)



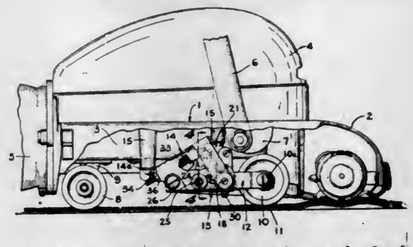
1. The combination with a suction cleaner equipped with an indicator having a signal member responsive to variations in pressure at one point in the suction-creating system of the cleaner, of an auxiliary locking device adapted to prevent the functioning of said indicator except under predetermined pressure changes and comprising a locking member adapted to be shifted into and out of a position to obstruct the movement of the signal member of said indicator toward signalling position, and a pressure-responsive element operatively connected with said shiftable locking member and responsive to pressure variations at another point in said suction-creating system.

2,244,131
COMBINATION LOW WATER CUTOFF AND PRESSURE CONTROL
Ralph E. Van Norstrand, Suffield, Conn.
Application March 28, 1939, Serial No. 264,519
8 Claims. (Cl. 200—83)

1. A combined low water and high pressure cut-off comprising a support secured to the wall of a boiler, a rod slidably and pivotally supported in said support, a bellows surrounding the rod and secured thereto so as to make a flexible fluid-tight seal between it and the support, a float carried by the rod, means constraining the rod for simultaneous sliding and tilting movement, a switch, means actuated by one of said movements of the rod for actuating the switch, and a support for said switch and for said last-named means permitting their rotative adjustment with respect to the rod after the first-named support has been secured to the wall of a boiler.



2,244,132
SUCTION CLEANER
Charles H. Taylor, Springfield, Mass., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 9, 1938, Serial No. 206,739
3 Claims. (Cl. 15—16)

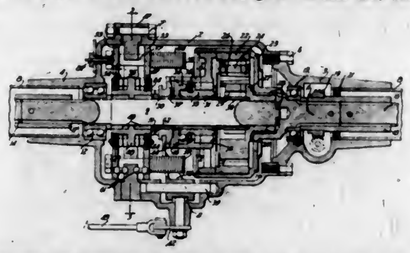


1. A suction cleaner comprising a body having a nozzle at its forward end and pairs of front and rear supporting wheels, said front supporting wheels journalled on brackets pivotally mounted on said body, a pair of auxiliary wheels associated with said front supporting wheels and arranged substantially in axial alignment therewith, brackets pivotally mounted on said body and carrying said auxiliary wheels, springs acting on said auxiliary wheel supporting brackets to counterbalance a predetermined portion of the weight of the cleaner body, a lever shiftable with the displacement of each of said auxiliary supporting brackets caused by the depression of said auxiliary wheels into the carpet surface under the operating load of said cleaner, and a cam member on each of said front wheel supporting brackets and contacting said lever to effect a corresponding vertical displacement of said primary supporting wheels and adjust automatically the height of the nozzle to the depth of penetration of said auxiliary wheels into the surface of the carpet to be cleaned.

2,244,133
TRANSMISSION
Robert S. Taylor, Seattle, Wash.
Application December 3, 1937, Serial No. 177,902
35 Claims. (Cl. 74—259)

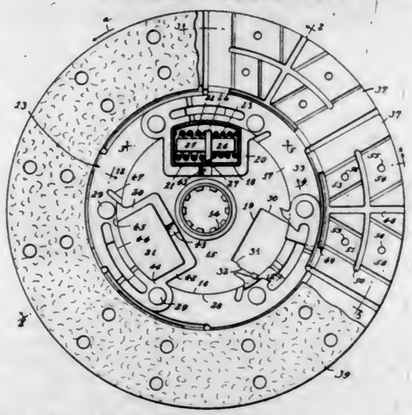
1. A transmission comprising drive and driven shafts, a planetary gear system including orbit, planet and sun gears, one of said gears being connected with the drive shaft and another with the driven shaft, a one-way clutch interposed between two of said gears, a fixed element, brake means for connecting one of the gears to the

fixed element, and means operable to release said brake means to free the gear from the fixed



element when the torque of said latter gear exceeds a predetermined value.

2,244,134
CLUTCH PLATE
W. Vincent Thelander, Rockford, Ill.
Application February 10, 1938, Serial No. 189,817
49 Claims. (Cl. 192—68)

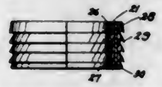


1. A clutch plate comprising a center hub, a plurality of clutch plate sections circumferentially arranged around the hub, some of the sections engaging the hub on the front face thereof and some of said plate sections engaging the hub on the rear face thereof whereby to hold the hub against axial displacement with respect to said plate sections, and means for securing the plate sections together forming an annulus substantially in concentric relation with the hub.

17. In a clutch disk comprising relatively rotatable inner and outer portions, and means providing abutments on said inner and outer portions, spring cushioning means cooperating with said abutments for resiliently resisting relative rotation, said means comprising a relatively heavy coiled spring, a relatively light coiled spring and an intermediate thrust member so arranged with respect to the heavy and light springs to permit, upon relative movement between the inner and outer portions, first a predetermined amount of compression of the light spring in the movement of its cooperating abutment relative to the other abutment until said abutment positively engages the thrust member, whereupon the thrust member in moving with the aforesaid abutment compresses only the heavy spring in the further movement of said abutment relative to the other abutment.

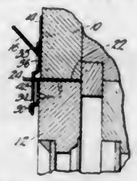
40. In a clutch disk comprising relatively rotatable inner and outer portions, and means providing abutments on said inner and outer portions, cushioning means cooperating with said abutments for resiliently resisting relative rotation, said means comprising a relatively heavily compressible medium, a relatively lightly compressible medium, and a thrust member so arranged with respect to said media and abutments to compress the heavily compressible medium in the relative movement between the abutments after predetermined compression of the lightly compressible medium.

2,244,135
PACKING STRUCTURE
John F. Wallace, Shaker Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application June 16, 1939, Serial No. 279,395
1 Claim. (Cl. 288—5)



A packing structure for operation between two telescoping elements including a sleeve-shaped member made of flexible material, longitudinally spaced lips formed on the inner and outer surfaces of said member, and a rigid sleeve mounted concentrically in the wall of said member and extending from one to the other longitudinal end thereof.

2,244,136
WINDOW SCREEN AND STORM SASH FIXTURE
John Zercher, Kansas City, Mo.
Application November 4, 1939, Serial No. 302,880
2 Claims. (Cl. 16—172)



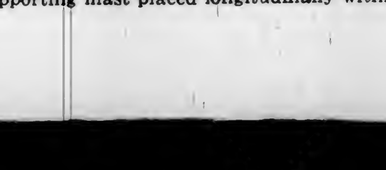
2. As a new article of manufacture, an interchangeable fixture for window screens and storm sash, comprising a stem provided with at least one slot therein intermediate its edges for the reception of a support; a crosshead, joined to the stem, intermediate its ends and having an opening formed therethrough for the reception of a hanger; and outturned marginal edges on the crosshead along opposite ends thereof, said crosshead being longer than the portion of the stem joined thereto.

2,244,137
PROTECTIVE SWITCHING MEANS FOR ROENTGEN APPARATUS
Kurt Bischoff and Bernhard Woernle, Erlangen, Germany, assignors to the firm Siemens-Reiniger-Werke Aktiengesellschaft, Berlin, Germany
Application December 7, 1938, Serial No. 244,476
In Germany December 9, 1937
16 Claims. (Cl. 250—93)

1. The combination, with a Roentgen tube, of a control switch having a preparatory position and a radiographing position, a heating circuit for the cathode of said tube completed in the preparatory position, a high tension circuit for the tube completed in the radiographing position, and means for automatically preventing the

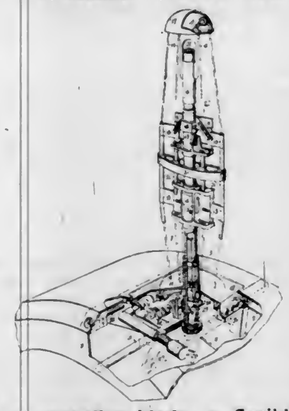
completion of the latter circuit in the event the heating circuit is defective.

2,244,138
THREAD CONDITIONING TOOL
Jesse F. Brown, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application October 2, 1939, Serial No. 297,480
12 Claims. (Cl. 10—1)



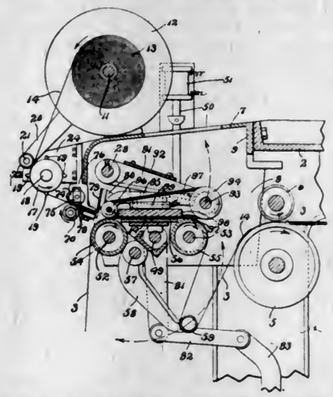
1. A tool for restoring damaged threads upon the shank of bit heads and the like, which comprises a main body portion of substantially cylindrical form having a laterally extending portion integral therewith for holding a chaser, an opening in the said main body portion extending into said laterally extending portion, a chaser mounted in said opening, resilient means for adjustably engaging the said chaser to provide a predetermined inward pressure thereon and a removable handle connected to said laterally extending portion.

2,244,139
PROPELLER
George Frederick Buckingham, Oakland, Calif.
Application January 21, 1937, Serial No. 121,493
17 Claims. (Cl. 170—161)



1. In a propeller blade, a flexible cover; a supporting mast placed longitudinally within the flexible cover; frames for concentric blade sections pivotally mounted on the mast; means adapted to hold each frame to a predetermined angle of attack with reference to the true direction of its movement, this movement being at all times and for each frame the resultant of the forward movement common to all section frames and of the rotative movement of each individual frame; automatic means which simultaneously actuate the holding means to change the angular settings of the different concentric section frames in different degree as demanded immediately changes occur in the resultant directions of the movements of the frames in order substantially to maintain the designated angle of attack with reference to the true direction of its movement in each and every concentric blade part to the end that each may function efficiently as an airfoil section at all times.

2,244,140
LABEL ATTACHING MACHINE
Harry F. Caldwell, Grand Rapids, Mich., assignor to Oliver Machinery Company, Grand Rapids, Mich., a corporation of Michigan
Application July 31, 1940, Serial No. 348,697
12 Claims. (Cl. 216—29)

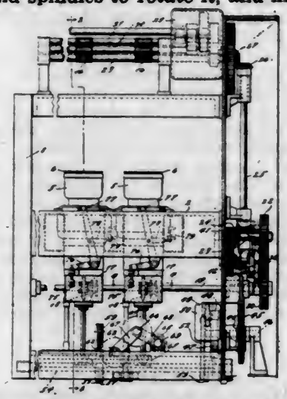


1. A labeling machine adapted to be applied to a wrapping machine wherein wrapping paper in a continuous length is carried into the machine in periodic movements with intervals including rest between movements of the paper, of means in said labeling machine for supporting and carrying a continuous length of labels, means for periodically severing the end labels, one after another from said length of labels and depositing them upon the wrapping paper during movement thereof, and means to which said wrapping paper with the labels thereon are carried for securing the label to the paper at an interval of rest in the movement thereof.

2,244,141
SPINNING OR TWISTING MECHANISM
William M. Camp, Glen Ridge, N. J., assignor to The Clark Thread Company, Newark, N. J., a corporation of New Jersey
Application March 14, 1940, Serial No. 323,986
11 Claims. (Cl. 57—100)

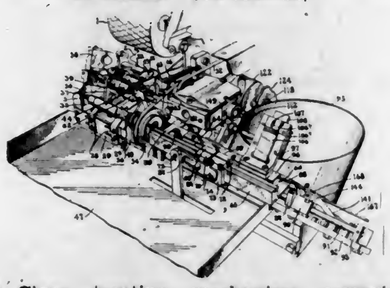
1. A spinning or twisting mechanism comprising a plurality of spindles, each adapted to have a bobbin of thread formed thereon, one or more rollers associated with each spindle and arranged to guide thread to the bobbin on that

spindle, a plurality of motors, each connected to one of said spindles to rotate it, and means nor-



mally connecting all of said motors to said rollers.

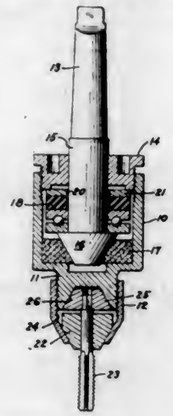
2,244,142
METHOD AND APPARATUS FOR INSERTING DRAFT ELEMENTS IN CIGARS
Sigurd Clausen, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application June 24, 1937, Serial No. 150,074
51 Claims. (Cl. 131—21)



24. Cigar treating mechanism comprising knurling means, means cooperating with said knurling means for piercing the head of a cigar, a second knurling means, means for transferring said cigar from the first to the second knurling means, and means comprising a second piercing means cooperating with the second knurling means for introducing a tube into the head of said cigar.

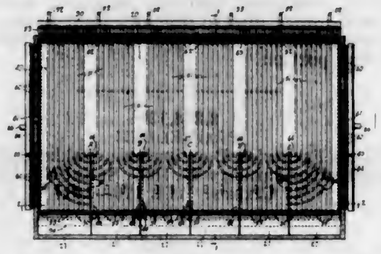
2,244,143
TAP DRIVING CHUCK
Frank A. Dowler, Alameda, Calif., assignor to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Application May 28, 1940, Serial No. 337,612
4 Claims. (Cl. 10—135)

1. In a tap driving tool of the character described, the combination of a cylindrical body member having a tap supporting chuck at the lower end thereof, a driving spindle extending into said cylindrical body member and having an enlarged head with a conical friction driving surface at its end, a non-metallic conical friction surface forming means fixed within said body member and engaged by the conical friction surface of said enlarged head, live rubber pressure transmitting means disposed about said driving spindle and cooperating with the enlarged head upon said spindle to hold the conical friction surface thereof in frictional engagement with said non-metallic friction surface, and ad-



justable means carried by said body member and acting upon said live rubber pressure transmitting means adapted to determine the frictional driving connection between the friction driving surface upon the enlarged head of said spindle and said non-metallic friction surface.

2,244,144
APPARATUS FOR AND METHOD OF BURNING FUEL TO GENERATE STEAM
Montrose K. Drewry, Milwaukee, Wis., Application August 2, 1937, Serial No. 156,866
28 Claims. (Cl. 122—235)

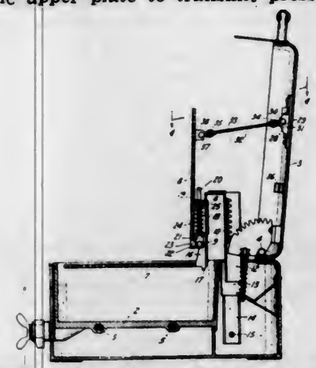


14. In a furnace for generating steam, an enclosure constituting a combustion chamber, heat absorbing walls disposed within said chamber in manner to divide it into compartments, and steam superheating tubes carried by and constituting part of said heat absorbing dividing walls.

2,244,145
FOOD COOKER
Erick G. Erickson, Moline, Ill., assignor to Wafi-Berger, Inc., Moline, Ill., a corporation of Illinois
Application July 26, 1940, Serial No. 347,694
6 Claims. (Cl. 53—7)

5. A cooker comprising a casing enclosed cooking pot, a cover pivotally connected to the casing, upper and lower pressure plates movable into and out of the pot, the upper plate being pivotally mounted with respect to the lower plate,

and crossed linkage means connecting the cover and the upper plate to transmit pressure from

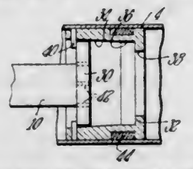


the cover to the upper plate when the cover is lowered to closed position.

2,244,146
ALLOY FOR MAKING CASTINGS
John P. Gerhauser, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
No Drawing. Application April 26, 1940, Serial No. 331,753
2 Claims. (Cl. 75—178)

2. An alloy for making castings including substantially 5.5% to 6.5% of aluminum, substantially 1 to 3% of copper, substantially 0.15% to 0.25% of silicon and zinc to constitute the remaining percentage of the alloy.

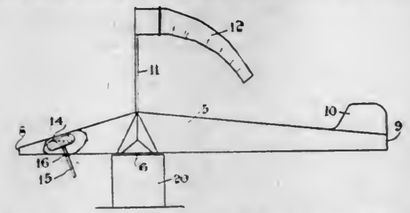
2,244,147
SHOCK ABSORBING DEVICE
Daniel B. Gish, West Springfield, Mass.
Application September 17, 1940, Serial No. 357,150
2 Claims. (Cl. 188—96)



1. An apparatus of the class described comprising in combination, a cylinder, a piston rod, a piston fixed on said rod, a member slidable in said cylinder having a bore in which said piston is disposed and a lower wall provided with an opening, the said bore having an upper part relatively larger than said piston and a lower part in which said piston is receivable and being arranged whereby said piston may move axially in said bore, and stop means in the upper end of said bore engageable by said piston, all adapted and arranged whereby the said piston may move initially from the larger part of said bore to abut the end wall of the member and act thereon and move in an opposite direction and engage said stop means and move said member in said opposite direction.

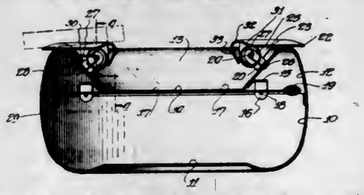
2,244,148
AIRCRAFT TRAFFIC CONTROL SYSTEM
Stuart Graham, St. Lambert, Quebec, Canada
Application August 19, 1937, Serial No. 159,949
2 Claims. (Cl. 177—352)

1. In a traffic directing system for aircraft, the combination with a rotatably mounted wind vane normally free to position itself in accordance with prevailing wind conditions of means for returning said vane to a predetermined set position when the velocity of the wind falls below a predetermined value, said means comprising an electric motor, a drive connection between the motor and the vane including a normally disengaged clutch, a normally closed wind operated switch in the field circuit of said motor, said switch being carried by said vane and being opened by wind pressure when the latter exceeds a predetermined velocity, a current reversing switch included in the field circuit of the motor in series with the wind operated switch, the cooperating stationary and movable contacts



of said reversing switch being normally positioned in circuit opening relation to disrupt the field circuit of the motor and means for operating the movable contacts of said reversing switch in response to rotation of said vane, said means serving to engage the cooperating contacts of the reversing switch to establish suitable circuit connection for energizing the motor for returning the vane to said predetermined position, a normally open armature energizing switch included in the armature circuit of said motor and means functioning, in response to closure of the wind operated switch and the reversing switch, to close said armature energizing switch, said means also serving to effect automatic engagement of said clutch to establish a drive connection between the motor and the vane.

2,244,149
ASH TRAY
Frederick W. Grantham, Winnetka, Ill.
Application September 6, 1938, Serial No. 228,467
8 Claims. (Cl. 131—240)

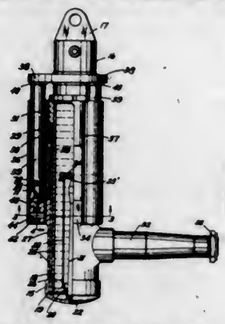


1. An ash tray comprising an ash receptacle; a support mounted thereon and arranged to operate to discharge thereinto; thermostatic means for operating said support; said support having means for retaining an article thereon in fixed relation thereto until the same has completely operated.

2,244,150
SHOCK ABSORBING STRUT
Louis W. Greve, Cleveland, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application February 6, 1939, Serial No. 254,758
6 Claims. (Cl. 244—104)

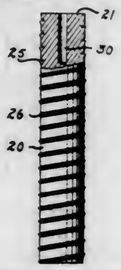
1. In a shock absorber subjected to torsional

strains, a pair of telescoping cylinders, means entirely enclosed within said cylinders for checking shocks, interfitting slidable guides outside of said cylinders rigidly attached to said cylinders for preventing relative rotation of the two cyl-



inders upon their common axis, and antifriction means between said interfitting guides including a roller carried by one of said guides for operative engagement with diametrically opposed faces of the other guide.

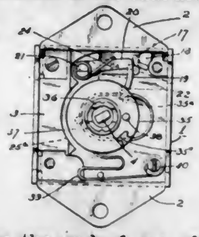
2,244,151
MASONRY ANCHOR
Van A. Hamilton, Palestine, Tex.
Application July 12, 1938, Serial No. 218,749
5 Claims. (Cl. 72—105)



3. An anchoring plug comprising a body of fibrous material, peripheral incisions in said body, the fibers adjacent one side of said incisions being displaced diagonally outwardly from the surface of the body so that when the body is forced into an anchor opening the displaced fibers increase the intimacy of engagement of the body with the walls of the opening.

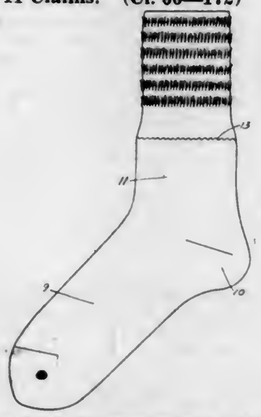
2,244,152
KEY AND PERMUTATION OPERATED LOCK
William E. Hamilton, Evanston, Ill., assignor to Dudley Lock Corporation, Chicago, Ill., a corporation of Illinois
Application September 12, 1940, Serial No. 356,489
10 Claims. (Cl. 70—285)

1. In a lock which includes a bolt and a casing in which it is movable, means for moving the bolt comprising a cam pivoted to swing in the casing and a follower cooperating therewith, the cam being formed with a portion which provides contact points at two opposite sides of said portion and the follower having two separated surfaces both transverse to its direction of travel and formed to maintain contact simultaneously with said opposite sides of the cam respectively during movement of the bolt thereby, said sides of the cam being connected by an arcuate portion concentric with the pivot axis of the cam and the follower having a clearance opening formed to permit limited rotation of the cam after said arcuate



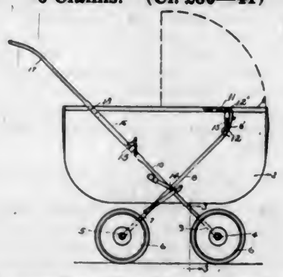
portion passes the end of one of said surfaces, whereby the cam may then continue to turn without moving the follower and the bolt.

2,244,153
HOSIERY
Arthur O. Hanisch, Altadena, Calif., assignor to Infants Socks, Inc., Reading, Pa., a corporation of Delaware
Application September 27, 1939, Serial No. 296,750
11 Claims. (Cl. 66—172)



1. A knitted fabric comprising a body fabric of wales and courses knit of a body yarn or yarns and additional walewise extending wrap threads incorporated in said body fabric and providing an ornamental cut pile design on one face of said fabric and a different type of ornamental design on the other face of said fabric.

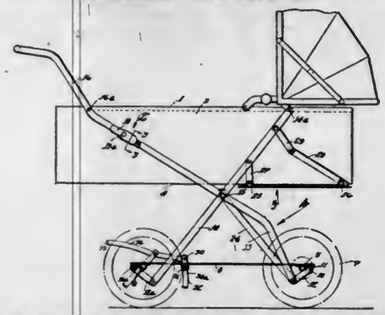
2,244,154
BABY CARRIAGE
Severine Hendrickson, Templeton, Mass., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application January 6, 1939, Serial No. 249,624
6 Claims. (Cl. 280—41)



1. A supporting frame for carriage bodies,

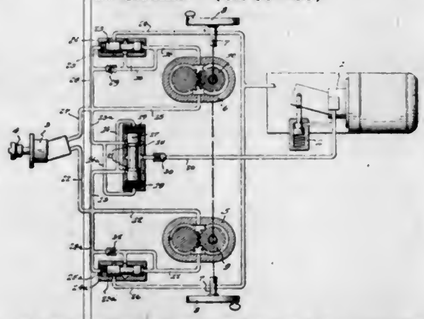
comprising front and rear axles, a pair of pivotally connected side arms on each side of the carriage body, the lower end of each arm being connected to an axle, a handle pivoted to the carriage body and pivotally connected to one of said side arms, a resilient connection between the upper end of the other side arm and the carriage body, and a connecting link between the carriage body and said other side arm at a point spaced from the resilient connection.

2,244,155
FOLDING BABY CARRIAGE
Severine Hendrickson, Templeton, and Selim A. Fred, Gardner, Mass., assignors to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application November 13, 1939, Serial No. 304,098
10 Claims. (Cl. 280—41)



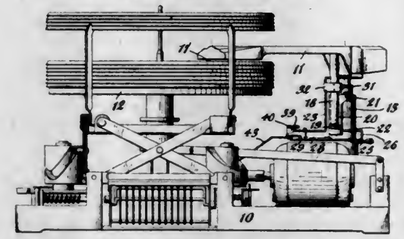
1. A supporting frame for carriage bodies, comprising front and rear axles, reaches extending between said axles and holding them in spaced relation, a pair of pivotally connected side arms on each side of the carriage body, the upper ends of said arms being adapted to be connected to the carriage body, and rigid links connecting the lower ends of the arms of each pair to one of the reaches at points spaced from the axles, said reaches being resilient so that the carriage body is resiliently mounted.

2,244,156
METERED PUMP DISPLACEMENT CONTROL
Raymond G. Hixson and Uffe K. Olesen, Detroit, Mich., assignors to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan
Application November 4, 1937, Serial No. 172,848
12 Claims. (Cl. 60—53)



1. A hydraulic follow-up device for controlling the speed and direction of a pressure operated motor, comprising a pressure source and tank, a pressure operated directional control valve adapted to direct liquid under pressure to said motor, and two manually operated control pumps, one of which directs pressure to shift said directional control valve and the other being located in series with the exhaust of said motor and the tank whereby the exhaust flow of the motor is metered through said last named pump at a rate depending on the speed at which the manually operated pumps are actuated.

2,244,157
TONE ARM CONTROL MECHANISM FOR PHONOGRAPHS
Otto A. Hokanson, Snyder, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio
Original application October 16, 1937, Serial No. 169,442. Divided and this application October 18, 1939, Serial No. 300,012
6 Claims. (Cl. 274—15)



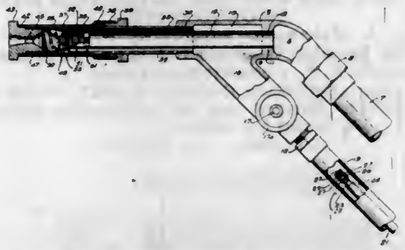
6. A tone arm mounting for automatic phonographs, comprising a post on which the tone arm is mounted to swing horizontally and pivoted to swing vertically into and out of playing engagement with a record, a brace depending from the tone arm forwardly of its pivot, a rotatable member mounted on said post for movement in one direction or the other for controlling the movements of the tone arm and including a cam, a vertically-displaceable yoke pivoted to said post between said brace and said rotatable member for actuation by said cam to control the vertical movements of the tone arm, a bar depending from the tone arm for operative coupling engagement with said rotatable member to swing the tone arm outwardly from the end of its playing position to non-play position, means engageable with said bar for yieldingly urging it in a direction to swing the tone arm inwardly from non-play position to a position for playing a record as the rotatable member is motivated in the opposite direction, and releasable latch means operatively associated with said brace and said yoke for limiting the inward swing of the tone arm, while elevated, to a position immediately over the starting groove of the record to be played.

2,244,158
WATER TREATING COMPOSITION
Findley E. Hubbard and Campbell R. McCullough, Anniston, Ala., assignors to Monsanto Chemical Company, a corporation of Delaware
Application November 4, 1938, Serial No. 238,926
6 Claims. (Cl. 252—175)



1. A water treating product comprising distinct granules of sodium hexa meta phosphate, each granule being composed of a number of irregularly shaped particles of powdered sodium hexa meta phosphate, said granules having a solubility rate in excess of said powdered sodium hexa meta phosphate.

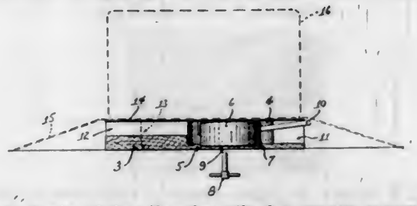
2,244,159
NOZZLE
Donald P. Hunter, Los Angeles, Calif., assignor to Turco Products, Inc., Los Angeles County, Calif., a corporation of California
Application October 28, 1939, Serial No. 301,785
5 Claims. (Cl. 299—140)



1. A nozzle device comprising: a body having therein a plurality of concentric passageways communicating at their inlet ends with said respective fluid inlets, a check valve in one of said passageways including a cone-shaped plunger having its apex disposed towards the outlet end of said passageway and adapted to seat against said outlet end, a coil spring urging said valve into seating position, a mixture chamber in the body with which the outlet ends of said concentric passageways communicate, a restricted outlet in the body communicating with the chamber and a cone-shaped screen mounted longitudinally in the chamber between the outlet ends of said passageways and the inlet end of said restricted outlet, said screen housing said spring and being disposed with its apex end towards the outlet ends of said passageways.

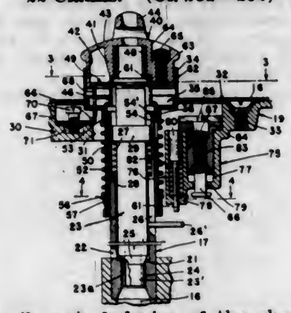
2. In a nozzle device for mixing and spraying a liquid solution, a body having therein a mixing chamber, a discharge outlet communicating with the chamber and a plurality of fluid passing lines discharging into the chamber, a valve means associated with the discharge end of one of said lines and adapted to be opened by fluid pressure within said line, said means including a tapered plunger in the discharge end of said line and seating against its discharge end, and pressure means in the chamber for urging said valve into seating position, said plunger presenting an annular impact surface towards the discharge end of said line against which the fluid passing from said line impinges, said impact surface being perpendicular to the axis of the plunger.

2,244,160
MUSICAL STAND
Andrew G. Jacobson, Los Gatos, Calif.
Application March 25, 1940, Serial No. 325,723
4 Claims. (Cl. 84—95)



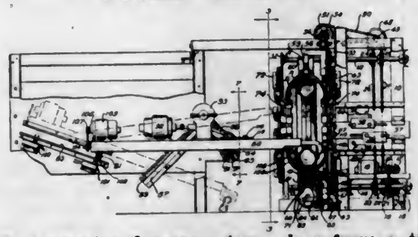
1. A stand for the described purpose comprising a flat body of solid material having greater width than height, said body having a recess formed in its upper surface, the material of the body extending across beneath said recess to form a thin bottom therefor, sound producing mechanism positioned within said recess and secured to the bottom thereof, and said body having a channel extending from said recess to its outer edge.

2,244,161
INTERCHANGEABLE METERING VALVE CONTROL
Roy W. Johnson, Milwaukee, Wis.
Application June 23, 1938, Serial No. 215,336
22 Claims. (Cl. 251—132)



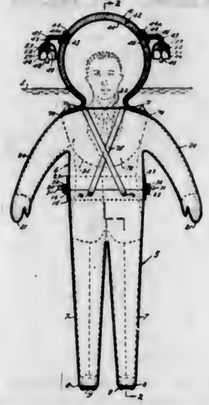
5. An oil control device of the character described comprising a casing having a liquid supply chamber provided with an outlet, a cover for the casing having an opertured portion overlying the outlet, an outlet valve cooperable with the outlet, a spring for biasing the valve to open position, manually operable means for closing the valve and comprising a knob, a bracket secured to the cover of the casing and having an opening registering with the opening thereof, a sleeve structure secured to the knob and extending down through the opening in the bracket and cover and shiftable vertically with respect to the cover and bracket, spring means between the sleeve structure and the cover for biasing the same downwardly, a cam secured to the sleeve structure and having an active cam portion surrounding the same, and an abutment supported on the cover and with which said cam portion coacts whereby upon turning of the knob the cam will be shifted vertically with respect to the cover, and means movable with the cam and engageable with the upper end of the outlet valve so that adjustment of the cam regulates the position of the valve.

2,244,162
APPARATUS FOR REMOVING CURING BAGS
Charles W. Leguillon, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 9, 1937, Serial No. 163,103
7 Claims. (Cl. 18—2)



1. Apparatus for removing a bag from a tire casing, said apparatus comprising means for pinching the bag and withdrawing it from the casing, and means for preventing injurious distortion of the bead portion of the casing through which the bag is withdrawn and for protecting said bead portion from abrasion by the bag throughout arcs of substantial extent of the bead circumference.

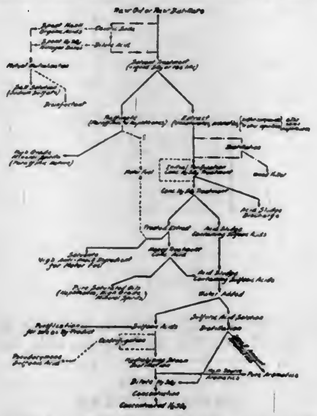
2,244,163
LIFE PRESERVER
Semen Kronhaus, Los Angeles, Calif., assignor of one-third to C. Ivanoff and one-third to Dina Kronhaus both of Los Angeles County, Calif.
Application November 18, 1939, Serial No. 305,113
1 Claim. (Cl. 9—20)



In a life preserver of the character described, a suit portion formed of a leg portion and a body portion, a neck opening in the body portion, a helmet secured to the body around said neck portion in fluid tight engagement therewith, said helmet having an opening communicating with said neck opening large enough to pass the head of an occupant, a pair of air passing tubes secured to opposite sides of the helmet and forming communication between the interior of the helmet and atmosphere, a pair of downwardly opening bell shaped members carried by the outer ends of and communicating with the respective tubes, and a sound creating means within each of said bell shaped members.

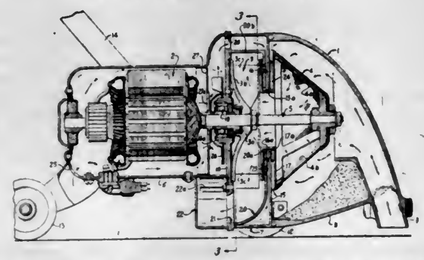
2,244,164
TREATMENT OF LIGHT PETROLEUM DISTILLATES
Arthur Lazar, Berkeley, and Thomas F. McCormick, Oakland, Calif., assignors to Tide Water Associated Oil Company, San Francisco, Calif., a corporation of Delaware
Application March 31, 1937, Serial No. 134,020, which is a division of application Serial No. 67,370, March 5, 1936. Divided and this application May 23, 1938, Serial No. 209,597
3 Claims. (Cl. 196—37)

1. The process of preparing solvents which comprises: removing non-hydrocarbons like organic acids, sulphur compounds and nitrogen bases from a distillate of petroleum oil containing aromatics, treating the thus purified oil with a selective solvent to remove an extract therefrom containing mainly naphthenic, unsaturated and aromatic hydrocarbons, distilling such extract to recover a desired light fraction therefrom, and treating such light fraction with sulphuric acid of sufficient concentration and in an amount up to 100% by volume of the fraction to remove aromatics, sulphur compounds and unsaturates and leave the remaining oil of high



naphthene content after the removal of acid sludge.

2,244,165
SUCTION CLEANER
Charles H. MacFarland, Primos, Pa., and Howard A. Shumaker, North Canton, Ohio, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 25, 1939, Serial No. 275,620
8 Claims. (Cl. 183—63)

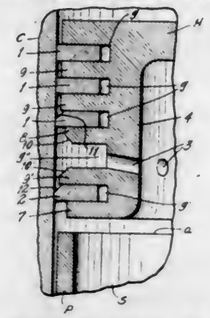


1. In a dirt-separating system, the combination of a rotary dirt-separating member mounted within a chamber having an inlet and an outlet, and means for sealing against the leakage of dirt-laden air around said separating member and through said outlet opening including means for forcing air from an external source through a passage leading to the clearance space between said separating member and the surface of said chamber adjacent its outlet.

2,244,166
PISTON
Charles A. Marien, St. Louis, Mo., assignor of one-fourth to Melvin W. Marien, St. Louis, Mo., and one-fourth to Harry A. Beimes, Webster Groves, Mo.
Application April 4, 1938, Serial No. 199,833
4 Claims. (Cl. 309—7)

1. A piston having a head and a skirt with a transverse slot between said head and skirt, said head having a plurality of ring grooves in its periphery and an oil dranage groove disposed between two of said ring grooves, the upper bounding wall of the oil groove and the upper bounding wall of the transverse slot being of less diameter

than the walls between ring grooves, the piston wall having oil drainage ports leading from the



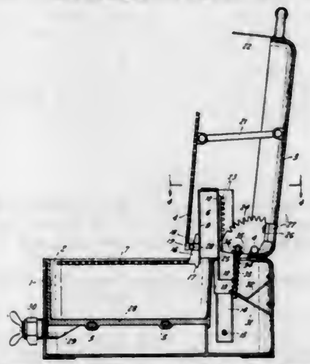
oil groove to within the piston, and the bounding walls of the oil grooves serving as ring lands.

2,244,167
GARMENT STAY
Walter L. McGee, Alameda, Calif.
Application February 23, 1940, Serial No. 320,371
3 Claims. (Cl. 2—115)



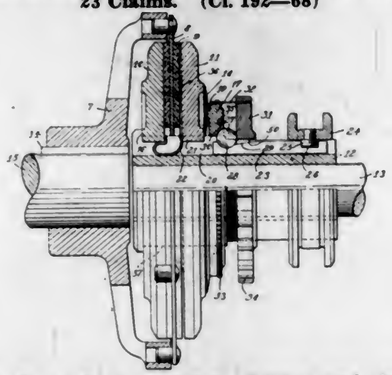
1. The combination of a soft shirt of the buttoned front type, a stay receiving pocket secured at each side of the buttoned front of the shirt, said pockets being arranged along a line passing through a buttoned portion of the overlapping shirt front, and a transversely extending stay of flexible material extending between said pockets for holding the shirt against wrinkling along said line.

2,244,168
FOOD COOKER
Herchael Wood Miller, Davenport, Iowa, assignor to Wafl-Berger, Inc., Moline, Ill., a corporation of Illinois
Application July 26, 1940, Serial No. 347,693
14 Claims. (Cl. 53—7)



1. A cooker of the type described comprising a cooking pot provided with a heating element, a cover for said pot, actuating means connected with said cover, a pair of pressure plates movable up and down in said pot, one of said plates being capable of pivotal movement about a pivot adjacent one edge thereof, guiding means to which said plates are connected, and connecting means having operative connection with the guiding means and the actuating means to transmit motion from the cover to the plates.

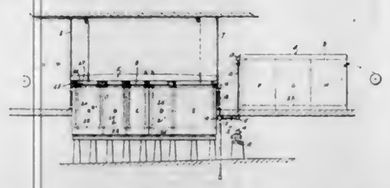
2,244,169
CLUTCH
Kay Miller, Rockford, Ill., assignor to The Atwood Vacuum Machine Company, a copartnership composed of Seth B. Atwood and James T. Atwood, both of Rockford, Ill.
Application September 5, 1939, Serial No. 293,363
23 Claims. (Cl. 192—68)



1. In a friction clutch, driving and driven shafts, a driving member turning with the driving shaft, a driven member turning with the driven shaft and having one or more longitudinal grooves provided therein, frictionally engageable driving and driven discs turning with the driving and driven members, respectively, compressible spring means for resiliently forcing said discs into engagement, a collar slidable on the driven member toward said spring means to compress the same and having radial grooves provided on the rear face thereof registering with the aforesaid longitudinal grooves, an annular abutment on the driven member in longitudinally spaced relation to and behind said collar, tapered keys slidable in said longitudinal grooves, and clutch engaging members seated on the keys and projecting radially outwardly from the longitudinal grooves into said radial grooves between the collar and abutment, the radial grooves, abutment, and keys cooperating to provide two ratio means for wedging engagement therebetween of said clutch engaging members, the first ratio being for high ratio operation of said collar and the second ratio being for low ratio operation of said collar incident to forward movement of said keys, said keys in their first short forward movement causing a quick take-up of play and light engagement of the driving and driven discs, and said keys in the subsequent longer movement causing the discs to engage with increasing pressure in the gradual build-up of spring pressure on the discs due to gradual compression of the spring means.

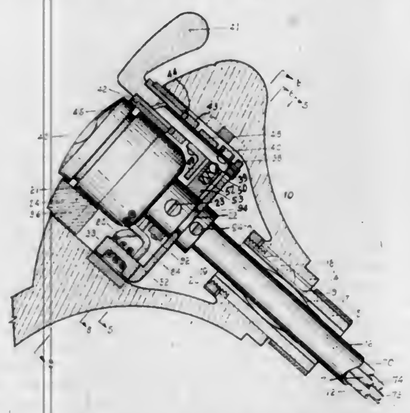
2,244,170
DEVELOPING MACHINE
Casimir A. Miketta, Beverly Hills, and Anthony G. Wise, Los Angeles, Calif., assignors to Loew's Incorporated, a corporation of Delaware
Application June 15, 1938, Serial No. 213,788
3 Claims. (Cl. 271—2.3)

1. A method of passing continuous strip film through a plurality of aqueous solutions and a drier in a continuous manner comprising: subjecting a continuous strip of film to frictionally applied, forwardly directed impulses simultaneously at a large number of points along its length by contacting the film with frictionally driven rollers rotating at the same rotational



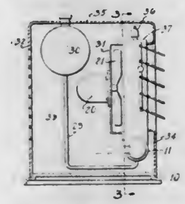
speed but at differing linear surface speeds, the forwardly directed impulses to which the film is subjected throughout the length passing through the aqueous media having a higher forwardly directed linear speed component than the linear speed component of the impulses to which the film is subjected in the drier.

2,244,171
VEHICLE SIGNAL SYSTEM
Howard J. Murray, New York, N. Y., and Walter S. Rugg, Pittsburgh, Pa.; Howard V. Rugg and Commonwealth Trust Co., Pittsburgh, Pa., executors of Estate of said Walter S. Rugg, deceased
Application September 10, 1937, Serial No. 163,224
11 Claims. (Cl. 200—59)



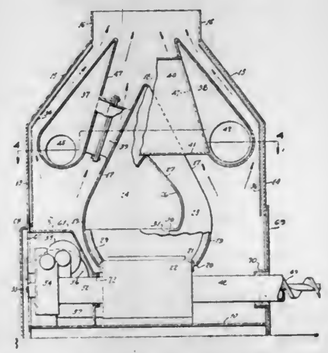
1. The combination of a hollow steering shaft, a steering wheel on the shaft, a hollow fixed shaft enclosed within the hollow shaft formed to receive a plurality of circuit portions, a manually actuated switch operating member rotatably mounted on the fixed shaft, a switch mounted on said fixed shaft, connected to said circuit portions and selectively actuated by the said member, resilient locking means for selectively holding the said switch in an on position and two off positions, means carried by the said wheel providing portions of flux paths, and means rotatably supported on the fixed shaft for producing a magnetic flux in the said paths upon the actuation of the said switch, said flux similarly acting at any position of the wheel to magnetically and yieldably connect the flux producing means and the steering wheel to act to return the said operating member and said switch to a normal position upon a rotation of the steering wheel toward straight ahead position.

2,244,172
ELECTRIC WATER HEATER
Joseph Novak, Roy, Wash.
Application September 19, 1939, Serial No. 295,591
5 Claims. (Cl. 219—39)



1. A heater of the class described having in combination a horizontal immersion heater having upwardly extending radiating tubes communicated therewith, said heater containing a minimum amount of water, an elevated storage tank connected with said heater but not in circulation therewith, means for circulating air past said radial element and means for thermostatically controlling the operation of said circulating means in response to temperature conditions.

2,244,173
FURNACE
Max C. Richardson, Portland, Oreg., assignor to Iron Fireman Manufacturing Company, Portland, Oreg.
Application June 15, 1938, Serial No. 213,829
2 Claims. (Cl. 126—99)



1. A furnace having in combination a retort, an elongated fire box disposed over said retort, straight converging sides forming an elongated ridge, a hollow air foil disposed on each side of said fire box, the sides of each of said foils converging upwardly to form a ridge, the side of each foil nearest the fire box diverging upwardly with relation thereto, a connecting duct between said foils extending around the front of the fire box, a connecting duct between one of said foils and the fire box, a smoke outlet from the second foil communicating with the atmosphere and a casing enclosing said fire box, air foils, and connections from which casing warm air can be drawn for house heating purposes.

2,244,174
MANUFACTURE OF N,N-DICYLOHEXYL-PARAPHENYLENE DIAMINE
Paul M. Ruedrich, Berkeley, and Leslie H. Sharp, Martinez, Calif., assignors to Tide Water Associated Oil Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Original application December 7, 1938, Serial No. 244,423. Divided and this application October 9, 1939, Serial No. 298,714
7 Claims. (Cl. 260—576)

6. The process of manufacturing dicyclohexyl-paraaminophenyl-tertiary amine which comprises: reacting dicyclohexylamine and paraaminophenol at a temperature between the boiling point of water and the decomposition temperature of paraaminophenol, removing the resulting water of reaction, washing the remaining products with petroleum ether and removing said ether, and washing the remaining products with aqueous ammonium hydroxide and removing said aqueous ammonium hydroxide.

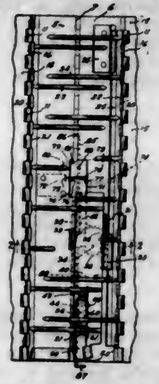
2,244,175
BOOKBINDING CONSTRUCTION
Frank Stanley Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application August 22, 1940, Serial No. 353,722
10 Claims. (Cl. 281—29)



1. The combination of a binding case made of cover and curved back portions flexibly hinged together with sheets of decorative and lining material pasted to such portions, the hinging portions of such sheets being creased to locate hinge lines and having a series of spaced slots extending transversely across said hinge lines substantially to the edges of the hinging portions, the outside sheet of decorative material having a pyroxylin coating, a filler sheet pack having a series of spaced generally circular binding loops along its margin, said loops partially protruding through the slots of the hinging portions, the outer half of the loops nested against the inside of the curved back portion with a close fit in the curvature, a plastic rod threaded along the crease of each hinge portion and under the protruding portions of the loops, each plastic rod being welded with the pyroxylin coating of the decorative sheet.

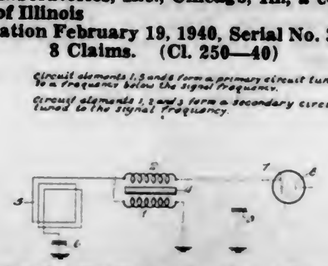
2,244,176
LOOSE-LEAF BINDER
John Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts
Application April 24, 1939, Serial No. 269,556
3 Claims. (Cl. 129—17)

1. A binder having a back portion including two hingedly connected plates, a set of prongs supported at the side edge of each plate, latching mechanism for controlling the angular relation of the hingedly connected plates and consisting of a fixed latch member on one plate having a series of notches along one edge, a pivoted latch member on the other plate having a dog adapted to engage said notches in said fixed latch member, a spring-pressed operating member adapted to releasably hold said pivoted latch member engaged with said fixed latch member, and additional means on said pivoted latch member to cooperate with one of said plates and force the pivoted member towards engagement with



the fixed member when passing from one notch to another.

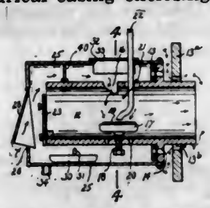
2,244,177
SIGNAL COLLECTING SYSTEM FOR RADIO RECEIVERS
William A. Schaper, Cicero, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application February 19, 1940, Serial No. 319,675
8 Claims. (Cl. 250—40)



1. A signal-collecting system for radio receivers and the like tunable over a range of frequencies, including a high-frequency transformer comprising primary and secondary windings having a common terminal and a ferromagnetic core movable relatively thereto, a capacitance effectively in series with said secondary winding and forming a secondary resonant circuit tunable by movement of said core to any desired signal within said range, an inductive element exposed to said signals, and a second capacitance effectively in series with said exposed element and said primary winding and forming a primary resonant circuit which is turned by motion of said core to a frequency lower than the frequency of said signal.

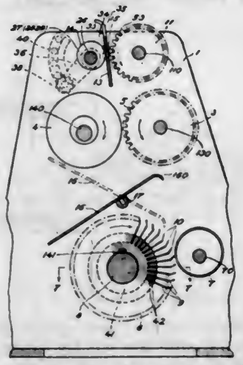
2,244,178
OIL BURNER
Alfred Irvine Senior and Maxwell McNabb, Motueka, Nelson, New Zealand, assignors to The Sirone Company Limited, Motueka, Nelson, New Zealand
Application February 28, 1938, Serial No. 193,142
In New Zealand March 25, 1937
4 Claims. (Cl. 158—91)

1. An oil fuel burner comprising, in combination, a horizontal cylindrical burner chamber open at its inner end and formed with an air entry opening in its top at about midway its length and with an annular flange extending out from near its inner end and being provided with a number of apertures through it at circumferentially spaced intervals, a burner pot fitted in the chamber beneath the said entry opening, an oil feed pipe leading downwardly into such pot, and a cylindrical casing enclosing the outer end



and the wall of the burner chamber disposed to leave a clear annular space between them and to fit at its inner end around the said annular flange, and which casing is formed with an air entry opening at its outer end.

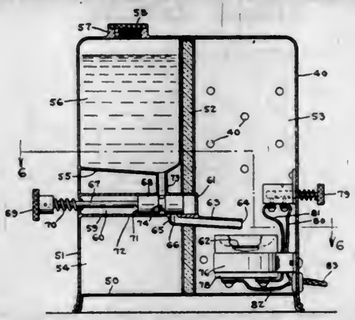
2,244,179
MACHINE FOR CLEANING ANIMAL INTESTINES
Carl H. Stridh, Goteborg, Sweden, assignor of one-half to Carl Jonsson, Goteborg, Sweden
Application June 9, 1939, Serial No. 278,359
In Sweden December 3, 1937
7 Claims. (Cl. 17—43)



1. In a machine for cleaning the intestines of different animals, a device for feeding intestines, first and second units for successively exerting a cleaning action upon intestines passing therethrough, and a baffle plate adjustably mounted between the two units and operable in one position thereof to guide intestines in a direct path from the first unit for passage through the second unit in one direction and, in a second position to deflect intestines laterally of the second unit for passage therethrough in the opposite direction.

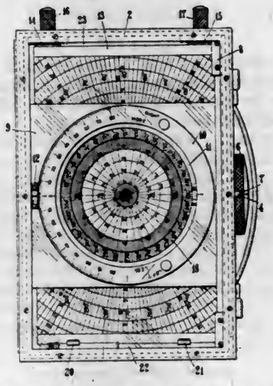
2,244,180
ELECTRIC INCENSE VAPORIZER
James T. Williams, James T. Williams, Jr., and Karl F. Riese, Minneapolis, Minn., assignors, by direct and mesne assignments, to Margaret L. Williams, Minneapolis, Minn.
Application July 29, 1939, Serial No. 287,336
2 Claims. (Cl. 219—38)

1. An electric incense vaporizer comprising a casing formed with two chambers, a receptacle for incense liquid toward the top of one of said chambers, an electric heater including a pan toward the bottom of the other of said chambers, means forming a passageway from said receptacle to overlie the pan, an interceptor comprising a piston formed with a cavity extending from one side to the other of said piston, means holding said piston normally so the cavity is presented



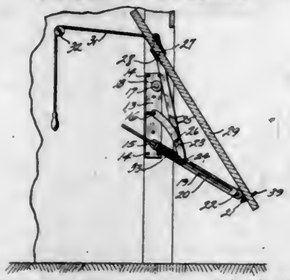
to the passageway coming from the receptacle, and means to project the piston to bring the cavity into alinement with the passageway leading to the pan.

2,244,181
DIRECTION OF GUNFIRE
John Morton Devereux Wood, Woking, England
Application June 14, 1939, Serial No. 279,219
In Great Britain June 15, 1938
2 Claims. (Cl. 33—1)



2. Apparatus for directing the fire of a plurality of dispersed guns on to a common target from a control position comprising a setting scale indicating angles and distances from the control position, a window on which the relative positions of the pivot guns of the dispersed troops are adapted to be plotted superimposed upon said setting scale, means for rotating said window to a position determined by the direction of the target from the zero line of the control position and a degree fan provided with radius range marks, said setting scale and said degree fan being formed on a piece of flexible sheet material stretched between a pair of rollers or spools whereby said setting scale may be removed from said window and its position occupied by said degree fan which is so marked as to indicate the direction and range of the target from each individual pivot gun from the gun markings plotted upon said window, and means slidably mounting said window with respect to said setting scale whereby the position plotted for any one of the dispersed pivot guns may be employed as the control position.

2,244,182
GARAGE DOOR
Charles E. Allen, Arvada, Colo.
Application April 20, 1940, Serial No. 330,701
6 Claims. (Cl. 20—16)



1. A garage door opening and closing device comprising in combination, a base having three spaced pivots arranged in substantial alignment, a link connected with one end pivot, a second link pivotally connected with the intermediate pivot and both slidably and pivotally connected with the first link, a third link pivotally connected with the second link and slidably connected with the third pivot, a door pivotally connected with the free end of the first link, and means for slidably and pivotally connecting the end of the third link to the door whereby an assembly is formed in which the door will move from a vertical to a substantially horizontal position when it is raised.

2,244,183
POLYMERIC MATERIALS
Paul R. Austin, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 26, 1938, Serial No. 226,989
9 Claims. (Cl. 260—33)

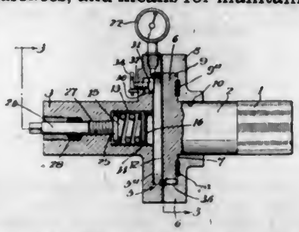
1. A synthetic linear polyamide plasticized with a sulfonamide-formaldehyde reaction product, the said polyamide being the reaction product of a polymer-forming composition comprising reacting materials selected from the class consisting of (*a*) polymerizable monoaminomonocarboxylic acids, and (*b*) mixtures of diamine and dibasic carboxylic acid; the said polyamide having an intrinsic viscosity of at least 0.4.

2,244,184
UREA-POLYAMIDE-FORMALDEHYDE RESIN
Paul R. Austin and Boynton Graham, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 30, 1938, Serial No. 232,681
6 Claims. (Cl. 260—42)

1. Process which comprises reacting under condensation reaction conditions a diprimary diamine and a dibasic dicarboxylic acid in approximately equimolecular amount with at least one mol of urea per two mols of diamine and reacting this reaction product with formaldehyde.

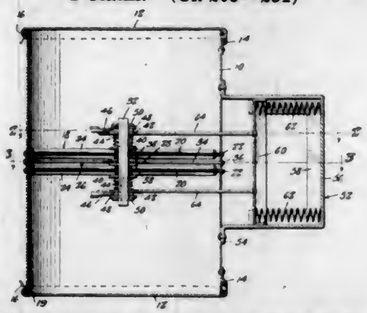
2,244,185
TOOL MOUNTING
Harding F. Bakewell, San Marino, Calif.
Application February 7, 1940, Serial No. 317,689
15 Claims. (Cl. 10—135)

1. In a tool mounting, a supporting shank, a tool shank, one of said shanks having a chamber provided with a friction surface, the other shank having an end provided with a friction surface, said shank-end being adapted for journaled reception in the chamber for engagement of the friction surfaces, and means for maintaining fluid



pressure in the chamber for engaging the friction surfaces for fixing the shanks against relative rotation, the fluid pressure permitting yielding of the engagement of the friction surfaces responsive to torque in excess of predetermined torque capacity, for relative rotation of the shanks.

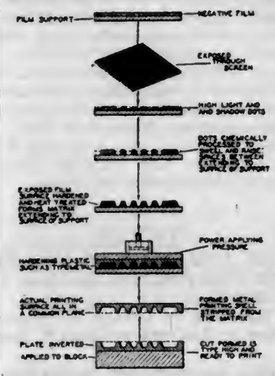
2,244,186
FLOUR SIFTER
Henry W. Braun, Coldwater, Mich.
Application October 3, 1939, Serial No. 297,748
1 Claim. (Cl. 209—251)



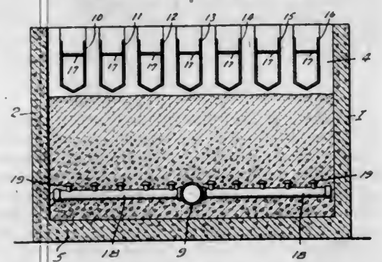
A sifter comprising an open ended tubular casing, sieves fixed inside the casing intermediate its ends and spaced one from the other, oscillatory agitators mounted upon opposite sides of the sieves, a spider fixed inside the casing between said sieves, said spider, said sieves and said agitators being provided with aligned openings, a shaft extending through said aligned openings, said shaft being rotatable in the openings in said spider and said sieves, but keyed to the agitators for rotating the latter with the shaft, with the agiators movable longitudinally of the shaft, springs engaging the two agitators on the outer faces of the sieves, means acting on said shaft and said springs for holding the latter compressed to press the two outside agitators against their respective sieves and the two inside agitators against said spider and against the inner sides of their respective sieves, and manually actuated reciprocatory means operatively connected with the agitators for oscillating the latter.

2,244,187
PROCESS OF MOLDING PRINTING CUTS FROM PHOTOGRAPHIC PLATES
Joseph T. Cochran, Chicago, Ill., assignor to Coppertone, Inc., Chicago, Ill., a corporation of Illinois
Application April 18, 1938, Serial No. 202,684
4 Claims. (Cl. 95—5.6)

1. The process of molding printing cuts directly upon a negative photographic matrix which comprises, exposing a sensitized film carried upon a supporting base through a half-tone screen, in photographically processing the sensitized film until the openings between the high-light and shadow portions formed by the screen extend to the surface of the film supporting base, in depositing a metal coating which extends to the surface of the plate through the openings in the film, in producing printing surfaces extending through the film to the base which have the same height, and in removing the metal coating in which the dots forming the printing surface are all in the same plane.

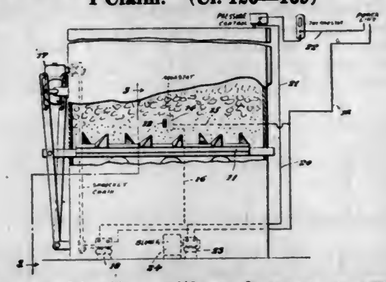


2,244,188
FILTER
Harry M. Danner, Euclid, Ohio
Application November 13, 1937, Serial No. 174,384
3 Claims. (Cl. 210—130)



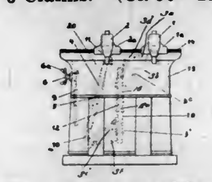
1. A filter having a filter bed the top surface of which includes finely divided mineral material, means disposed adjacent the normal level of the filter bed for causing the particles of filtering material to be subjected to a scrubbing action upon reverse flow of wash water through the filter, such means including a plurality of troughs disposed closely adjacent each other and serving to convey wash water from the filter and having their lower ends projecting downwardly immediately adjacent the top level of the filter bed, the space between such troughs being of such area and size as to provide restricted passageways through which the water flows without any substantial change in its velocity as it leaves the filter bed, the cross sectional area of the space between said troughs being substantially equal to the cross sectional area of the voids in the filter bed whereby wash water will pass through substantially all parts of the filter bed at substantially the same velocity.

2,244,189
THERMOSTATICALLY CONTROLLED GRATE
James K. Dukas, Kingston, Pa.
Application November 8, 1939, Serial No. 303,488
1 Claim. (Cl. 126—169)



In combination with a furnace, a grate, a heat conducting bar mounted within the fire-box and above the grate, said heat conducting bar having a projecting end extending outside and beyond the outer wall of the furnace, a mechanical grate shaker, a thermostat carried by the projecting end of said heat conducting bar at a point outside of the furnace, and means electrically connecting the mechanical grate shaker with the thermostat for controlling the operation of the mechanical grate shaker, the heat from the furnace being adapted to travel longitudinally of the heat conducting bar toward the projecting end thereof for actuating the thermostat in a manner whereby the mechanical grate shaker will be rendered inactive when the temperature of the bar reaches a predetermined degree to cause the thermostat to automatically cut-off the current from the mechanical grate shaker and render the mechanical grate shaker inactive.

2,244,190
PROFILE COPYING MACHINE
Hermann Ehrenberg, Frankfort-on-the-Main, Germany
Application February 3, 1938, Serial No. 188,488
In Germany February 22, 1937
6 Claims. (Cl. 90—13.1)

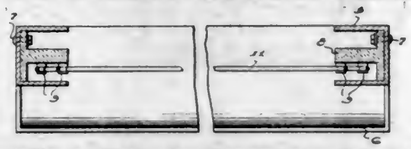


1. A profile copying machine comprising a frame having a main guide and work and copying tables, transverse slides on said main guide for a cutting tool and a guide pin, transmission means between said transverse slides comprising a shaft, a lazy tongs linkage mounted on said shaft having one end thereof pivotally connected to one of said transverse slides, a double-armed lever having one end thereof connected to the other end of said linkage, the other end of said lever being connected to the other transverse slide and said shaft and lever being disposed in substantially the same plane.

2,244,191
FLY EXTERMINATOR
Henry Luther Evans, Kress, Tex., assignor of one-half to H. A. Buhrkuhl, Kress, Tex.
Application June 5, 1940, Serial No. 339,024
1 Claim. (Cl. 43—112)

In a fly exterminator, a rectangular frame

adapted to be suspended from a fixed object, an electric circuit including two series of wire stretches extending across said frame in parallel relation and with the stretches of said series alternating in spaced relation for bridging of the current from stretches of one series to those of the other series through the body of a fly lighting on the stretches of either series, said frame comprising a pair of outer and inner frame members of insulation and conductive material,



respectively, the outer frame being internally channeled and the inner frame having a flat rim fitting against the bottom of said channel and an inwardly projecting flange on said rim centered in said channel and spaced from the sides thereof, said flange having laterally extending studs thereon within said channel around which the series of wire stretches are looped whereby said stretches are housed and insulated from the outer frame member to obviate contact therewith by individuals handling the frame.

2,244,192

PREPARATION OF POLYAMIDES

Paul J. Flory, North College Hill, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 8, 1939, Serial No. 294,027

8 Claims. (Cl. 260—78)

1. A process for making polyamides which comprises heating at polymerizing temperatures, in the presence of a non-carboxylic acid catalyst having a dissociation constant not less than 2×10^{-3}, substantially equimolecular amounts of an aromatic diamine having at least one hydrogen atom attached to each amino nitrogen atom and having a radical length of at least 5, the said aromatic diamine being one in which each amino group is nuclearly attached to an aromatic ring, and a dicarboxylic acid having a radical length of at least 5, and continuing the reaction until the resulting polymeric product has an intrinsic viscosity of at least 0.3.

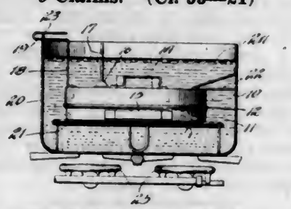
2,244,193

METHOD AND APPARATUS FOR COOKING

Thomas H. Guyon and Iras B. Guyon, Ogden, Utah, and Harry J. Guyon, Chicago, Ill.

Application June 7, 1940, Serial No. 339,240

9 Claims. (Cl. 53—21)



1. The method of cooking which comprises enclosing material to be cooked in a thin metal receptacle, and in immersing it in a liquid heated well above the boiling point of water and approximately to 375° F. or more, and in venting the interior of the receptacle to the atmosphere during the cooking.

2,244,194

PROCESS FOR EXTRACTION OF ALUMINA

Ture Robert Haglund, Stockholm, Sweden

No Drawing. Application August 3, 1937, Serial No. 157,227. In Sweden October 23, 1936

21 Claims. (Cl. 23—143)

15. In the recovery of aluminum values from bauxite, the process which comprises passing a caustic leach liquor capable of dissolving alumina, under conditions of elevated temperatures and superatmospheric pressures, upwardly through a reaction zone containing a mass of subdivided bauxite, agitating said bauxite positively thereby producing entrainment in the liquor of sludge particles formed in the process, and withdrawing the resulting pregnant liquor from an upper point in said reaction zone together with entrained fine sludge particles.

2,244,195

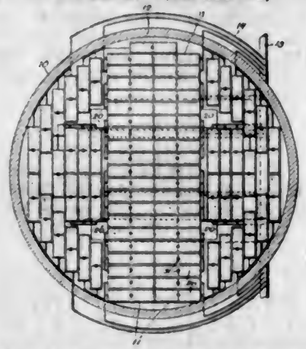
APPARATUS AND PROCESS FOR FLUIDIFYING AND MIXING BY MEANS OF COMPRESSED AIR

Alexander Hasselbach, Dessau, Germany, assignor to G. Polysius Aktiengesellschaft, Dessau, Germany

Application April 18, 1939, Serial No. 268,582

In Germany December 30, 1935

4 Claims. (Cl. 259—4)



1. A structural unit for use in the formation of gas pervious walls for the suffusion of pulverulent materials with gas, said unit including a generally flat, dished member formed of material substantially impervious to gas, a generally flat element formed of porous material pervious to gas received within and serving as a closure member for said dished member, and means including a pipe extending within said dished member and having perforations at longitudinally spaced points for introducing gas under pressure in the latter.

2,244,196

CATALYTIC PRODUCTION OF HYDROCARBONS

Wilhelm Herbert, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York

No Drawing. Application November 26, 1937, Serial No. 176,761. In Germany December 2, 1936

6 Claims. (Cl. 260—449)

1. In a process for the catalytic conversion of gas mixtures containing carbon monoxide and hydrogen into hydrocarbons mainly of paraffinic and olefinic nature and containing more than two carbon atoms while maintaining temperatures below 300° C. with a catalyst suitable for forming benzine, hydrocarbon oil and paraffin from such gases at atmospheric pressure and at temperatures below 300° C., said catalyst containing a hydrogenating metal, an activator and a carrier substance, said carrier substance constituting the major portion of the catalyst, the step comprising performing said synthesis at pressures between 2 and 200 atmospheres in the presence of a catalyst having sufficiently low activity that, when carrying out such synthesis at atmospheric pressure and otherwise under the same conditions of reaction, the synthesis would yield below 100 g. of liquid and solid hydrocarbons per normal cubic metre of synthesis gas calculated on the basis of a gas containing a 100% carbon monoxide and hydrogen mixture.

2,244,197

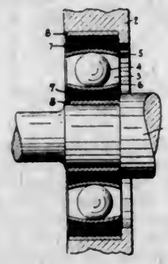
BEARING

Christian Rudolph Hessler, Leipzig, Germany

Application March 25, 1937, Serial No. 132,893

In Germany March 25, 1936

9 Claims. (Cl. 308—216)



1. A radial bearing, comprising a plurality of rolling elements, an outer and an inner, relatively thin steel ring each provided with a grooved running face for the rolling elements, and an annular bed of synthetic resin for said rings dimensioned so as to transmit the load transmitted by the rolling elements without deformation to the support.

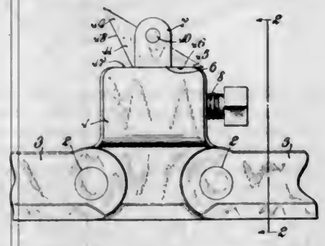
2,244,198

CUTTER CHAIN

Morris P. Holmes, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application December 27, 1932, Serial No. 649,003

13 Claims. (Cl. 262—33)



2. In a cutter chain, a bit block, a bit having a pair of plane cutting surfaces at its opposite ends and lying in oblique planes disposed at an obtuse angle with each other, and means for holding said bit in cutting position on said bit block including a surface on the bit block parallel to the path of travel of the cutter chain engageable with one of said plane surfaces on the bit.

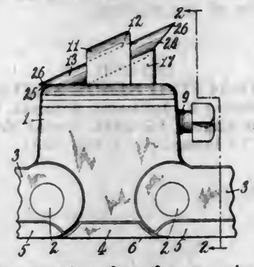
2,244,199

CUTTER CHAIN

Morris P. Holmes, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application February 27, 1933, Serial No. 658,804

24 Claims. (Cl. 262—33)



7. A bit carrying lug for a mining machine chain including a socket having a forward wall, a holder mounted in said socket, said holder including a cutter bit receiving opening, a cutter bit mounted in said opening with an end thereof extended angularly forwardly from the holder, and an abutment disposed on said lug forwardly of and projecting outwardly with respect to the forward wall of said socket, said cutter bit having its extended end in engagement with said abutment when disposed in cutting position on said lug and said holder reciprocable in said socket relative to said abutment and upon one direction of movement relative to said abutment, while the latter remains stationary with respect to the chain lug, releasing said bit for withdrawal forwardly over the abutment, while on an opposite movement effecting locking of the bit by means of said abutment.

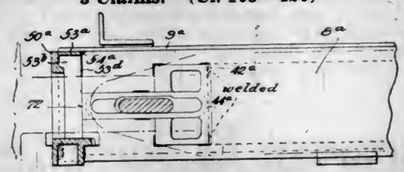
2,244,200

DRAFT ATTACHMENT FOR RAILWAY CARS

George T. Johnson, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio

Original application March 3, 1938, Serial No. 193,783. Divided and this application April 28, 1939, Serial No. 270,687

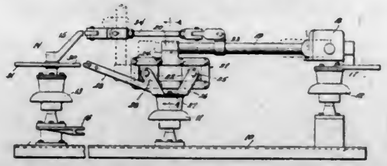
3 Claims. (Cl. 105—420)



1. In a railway car draft structure of the type comprising a center sill structure having spaced side walls and abutting top flanges, a striker casting secured to one end of the center sill structure and having a top inwardly projecting flange extending along and welded to the top flanges of the sill structure and sides abutting the ends of said side walls, and a pair of front draft lug castings secured to said side walls, the improvements comprising vertical flanges integral with the sides of the striker casting and snugly engaging the inner surface of said side walls, each of said front lug castings having slotted flanged portions extending through slots in the walls and welded to said walls, each of said pair of castings having substantially rectangular skeletal walls integral with one end of its slotted flange portion and extending upwardly

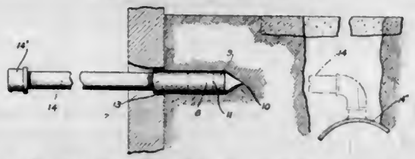
and downwardly from such flange portion, the walls of each pair of castings being arranged at the walls of the sills and secured to one of the sill walls by welding, one end of each casting of said pair forming a front draft lug, and each of said front lug castings having a vertical tie integral with the medial portion of the slotted flange portion of the casting.

2,244,201
RETRACTING BLADE SWITCH
Tomlinson F. Johnson, Atlanta, Ga.
Application August 15, 1940, Serial No. 352,799
7 Claims. (Cl. 200—48)



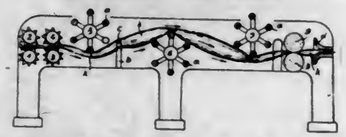
7. In a switch of the character described, a retractable and swinging blade; sprockets and a chain carrying the blade; and means to impart movements to the blade.

2,244,202
TOOL FOR LAYING AND REMOVING UNDERGROUND PIPES
William C. Johnson, Harrisburg, Pa.
Application October 4, 1939, Serial No. 297,949
5 Claims. (Cl. 255—1)



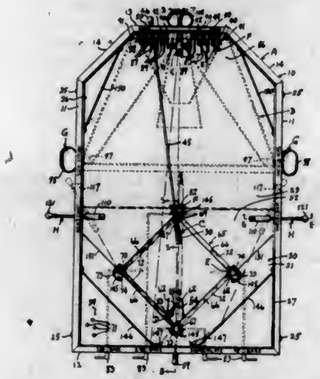
1. A tool of the class described comprising a body portion, one end of which is adapted to receive and support a new pipe section, a collar formed on the other end of the body portion and provided with a threaded socket, a rod adapted to receive and support a damaged pipe section, and a threaded portion formed on the rod and adapted to detachably engage the threaded socket in said collar.

2,244,203
ARRANGEMENT FOR LOOSENING ARTIFICIAL FIBER CABLES IN CONTINUOUS SINGLE THREADS
Rudolf Kern, Gladbach-Rheydt, Germany
Application April 24, 1939, Serial No. 269,746
In Germany February 17, 1938
2 Claims. (Cl. 19—65)



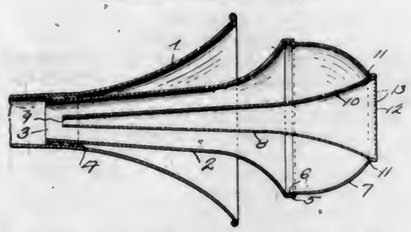
1. A device for separating artificial fiber cables into continuous single fibers comprising means for suspending said cable, a series of star-shaped rollers having flexible rods carried by the periphery thereof capable of striking and vibrating said cable and a member positioned adjacent one of said rollers for spreading said cable into individual fibers.

2,244,204
BASEBALL GAME APPARATUS
Frank H. Kessler, Ridgely, Md.
Application April 20, 1939, Serial No. 269,010
3 Claims. (Cl. 273—89)



1. A gameboard comprising a polygonal frame, ledger strips including angularly disposed sections secured in corresponding relation within opposite sides of the frame, sub-flooring boards laid on said ledger strips between said opposite sides, and a resilient sheet laid on said sub-flooring boards to provide an uninterrupted playing surface including opposite end portions, one disposed in angular relation to the other.

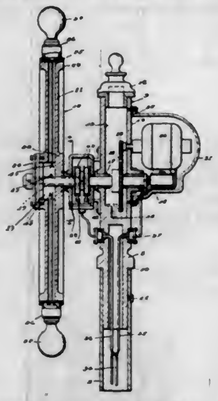
2,244,205
MUTE
Theophil M. Koeder, Naperville, Ill.
Application August 1, 1940, Serial No. 349,169
1 Claim. (Cl. 84—400)



A mute comprising an outwardly tapered frusto-conically shaped body portion, the outer end of said body portion terminating in an outwardly curved flared portion, said flared portion having connected thereto a semi-spherically shaped bell, a tone horn within the body portion and bell, a perforated closure carried by the outer end of the tone horn, said tone horn extending axially into the body portion to a point adjacent the inner end of the body portion, said tone horn comprising a second tapered frusto-conically shaped body portion having its wall concentric throughout its length with the first mentioned body portion and its outer surface at equal distance from the body portion, said tone horn being flared and outwardly curved from a point adjacent the inner end of the flared

and outwardly curved portion of the first mentioned body portion and connected to the perforated wall.

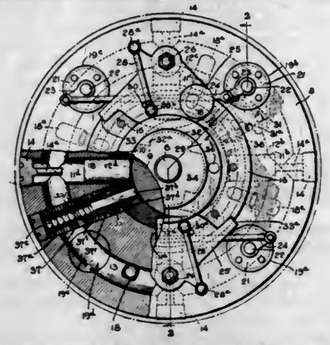
2,244,206
DISPLAY DEVICE
Herman V. Longley, Elkton, Va., assignor of one-half to Leslie C. Reeves, Haddonfield, N. J.
Application January 27, 1940, Serial No. 316,029
1 Claim. (Cl. 240—10.1)



A display device comprising an upright, a vertically arranged gear housing supported on the upright and including front and rear walls and having a lubricant sump at its bottom, a horizontally arranged shaft passing through the housing and having parts journalled in the front and rear walls thereof, a motor housing connected with the rear wall of the gear housing, a motor in the motor housing having its shaft passing through the rear wall of the gear housing, gears connecting the motor shaft with the first mentioned shaft and located in the gear housing with the gear on the first mentioned shaft extended into the sump, a wheel connected with the front end of the shaft and having a chamber in its hub and provided with hollow spokes, lamps carried by the periphery of the wheel, the front portion of the first mentioned shaft being hollow, a small housing supported from the front of the gear housing through which the shaft passes with the hollow portion of the shaft extending into the small housing, collector rings connected with the first mentioned shaft and located in the small housing, brushes in the small housing, conductors connected with the brushes and conductors connected with the collector rings passing through the hollow part of the shaft into the chamber, other conductors connecting the portions of the conductors in the chamber of the hub with the lamps and passing through the spokes.

2,244,207
HYDRAULIC POWER TRANSMISSION
Ralph K. Lorton, New Castle, Ind.
Application July 7, 1939, Serial No. 283,309
14 Claims. (Cl. 192—57)

12. In a fluid transmission system, a shaft, a cam on said shaft, a housing mounted on said shaft for free relative rotation with respect to the shaft and cam, a series of radial movable plungers mounted in said housing, fluid means for exerting varying degrees of pressure on said plungers to move the latter radially into clutching engagement with said cam, valve means for controlling the fluid pressure applied to said plungers, governor means for actuating said valve means, and means for positively locking the housing to said shaft when the valves are turned to full clutching position, said means in-

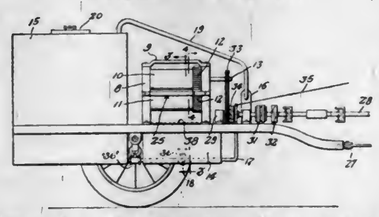


cluding a sprocket gear mounted on said shaft and a tooth carried by said governor means, the tooth engaging the sprocket when the governor means is moved through centrifugal force to full clutching position.

2,244,208
POLYMERIC MATERIAL
John B. Miles, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 22, 1937, Serial No. 170,470
12 Claims. (Cl. 18—57)

1. In the manufacture of products exhibiting by X-ray diffraction patterns molecular orientation, the step which comprises subjecting a synthetic linear condensation polymer to cold working through the application of sufficient compressive stress to cause flow of the solid polymer; the said polymer being one which is capable of being drawn into fibers showing by characteristic X-ray patterns orientation along the fiber axis.

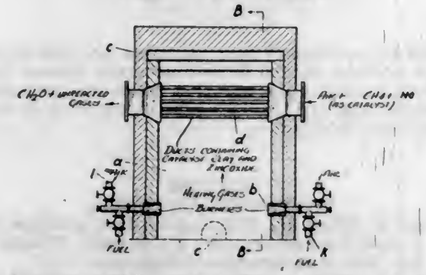
2,244,209
PORTABLE POWER CANE AND JUICE MILL
Lenis Joseph Moss, Henry, La.
Application May 13, 1939, Serial No. 273,534
1 Claim. (Cl. 100—47)



Means for extracting juice from cane in the field in which the cane is grown comprising a frame, a pair of wheels supporting the frame, upper and lower crushing rollers rotatably supported in the frame and extending longitudinally of the frame, a table for feeding cane to the rollers extending transversely of the frame and projecting from one side thereof, said table having its bottom formed of transversely extending slats with rollers between the slats, a second transversely arranged table for receiving the crushed stalks from the crushing rollers, said second table being transversely arranged and

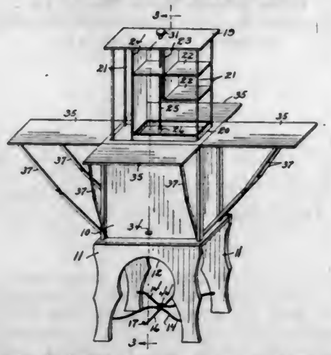
projecting from the opposite side of the frame and provided with a transverse slot adjacent its outer end, a roller journaled in the slot, a receiving tank located below the lower crushing roller for receiving the juice dropping therefrom, a screen covering the top of the tank, a storage tank on the frame, a pump, a pipe leading from the inlet of the pump to the receiving tank, a pipe leading from the outlet of the pump to the top of the storage tank and means for rotating the crushing rollers and actuating the pump.

2,244,210
METHOD FOR PARTIALLY OXIDIZING METHANE
Paul Nashan, Oberhausen-Sterkrade, Germany
Application October 4, 1938, Serial No. 233,334
In Germany October 11, 1937
1 Claim. (Cl. 260—604)



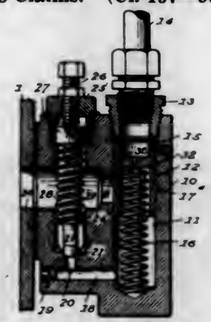
A commercial process for preparing a low molecular aliphatic aldehyde consisting in uniformly heating a mixture consisting of 49.8% by volume of a gas separated from coke over gas containing 41% by volume of methane, 50% air and 0.2% nitric oxides to a temperature of from 500° to 700° C., by passing the mixture in the presence of solid catalysts through a closed passage in a uniform heating zone.

2,244,211
PICNIC TABLE
Carl J. Nelson, Los Angeles, Calif.
Application November 2, 1938, Serial No. 238,459
2 Claims. (Cl. 190—12)



1. A picnic table comprising, a receptacle forming a food container, a knob on the top of the receptable, leg members hinged at the upper ends to the lower end of the receptacle and foldable upwardly along the sides of the receptacle in released position and rockable downwardly to extend below the bottom of the receptacle in operative position, arcuate brace members disposed transversely of respective leg members on each side of the receptacle having their ends pivoted to the leg members to be rocked toward each other so that they may extend below and across the bottom of the receptacle when the leg members are disposed in operative position, and a cross bar having terminal hooks and having a centrally disposed loop, said loop being adapted to straddle the brace member and hold the brace members in operative position when the legs are in operative position, said loop being adapted to engage said knob while the hooks engage said braces when the legs and the braces are rocked upwardly to released position to permit the cross bar and braces to serve as a carrying bail.

2,244,212
UNLOADING VALVE MECHANISM
Willis A. Patton, Cleveland, Ohio, assignor to Hydraulic Control Engineering Company, Cleveland, Ohio
Application January 12, 1939, Serial No. 250,658
3 Claims. (Cl. 137—53)

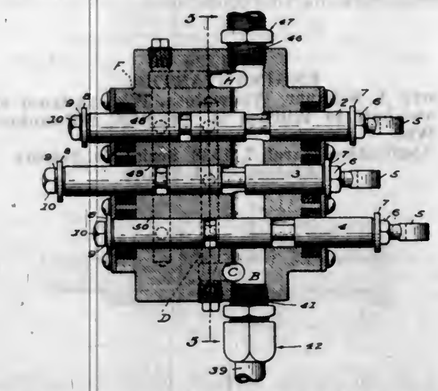


1. An unloading valve mechanism for hydraulic pressure systems comprising, in combination, a housing having a plunger chamber formed therein, one end of said chamber being adapted for connection with a high pressure line and the other end leading to a fluid exhaust passage; a discharge conduit intermediate the chamber; plunger means reciprocable within said chamber, said plunger means having a longitudinal passage extending therethrough provided with a restricted portion and a lateral conduit therethrough in communication with said longitudinal passage and arranged to communicate directly with the discharge conduit of the housing before said conduit is opened by the plunger; means for normally maintaining said plunger in a position which closes said discharge conduit and lateral conduit of the plunger; and valve means operable in response to abnormal pressure in the high pressure line and the end of the chamber leading to the fluid exhaust passage to produce an unbalanced pressure on the plunger and allow it to move to a position which opens said discharge conduit and permits the high pressure line to discharge freely therein.

2,244,213
VALVE STRUCTURE
Willis A. Patton, Cleveland, Ohio, assignor to Hydraulic Control Engineering Company, Cleveland, Ohio
Application January 12, 1939, Serial No. 250,659
5 Claims. (Cl. 277—57)

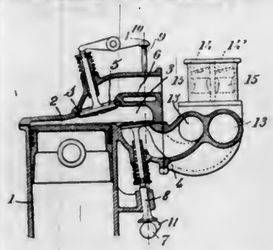
1. For use with a hydraulic system comprising a high pressure fluid supply means and a plurality of fluid displacement mechanisms: a

control valve chamber having a plurality of bores therein; a piston valve provided with spaced openings operating in each bore; said chamber being provided with a through-passage intersecting the valve bores to by-pass pressure fluid when all of the piston valves are in neutral position so that a corresponding first opening in each valve opens said through-passage, and a pressure well for each valve and having a discharge outlet, each bore of the valve chamber having a first pair of longitudinally spaced ports communicating with opposite ends of the through-passage



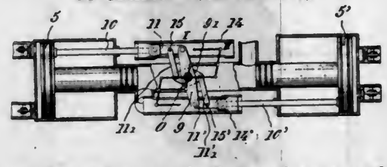
respectively, and a second pair of bore ports in alignment with the respective ports of the first pair and opening into said pressure well; and a one-way valve in that port of each second pair which is aligned with that port of each first pair which communicates with the through-passage ahead of the bore, said piston valves each having a second valve opening which is positioned between the pairs of aligned ports when the valve is in neutral position and is adapted to connect the aligned ports as the valve is moved to either side of its neutral position.

2,244,214
FUEL MIXTURE FEED SYSTEM FOR INTERNAL COMBUSTION ENGINES
Raul Pateras Pescara, Paris, France
Application October 11, 1938, Serial No. 234,441
In Luxemburg October 15, 1937
11 Claims. (Cl. 123—191)



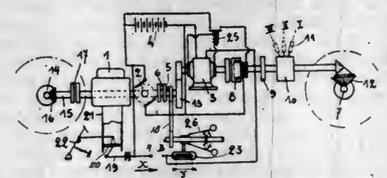
1. In an internal combustion engine, at least one cylinder having a combustion chamber, two inlet valves in said combustion chamber, distinct feed means connected with said valves, and centrifugal means for automatically controlling said two feed means in response to variations of the speed of said engine adapted to bring one of said feed means out of action at low speeds of said engine.

2,244,215
FREE PISTON MACHINE
Raul Pateras Pescara, Paris, France, assignor of one-fifth to Societe d'Etudes et de Participations Eau, Gaz, Electricite, Energie S. A., Geneva, Switzerland, a society of Switzerland
Application February 16, 1939, Serial No. 256,751
In Luxemburg February 19, 1938
13 Claims. (Cl. 74—110)



1. In a machine including a frame and two parts reciprocating in opposed directions along a common longitudinal axis of movement with respect to said frame, a synchronizing device which comprises, in combination, two members, each rigid with one of said parts, located on opposite sides of said longitudinal axis and at distances therefrom, and lazy tong interconnecting means interposed between said two members, pivoted at each end to one of said members and having at least one central oscillating lever pivoted to said frame about an axis perpendicular to said longitudinal axis and intersecting it.

2,244,216
POWER TRANSMITTING ARRANGEMENT FOR MOTOR DRIVEN VEHICLES
Henri Pieper, Brussels, Belgium
Application April 21, 1939, Serial No. 269,302
In Germany April 27, 1938
15 Claims. (Cl. 180—54)



1. In driving apparatus for driving wheeled vehicles, the combination of front and rear driving wheels, an electro-motor for driving the same and an engine capable of rotating a generator furnishing electrical current to said electromotor, transmissions with different gear ratio between the engine and the front and rear wheels and clutches in said transmissions.

2,244,217
WEEDLESS PROPELLER GUARD
John C. Pries, Lorain, Ohio
Application January 10, 1940, Serial No. 313,289
1 Claim. (Cl. 115—42)

In a guard for a propeller and a vertically disposed rudder, the combination of a body open at its rear end and tapered towards its front end, said body comprising companion side sections each having a frame and a sheet of wire mesh secured along its margins to the frame, such frame consisting of a main member and an auxiliary member, the main members being each in the form of a metal strip having a vertically extending forward portion and upper and lower arms extending rearwardly from its ends, the auxiliary members extending vertically and being bowed outwardly and formed with end

feet secured against upper and lower arms of the companion main members in spaced relation to rear ends thereof, fasteners passing through the main members to hold the said side sections in engagement with each other, the upper arms



having outwardly offset portions constituting jaws for gripping a vertically-extending propeller-shaft casing and an exhaust tube above a propeller and a rudder, and the lower arms having portions offset outwardly to form a pocket for receiving the lower end of the rudder.

2,244,218
ANTISKID CHAIN
William S. Rollings, West Newton, Pa.
Application January 15, 1940, Serial No. 314,011
2 Claims. (Cl. 152—224)



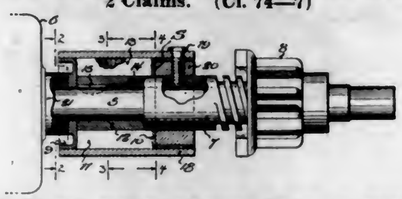
1. In anti-skid chains, a channel member adapted to extend transversely across the tread of a tire and comprising a plurality of links pivotally connected together, outwardly opening hooks on the terminal links of the channel member, and an anti-skid cross chain in the channel of the channel member connected at the ends to said hooks and adapted to drop off of said hooks when broken, said links of the channel member being cut away to provide large openings so that the links are of skeleton form and permit the cross chain to project through the links and engage the tire.

2,244,219
CLAMP
Eli Sampson, Marshfield, Oreg.
Application November 24, 1939, Serial No. 305,908
1 Claim. (Cl. 144—299)



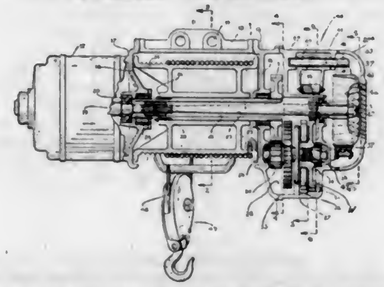
In a clamp, the combination of a pair of long rectangular side bars; a pair of similar short side bars; a plurality of notches formed in the upper face of the bars, at least one of which is in the short bars; means to hold the long side bars together in spaced apart relation including a top tie plate at one end of said bars and a bottom tie plate spaced rearwardly of the top tie plate; an intermediate rectangular bar having one of its ends secured between the short side bars and its opposite end provided with transverse ears which together with the bar end form a T-shaped head, said ears being shaped to engage a notch in the long side bars, said intermediate bar being slidable longitudinally between said tie plates and said long side bars and normally parallel to said side bars and tilted thereto when the head is being moved from one notch to another; a work-engaging head fixture slidable longitudinally on the long side bars; means to control its movement; a work-engaging tail fixture slidable longitudinally on both the long and short side bars and having a dog to engage a notch on either of said bars, the top and bottom edges of the bars between the head and tail fixtures being free of work-marring projections.

2,244,220
ENGINE STARTER
Harry A. Schauer, Wauwatosa, Wis., assignor of one-half to William H. Schmidt, Milwaukee, Wis.
Application March 7, 1938, Serial No. 194,404
2 Claims. (Cl. 74—7)



1. In an engine starting device, a starting motor having a drive shaft, a screw shaft having a pinion thereon mounted upon the drive shaft for rotary and endwise movement, a driving connection between the drive shaft and screw shaft including, a sleeve feathered on the drive shaft having a longitudinally extending abutment rib, end caps on the drive shaft having a connecting rib, means connecting one of the end caps with the screw shaft, resilient driving members on the sleeve having their terminals engaging the ribs, and a resilient member on the drive shaft disposed between the starting motor and the cap remote from the cap connected to the screw shaft.

2,244,221
ELECTRIC HOIST
Charles S. Schroeder, Philadelphia, Pa., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application October 20, 1938, Serial No. 236,037
6 Claims. (Cl. 254—168)



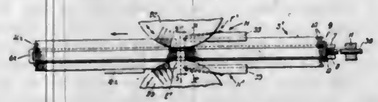
5. In an electric hoist of the class described, a motor, a motor driven shaft, a hoist drum, gearing driven by said shaft to operate said hoist drum, a brake drum secured to one end of said shaft, brakes shoes for said brake drum, operating means for said brake shoes, a housing for said brake drum, said shoes and operating means, a circular opening in said brake drum, a series of fan blades protruding from said brake drum into said opening, a circular opening for said brake drum housing concentric with said brake drum opening, a series of louvres for said housing opening, the rotation of said brake drum by said shaft pulling air into said brake drum housing through said housing opening, and a further opening in said housing through which said air is expelled from said housing.

2,244,222
COIN PACKING TUBE
Morris L. Slootsky, New York, N. Y.
Application June 12, 1939, Serial No. 278,680
3 Claims. (Cl. 133—9)



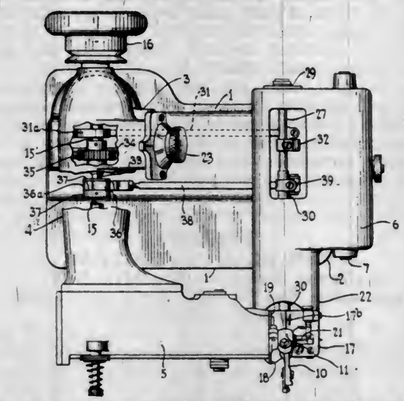
2. A coin-packing tube for use in packaging stacks of coins comprising in combination, a cylindrical tube having end enclosures, both of the end closures being partly severed from the tube by a straight, transverse line of cutting through the wall of the tube so that the wall of the tube at the ends outside the line of cutting is of a lengthwise extent substantially equal to the distance between the ball and the end of the finger and can be pinched together quickly between the thumb and forefinger to form a curved linear stop entirely in the plane of the cut edge and strongly supported by the unsevered end of the tube when the tube has been filled with a predetermined number of coins, the straight line of cutting at one end being so spaced from the other end as to measure a definite number of coins in the stack to be inserted, and to prevent the sealing of the closure when the stack contains more coins than the predetermined number.

2,244,223
METHOD OF FINISHING METAL FASTENERS
Frank B. Smithe, Douglaston, and Abraham Novick, Flushing, N. Y., assignors to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York
Original application January 27, 1937, Serial No. 122,530. Divided and this application March 14, 1940, Serial No. 323,875
5 Claims. (Cl. 51—281)



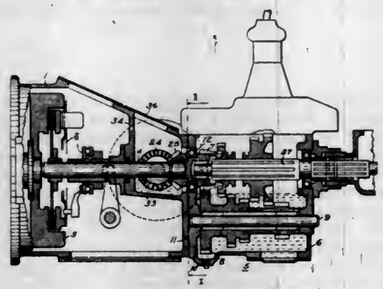
1. The continuous method of finishing the raw edges of a multiplicity of stamped sheet metal articles having identical contour and size, while assembled in stack form upon an elongated holder along which they are capable of a limited adjustment; said method including the steps of advancing the stack of articles toward a finishing station, moving the end article of the stack with reference to the next adjacent article while positioned at the finishing station so that a raw edge of the article to be finished is separated from the corresponding edge of the next adjacent article and exposed, finishing such exposed raw edge and advancing the stack of finished articles bodily away from the finishing station.

2,244,224
BLIND STITCH SEWING MACHINE
Geoffrey Stevenson, Brookline, Mass., assignor to Lewis Invisible Stitch Machine Co., St. Louis, Mo., a corporation of Maine
Application February 17, 1939, Serial No. 256,848
9 Claims. (Cl. 112—178)



1. In a sewing machine of the type described, the combination comprising a presser foot having an opening therethrough, a needle mounted for movement across the opening through the presser foot, means for actuating the needle, and node-forming mechanism for projecting the material operated upon through the opening in the presser foot and into the path of the needle including two node-forming elements relatively movable with respect to each other and mounted to move towards and away from the path of the needle, and means interconnecting the needle actuating means and said node-forming elements for effecting relative movement between the node-forming elements to render said node-forming elements independently effective at different strokes of the needle.

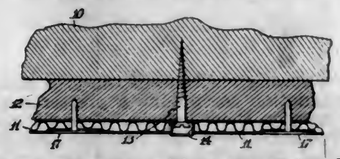
2,244,225
LUBRICATING SYSTEM
Walter F. Strehlow, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Original application June 13, 1935, Serial No. 26,352. Divided and this application August 3, 1936, Serial No. 93,955
3 Claims. (Cl. 184—11)



1. In a lubricating system, a housing containing intermeshing upper and lower gears adjacent to a wall portion thereof and having an interior space, at the side of said gears remote from said wall portion, extending from one side of a plane through the axes of said gears to the other, a

compartment communicating with said housing through an inlet opening in said wall portion and through an outlet opening, and means requiring lubrication within said compartment including a positively driven rotatable element adapted to dip into lubricant accumulating within said compartment, said inlet opening being offset from the point of mesh of said gears towards the relatively approaching teeth thereof, whereby heavy bodied lubricant elevated by said lower gear and diffused transversely ahead of said point of mesh towards said wall portion will be transferred from said housing into said compartment through said inlet opening, while the portion of said lubricant diffused transversely of said gears in the opposite direction will circulate through said space substantially without obstruction.

2,244,226
SCREW HEAD CUTTING CAP
Ira Leroy Wales, Jr., Brooklyn, N. Y.
Application May 26, 1939, Serial No. 275,845
2 Claims. (Cl. 45—22)



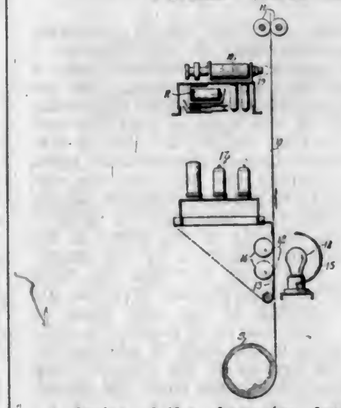
1. The combination with a suspension lumber member attached to an article by means of a screw and the panel of a carton attached to said lumber member, of a thimble-shaped, hard metal member accommodating the head of the screw and being provided with an aperture in its bottom through which the screw stem projects into the lumber member, the open end of said thimble facing outwardly and being provided with a continuous cutting edge to punch through the carton panel.

2,244,227
OPHTHALMIC MOUNTING
Joel C. Wells, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application March 28, 1939, Serial No. 264,627
2 Claims. (Cl. 88—41)



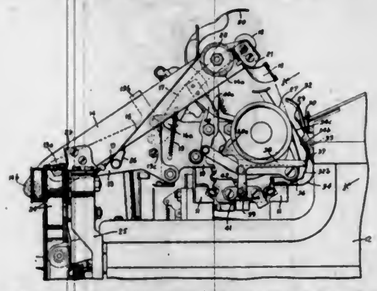
1. A supporting structure for the lenses of an ophthalmic mounting comprising a pair of lens rims with uninterrupted substantially continuous outer surfaces on the temporal sides thereof adapted to be fitted about the contour edges of the lenses and having divided portions adjacent their nasal sides, each of the divided ends of said divided portions having perforated attachment lugs secured thereto, means extending within the perforations of said attachment lugs for connecting the same to secure the meeting ends together, bridge means having a central arch portion and depending side portions secured adjacent the terminal ends thereof to a rear surface only of one of said lugs adjacent one of the ends of said lug to support said rims in desired spaced aligned relation with each other and relatively long and slender temple supports shaped substantially to follow the upper contour shape in a plane in the rear of said rims and adjacent said rims, each of said long and slender temple supports having an end deflected outwardly in the plane of the long and slender temple support and having one of its side surfaces secured to the rear surface of the lug to which the end of the depending portion of the bridge is secured with said outwardly bent ends of the relatively long and slender temple supports lying adjacent the attached ends of the bridge and said long and slender temple supports having rearwardly extending temple attachment ends on the outer temporal sides of the rims.

2,244,228
ANALYZING MECHANISM
Otto Weitmann, Johnson City, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 8, 1939, Serial No. 277,972
1 Claim. (Cl. 88—14)



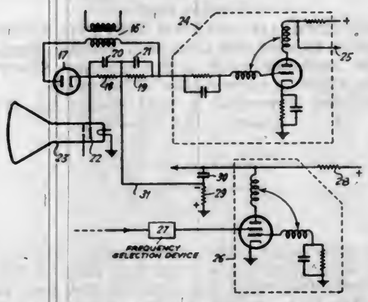
A device of the character described comprising a sensing station and a marking station, means for feeding continuously past the said stations a web of light permeable paper substantially free from foreign areas, said stations spaced a pre-determined distance apart lengthwise of the web so that a pre-determined section thereof passes the sensing and marking stations successively in the order named, means at the sensing station for sensing the foreign areas comprising an opaque member, over which the said web is fed, having a plurality of individual apertures formed therein at substantially acute angles, and spaced transversely to the direction of the feeding of the web, a light source opposite one side of the web and light responsive means opposite the other side of the web and apertures, means to direct the rays of light to the web at a point opposite the said apertures and light responsive means, the formation of the apertures at the said acute angles preventing sufficient amounts of paper lint to collect therein to reduce the amount of light transmission therethrough, marking means at the marking station disposed in close proximity to the web, means controlled by the light responsive means whenever a foreign area is presented to the sensing station to modify the amount of light transmitted to the light responsive means for rendering the marking means operative, and means for delaying the operation of the marking means until the sensed foreign area is fed to the marking station whereupon the location of the said foreign area on the web is marked.

2,244,229
TYPEWRITING MACHINE
Gunnar Bengt Almer, Karlskoga, Sweden, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 25, 1940, Serial No. 337,117
12 Claims. (Cl. 197—135)



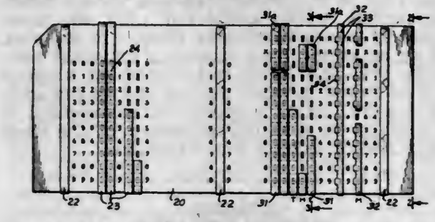
1. In combination with the carriage and platen of a typewriting machine, auxiliary ribbon guiding means on the carriage for supporting a ribbon along the writing line, said guiding means being movably mounted and operable to move the ribbon to an inactive position, a paper bail located above the writing line, a paper guiding element; means to mount said element for movement from a position out of the path of the auxiliary ribbon in its movement to the inactive position, to a position between the paper bail and the ribbon when the latter is in its active position; and means operated by the movement of the ribbon guiding means for operating the paper guiding element.

2,244,230
CIRCUIT ARRANGEMENT FOR TELEVISION RECEIVERS
Robert Andrieü and Heinrich Brändle, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 11, 1939, Serial No. 261,384
In Germany March 14, 1938
3 Claims. (Cl. 178—7.5)



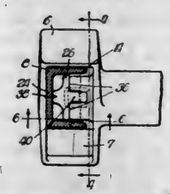
1. In a television receiving system wherein picture and synchronizing signals are received with the synchronizing signals having an amplitude greater than any picture signals, a cathode ray picture reproducing tube having a control electrode, means for applying the received picture and synchronizing signals to the control electrode with the synchronizing signals extending in a negative direction, a horizontal deflection voltage generating means, means for applying the received signals to the horizontal deflection voltage generating means with the synchronizing signals extending in a positive direction to control the frequency of operation of the generating means, a vertical deflection voltage generating means including a resistance and a condenser, means for connecting one end of the resistance to one plate of the condenser, means for connecting the other end of the resistance to a source of positive potential, means including an impedance for connecting the other plate of the condenser to a point of fixed potential, means for intermittently and substantially instantaneously discharging said condenser to develop potential impulses across said impedance and means to apply the developed potential impulses to the horizontal deflection voltage generating means superimposed upon the received signals whereby operation of the horizontal deflection generating means may be discontinued for a portion of the operating cycle of the vertical deflection voltage generating means.

2,244,231
STATISTICAL RECORD
John W. Armbruster, East Rockaway, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 17, 1936, Serial No. 116,255
9 Claims. (Cl. 235—61.12)



1. An element for controlling accounting machines provided with a plurality of digit representing index points which are effective when uncovered, and a sectional cover over said points with lines of weakness between the points adapting the cover for removal in sections to disclose any one or more than one of said index points.

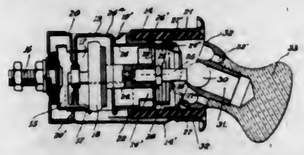
2,244,232
BRAKE BEAM FULCRUM
George M. Armstrong, Nashville, Tenn., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 6, 1940, Serial No. 312,674
8 Claims. (Cl. 188—232)



1. In a truss brake beam having a channel compression member, a reversible fulcrum having a resilient yoke embracing said member and a lug extending within said channel between the flanges thereof and spaced from the web thereof, angularly arranged grooves in said lug opposite said web, and a key in compression between said lug and said web, said key having a rib selectively receivable in either of said grooves to afford

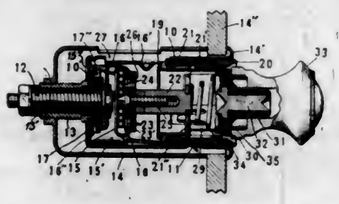
alternate fixed positions of said key with respect to said fulcrum, said key having a tapered forward end to facilitate application thereof and lateral edges in abutment with the flanges of said channel to prevent rotation thereof within said channel, and a shoulder at one end of said rib affording abutment for said key against said lug.

2,244,233
ELECTRIC CIGAR LIGHTER
Philip E. Ashton and Sidney L. Wolfson, Meriden, Conn.; said Wolfson assignor to said Ashton
Application April 7, 1938, Serial No. 200,565
10 Claims. (Cl. 219—32)



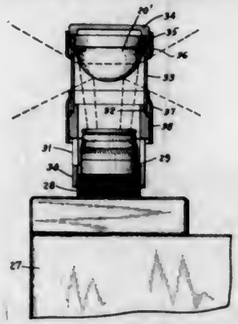
1. A cigar lighter comprising a socket having circuit terminals and a contact, a plug member insertable into and removable from said socket and having an igniter element with a contact for engaging the socket contact when the plug is inserted in the socket, coacting switch members carried by the socket and plug, the plug-carried switch member being slidable in the plug, and an actuating knob having a universal connection with said latter switch member whereby the said switch member may be pushed inwardly in a straight line by a straight line movement of the knob or by a tilting movement of the knob in any one of at least four directions.

2,244,234
ELECTRIC HEATER
Philip E. Ashton and Sidney L. Wolfson, Meriden, Conn.; said Wolfson assignor to said Ashton
Application May 9, 1939, Serial No. 272,554
11 Claims. (Cl. 219—32)



1. The combination of a socket and a plug, the socket having an electric terminal and having a stationary contact in the bottom and a number of thermostatic latches arranged around the axis of the socket nearer to the mouth of the socket than the stationary contact and having a circuit terminal, the plug having a body removably supported in the socket, a heater element fixed to said body for engaging the stationary contact, and a spring pressed member slidably supported in said body and having a projecting conducting rim electrically connected to said heater element and adapted to be pressed inwardly for electrically engaging and interlocking with the latches when the slidable member is moved inwardly beyond its normal position of rest, the spring acting to press the heater element against the stationary contact when the rim is interlocked with the latches.

2,244,235
CYCLORAMIC OPTICAL SYSTEM
Waldemar A. Ayres, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 3, 1938, Serial No. 228,327
1 Claim. (Cl. 88—69)



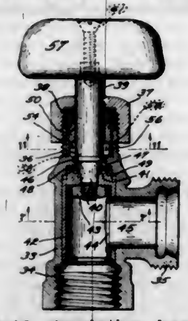
In a device for recording and projecting a cycloramic image, a threaded mounting around the picture opening of said device, a threaded member screwed on said mounting and rotatable thereon for adjustment, a transparent cylinder the bottom of which is fastened to said member, a hemispherical reflector inverted in the upper end of said cylinder, a round cap on the upper end of the cylinder for holding the reflector in the cylinder, said cap having a threaded portion around the periphery, an upper cylindrical mask threaded on the inside to engage said threaded portion and be adjustable thereon up and down to reveal and obstruct rays of light passing to and from said reflector, an outer threaded ring formed as part of said member, a lower cylindrical mask threaded on the inside to engage said threaded ring and be adjustable thereon up and down to reveal and obstruct rays of light passing to and from said reflector, and gauge markings on said cap and cylinder for regulating the extent of adjustment of said masks.

2,244,236
METHOD OF SOLDER TIPPING KEYS
George A. Bardet and George V. Bardet, Berkeley, Calif., assignors to M. J. B. Company, San Francisco, Calif., a corporation of Delaware
Application November 1, 1937, Serial No. 172,220
1 Claim. (Cl. 91—70.2)



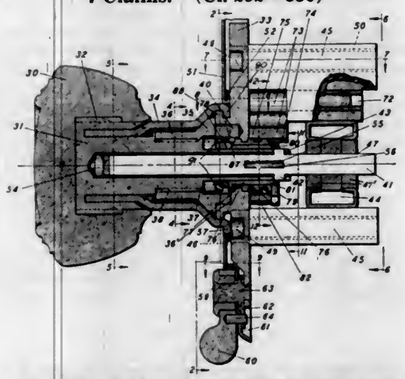
The method of solder tipping keys which comprises first applying a soldering flux to the key end, then inserting the end of the key shank vertically into molten solder of relatively high temperature, and maintaining it there for a period sufficient to heat the key shank to approximately the temperature of the solder, and to cause it to be coated with the solder, then cooling, and finally inserting the coated part of the key shank momentarily in molten solder of a lower temperature just slightly above its melting point, withdrawing the shank and wiping off the lower end of the bead by moving the key while held vertically across the top of the molten solder.

2,244,237
METHOD AND SYSTEM OF HEATING
George J. Belknap, Fairfield, Conn., assignor to The Belknap Manufacturing Company, Bridgeport, Conn., a corporation of Connecticut
Application May 26, 1938, Serial No. 210,140
13 Claims. (Cl. 237—63)



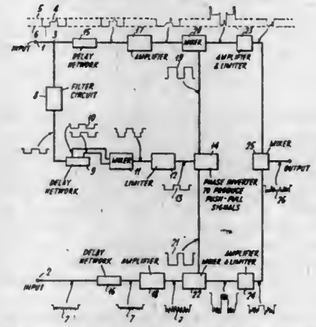
7. In a fluid circulating heating system for building interiors including a plurality of radiators, in combination, a plurality of valves for separately controlling the flow of fluid through respectively different radiators, each of said valves including a gate operative to control the passage for fluid through the valve, a stem in each of said valves connected to operate its gate and arranged to be turnable through a like range of movement in each of said valves between a limit position for closing said passage and a limit position for opening said passage, and devices constructed and arranged to be selectively interchangeable between said valves and operatively associated respectively with the stems thereof in a manner to predetermine and restrict said limit positions to constant but differing locations in each of said valves.

2,244,238
KNOB AND KNOB LOCKING MEANS
Frank Ellison Best, Indianapolis, Ind., assignor to Frank E. Best, Inc., Seattle, Wash., a corporation of Washington
Application August 17, 1939, Serial No. 290,593
7 Claims. (Cl. 292—356)



1. In lock means of the class described an escutcheon retainer plate having grooves in the edge portions thereof, an escutcheon plate having an opening therein to fit over a knob neck, and an escutcheon clamp comprising a ring member secured to the escutcheon plate and extending around the opening, resilient arms extending outwardly from said ring member and lugs on the ends of said arms to releasably engage within said grooves in said escutcheon retainer plate.

2,244,239
TELEVISION SYSTEM
Alan Dower Blumlein, Ealing, London, and Rolf Edmund Spencer, West Ealing, London, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application May 28, 1938, Serial No. 210,576
In Great Britain June 7, 1937
4 Claims. (Cl. 178—7.1)

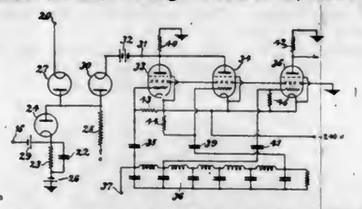


1. In a composite television system wherein separate background and foreground scenes are provided, the foreground scene including a bright white background surface, means for producing a first series of picture signals in accordance with the light values of the foreground scene and associated white background surface, means for simultaneously and synchronously producing a second series of picture signals in accordance with the background scene, means responsive to said first series of picture signals for producing a series of peak white signal impulses corresponding to the white background surface of the foreground scene, means including a delay network for developing from the produced series of peak white signal impulses two series of control signal impulses substantially 180 degrees out of phase with each other and of a length such that they overlap the peak white signal impulses by a predetermined slight amount, means responsive to one of said series of control signal impulses for suppressing that portion of the first series of picture signals corresponding to the bright white background of the foreground scene, means responsive to the other of said series of control signal impulses for suppressing that portion of the second series of picture signals corresponding to the foreground scene, and means to combine the unsuppressed portions of the first and second series of picture signals.

2,244,240
DIRECT CURRENT INSERTING DEVICE
Alan Dower Blumlein, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application December 22, 1938, Serial No. 247,163
In Great Britain December 24, 1937
3 Claims. (Cl. 178—7.3)

1. An amplifying system for a television transmitting system wherein signals including alternating and direct current voltage variations are encountered, comprising a direct coupled ampli-

fier, means for suppressing the signals during predetermined short intervals of regular recurrent frequency, and means including an intermittently operating electronic switch operating at the recurrent frequency for re-applying a portion of the direct current components of the amplified signals to the amplifying system at times other than during the short intervals that the signals are suppressed to control the average potential of the voltage variations, said elec-



tronic switch comprising three electron discharge devices each having a cathode and an anode, means for connecting the cathode of one of the devices to the output of the amplifier, means for connecting the cathode of another of the devices to the input of the amplifier, means for applying negative control impulses to the cathode of the third device at the said recurrent frequency, and means including a single resistance for connecting all of the anodes to a source of positive potential.

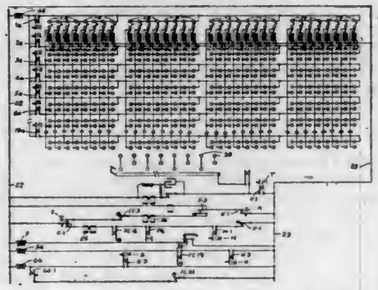
2,244,241

CROSS-ADDING ACCOUNTING MACHINE AND PROGRAMING MEANS THEREFOR

James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application October 1, 1937, Serial No. 166,820

7 Claims. (Cl. 235—61.8)



1. An accounting machine comprising a plurality of accumulators, means to transfer amounts additively or subtractively from accumulator to accumulator, a plurality of selectively operable routing means for selectively routing transferred amounts from selected source accumulators to selected receiving accumulators, one set of said routing means being provided for additive transfers and another set being provided for negative transfers, a plurality of machine cycle control means for bringing said routing means into operation to enable transfer operations to be effected in a selected one of a succession of machine cycles, means for causing successive operation of said last named means in successive machine cycles, fixed wiring in the machine for routing transferred amounts from selected source accumulators through the routing means to selected receiving accumulators, each of said routing means and the fixed wiring cooperating therewith invariably routing an amount from a determined source accumulator to a determined receiving accumulator and all of routing means with the fixed wiring providing for each possible different transfer between the various source accumulators and the various receiving accumulators, a programing plugboard having different sets of sockets connected to the different machine cycle control means and other sets of sockets connected individually to each and all of the routing means, and a common single plug wire adapted upon insertion in a selected single socket of the different sets of sockets connected to the machine cycle control means and upon insertion in one of the sockets connected to a routing means to connect a machine cycle control means and a routing means for conjoint operation upon operation of the machine cycle control means, said single plug wire when selectively inserted by the operator concurrently selecting and rendering effective for subsequent action routing means for a selected source and selected destination accumulator and for a selected sign of transfer and for also selecting which one of the plurality of machine cycle control means operating in an operated selected cycle is to be effective to cause operation of the routing means for a transferring operation.

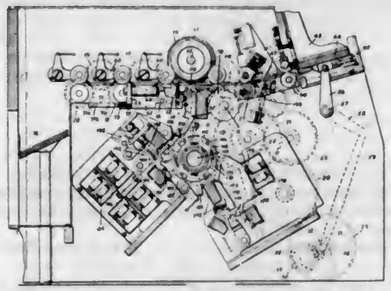
2,244,242

PRINTING MACHINE

Eugen Buhler, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application April 27, 1938, Serial No. 204,525

5 Claims. (Cl. 101—96)



1. In a card controlled printing machine, a plurality of type elements, a single sensing station, means for feeding cards past said sensing station, means for continuously moving said type elements, a printing hammer, means for impelling said printing hammer against said elements to effect printing thereby, storing means controlled by said sensing station for storing data read from said card when passing said station, means controlled by said storing means to render said impelling means operative and means in synchronism with said moving type elements and controlled by said storing means to control the time of operation of said impelling means to effect printing while said type elements are in motion.

2,244,243

MACHINE FOR MAKING SEPARABLE FASTENER ELEMENTS

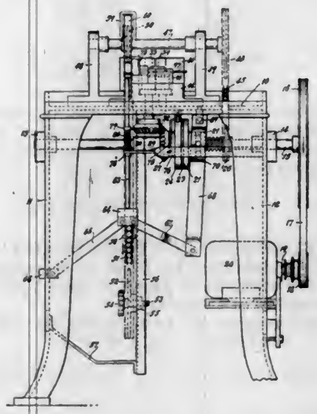
Edward J. Conlin, New Britain, Conn., assignor to The G. E. Prentice Mfg. Co., New Britain, Conn., a corporation of Connecticut

Application December 7, 1939, Serial No. 307,975

20 Claims. (Cl. 140—71)

1. In a machine for making fastener elements,

the combination of means for producing a series of wave-like formations in a wire and for feeding the wire forwardly through forming mechanism and to cutting means mechanism including a stationary die member associated with said feeding means for forming the waved wire fed therefrom around said die member and into a coiled spiral shape and adapted to direct the coiled wire



in a direction transverse to the line of feed of the waved wire, cutting means spaced from said spiral forming mechanism, means for actuating said cutting means at predetermined intervals to cut the coiled wire into predetermined lengths and means for rendering said first mentioned means momentarily inoperative to deform and feed the wire during the cutting operation.

2,244,244

PROCESS FOR PRODUCING 0,0'-DIHYDROXYDIPHENYL

Wilhelm Deseke, Berlin, Germany, assignor to the firm Ruetgerswerke-Aktiengesellschaft, Berlin, Germany

No Drawing. Application April 26, 1939, Serial No. 270,251. In Germany June 22, 1938

3 Claims. (Cl. 260—620)

1. A process for producing 0,0'-dihydroxydiphenyl from diphenylene-oxide, which comprises melting a mixture of diphenylene-oxide with caustic potash and a cyclic compound containing active hydrogen replaceable by potassium, said cyclic compound being selected from the group consisting of indene, fluorene, carbazole, cyclopentadiene, pyrrole and indole.

2,244,245

CATHODE RAY TUBE

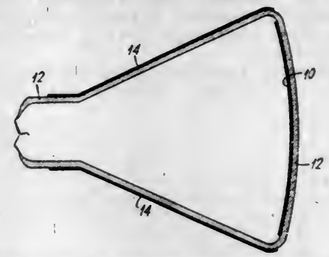
Werner Ehrenberg, Hayes, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application July 14, 1938, Serial No. 219,116

In Great Britain July 30, 1937

3 Claims. (Cl. 250—164)

1. A cathode ray tube comprising a substantially transparent glass envelope, a fluorescent screen on the inside surface of a portion of the envelope, and an opaque coating of material on substantially the entire outside surface of the envelope except for the portion which carries the screen, the index of refraction of the coating of material being substantially identical with the index of refraction of the glass from which the envelope of the tube is made, whereby in-



ternal reflection of light from the screen is substantially entirely eliminated.

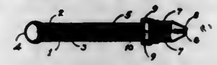
2,244,246

NOTEBOOK

Charles L. Esterly, Cleveland, Ohio, assignor to J. D. Douglass, Rocky River, Ohio

Application August 6, 1938, Serial No. 223,475

7 Claims. (Cl. 281—20)



1. In a device of the class described, including a flap, supporting means hingedly supporting the flap, guide loops formed on the underside of said flap, resilient means comprising a rubber band trained through and slidable in said guide loops and extending along the underside of the flap for holding the flap resiliently toward one side of the support.

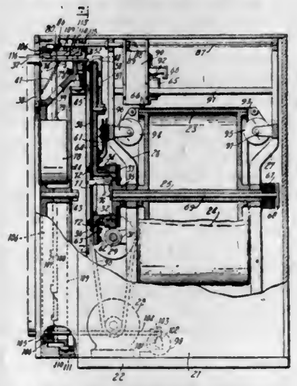
2,244,247

WORKMAN'S TIME RECORDER

Ernest A. Faller, Brooklyn, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

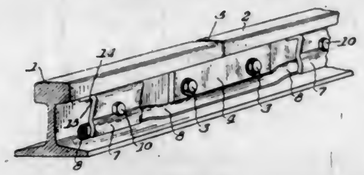
Application January 27, 1940, Serial No. 315,955

9 Claims. (Cl. 234—41.5)



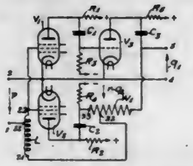
1. In a workman's time recorder, the combination of a clock controlled printing means, a rotatable drum to support a record material, a selector arm rotatable with the drum, a plurality of keys to selectively arrest the selector arm and drum, and means controlled by the selector arm to effect printing when said arm is arrested.

2,244,248
RAIL BOND
Albert H. Genter, Ross Township, Allegheny County, Pa., assignor to Duquesne Mine Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 30, 1940, Serial No. 332,466
3 Claims. (Cl. 173—277)



1. In a rail bond joint, the combination of a rail section having a head and a flange connected by a web, a rail bond conductor, a clamping plate having a longitudinally disposed flange arranged to bear against the web and the adjacent under side of the head of the rail to form a fulcrum and having a longitudinally disposed arcuate portion spaced from the flange and arranged to engage the bond conductor, and means intermediate of the flange and the arcuate portion for swinging the plate on the fulcrum to clamp the bond conductor against the web and the flange surfaces of the rail.

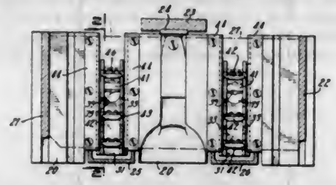
2,244,249
WAVE TRANSLATION SYSTEM
Gustav Guanella, Zurich, Switzerland, assignor to Radio Patents Corporation, a corporation of New York
Application April 26, 1939, Serial No. 270,125
In Switzerland December 31, 1938
17 Claims. (Cl. 179—171)



1. In a wave translation system, a main wave path and an auxiliary wave path, means for impressing wave energy to be translated upon at least the input of said auxiliary wave path, a load circuit connected to the output of said main wave path, means for combining a portion of the energy of said load circuit in inverse phase with the output energy of said auxiliary wave path to produce differential wave energy, a feedback path, means for impressing said differential energy upon the input of said feedback path, and further means for impressing the output energy of said feedback path upon the inputs of both said main and auxiliary wave paths.

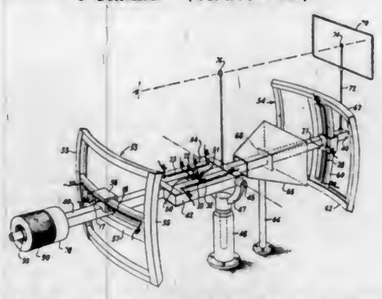
2,244,250
PAPER FEEDING DEVICE
Reynold B. Johnson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 23, 1939, Serial No. 310,750
5 Claims. (Cl. 271—44)

1. In a sheet feeding device, a magazine frame holding a stack of sheets, a sliding member in said frame, means for operating said member, a series of feeding devices assembled on said sliding member to engage said sheets, fulcrum points on said feeding devices engaging said sliding member to



oscillate thereon, and retaining means common to said oscillating points and said sliding member for retaining them both on said magazine frame during operation.

2,244,251
TELEVISION CONTROL DEVICE
Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application April 28, 1938, Serial No. 204,876
9 Claims. (Cl. 178—7.2)

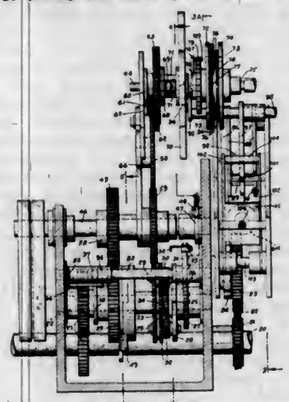


1. A unitary control device for a cathode ray television transmitting tube, comprising means for varying the size of the area scanned on the mosaic of the tube, means for varying the horizontal position of the scanned area on the mosaic, and means for varying the vertical position of the scanned area on the mosaic, and a single manually movable member capable of movement in three mutually perpendicular directions for correlatively and individually controlling the size of the scanned area, the vertical position of the scanned area and the horizontal position of the scanned area by the corresponding direction of movement of said manually movable member.

2,244,252
PAPER SPACING MECHANISM FOR PRINTING MACHINES
Harold Hall Keen, Letchworth, England, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 15, 1938, Serial No. 202,220
In Great Britain April 26, 1937
8 Claims. (Cl. 197—127)

1. In a machine for feeding record sheets, a roller for feeding said sheet, epicyclic gearing comprising three gear members, one of which is connected to said roller, a ratchet wheel connected to the second of said gear members, a line spacing mechanism for operating said ratchet wheel, a long space feeding mechanism attached to the third gear member, and a brake

cooperating with said third gear member for holding it while the line spacing mechanism op-

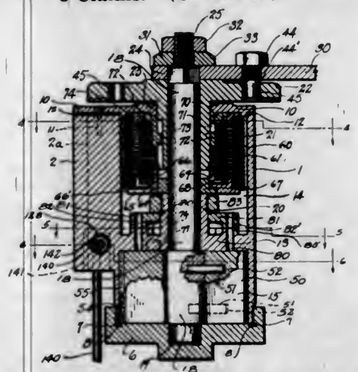


erates the roller by means of the second gear member and the ratchet.

2,244,253
SEPARATION OF SALTS OF AMINO-AMIDINES
William H. Hill, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 9, 1939, Serial No. 303,623
4 Claims. (Cl. 260—564)

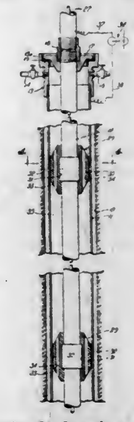
1. The process of separating a monobasic acid salt of one of the group consisting of ammonia and the guanidines and biguanides from a mixture containing essentially the same and a polybasic inorganic oxy acid salt of the guanidines and biguanides which comprises subjecting the mixture to the action of a selective solvent which is a member of the group consisting of liquid ammonia and strong aqueous ammonia containing not less than 50% of ammonia to extract the monobasic acid salt.

2,244,254
DOOR CHECK AND HOLDING DEVICE
Andrew Larson, Tacoma, Wash.
Application August 21, 1939, Serial No. 291,200
8 Claims. (Cl. 16—58)



1. In a door check and closing device, a housing for a hydraulic medium, formed with a piston chamber and a by-pass chamber, a door actuating shaft movably mounted in the housing, a piston fixed on the shaft in the piston chamber, a stator fixed in the piston chamber toward which the piston will move in accordance with the door closing action of the said shaft; a spring acting on the shaft to effect the door closing movement thereof; said housing having a by-pass port connecting the piston chamber and by-pass chamber for ejection of hydraulic medium from the piston chamber under influence of the piston in the door closing movement, a movable member for determining the effective size of the by-pass port to control the closing speed of the door, and a temperature responsive means for actuating the said movable member.

2,244,255
WELL CLEARING SYSTEM
Iris C. Looman, Borger, Tex., assignor to Electrical Treating Company, Dallas, Tex., a corporation of Texas
Original application January 18, 1939, Serial No. 251,606. Divided and this application December 16, 1939, Serial No. 309,594
6 Claims. (Cl. 166—21)

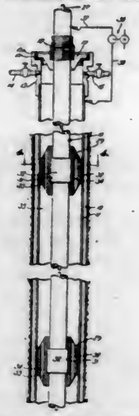


1. The method of clearing congealed paraffine or asphaltic bodies within an oil well from which production is taken through the usual flow tubing lowered deep in the well and directly exposed to the fluid therein, which comprises passing through a continuous length of the exposed flow tubing extending downwardly from near the top of the well to the location of said congealed bodies, electric current of sufficiently high amperage to heat said length of the tubing to a temperature sufficient to melt said congealed bodies in the well.

2,244,256
APPARATUS FOR CLEARING WELLS
Iris C. Looman, Borger, Tex., assignor to Electrical Treating Company, Dallas, Tex., a corporation of Texas
Original application December 16, 1939, Serial No. 309,594. Divided and this application May 24, 1940, Serial No. 337,031
5 Claims. (Cl. 166—17)

1. In combination with a well casing formed of conductive material and a pipe line formed of conductive material passing through the casing and spaced therefrom, said line including a plurality of sections and coupling members connecting the sections together, spacer members car-

ried by the pipe line and contacting interior parts of the casing, each spacer member having an internal groove of annular form receiving a coupling member and each spacer member having its intermediate part of cylindrical shape in cross section to contact the casing with its end portions of substantially conical shape and each spacer member having vertical holes therein for the passage of fluid between the casing and the pipe line, a seat forming part at the upper end of the casing, a member of non-conducting ma-

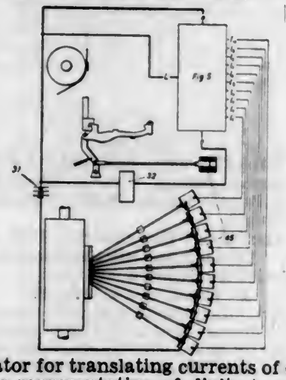


terial engaging the seat forming part, a shoulder forming part on the pipe line resting on the member of non-conducting material and spring members movably connected with a lower part of the pipe line for contacting an interior part of the casing or a part of the well below the casing for electrically connecting the pipe line to the casing, means for connecting the upper part of the pipe line to a source of electrical supply and a return conductor connecting said source to the upper part of the casing.

2,244,257
TRANSLATING MEANS FOR ELECTRICAL CURRENTS

Michael Maul, Berlin-Johannisthal, Germany, assignor to the firm Deutsche Hollerith Maschinen Gesellschaft m. b. H., Berlin-Lichterfelde, Germany

Application June 6, 1939, Serial No. 277,660. In Germany August 10, 1938
1 Claim. (Cl. 177—380)



A translator for translating currents of different magnitudes representative of digits to control a machine comprising a pair of impulse receiving lines for said currents, an impulse receiving and transmitting device comprising means responsive to receive a digit representation and to transmit the representations of the digits by currents of different magnitudes to said lines, a plurality of pairs of relays, one pair of relays for each digit, each relay being connected across said lines to cause some to be energized by the currents transmitted to said lines, the first relay of each pair controlling normally open contacts and the second relay of each pair controlling normally closed contacts, the open and closed contacts controlled by each pair of relays being in circuit connection with an associated digit impulse transmitting line, there being a plurality of digit impulse transmitting lines, a source of power connected at one side to all of said impulse transmitting lines through controlling elements of the machine and connectable at the other side to a transmitting line selected by the closure of the normally open contacts of the first relay of one pair and the closed contacts of the second relay of the same pair, individual means for adjusting the series of relays controlling the normally open contacts to cause the closure of the respective contacts progressively as the magnitude of the current impressed on the impulse receiving lines is changed, and individual means for adjusting the series of relays controlling the normally closed contacts to cause said contacts to be opened progressively as the current impressed on the lines is changed in magnitude, the adjustments for the last named relays being staggered between adjustments for the relays controlling the normally open contacts.

2,244,258
BASIC TITANIUM PHTHALATE AND METHOD OF MAKING THE SAME

Walter K. Nelson and Arthur O. Ploetz, Metuchen, N. J., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey

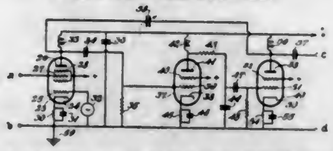
No Drawing. Application December 21, 1938, Serial No. 247,037
3 Claims. (Cl. 260—429)

3. Basic titanium phthalate having the formula $C_8H_4O_4.(TiO(OH))_2$.

2,244,259
ELECTRIC TRANSMISSION NETWORK

Jozef Plebanski, Warsaw, Mokotow, Poland, assignor to Radio Patents Corporation, a corporation of New York

Application November 7, 1938, Serial No. 239,235
In Poland December 31, 1937
7 Claims. (Cl. 178—44)

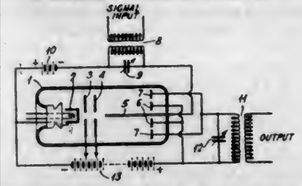


1. In a system for translating signal wave energy comprising a band of component frequencies, a plurality of amplifying valves connected in cascade, inter-coupling valve networks each comprising an ohmic resistance and a reactance of the same kind in series, said resistance and reactance being designed to have equal impedance for the center frequency of the band to be translated, an input circuit coupled to the first valve and an output circuit coupled to the last valve, means for deriving input voltages for successive amplifying stages alternately from the ohmic and reactive potential drop produced by the respective networks, and means for feeding back potential from the output of a valve stage of higher order to the coupling network of a preceding valve stage of even lower order.

2,244,260
ELECTRON DISCHARGE TUBE

Donnell Winship Power, Summit, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Substitute for abandoned application Serial No. 159,625, August 18, 1937. This application June 21, 1938, Serial No. 214,945
5 Claims. (Cl. 250—162)

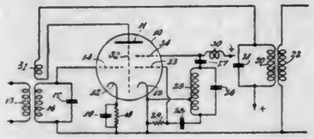


1. An electron discharge tube comprising an envelope of vitreous material, means at one end of the tube adapted to produce a single focused electron beam of substantially circular cross-section, and a control rod mounted at the other end of the tube substantially coincident with the beam axis and adapted to be charged negatively with respect to the beam producing means to cause the beam to be dispersed conically with the cone apex being located substantially on the beam axis.

2,244,261
SUPERREGENERATIVE AMPLIFIER

Karl Rath, New York, N. Y., assignor to Radio Patents Corporation, a corporation of New York

Original application July 18, 1936, Serial No. 91,328. Divided and this application February 10, 1939, Serial No. 255,586.
1 Claim. (Cl. 179—171)



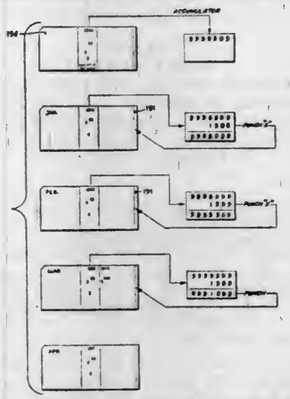
In an amplifying circuit, the combination of a vacuum tube having a cathode, an anode, a control grid located between said anode and cathode adapted to control the electron current between one half only of said cathode and anode, an input circuit connected to said control grid and an output circuit connected to said anode, feedback means between said output and input circuits to normally provide a negative resistance to signals impressed upon said tube, means for periodically varying the impedance of the electron path between the other half of said cathode and anode, and screening means between said electron paths between said first and second halves of said cathode and anode.

2,244,262
RECORD POSTING MACHINE

Russell A. Rowley, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application April 17, 1937, Serial No. 137,411
5 Claims. (Cl. 235—61.8)

1. In a machine of the class described controlled by record cards arranged in groups, means for feeding each card of a group of cards, in succession, the first card containing designations representing an amount and a special designation and each remaining card containing designations representing an amount, means for sensing the cards, an accumulator, entering means therefor arranged to enter amounts directly or in the form of complements, said entering means being normally arranged to enter amounts directly under control of said sensing means, means controlled in response to the sensing of the special designation on the first card for causing said entering means to enter the amount on the first card into said accumulator in the form of a complement, punching



means, operating means therefor normally effective to cause said punching means to punch a special designation in each card after the card has been sensed, means controlled in response to the sensing of the special designation on the first card for rendering said operating means ineffective for the first card, means operative after each entering operation for ascertaining whether the accumulator contains a positive number or zero, and means controlled thereby when the accumulator contains a positive number or zero for rendering said punch operating means ineffective for the card whose amount when entered resulted in a positive number or zero in the accumulator and for all subsequent cards of the group.

2,244,263
PROCEDURE FOR THE MANUFACTURE OF CAOUTCHOUC PRODUCTS

Walther Schrauth, Berlin-Dahlem, and Stefan Morgenstern, Berlin, Germany, assignors, by mesne assignments, to "Patchem A.-G. Zur Beteiligung An Patenten Und Sonstigen Erfindungsrechten Auf Chemische Verfahren," Zurich, Switzerland, a corporation of Switzerland

No Drawing. Application August 10, 1936, Serial No. 95,284. In Germany August 10, 1935
3 Claims. (Cl. 260—761)

1. A plastic composition comprising caoutchouc and, as a plasticizer, resinic alcohol.

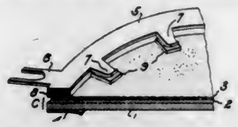
2,244,264
PHOTOELECTRIC CELL

Louis J. Seitz, Jr., Elizabeth, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey

Application September 27, 1937, Serial No. 166,026
10 Claims. (Cl. 136—89)

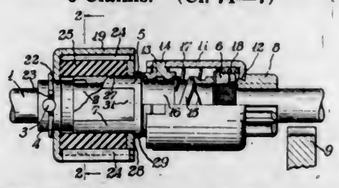
1. In a photoelectric cell assembly, a barrier

layer type cell having a back electrode and an outer electrode, and means for establishing a circuit connection to portions of the outer electrode at the periphery thereof; said means including a



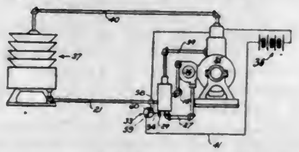
layer of soft metal overlying said portions of the outer electrode, and a terminal having resilient contact fingers engaging said soft metal layer with a pressure sufficient to deform the same.

2,244,265
ENGINE STARTER
Youston Sekella, Elmira, N. Y., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 15, 1938, Serial No. 185,198
6 Claims. (Cl. 74—7)



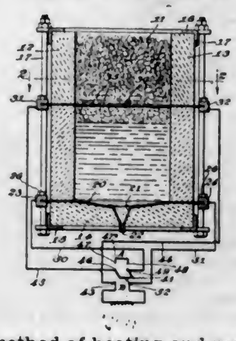
1. In an engine starter, a shaft, a pinion movable thereon into and out of engagement with a member of an engine to be started, and means for actuating the pinion from the shaft including a barrel member fixed to the shaft, an elastically deformable sleeve member in the barrel slidably but non-rotatably connected thereto, a driven shaft in the sleeve slidably but non-rotatably connected to the sleeve, and means including said elastic sleeve member for yieldingly resisting longitudinal movement of the driven shaft.

2,244,266
AUTOMATIC DRAIN DEVICE FOR LIQUID CIRCULATING SYSTEMS
Clyde A. Shope, Oklahoma City, Okla.
Application January 28, 1939, Serial No. 253,281
8 Claims. (Cl. 123—174)



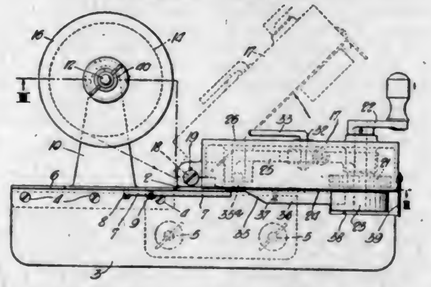
1. An automatic drain for liquid circulating systems comprising: a casing having four chambers therein; valve controlled ports affording liquid flow from the first into the second, and from the third into the fourth of said four chambers; co-acting check valves for said ports; an inlet opening for each of said first and third chambers; an outlet opening for each of said second and fourth chambers; an inwardly opening check valve in the bottom wall of said second chamber; operative connections between the last mentioned check valve and the co-acting valves for forcing said last mentioned check valve to open when the other two valves seat, and vice versa; means for manually closing the check valve in the bottom of said second chamber thus opening the other two valves; said device adapted to be connected in a liquid circulating system so that liquid flows through the first, second, third, and fourth chambers in the order named, the continuous flow of liquid from the third chamber through its valve controlled port into the fourth chamber adapted to maintain the two co-acting valves in an open position.

2,244,267
ELECTRIC FURNACE
Games Slayter, Flavius W. Atkinson, and Ed Fletcher, Newark, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application January 10, 1938, Serial No. 184,118
5 Claims. (Cl. 13—6)



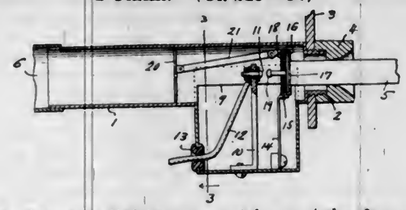
1. In a method of heating and melting glass in an electric furnace in which the mass of molten glass serves as a resistor to an electric current flowing between spaced cooperative electrodes, one of which is perforated with a multiplicity of openings therethrough, the step of feeding cold glass batch consisting of electrically nonconducting materials in disintegrated form through the said openings and thereby wiping the heat from said perforated electrode, maintaining a layer of the said nonconducting materials between said perforated electrode and the molten glass, and applying very high voltages between said electrodes whereby incipient sparking is induced within said layer and the incoming batch quenches said sparks as it passes through said electrodes.

2,244,268
DEVICE FOR BINDING THE EDGES OF SHEET MATERIAL AND THE LIKE
Harold K. Smeltzly, Ingram, Pa., assignor of one-half to Ralph E. Meech, Bellevue, Pa.
Application April 18, 1940, Serial No. 330,355
11 Claims. (Cl. 93—1)



1. A device of the class described for applying a reenforcing adhesive tape to the edges of sheet material comprising a supporting member, means for supporting and guiding the sheet material into and through the device, means arranged to one side of said last mentioned means for holding the roll of reenforcing tape to be applied, a head movably arranged on said supporting member on the same side of said sheet supporting and guiding means and having its inner end pivotally attached to the support for supporting the same, a pair of oppositely disposed pressing rolls carried by said head, means carried by said head for simultaneously rotating the pressing rolls in opposite directions, means carried by said supporting member for directing the reenforcing tape to a point adjacent the edge of said sheet supporting and guiding means, and means arranged on said head forwardly of said pressing rolls for folding the reenforcing tape upon itself around the edge of the sheet material, said pressing rolls upon rotation thereof adapted to cooperate with each other and simultaneously draw the sheet material over the sheet supporting and guiding means together with the reenforcing tape through the folding means and securely press the reenforcing tape into engagement with the edge of the sheet material.

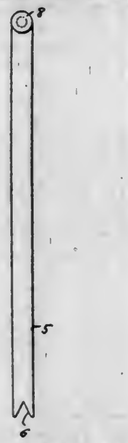
2,244,269
CIGARETTE LIGHTER
Rueben C. Springborn, Iola, Wis.
Application March 26, 1940, Serial No. 326,095
1 Claim. (Cl. 219—32)



A cigarette lighter comprising a tube for connection at one end with a source of air under pressure, the other end portion of said tube for the reception of a cigarette to be lighted, an air control valve mounted in the tube, a casing mounted on the tube and communicating therewith, a post in the casing extending into the tube, a stationary, insulated contact on said post, a resilient arm in the casing extending into the tube, an igniting head on said resilient arm including an electric element and a contact engageable with the first named contact, said igniting head being movable by the cigarette for engaging the contacts, and a link operatively connecting the valve to the igniting head for actuation thereby.

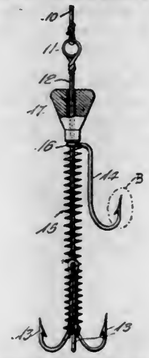
2,244,270
FISHHOOK EXTRACTOR
Ovila J. Verrett, Syracuse, N. Y.
Application February 3, 1940, Serial No. 317,189
1 Claim. (Cl. 43—29)

A fish hook extractor comprising a substantially flat straight elongated member having a V-shaped notch in its bottom end portion to provide a pair of prongs of equal length for straddling a portion of a lodged fish hook, a shank of uniform diameter extending laterally from one side of said elongated member in spaced relation to the top end thereof for engagement by a line attached to said fish hook to hold said fish hook portion in said V-shaped notch in said elongated member while removing said fish hook from lodged position in a fish, and a disk head on said shank having a portion of its periphery substantially in a plane with the top end of the



elongated member to retain said line engaged on said shank.

2,244,271
TRAP HOOK
Leon Voigt, Galveston, Tex.
Application November 29, 1940, Serial No. 367,845
11 Claims. (Cl. 43—34)

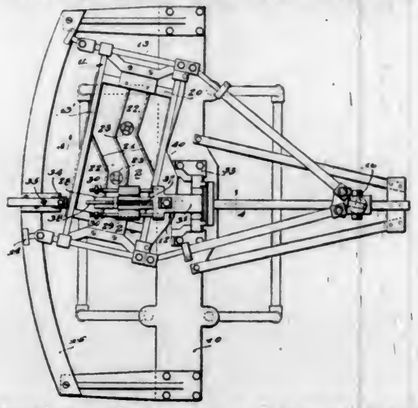


1. A trap hook, comprising a snag hook, means connecting said hook to a fishing line, a bait hook slidable on said connecting means from a point remote from said snag hook to a point adjacent said snag hook, and compressive resilient means interposed between said hooks and normally maintaining said bait hook remote from said snag hook, said resilient means being so constructed as to prevent tangling of said hooks when said resilient means is fully compressed.

2,244,272
STENCILING APPARATUS
Karl B. Vollstorf, Toledo, Ohio, assignor to Libbey Glass Company, a corporation of Ohio
Application March 30, 1940, Serial No. 326,943
2 Claims. (Cl. 101—115)

1. A stenciling apparatus of the character described comprising a stencil screen adapted for horizontal oscillation about a pivot, partition members arranged within said screen to form substantially parallel zigzag channels along the upper surface thereof, a holder mounted beneath

the screen and adapted to support an article in rolling contact therewith, a squeegee, a support for said squeegee movable transversely of said



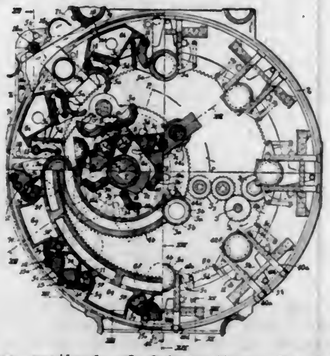
channels, a roller carried by said support, and a cam carried by the screen for engaging said roller whereby said squeegee is guided along the channels during oscillation of the screen.

2,244,273

APPARATUS AND METHOD OF FABRICATING ARTICLES FROM MOLTEN GLASS

Frank L. O. Wadsworth, Pittsburgh, Pa., assignor to Ball Brothers Company, Muncie, Ind., a corporation of Indiana

Application March 4, 1935, Serial No. 9,133
Renewed May 19, 1939
31 Claims. (Cl. 49—9)



1. The method of fabricating glass articles from molten glass, which comprises the steps of delivering a charge of molten glass to a press mold moving continuously in a circular path, forming a pressed parison therefrom in such mold, transferring the pressed parison to a blow mold moving continuously in a circular path which surrounds the path of travel of said press mold, blowing it to shape therein, and then removing the blown article therefrom, wherein during such transfer and removal the parison is introduced on one side of the blow mold and during such removal the blown article is delivered from the other side of the said mold.

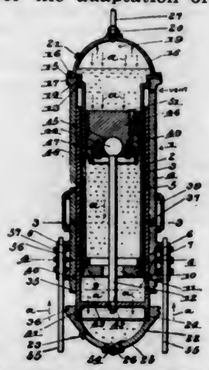
2,244,274

SHOCK ABSORBER

Willie W. Walden, Hugo, Okla.

Application May 8, 1939, Serial No. 272,527
3 Claims. (Cl. 267—1)

1. A shock absorber comprising a head, a pair of annularly-spaced cylinders depending therefrom, the outer cylinder providing a housing, a middle cylinder working in the annular space, said cylinder having a head, a partition across the middle cylinder adjacent to its head, a rod affixed to said partition and extending inwardly of the cylinder assemblage, a piston on the inner end of said rod, riding the adjacent wall of the inner cylinder and having a socket, a ball on the inner end of said rod occupying the socket and providing for the adaptation of the respective



piston to the adjacent cylinder, a piston on the inner end of said adjacent and inner cylinder, riding the wall of the middle cylinder and having a hole for the piston rod, a valve in the piston on said rod providing for the passage of a volume of liquid contained by the piston assemblage, brackets on the housing cylinder having tie rods affixed thereto, a hanger yoke embracing the cylinder assemblage and having means attaching it to the head of the middle cylinder, and guide means on said housing holding the hanger yoke in line with said housing.

2,244,275

HINGE FOR REFRIGERATING CABINETS

Hugh H. Ward, Chester, and Samuel B. Ward, Chester Heights, Pa.

Application May 6, 1939, Serial No. 272,264
1 Claim. (Cl. 16—148)



A hinge assembly comprising a pair of hinge leaves, each hinge leaf being formed with curled-over tongues that are complemental to and interfitted between the curled-over tongues on the other leaf, said curled-over tongues together defining a passageway, a hinge pintle in said passageway, and a sealing strip associated with each hinge leaf, each sealing strip having a curved flange with a free edge that is spaced below the top of the curled-over tongues, the flanges of said sealing strips being in sliding engagement with the curled-over tongues and bridging the interstices therebetween.

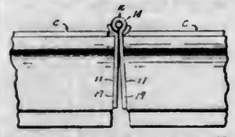
2,244,276

HINGE

Hugh H. Ward, Chester, and Samuel B. Ward, Chester Heights, Pa.

Application May 6, 1939, Serial No. 272,265
4 Claims. (Cl. 16—148)

1. A hinge of the character described comprising a pair of leaves, each leaf being formed with a plurality of spaced curled tongues, the tongues on one leaf being interfitted between the tongues on the other leaf and together defining a passageway, a hinge pintle in said passageway, each of



said leaves carrying extensions that are integrally connected to the leaves and in sealing relation with the curled tongues carried thereby and which extensions are curved outwardly to a greater extent than the tongues whereby they sealingly engage the tongues on the other leaf.

2,244,277

SOLUTION OF MEDICINAL AGENTS AND SOLVENT THEREFOR

Wilhelm Wenner, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application December 19, 1938, Serial No. 246,755. In Germany January 10, 1938
2 Claims. (Cl. 167—74)

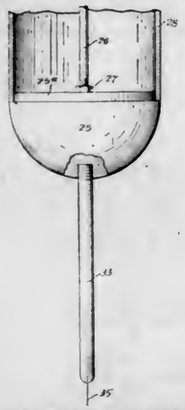
1. As a new product a homogeneous liquid mixture comprising a difficultly soluble horme, 3,4-dimethoxy-benzyl alcohol and water.

2,244,278

ELECTRODE FOR ELECTRIC PRECIPITATORS

Harry J. White, Los Angeles, Calif., assignor to Research Corporation, New York, N. Y., a corporation of New York

Application March 1, 1940, Serial No. 321,784
5 Claims. (Cl. 183—7)



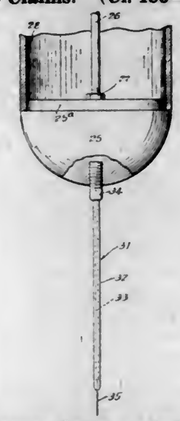
1. An electrode for a separated field type of electrical precipitator comprising a cylindrical non-discharging electrode section terminating in a rounded portion, the entire surface of said section having a radius of curvature not substantially less than about one inch; an intermediate section carried by said non-discharging section comprising a rod-like member extending from said non-discharging section to a distance at least equal to the smallest diameter of said non-discharging section, the entire surface of said intermediate section having a radius of curvature not substantially less than about one-eighth inch; and a very fine wire discharge electrode section mounted on the intermediate section and spaced from the non-discharging section at a distance at least equal to the smallest diameter of the non-discharging section.

2,244,279

ELECTRODE FOR ELECTRIC PRECIPITATORS

Harry J. White, Los Angeles, Calif., assignor to Research Corporation, New York, N. Y., a corporation of New York

Application March 1, 1940, Serial No. 321,785
8 Claims. (Cl. 183—7)



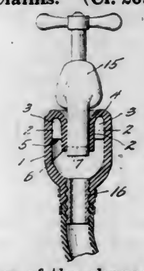
1. An electrode for an electric precipitator comprising a non-discharging electrode section; an intermediate section attached to one end of the non-discharging section and comprising an electrically non-conducting body and an internal electric conductor covered by said non-conducting body to prevent corona discharge from the conductor; and a discharge electrode section mounted on the intermediate section at a distance from the non-discharging section at least equal to the minimum diameter of the non-discharging section in a plane transverse to the direction of gas flow, said discharge electrode section comprising a very fine wire.

2,244,280

CONNECTOR FOR TAPS, PIPES, AND THE LIKE

Elie Aghnides, New York, N. Y.

Application August 10, 1940, Serial No. 352,153
6 Claims. (Cl. 285—90)



1. A connector of the character described comprising an outer tube-like member, an inner tube-like member formed of flexible material such as rubber spaced from the outer member and con-

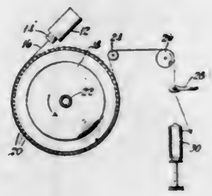
nected thereto at one end to provide a chamber closed at one end and surrounding said inner member to form a fluid receiving space, means projecting in the chamber between the members to prevent longitudinal displacement of said members relative to each other, said inner member having at its free end, a zone free from connection to the outer member forming a single disconnected annular space and providing a belt for tightly gripping around a faucet to prevent leakage between the inner member and the faucet.

2,244,281

CELLULOSIC STRUCTURE, APPARATUS AND METHOD FOR PRODUCING SAME

Jean-Marie Alibert, Tassin - la - Demi - Lune, France, assignor to Société Rhodiaceta, Paris, France, a corporation of France

Application May 4, 1939, Serial No. 271,673
In Great Britain May 6, 1938
9 Claims. (Cl. 18—8)



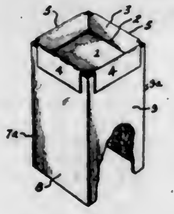
7. An apparatus for the production of artificial filaments of uniform denier having weakened sections at predetermined points throughout their length, which comprises means for extruding the filaments and a rotating drum having at its periphery a plurality of spaced members for contacting filaments passing from said extruding means, said spaced members being diagonally inclined across the periphery of said drum at an angle to the axis of rotation thereof, and means for heating said diagonally inclined spaced members.

2,244,282

ART OF MAKING LIQUID-TIGHT CONTAINERS

Robert Morris Bergstein, Cincinnati, Ohio

Application December 19, 1938, Serial No. 246,575
8 Claims. (Cl. 93—39.1)



1. In a packaging machine, means for inserting a closure cap into an open end of a waterproof multi-walled tubular carton body, and sequentially related means for injecting a sufficient amount of molten thermoplastic material into the corner portions of said closure cap to fill any crevices at said corner portions.

2,244,283

PREPARATION OF FORMALDEHYDE-UREA MOLDING COMPOSITIONS

Maurice H. Bigelow, Toledo, Ohio, assignor to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware

No Drawing. Application June 25, 1938, Serial No. 215,876
7 Claims. (Cl. 260—21)

1. A method of preparing a formaldehyde-urea composition for molding that comprises grinding therewith a substantially neutral salt selected from the group consisting of hydroxy stearates, hydroxy palmitates, stearates and palmitates of zirconium, titanium and cerium.

2,244,284

DIELECTRIC AGENT AND METHOD OF MAKING SAME

Edgar C. Britton and Gerald H. Coleman, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application February 3, 1937, Serial No. 123,899
13 Claims. (Cl. 260—649)

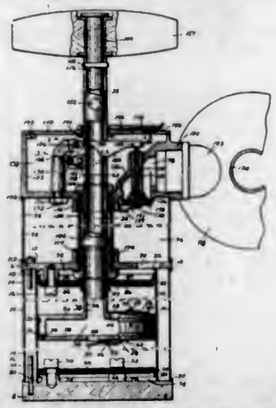
9. The method which comprises reacting a nuclear halogenated benzene hydrocarbon containing at least one labile hydrogen atom in the benzene nucleus with a saturated dihalo-aliphatic hydrocarbon having more than 2 carbon atoms in its molecule and containing the halogen substituents on different carbon atoms, the reaction being carried out in the presence of a condensing agent.

2,244,285

FLUID-OPERATED ALARM

John Gustaf Mauritz Brodén, Malmo, Sweden, assignor to Kockums Mekaniska Verkstads Aktiebolag, Malmo, Sweden, a corporation of Sweden

Application December 19, 1939, Serial No. 310,042
In Sweden December 30, 1938
6 Claims. (Cl. 116—24)



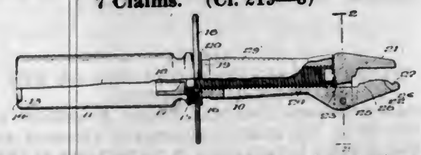
1. In a fluid-operated alarm, an alarm device, valve means for controlling the flow of fluid to said alarm device, means for compressing the fluid, a member having a longitudinal cam surface and being arranged to be reciprocated, said means for compressing the fluid being connected with said member to reciprocate the same, and means arranged to be actuated by cooperation with said cam surface for alternately opening and closing said valve means in response to movements of said member so as to effect periodical flow of fluid to the alarm device for producing signals of character corresponding to the shape of the cam surface.

2,244,286

ELECTRODE HOLDER

Oscar L. Callahan, West Frankfort, Ill.

Application September 2, 1939, Serial No. 293,271
7 Claims. (Cl. 219—8)



2. In a clamping terminal for electrical conductors, a handle, a threaded conductor secured therein, a body of insulating material interposed between said handle and conductor, a nut on said conductor clamping the body of insulation against the handle, a pair of clamping jaws, one of said jaws having an extension threaded on said conductor, and a shield for said conductor supported on said nut and jaw extension in spaced relation to said conductor.

2,244,287

BUTTON

Leonard R. Carley, Watertown, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut

Application September 13, 1939, Serial No. 294,738
3 Claims. (Cl. 40—20)



1. A staple button capable of being oriented in only one position as it passes through a button-attaching machine, said button having an integral hub, flats formed in the hub and the end of the hub having an aligning wall extending parallel with the flats, the bottom of the hub provided with spaced openings to receive the prongs of a staple fastener, insignia on the button, the flats and the aligning wall extending at an angle to horizontal lines drawn through the insignia, the said openings being substantially diametrically positioned with respect to each other and in a line also extending at an angle with respect to the horizontal lines drawn through the insignia and also in a line extending at an angle to a line drawn along the face of the said aligning wall.

2,244,288

FLASHLIGHT HOLDER

Frank J. Colby, Forest City, Iowa

Application June 1, 1940, Serial No. 338,409
1 Claim. (Cl. 240—52.5)

A flashlight holder of the character described comprising a cap, a threaded lining of current conducting material in the cap and adapted to be screwed on one end portion of a flashlight for removably mounting said cap thereon, an integral, substantially T-shaped bit projecting longitudinally from the cap, said bit adapted to be gripped between the teeth, and an integral brace depending from the cap and engageable with the chin for assisting in supporting the flashlight in a forwardly projecting position, said brace having an opening therein for the reception of a support for hanging the flashlight thereon.



2,244,289

PREPARATION OF INFUSIBLE RESINS

David E. Cordier, Toledo, Ohio, assignor to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware

No Drawing. Application January 30, 1939, Serial No. 253,632
6 Claims. (Cl. 260—69)

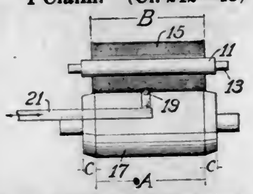
1. A method of producing an intermediate reaction product capable of conversion by heat into an infusible resin that comprises reacting n-butyl biuret with a substance selected from the group consisting of formaldehyde and polymers thereof.

2,244,290

APPARATUS FOR WINDING

Heinrich Dilchert, Freiburg-in-Breisgau, Germany, assignor to Societe "Rhodiaceta," Paris, France, a corporation of France

Application November 23, 1938, Serial No. 241,887
In Germany November 27, 1937
1 Claim. (Cl. 242—43)



In a yarn winding apparatus a positively driven surface drive roll constructed with a cylindrical center surface and beveled ends, a freely rotatable yarn support mounted to press against said roll, and a reciprocating yarn guide positioned to guide yarn on to said support on substantially the line of contact between said support and said roll, and to reciprocate along a line extending slightly beyond each end of the cylindrical section of said drive roll.

2,244,291

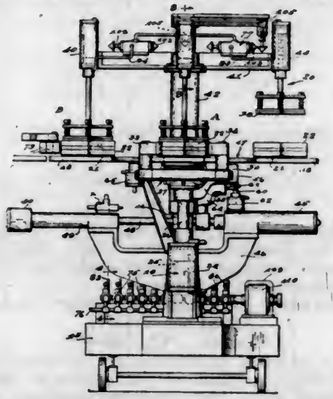
MACHINE FOR ALIGNING GLASS BLOCK SECTIONS AND PRESSING THEM TOGETHER

Harold L. Eastus, Muncie, Ind., assignor to Owens-Illinois Glass Company, a corporation of Ohio

Application November 8, 1939, Serial No. 303,456
4 Claims. (Cl. 49—1)

4. In apparatus of the character described, a rotatable table having arms thereon each adapted to receive a pair of glass block sections in superposed relation, pneumatic means for automatically imparting rotary motion to the table at regular intervals in one direction to bring said arms successively to a series of stations, means for automatically locking said table against rotation between periods of movement

thereof, block aligning mechanism at one of said stations including a vertically operable air motor, clamping means carried by said motor for operatively engaging diagonally opposed corners of the block sections to positively align them,



means for applying top pressure to the block immediately following alignment of the sections thereof and maintaining the pressure throughout one cycle of machine operation, and means for automatically controlling the operation of said mechanisms while the table is at rest.

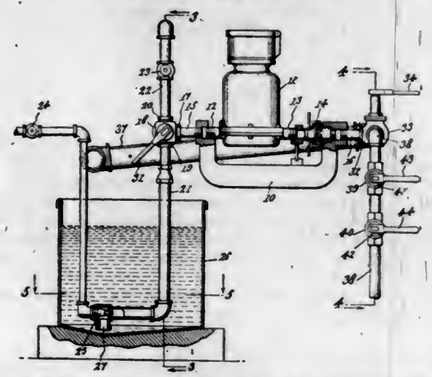
2,244,292

METER CLEANER

Lonnie C. Eldridge, Baton Rouge, La., assignor to Baton Rouge Water Works Company, Baton Rouge, La., a corporation of Louisiana

Application November 18, 1939, Serial No. 305,207

5 Claims. (Cl. 141—1)



3. In a meter cleaner, means for supporting a meter by its inlet and outlet connections, means communicating with the inlet and outlet connections, multi-way valves coupled to said communicating means, water and cleaning solution supply means to the multi-way valve at the inlet side of the meter, said multi-way valve having angle ports or setting up only alternately the communication with the inlet side of the meter of the water and cleaning solution inlet supplies, cleaning solution return and water discharge conduits to the multi-way valve at the outlet side of the meter placed in communication with such outlet side of the meter only alternately by said multi-way valve, and test means in said water discharge conduit.

2,244,293

AZO DYESTUFF FROM PARA-AMINO-PHENYL-ARSONIC ACID AND PROCESS FOR THE MANUFACTURE OF SAME

Ernst Albert Hermann Friedheim, Geneva, Switzerland

No Drawing. Application May 7, 1940, Serial No. 333,852. In Switzerland April 26, 1939

2 Claims. (Cl. 260—151)

1. The [benzene-arsonic acid (4)]-<1-azo-2>-[naphthol-(1)-disulphonic acid (4,8)].

2,244,294

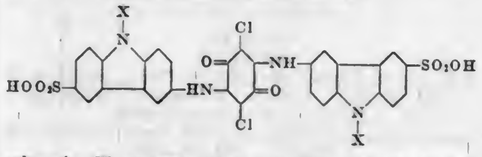
DYESTUFF-SULPHONIC ACIDS OF THE DIOXAZINE SERIES

Heinrich Greune and Max Thiele, Frankfort-on-the-Main, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Original application July 15, 1935, Serial No. 31,526. Divided and this application March 24, 1938, Serial No. 197,959. In Germany July 27, 1934

3 Claims. (Cl. 260—246)

1. The dyestuffs of the dioxazine series identical with those obtained by the process which comprises causing concentrated sulphuric acid to act on a compound of the formula:



wherein X represents a member of the group consisting of methyl and ethyl.

2,244,295

STABILIZING CELLULOSE ESTER

Merle A. Heath, Rosecliff, and Ferdinand Schulze, Waynesboro, Va., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 7, 1940, Serial No. 322,764

4 Claims. (Cl. 260—230)

1. The process of producing highly stable organic acid esters of cellulose which comprises esterifying cellulose in the presence of sulfuric acid as the esterification catalyst, said catalyst being present in an amount sufficient to catalyze the esterification reaction but not in excess of 2%, based on the weight of the cellulose, and hydrolyzing the resulting cellulose ester in the presence of only that amount of sulfuric acid remaining in the mass from the esterification, said amount of acid constituting the whole amount of mineral acid present.

2,244,296

SERVOMOTOR

Hans Heinrich, Stuttgart, Willy Voit, Stuttgart-Bad Cannstatt, and Max Hurst, Stuttgart, Germany, assignors to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany

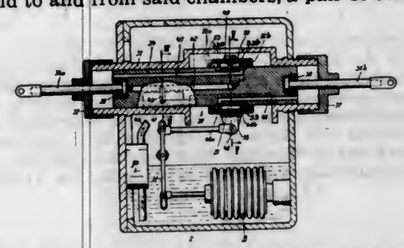
Application July 1, 1938, Serial No. 217,078

In Germany July 22, 1937

11 Claims. (Cl. 121—41)

1. A piston servomotor comprising in combination a piston, a cylinder enclosing said piston to provide a piston guiding surface and to form a pair of work chambers situated at opposite

ends of the said cylinder, whereby the inflow of a working fluid to one of the said work chambers moves the piston in a direction away from that chamber and means for causing the said fluid to flow into one or other of the said work chambers, said means including passages in said piston for the supply and removal of working fluid to and from said chambers, a pair of control



edges which belong to one and the same cylindrical surface as the working surface of the aforesaid piston, and an adjusting member comprising an annular slide valve slidably mounted on said piston and provided with counter-control edges cooperating with said other control edges to control said passages, the piston guiding portions of said cylinder and said slide valve having the same interior diameter.

2,244,297

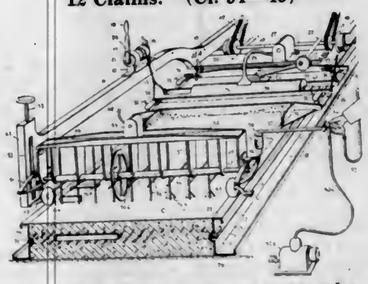
VACUUM SCREED

John N. Heltzel, Warren, Ohio

Application November 9, 1936, Serial No. 110,016

Renewed January 29, 1940

12 Claims. (Cl. 94—45)



1. In a road building machine, spaced screeds, a vacuum casing between the screeds and extending substantially from one screed to the other screed, means for laterally reciprocating the screeds across the road of plastic concrete, means to withdraw air from the casing whereby to create an area of vacuum between, and extending substantially the full longitudinal distance between, the laterally reciprocating screeds, and means for discharging the water from said casing.

2,244,298

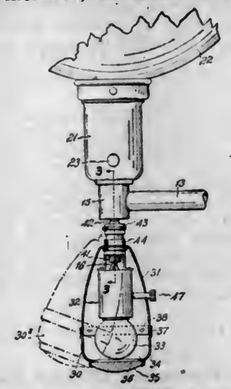
ILLUMINATING DEVICE

Victor B. Icove, Shaker Heights, Ohio, and Maurice K. Kaplan, Chicago, Ill., assignors to Cuyahoga Furniture & Lamp Company, Cleveland, Ohio, a corporation of Ohio

Application April 18, 1940, Serial No. 330,362

1 Claim. (Cl. 240—81)

A combination lamp and spot light comprising in combination, a portable supporting standard, an arm member attached to the supporting standard, a lamp member having a light diffusing shade mounted on the said arm member and projecting upwardly therefrom, and a spot light including a light concentrating lens mounted on the said arm member and depending below the said lamp member, the said arm member including a swivel means capable of retaining the spot light in fixed positions, and also including a hinge member permitting the movement of both the said spot light and the said lamp member simultaneously.



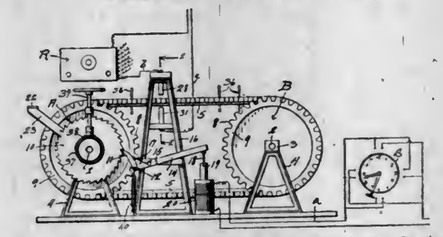
2,244,299

TIME CONTROLLED RADIO TUNING DEVICE

Charles R. Johnston and Samuel O. Johnston, Natrona Heights, Pa.

Application December 15, 1938, Serial No. 245,976

5 Claims. (Cl. 200—37)



1. In combination with a plurality of electric circuits each having spaced contacts interposed therein, a plurality of bars arranged side by side and in close proximity, said bars being of the same width, means for connecting the bars for travel in a continuous path in a direction transversely of the bars, a stretch of the assembly of the bars travelling between the contact members of each of the circuits, means for intermittently moving said bars a distance equal to the width of a bar, and means carried by the bars and extending beyond opposite faces thereof to connect the spaced contacts in the circuits in desired sequence for selectively and consecutively closing the normally open circuits.

2,244,300

BAMBOO CURTAIN

Doin Kwon, Honolulu, Territory of Hawaii

Application October 2, 1939, Serial No. 297,579

1 Claim. (Cl. 156—10)

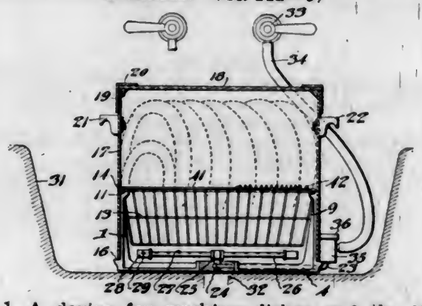
A curtain comprising a sheet like body including a plurality of bamboo staves rounded in cross section, cords laced about each stave for securing the staves in close parallel relation and for independent movement of each stave to allow folding the curtain longitudinally of the

staves, a fabric covering on one side of the body to cover the entire area thereof, said covering being folded about the upper and side edge portions of the body for disposal on the opposite side of the latter and sewed thereto for securing the covering to the body to provide binding means about said edge portions, the lacing cords being



arranged adjacent to the upper and lower ends of the body and in pairs at regular intervals between said ends, and the covering and lacing cord at the upper end of the body providing means for stitching hanger means to the curtain for disposing the latter in depending relation from suitable supporting means.

2,244,301
DEVICE FOR WASHING DISHES AND THE LIKE
John T. P. Le Gore, Flushing, N. Y.
Application November 28, 1938, Serial No. 242,800
8 Claims. (Cl. 141—9)



1. A device for washing dishes and the like comprising, an open supporting frame having radiating arms placeable for use in a drained receptacle such as a kitchen sink, a basket for articles to be washed carried by the supporting frame at an elevation above the receptacle with drainage provided for between the arms, and revolving spray means carried substantially centrally by the supporting frame directing water upwardly into said basket to wash articles therein and then drop back through the open supporting frame into the drained receptacle.

2,244,302
FUMIGANT CONTAINER
George E. Lynn and Fred W. Fletcher, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application September 25, 1939, Serial No. 296,447
6 Claims. (Cl. 221—1)



1. A dispensing device for liquid fumigants and the like comprising in combination a fluid-tight pressure container, a discharge tube sealed through the top of said container and extending downwardly to near the bottom of the container, a fusible closure embodying a low-melting metal alloy seal over the outer opening of said tube, and a thermogenic element adjacent to the closure.

2,244,303
TEMPLATE
Jacob L. Marcum, Louisville, Ky.; Edward L. Mackey, administrator of said Jacob L. Marcum, deceased, assignor of one-third to Inez M. Haselwood, Campbellsville, Ky., one-third to Virginia Lee Barnett, Louisville, Ky., and one-third to Jay Marshall Marcum, Buechel, Ky.
Application December 20, 1939, Serial No. 310,219
2 Claims. (Cl. 33—197)



1. A carpenter's template comprising a plurality of detachably connected sections, said sections connected defining a staff, a tube at the upper end of the staff having a slot in the side thereof, a rod slidably disposed in the staff, securing means for the rod disposed through the slot, a laterally disposed lip at the upper end of the rod, and a plurality of adjustable wing members on the sections for measuring for butts, each of the said adjustable wing members consisting of an elongated laterally disposed member having one end formed to define a split clamp for embracing the staff and tightening means on each of the said clamps.

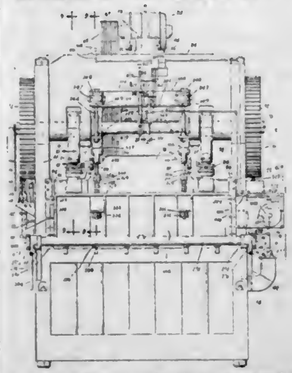
2,244,304
PHOTOGRAPHIC PROCESS
Anthony Marriage, Raymond Frank William Selman, and Guy William Willis Stevens, Wealdstone, Harrow, England, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 8, 1940, Serial No. 317,920
In Great Britain February 4, 1939
2 Claims. (Cl. 95—5)



1. Process of forming a photographic image by reflex printing which comprises passing the light in succession through a light diffusing layer comprising a finely divided, unfogged, silver halide of relatively low sensitivity compared with the light-sensitive layer, said light being of such intensity that said diffusing layer is not exposed and then through a silver halide light sensitive layer and

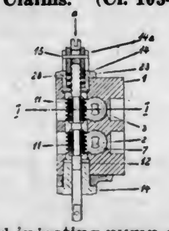
causing the light to be reflected from the matter to be printed onto the last mentioned light-sensitive layer, immersing said layers in a developing bath and then fixing said layers to remove substantially all of the silver halide from the diffusing layer and the unexposed silver halide from the light-sensitive layer.

2,244,305
MACHINE FOR PRODUCING EXPANDED METAL
William M. McNeil, Wheaton, Ill., and Bernard T. Ballard, Warren, Ohio, assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application August 16, 1939, Serial No. 290,531
42 Claims. (Cl. 164—6.5)



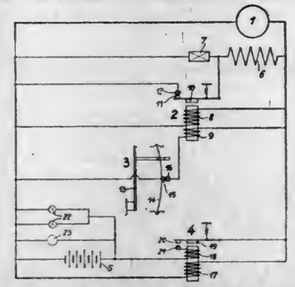
1. In a machine for producing expanded metal, means for actuating single acting shearing and expanding knives to produce expanded metal from an advancing sheet of metal, compressed air actuated means for stopping the advance of said metal sheet after a predetermined width of sheet of expanded metal has been formed so as to cut off said sheet of expanded metal, and electrical means for controlling the operation of said compressed air actuating means.

2,244,306
INJECTION PUMP CONTROL
Samuel Meiswinkel, Gaggenau, Baden, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany, a company of Germany
Application March 14, 1938, Serial No. 195,853
In Germany March 15, 1937
12 Claims. (Cl. 103—41)



1. In a liquid injecting pump comprising a plurality of reciprocatory pistons with variable delivery obtained by rotary adjustment of the pistons, the combination of gear wheels slidable but non-rotatable on the pistons, springs intermediate said gear wheels and pistons for urging the former to a normal predetermined position relatively to the latter abutment plates for said springs, an axially displaceable control bar having an external screw thread, and rack sections screwable along said control bar, said rack sections having external longitudinal grooves for engagement with said abutment plate.

2,244,307
VOLTAGE CONTROL OF GENERATORS IN ELECTRICAL INSTALLATIONS OF VEHICLES
Friedrich Menzel, Stuttgart, Germany, assignor to Robert Bosch Gesellschaft mit beschränkter Haftung, Stuttgart, Germany
Application October 19, 1938, Serial No. 235,891
In Germany October 23, 1937
3 Claims. (Cl. 171—314)



1. In combination, a battery, a generator for charging said battery, an electromagnetic regulator for regulating the voltage of said generator, a heat-sensitive snap switch including a contact operated thereby for controlling the energizing of said regulator so that the regulated voltage of said generator is reduced upon increase in temperature at a predetermined temperature of said heat-sensitive snap switch, the said snap switch operating the said contact upon increase in temperature at a substantially higher temperature than on decrease in temperature and operative to maintain said reduced voltage condition upon decrease in temperature substantially below said predetermined temperature whereby said switch operates only upon seasonal variations in temperature.

2,244,308
UNSATURATED ETHERS
Clarence L. Moyle and Gerald H. Coleman, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application February 5, 1940, Serial No. 317,316
8 Claims. (Cl. 260—613)

1. A compound having the formula

$$R—O—(C_nH_{2n}—O)_m—C_nH_{2n-1}$$

wherein R represents an aromatic radical, m is an integer not greater than 4, and n is an integer from 2 to 6, inclusive.

2,244,309
UNSATURATED ETHERS
Clarence L. Moyle and Gerald H. Coleman, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application June 28, 1940, Serial No. 343,024
7 Claims. (Cl. 260—613)

1. A compound having the formula

$$R\text{-}O\text{-}(C_2H_{22}\text{-}O)_m\text{-}C_nH_{2n-2}\text{-}Y$$

wherein R represents an aromatic radical, Y is

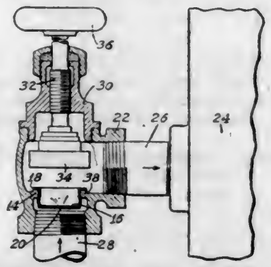
a member of the group consisting of chlorine and bromine, *m* is an integer not greater than 4, *n* is an integer from 3 to 6, inclusive, *z* is an integer from 2 to 6, inclusive, and in which the halogen of the halo-alkenyl radical is attached to an unsaturated carbon atom.

2,244,310
MATTRESS
Florence Murphy, Boston, Mass.
Application January 12, 1938, Serial No. 184,503
1 Claim. (Cl. 5—347)



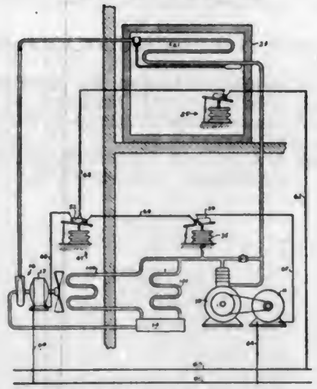
A hollow mattress comprising a stiff-walled, rectangular open-top box comprising the edges of the mattress and having resilient fibrous padding material overlying the top edges of these stiff walls, and being organized over said edges in the form of a roll, and extending downward over the exterior sides of the box; a sheet of fabric extending upward exteriorly along each side wall, and over said padding at the sides and at the top edges, and secured interiorly to the stiff walls adjacent to said edge-padding; and a second sheet of fabric drawn tightly over the open top of the box, and extending outward and downward over the padded top edges and sides, and over the first said sheet; there being means fastening the second sheet removably in its said relation to the box at regions below the said top edges.

2,244,311
FLOW RESTRICTOR
Raymond M. Nee, Brighton, and Charles O. Radden, West Roxbury, Mass.
Application May 8, 1939, Serial No. 272,460
1 Claim. (Cl. 138—44)



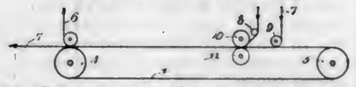
The combination with a valve body having an annular shoulder provided with a smooth faced passageway therethrough with a seating surface normally adapted to be engaged by a valve element movable toward and away therefrom, of a cup-shaped member of thin, deformable material positioned within the fluid passageway and provided with a flange seated on the valve seat, a substantially cylindrical wall portion extending along the fluid passageway beyond the annular shoulder, and a bottom provided with a flow-regulating orifice substantially smaller in cross-sectional area than the area of the passage, the cylindrical wall portion of the cup beyond the annular shoulder and above the bottom being laterally expanded to secure the member in the valve body.

2,244,312
REFRIGERATION SYSTEM
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 31, 1938, Serial No. 199,216
19 Claims. (Cl. 62—4)



1. A refrigeration system including a compressor, a condenser and an evaporator, said condenser being positioned in a location subject to temperature variations, means for causing a circulation of refrigerant from the condenser to the evaporator and back to the condenser, and means responsive to the temperature of the air surrounding said condenser for interrupting operation of the compressor when the temperature drops to a low predetermined value and causing operation of said refrigerant circulating means.

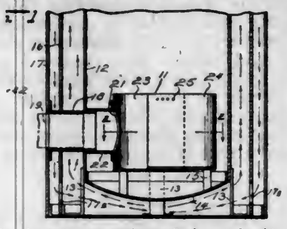
2,244,313
CINEMATOGRAPHIC FILM REGISTRATION
Wadsworth E. Pohl, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Los Angeles, (Hollywood), Calif., a corporation of Maine
Application April 17, 1940, Serial No. 330,090
4 Claims. (Cl. 271—2.3)



1. In the art of registering cinematographic film with register teeth extending into register holes in the film which are larger than the teeth, the method of reducing inaccuracy of register which comprises feeding a plurality of films on the teeth and seating corresponding edges of the register holes of the films against the sides of the register teeth.

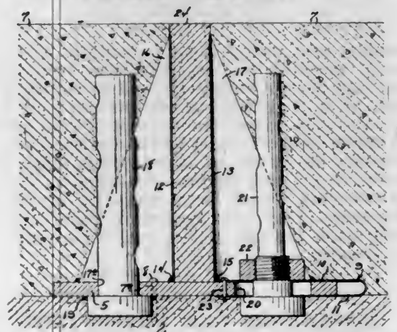
2,244,314
FLUID FUEL BURNING APPARATUS
Milton A. Powers, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application July 15, 1937, Serial No. 153,821
5 Claims. (Cl. 158—4)

1. A combustion chamber for use in liquid fuel burning installations comprising a pair of relatively adjustable sections having substantially U-shaped overlapping bottom and side walls and each section having an outer end wall so that the chamber when assembled is in the form of a trough having a rounded bottom and a substantially rectangular opening at the top through which products of combustion escape, one of said



end walls being apertured to admit charges of fuel mixtures.

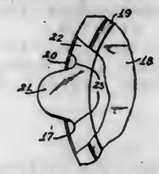
2,244,315
EXPANSION AND CONTRACTION DEVICE
George A. Ridgeway, Jefferson City, Mo.
Application June 26, 1939, Serial No. 281,232
2 Claims. (Cl. 94—18)



1. A device of the character described comprising a horizontal plate having a plurality of slots extending transversely thereof, a vertical member fixed to the upper surface of the plate extending longitudinally intermediate the edges thereof, spaced gussets fixed to the plate and the vertical member arranged at one side of the said member, a yoke slidably mounted on the plate on the side opposite the gussets, the said yoke having a socket adapted to receive an edge of the plate, a vertical member fixed on the yoke in substantial parallelism with the said first-mentioned vertical member and spaced from the latter, spaced gussets fixed to the said socket and the vertical member on the yoke and extending in a direction away from the first-mentioned gussets, a plurality of bolts fixed to the said plate and disposed between the gussets thereon, and a plurality of bolts fixed to and extending through the socket and the slots in the plate, whereby slabs of plastic material may be tied to the plate and yoke respectively for relative movement thereof upon retraction and expansion of the said plastic material.

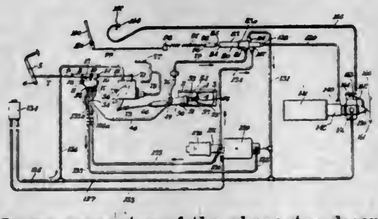
2,244,316
JAR CLOSURE
William M. Robertson, Waterville, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application October 6, 1939, Serial No. 298,165
1 Claim. (Cl. 215—46)

In combination, a container having a circular wall defining a filling and discharging opening and provided with a sealing surface at its outer end, a closure for the container adapted to be telescoped over said wall and including a top and depending attaching flange, said flange having a circumferentially extending slot substantially at its juncture with the top, a sealing ring interposed between the top and said sealing surface, and a finger tab provided on said ring and



projecting outwardly through the slot, the base of said tab being of less width than the slot, said sealing ring also being reduced in transverse width at its point of juncture with the base of the tab in proximity to and inwardly from each end wall of the slot.

2,244,317
HYDRAULIC POWER SYSTEM
Edward A. Rockwell, Forest Hills, N. Y.
Application November 25, 1938, Serial No. 242,255
28 Claims. (Cl. 188—152)



1. In an apparatus of the character described, a work-performing element, means for applying a varying degree of fluid pressure, said means being reactive to the pressures applied thereby, and a valve apparatus constructed to receive the same and deliver therefrom to the work-performing element a fluid pressure which decreases coordinately as the fluid pressure received increases.

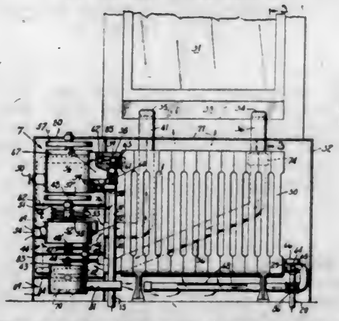
2,244,318
ELECTRON DISCHARGE DEVICE
Albert M. Skellett, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1937, Serial No. 182,646
11 Claims. (Cl. 250—27)



1. An electron discharge device comprising an evacuated container, a cylindrical cathode the convex surface of which is capable of emitting secondary electrons, a cylindrically shaped electrode surrounding and coaxial with said cathode, means for producing a magnetic field in the space between said cathode and electrode substantially parallel to the axis of said cathode, and means to apply a pulsating potential between said cathode and electrode of such value and frequency that some of the electrons emitted from said

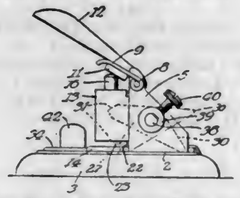
cathode return to said cathode with sufficient energy to cause the emission of additional secondary electrons.

2,244,319
PIPED AIR-CONDITIONING AND HEATING SYSTEM
Charles J. Thatcher, New York, N. Y.
Application August 5, 1939, Serial No. 288,537
15 Claims. (Cl. 257—8)



1. The combination with a room to be air-conditioned, of apparatus comprising piping to convey compressed air to the room from a source external thereto, a motor connected to said piping and adapted to be actuated by expansion therein of said compressed air, a load for said motor including an air compressor and a blower both adapted to be actuated by said motor, means to utilize a current of air from said blower to cool compressed air resulting from the actuation of said compressor, and means to use said cooled compressed air to assist the main stream of compressed air in the actuation of said expansion motor.

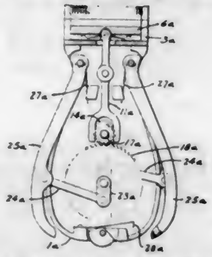
2,244,320
PUNCH
Paul O. Unger, Elmhurst, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application November 18, 1939, Serial No. 305,064
8 Claims. (Cl. 164—91)



1. In a punch, a base member, a plurality of upstanding brackets secured to said base member, a plurality of removable punch heads positioned on said base member, each of said punch heads having a pivoted back gauge secured thereto, and a rod passing through said brackets and said punch heads to maintain said punch heads in lateral alignment.

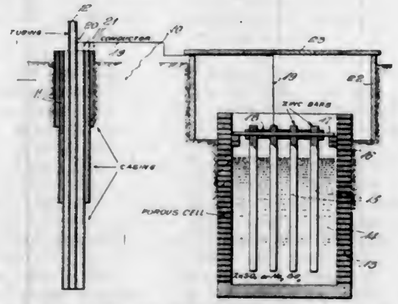
2,244,321
SHAVING CLIPPER
Frank J. Winder, Toledo, Ohio
Application May 4, 1938, Serial No. 206,001
6 Claims. (Cl. 185—37)

1. In a shaving clipper, in combination, a casing, rotary motion multiplying gearing mounted within said casing, a handle movably mounted on said casing and adapted to be manually pressed inwardly, means connecting said handle to said gearing and driven by oscillation of said handle for converting both inward and outward pressure on said handle into torque for driving said gearing in the same direction, whereby said gearing is driven both by inward and by outward movement of said handle during oscillation thereof, spring means which is flexed and placed under elastic stress when said handle is pressed



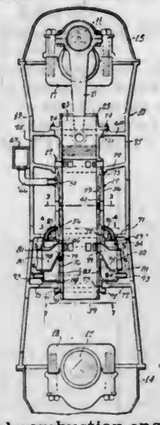
inwardly, said spring means reacting, when the manual pressure on the handle is relieved, to move said handle outwardly and to continue rotation of said gearing in the direction of rotation caused by inward movement of said handle, a flywheel turned by and sustaining the continuous rotary movement of said gearing, and a lever connected to said motion multiplying gearing and receiving therefrom a plurality of rocking movements about its fulcrum in each direction during each inward and outward movement of said handle.

2,244,322
APPARATUS FOR PREVENTING ELECTROLYTIC DESTRUCTION
Lawrence J. Zoller, Tulsa, Okla., and Frank C. Farnham, Rolla, Mo., assignors to Central Commercial Company, a corporation of Illinois
Application June 8, 1938, Serial No. 212,420
1 Claim. (Cl. 204—197)



An apparatus for preventing electrolytic destruction of metallic tubing in situ in wells comprising an electric half-cell, said half-cell comprising a receptacle containing a liquid electrolyte and having porous walls, said receptacle adapted to be buried in the ground and laterally spaced apart from the tubing, and means for suspending in said electrolyte at least one electrode that is electro-negative to the tubing, means enabling the electrode to be electrically connected to said tubing, whereby when the half-cell is buried as aforestated and connection is made, a current of electricity will flow from the half-cell through the ground to said tubing for preventing electrolytic destruction of said tubing.

2,244,323
INTERNAL COMBUSTION ENGINE
Anker K. Antonsen, Cedar Falls, Iowa, and Hans Davids, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application December 30, 1938, Serial No. 248,434
18 Claims. (Cl. 123—173)



9. In an internal combustion engine of the type described, an engine frame, a cylinder structure supported by the frame, said structure including a cylinder liner and a member arranged about a portion of said liner, said member cooperating with the liner to form a water jacket about the liner, providing for a substantially direct water-cooling of the said liner portion, said liner being provided with scavenging air ports, a plurality of projections or fins on the liner adjacent said air ports, means associated with said engine frame and liner, serving to conduct scavenging air from a source of supply thereof, about said fins and to said air ports, said liner also being provided with exhaust discharge ports, and a water-jacketed member arranged about said liner at the zone of said exhaust ports, providing for an indirect water-cooling of said liner at the exhaust port zone thereof.

2,244,324
PROCESS FOR THE PRODUCTION OF AN ALKYL BROMIDE
Harry Bender, Antioch, Calif., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application December 6, 1939, Serial No. 307,798
5 Claims. (Cl. 260—657)

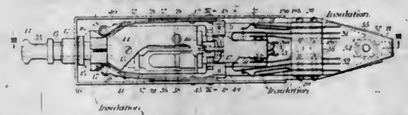
1. A process for production of methyl bromide comprising heating a mixture of bromine, sulfur dioxide and water to boiling to form hydrobromic acid vapor, passing said vapor into contact with substantially undiluted methyl alcohol to react therewith and form methyl bromide and water, and distilling off the methyl bromide.

5. A process for manufacture of an alkyl bromide comprising maintaining a body of water, bromine and sulfur dioxide at a temperature sufficient to distill off a vapor stream, cooling said stream and adding a substantially undiluted saturated aliphatic alcohol to said stream to provide a partial reflux returning to said body while removing the alkyl bromide from the vapor stream, and introducing bromine, water, and sulfur dioxide into said reaction by direct introduction into said body to maintain the required reacting proportions thereof in said body.

2,244,325
COLLOIDAL SOLUTIONS OF INORGANIC OXIDES
Paul G. Bird, Western Springs, Ill.
No Drawing. Application April 15, 1940, Serial No. 329,729
9 Claims. (Cl. 252—313)

1. The process of producing a colloidal solution of an acidic oxide which comprises passing a solution of an alkali salt thereof through a mass of ion-exchange material which has been treated with an acidic reagent.

2,244,326
CIRCUIT CONTROLLER
Herbert L. Bone, Forest Hills, William E. Smith, Pittsburgh, and Robert A. Woods, Swissvale, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 13, 1939, Serial No. 267,684
5 Claims. (Cl. 200—1)

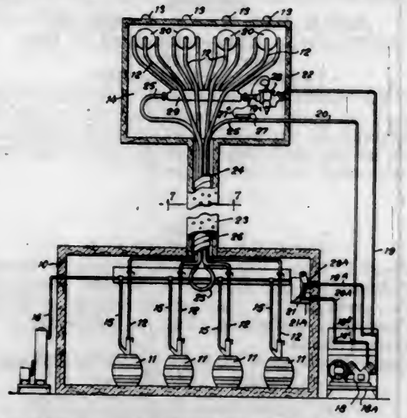


1. In a detachable panel mounted circuit controller, in combination, a bracket formed on one end with an upturned leg adapted to be secured to the rear face of a control panel and having an opening which aligns with an opening in said panel, a base member, means for detachably securing said base member to said bracket, an operating member, a bearing member secured to said base member in axial alignment with said openings in said panel and bracket for mounting said operating member for longitudinal sliding movement between two extreme positions, said operating member projecting through said openings in said panel and bracket to the front face of said panel, contacts secured to said base member and cooperating with said operating member for selective operation in accordance with the position of said operating member, and means secured to said bracket and cooperating with said operating member for biasing said operating member to a position intermediate its two extreme positions.

2,244,327
METHOD AND APPARATUS FOR REGULATING THE TEMPERATURE OF FLUIDS
Alfred H. Brundage, Maplewood, N. J.
Application December 12, 1939, Serial No. 308,768
13 Claims. (Cl. 62—141)

1. A beverage serving system of the type described, comprising in combination, an insulated refrigerator storage box wherein are stored beverage containers, means for refrigerating said storage box and for regulating the temperature thereof independently of the temperature obtaining elsewhere in the system, a plurality of beverage conduits arranged in a group to conduct beverage from the beverage containers in said storage box to a dispensing point, means for refrigerating said conduits and for regulating the temperature thereof independently of the temperature obtaining in said storage box, said conduit refrigerating means including a refrigerant expansion conduit extending from adjacent the dispensing point to said storage box and return and having a loop in said storage box, a plurality of faucets, one on each beverage conduit at the dispensing point, and means for re-

frigerating said faucets and regulating the temperature thereof according to the temperature



maintained in the beverage conduits but independently of the temperature obtaining in said storage box.

2,244,328

PROCESS FOR PREPARING BILIARY ACIDS HAVING A KETONIC FUNCTION

Raymond Charonnat, Ivry sur Seine, and Alain Horeau, Paris, France, assignors to Chimie et Atomistique, Paris, France, a French company

No Drawing. Application January 20, 1939, Serial No. 251,918. In France February 1, 1938

18 Claims. (Cl. 260—397.1)

1. In a method for preparing ketonic derivatives of hydroxylated biliary acids the step which consists in treating the hydroxylated biliary acid with a substance adapted to form with said acid a water soluble compound, adding bromine to the aqueous solution of said compound, and eliminating the hydrobromic acid from the solution according as it is produced during the reaction.

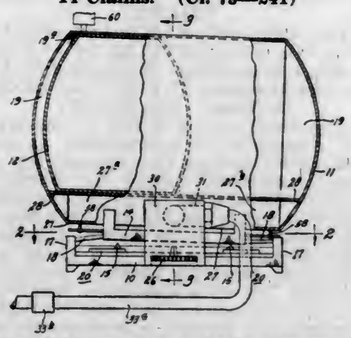
2,244,329

FLUID METER

William S. Clarkson, Ann Arbor, Mich.

Application June 5, 1939, Serial No. 277,334

14 Claims. (Cl. 73—241)



1. In a fluid meter, a rockable, elongated container, a pair of fulcrums for said container and spaced apart longitudinally thereof, a piston in said container, said container having fluid inlet and outlet means on each side of said piston and being rockable alternately on said fulcrums by and in accordance with the difference in weight of the fluid in said container on opposite sides of said piston, and flow control means operable to control said inlet and outlet means in accordance with rocking movement of said container, and means operatively connecting said container and said flow control means.

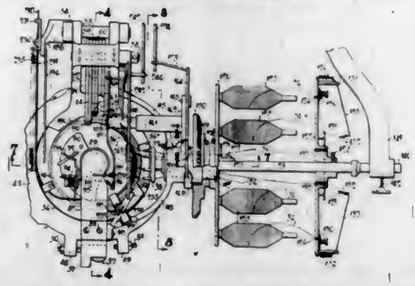
2,244,330

WRAP STRIPE MECHANISM FOR KNITTING MACHINES

Howard Grady Dickens, Thomasville, N. C., assignor to Ragan Knitting Company, Thomasville, N. C., a corporation of North Carolina

Application January 2, 1940, Serial No. 312,001

11 Claims. (Cl. 66—135)



1. A circular knitting machine having means for feeding a body yarn to the needles, a clamp and cutter for the body yarn mounted within the needle circle, means disposed outside the needle circle for feeding a plurality of wrap yarns to selected needles, and means for engaging the wrap yarns and raising them out of the path of the needles during reciprocatory knitting.

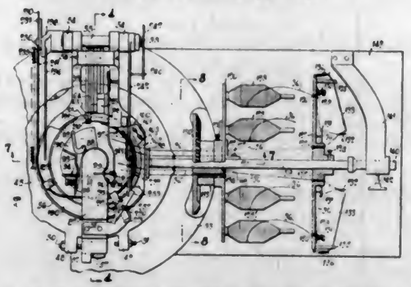
2,244,331

APPARATUS FOR PRODUCING WRAP STRIPE HOSIERY

Howard Grady Dickens, Thomasville, N. C., assignor to Ragan Knitting Company, Thomasville, N. C., a corporation of North Carolina

Application March 26, 1940, Serial No. 326,074

22 Claims. (Cl. 66—135)



1. A latch ring for use in a circular knitting machine having thread wrapping mechanism, said latch ring having means for feeding yarns to the needles, the latch ring being cut away to facilitate the wrapping of selected needles, a stationary arcuate member supported in the latch ring and having a notch cut therein substantially coinciding with said cut-away portion, and cam means disposed at each end of said arcuate member for preventing the needle latches from entering said notch during knitting.

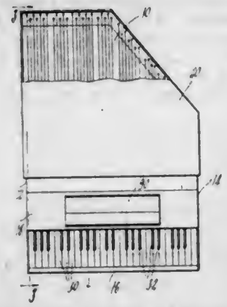
2,244,332

MUSICAL INSTRUMENT

Harold G. Finney, Maplewood, and Henry Ruckner, Jersey City, N. J., assignors to Oscar Schmidt International Incorporated, Jersey City, N. J., a corporation of New Jersey

Application July 21, 1939, Serial No. 285,712

6 Claims. (Cl. 84—285)



1. In combination with a stringed musical instrument of the zither type arranged with its strings uppermost, a frame detachably secured to the instrument adjacent to the base end thereof, a piano action supported by said frame above the level of the instrument and in playing relation to the strings of the instrument whereby the strings are struck from above, said action including a set of piano keys, and a case completely enclosing said instrument and having an aperture through which said keys are exposed.

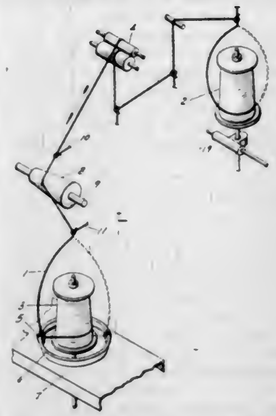
2,244,333

APPARATUS FOR THE PRODUCTION OF BROKEN FILAMENT YARN

William Charles Hanse, Philadelphia, Pa., assignor to American Viscose Corporation, Marcus Hook, Pa., a corporation of Delaware

Application December 1, 1939, Serial No. 307,004

13 Claims. (Cl. 19—1)



1. An apparatus for producing broken filament yarn comprising a revolvable tapered abrasive roller, means for directing a traveling yarn onto the roller and means for withdrawing the yarn from the roller in a lateral direction extending at an angle to the path of travel of the yarn on the roller toward the larger end of the roller.

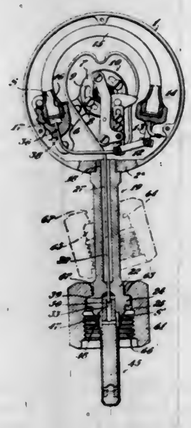
2,244,334

PRESSURE RESPONSIVE INSTRUMENT

Frank H. Hopkins, Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey

Application December 13, 1939, Serial No. 309,007

11 Claims. (Cl. 73—109)



2. An instrument of the class described comprising a case housing a Bourdon tube, a gauge movement mechanism, an index and a graduated dial, and an elongate rigid, unitary, tubular tailpiece constituting a support for the case and having one end fixed to the case, the tailpiece comprising an elongate smooth cylindrical body portion and a head of a diameter greater than that of the body portion, the head having a radial flange, and a union nut for securing the tailpiece to a support, the union nut having an axial bore of a diameter slightly greater than that of the head of the tailpiece but less than the diameter of said peripheral flange, the body portion being of a length such that the entire nut may be disposed thereon out of contact with the head, the bore of the nut flaring in diameter toward the upper end of the nut whereby, when the nut is disposed on the body portion of the tailpiece, it may be freely tilted out of axial alignment with the tailpiece.

2,244,335

GUARD DEVICE FOR PRESSURE RESPONSIVE INSTRUMENTS

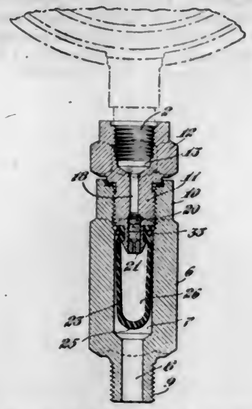
Frank H. Hopkins, Fairfield, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey

Application December 14, 1939, Serial No. 309,156

13 Claims. (Cl. 73—109)

2. The combination of a pressure-responsive instrument, including a pressure-sensitive element and a movable part actuated thereby, with a pressure flask of resiliently yieldable material, and means for connecting the flask to the instrument including a rigid stem member having a peripheral shoulder, the flask having a hollow body portion and a tubular neck, the stem fitting snugly within the neck with its shoulder disposed within the body of the flask, a constricting ring embracing the neck of the flask and pressing the material of the neck radially inward against the stem, said ring being inherently expansible diametrically in response

to internal pressure, and a rigid annulus normally closely embracing the constricting ring



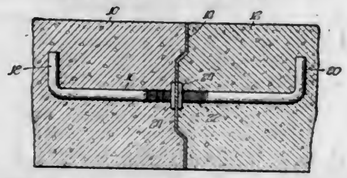
thereby to prevent diametrical expansion of the latter.

2,244,336
COLORING IMPLEMENT
Mabel G. Horn, New York, N. Y.
Application March 15, 1940, Serial No. 324,038
6 Claims. (Cl. 91—62.5)



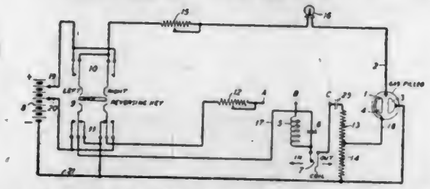
1. An article of manufacture comprising a body portion composed of a plurality of strands having coloring material incorporated therewith, means enclosing said strands to form an envelope therefor with said strands projecting therefrom at one end, and means for progressively uncovering the end of said strands to permit said ends to be cut off as said coloring material is used up so as to make fresh coloring material available.

2,244,337
TIE BAR
John Warren Isett, Hinsdale, Ill.
Application March 6, 1939, Serial No. 259,939
6 Claims. (Cl. 94—4)



1. A reinforcing assemblage for concrete construction comprising, in combination, a vertically extending elongated member adapted to be disposed between adjacent sections of concrete and a tie bar having a threaded shank associated with said member, said bar being provided with means for engaging opposite sides of the elongated member to maintain the latter and the bar in assembled relationship, said engaging means being adapted to lock on the threaded shank of the tie bar.

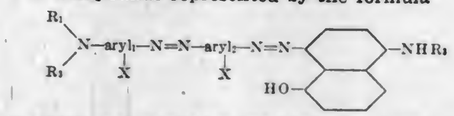
2,244,338
CONTACT CHATTER INDICATOR
Luther E. Krebs, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 30, 1940, Serial No. 354,780
5 Claims. (Cl. 175—183)



1. An apparatus for indicating contact chatter comprising a gas-filled electron discharge device, an anode, a cathode, and a control electrode therefor, an inductor and a capacitor connected to form an oscillatory circuit, means connecting said oscillatory circuit to the cathode and control electrode to cause the electron discharge device to be responsive to oscillatory voltages of predetermined magnitude generated therein, a source of direct current voltage lower than the normal anode-cathode break-down voltage, means connecting said anode in series with the source and the cathode, terminals for connection to the contacts under test, means including the said terminals for connecting said source and said inductor in series relation with the contacts under test whereby oscillatory voltages of predetermined magnitudes are generated across said coil upon a momentary opening of the contacts under test.

2,244,339
DISAZO DYES FOR CELLULOSE ESTERS AND ETHERS
Donovan E. Kvalnes, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 22, 1939, Serial No. 305,656
9 Claims. (Cl. 260—191)

1. Compounds represented by the formula



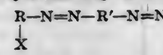
in which $aryl_1$ and $aryl_2$ are each one of a group consisting of benzene and naphthalene nuclei: each X is at least one of a group consisting of hydrogen, alkyl, alkoxy, halogen, acylamino and dialkylamino; R_1 and R_2 are at least one of a group consisting of alkyl, mono- and poly-hydroxyalkyl radicals having two to six carbons and polyethenoxy radicals represented by the formula

$$-(CH_2CH_2O)_{n-1}-CH_2CH_2OH$$

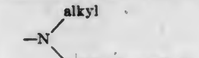
in which $n-1$ has a value of 1 to 4 and which are obtainable by condensing anilines and naphthylamines with two to six moles of ethylene oxide; and R_3 is one of a group consisting of mono- and poly-hydroxyalkyl having two to six carbons.

2,244,340
DISAZO DYES
Swanie S. Rossander, Wilmington, Del., and Donovan E. Kvalnes, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 22, 1939, Serial No. 305,658
6 Claims. (Cl. 260—186)

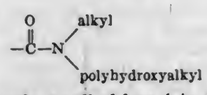
1. A disazo dyestuff represented by the formula



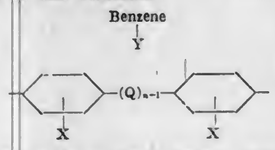
in which each R is one of a group consisting of benzene and naphthalene nuclei; X is from the group consisting of hydrogen, methyl, alkoxy containing 1 to 4 carbons, nitro, halogen, hydroxy, amino, acetylamino, —NH polyhydroxyalkyl,



and

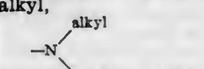


wherein polyhydroxyalkyl has 4 to 6 carbons and one less hydroxy than carbons and the alkyl groups have 1 to 4 carbons; R′ is one of a group consisting of the radicals

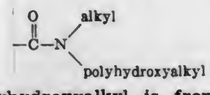


and

wherein Y is from the group consisting of hydrogen, methyl, alkoxy having 1 to 4 carbons, halogen, hydroxy, amino, acetylamino, —NH-polyhydroxyalkyl,



and

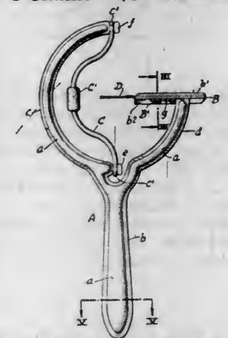


wherein polyhydroxyalkyl is from the monosaccharide aldose series and has 4 to 6 carbons and one less hydroxy than carbons and the alkyl groups have 1 to 4 carbons; n is an integer not greater than 2 and Q is one of the group consisting of —CH=CH—, —NH—, —O—, —S—, —SO_2—, —CO—, —CH_2—, and —NH-polyhydroxyalkyl-NH, said dyestuff having at least one polyhydroxyalkyl amino group, said compound being devoid of a nuclearly substituted tertiary amino group when one R is the nucleus of a naphthol.

2,244,341
METHOD FOR DISPENSING METHYL BROMIDE
Neil A. Maclean, San Francisco, Calif., assignor, by mesne assignments, to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application December 17, 1937, Serial No. 180,469
3 Claims. (Cl. 21—58)

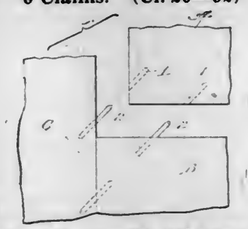
3. A method for securing rapid, complete evacuation of a vessel sealed under the pressure of a filling of methyl bromide, the vessel containing a body of liquid methyl bromide of such relatively small volume that release of gaseous methyl bromide through a small opening in the vessel cools said body and lowers the vaporization appreciably, said method comprising puncturing said vessel and releasing methyl bromide only as a liquid from said vessel through said puncture to eject liquid methyl bromide out from said vessel whereby said methyl bromide vaporizes and cools said ejected methyl bromide away from the body remaining in said vessel.

2,244,342
AERIAL PROJECTILE TOY
Gustave Mahlck, East Orange, N. J.
Application February 28, 1939, Serial No. 258,923
5 Claims. (Cl. 124—17)



1. A toy embodying an open frame member, a table fixedly supported thereon, and an impelling member extending across the frame member and crossing the opening and the plane of said table, said impelling member being attached at its end portions to the frame member.

2,244,343
JOINT AND STRUCTURE EMBODYING THE SAME
George R. Meyercord, Chicago, Ill.; Agnes Adams Meyercord, George R. Meyercord, Jr., and Edward B. Meyercord executors of said George R. Meyercord, deceased
Application November 7, 1938, Serial No. 239,218
6 Claims. (Cl. 20—92)

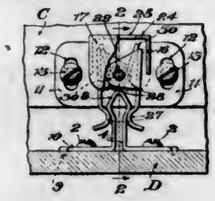


1. In combination, rectangular panels arranged edge to edge in a manner to break joints extending in two directions at right angles to each other, dowel pins connecting each panel to all of the contiguous panels, all of the dowel pins being parallel to each other.

2,244,344
LATCH
Edwin W. North and Roy A. Stone, Rockford, Ill., assignors to National Lock Co., Rockford, Ill., a corporation of Delaware
Application July 22, 1940, Serial No. 346,832
3 Claims. (Cl. 292—18)

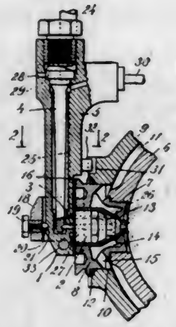
1. A closure fastener including a casing formed

of sheet metal and composed of a base having an integral rear wall extending outwardly at right angles therefrom, ends integral with the respective ends of the rear wall and having lower edges seated upon the upper face of the base, a top integral with the upper side of the rear wall and having its under face seated upon the upper edges of the ends, a rivet-like fastener having its ends engaged with the outer face of



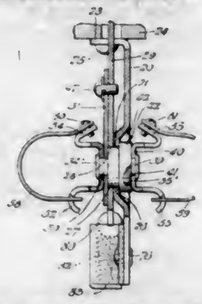
the top and with the inner face of the base so as to hold the ends firmly seated against the base, and top, a pair of opposed jaws each having a pair of ears provided with holes through which the rivet-like fastener extends to pivotally mount the jaws on the fastener, the ears of the jaws being superposed, and a coil spring mounted on the fastener and disposed between the ears of the jaws and having ends engaging the jaws whereby to tension the latter.

2,244,345
FUEL VALVE FOR COMBUSTION ENGINES
Curt Retschy, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application July 9, 1938, Serial No. 218,321
In Switzerland July 13, 1937
3 Claims. (Cl. 251—144)



1. A fuel valve assembly arranged to be mounted in an opening in a chamber wall having a cooling space between the wall and a jacket which comprises a valve mounting-member fixed in the opening, said member having a passageway in communication with the cooling space for the circulation therein of a cooling medium, a fuel valve mounted in the member, said fuel valve having an injector portion the axis of which extends through the opening in the wall, a spring for the fuel valve, a housing for the spring, said spring and housing being arranged crosswise to the axis of the injector portion, and means for removably securing the fuel valve in the mounting-member including a clamp constructed and arranged to form a gripping engagement with the mounting-member.

2,244,346
SWITCH
Ernst Walter Rickmeyer, Elmhurst, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Application March 15, 1939, Serial No. 261,992
2 Claims. (Cl. 200—1)



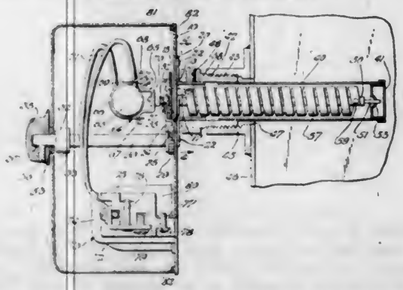
1. A switch comprising, in combination, a base having an opening therein, a stud rotatably mounted in said opening in the base, an operating member secured to the stud and rotatable with respect to the base, an adjusting plate mounted on the stud and rotatable with respect to the operating member, means securing the adjusting plate in fixed angular relation with respect to the operating member, clamp means secured to each end of the stud in angularly preadjusted positions with respect to the adjusting plate, and means comprehending liquid circuit making and breaking elements secured in the clamp means and operable to circuit making and breaking positions by rotary movement of the operating member.

2,244,347
SWITCH
Ernst Walter Rickmeyer, Elmhurst, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Application March 15, 1939, Serial No. 261,993
10 Claims. (Cl. 200—139)



1. A switch comprising, in combination, support means including a bracket and a frame member, said frame member having a slot therein, a shaft having a diameter greater than the width of the slot and having a circumferential groove therein the inner diameter of which is less than the width of the slot by an amount such that free side play of the shaft is provided for, the grooved portion of said shaft being disposed in said slot to provide an anti-friction support bearing for the shaft, a mercury switch unit carried by the shaft for movement therewith, an adjustable arm supported by the bracket, a spirally disposed bi-metallic temperature responsive element having one end connected to the arm and adjustable to various positions therewith and the other end secured to the shaft for effecting rotary movement of the shaft responsive to flexure of the element.

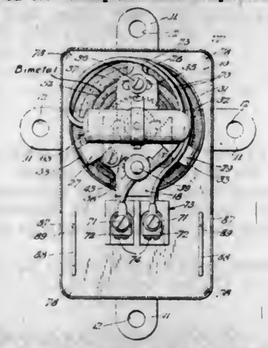
2,244,348
SWITCH
Ernst Walter Rickmeyer, Elmhurst, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Application March 15, 1939, Serial No. 261,994
7 Claims. (Cl. 200—139)



1. A switch comprising, in combination, a base, a tubular member rotatable with respect to the base, a gear and an arm secured to the tubular member, means spacing the gear and the arm from the base, a shaft extending through the tubular member, a pinion gear secured to a manually operable drive shaft and rotatable with respect to the base for driving the first mentioned gear, a friction yoke secured to the base and holding the gears in place, said friction yoke having a slot therein wider than the shaft diameter for rotatably and movably supporting one end of the shaft, a tubular housing closed at one end and having its other end secured to the base, said housing covering one end of the shaft and having means therein providing a bearing rotatably supporting the enclosed end of the shaft, a helically wound bi-metallic temperature responsive element having one end secured to said arm and movable therewith and the other end secured to the shaft, and a mercury switching unit carried by the shaft for movement therewith.

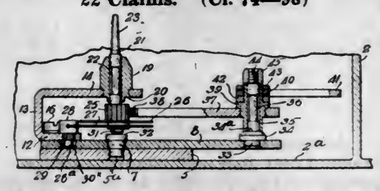
2,244,349
SWITCH
Ernst Walter Rickmeyer, Elmhurst, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Application March 28, 1939, Serial No. 264,610
6 Claims. (Cl. 200—139)

1. A switch comprising, in combination, a base having a vent opening therein, a bracket secured to the base and having an opening therein, a tubular stud rotatably mounted in said opening in the bracket, an adjusting plate secured to the stud and rotatable therewith, a ring adjacent and slidable with respect to the base, a screen supported by the ring and covering said vent opening in the base, a spider rotatably mounted on said stud and having a plurality of feet engaging the screen to hold the screen and ring against the base, means securing the adjusting plate in an adjusted angular position with respect to the spider, a friction yoke secured to the bracket for holding the stud in place, a spirally wound bi-metallic temperature responsive element having one end supported by the spider, a shaft extending through said tubular stud and secured to the other end of the temperature responsive element,



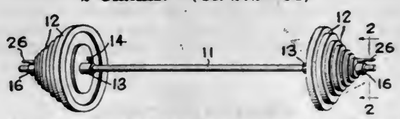
bearing means supporting the shaft for movement responsive to flexure of the temperature responsive element, and switch means actuated by the shaft.

2,244,350
GAUGE
Clifford N. Sugden, Bridgeport, Conn., and Samuel Kahn, New York, N. Y., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey
Application November 19, 1938, Serial No. 241,478
22 Claims. (Cl. 74—98)



1. A gauge movement of the kind having a segment staff, a pinion staff spaced from but parallel to the segment staff, a pinion fixed to the pinion staff, and a gear segment carried by the segment staff, characterized in having a single journal bearing for the pinion staff disposed wholly to one side of the pinion and which constitutes the sole means for keeping the axis of said staff in line during operation of the gauge.

2,244,351
EXERCISING DEVICE
James G. Venables, York, Pa., assignor to Robert C. Hoffman, doing business as York Barbell Company, York, Pa.
Application March 16, 1940, Serial No. 324,258
2 Claims. (Cl. 272—84)



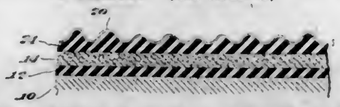
1. A locking device for releasably clamping weights on bar bells comprising a split collar having an inside diameter slightly greater than the outside diameter of the rod or bar on which it is to be used, spaced upright ears bordering the split in said collar and each ear having an open slot in its forward end, a bifurcated handle having a pair of legs straddling said ears, a pivoting rod connecting the ends of the legs, said slots extending upwardly at an angle to the longitudi-

nal center line of the collar from the end of the ears so that the handle may be easily connected to said collar, and cam surfaces formed on said legs for engaging the ears when said handle is turned about its pivot towards the axis of the collar to thereby force the ears towards each other, whereby the diameter of the collar is reduced and the collar is clamped to a bar.

2,244,352
PROTECTED METAL ARTICLE AND METHOD OF MAKING THE SAME

James Howard Young and Paul W. Jenkins, Pittsburgh, Pa., assignors to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application July 6, 1938, Serial No. 217,688
3 Claims. (Cl. 154—2)



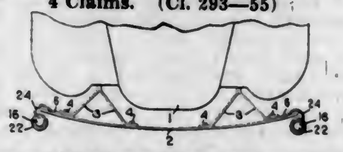
1. The method of making a protected metal article comprising embossing a thin non-corrodible metal foil, thereafter adhesively affixing the pre-embossed metal foil to a layer of fibrous material by means of a plastic adhesive to thereby form an adhesive layer having an undulating surface contacting and conforming to the pre-embossed foil and having a plane surface contacting the fibrous layer and thereafter adhesively affixing the fibrous layer of the assemblage thus formed to a metal sheet.

2. The process as defined in claim 1 in which a second assemblage of said foil-fibrous material is adhesively affixed to the opposite surface of said metal sheet by an asphalt adhesive.

2,244,353
BUMPER FOR AUTOMOBILES

Louis Zaiger, Lynn, Mass.

Application July 29, 1939, Serial No. 287,228
4 Claims. (Cl. 293—55)



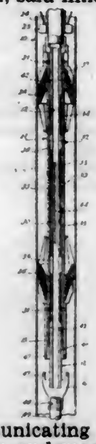
1. The combination with an automobile bumper complete in itself and constituting standard equipment for automobiles, of a bumper extension comprising a vertical supporting member, a resilient stem by which the supporting member is secured to the bumper at the end thereof, and a contact element in the form of a wire coil carried by and encircling the supporting member, said contact element having a progressively decreasing diameter from its central portion toward each end and being capable of having a turning movement about the supporting member.

2,244,354
CEMENTING TOOL

Hugh Francis Boggs, Long Beach, and Olney P. Yowell, La Habra Heights, Calif., assignors to Halliburton Oil Well Cementing Company, a corporation of Delaware

Application February 17, 1940, Serial No. 319,550
9 Claims. (Cl. 166—1)

1. In a well cementing tool, an outer tubing; a pair of spaced packers on said tubing adapted to engage a well casing; said outer tubing having an opening in its wall between said packers; an inner tubular member slidably mounted in said outer tubing and being adapted to be attached at its upper end to a string of tubing for operating the tool in a well, said inner tubular member

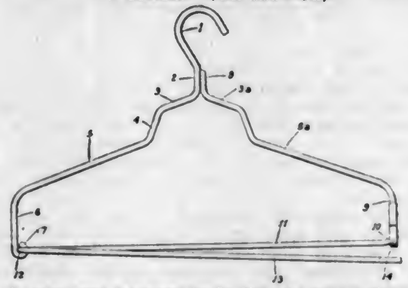


having a port communicating with said opening in said outer tubing; and means for by-passing liquid to opposite sides of said packers, said means being closable by movement of said inner tubular member relative to said outer tubing.

2,244,355
CLOTHES DISPLAY HANGER

Lester C. Britner, Santa Rosa, Calif.

Application April 12, 1940, Serial No. 329,273
1 Claim. (Cl. 223—91)



A garment hanger including a supporting unit having depending end arms, a vertical eye formed on the lower end of one arm, a clamping bar rigid with the other arm and extending therefrom to one side of said eye, a horizontal loop formed as an extension of said bar and projecting through the eye, a unitary cooperating clamping bar formed with and extending from the loop on the other side of the eye and projecting to a termination beyond the other arm, said cooperating bar and loop being resilient and the bar normally diverging relative to the first named bar from said loop, and means on said other arm to releasably engage the cooperating bar adjacent its termination and hold said bar horizontally parallel and close to the first named bar.

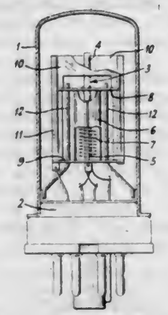
2,244,356
CATHODE SLEEVE

Kenneth G. Bucklin, West Orange, N. J., assignor to Radio Corporation of America, a Delaware corporation

Application March 28, 1940, Serial No. 326,347
5 Claims. (Cl. 250—27.5)

1. A cathode for an electron discharge device

comprising a metal tubular cylinder, an integral embossing in the wall of said cylinder, said em-

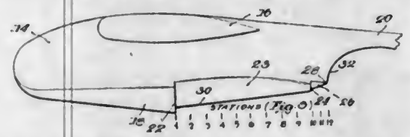


bossing having two steps, one step being farther above the surface of the cylinder than the other step.

2,244,357
AIRCRAFT CONSTRUCTION

Ivan H. Driggs, Ferguson, Mo., assignor to The Glenn L. Martin Company, Baltimore, Md.

Application November 4, 1939, Serial No. 302,794
5 Claims. (Cl. 114—66.5)

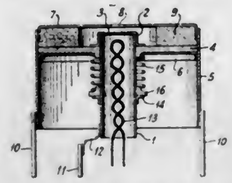


1. In a flying boat, a downwardly convex hull having a step in an intermediate portion thereof and means on the rear part of the portion of the hull behind said step to deflect the spray, the front end of said means being spaced rearwardly from the step by at least about half the length of said portion so as to permit the escape of spray produced by the step.

2,244,358
THERMIONIC CATHODE ASSEMBLY

Earl R. Ewald, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 30, 1939, Serial No. 311,893
7 Claims. (Cl. 250—141)

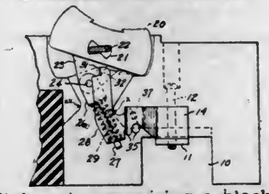


1. A self-contained unitary electrode assembly comprising a tubular thermionic cathode, including a heater associated with said tubular cathode, a pair of axially separated flanges rigidly fixed to said tubular cathode, a single supporting means between said flanges abutting one of said flanges, said means being the sole support for said tubular cathode, and a coiled resilient member between said supporting means and the other of said flanges surrounding a portion of said tubular cathode between said flanges.

2,244,359
SWITCH UNIT

William H. Frank and Joseph A. Messing, Detroit, Mich.

Application September 6, 1938, Serial No. 228,584
5 Claims. (Cl. 200—67)



1. A switch unit comprising a block of insulation having a cavity therein formed with an enlarged shoulder portion at its upper end, a U shaped movable contact within the cavity, a link within the movable contact having one end connected to the bight thereof, and having its other end free and enlarged, a coiled compression spring surrounding the link and having one end bearing against the bight of the movable contact and its other end bearing against the enlarged portion of the link, and a handle pivotally connected to the free end of the link, near the enlarged portion thereof, the handle having a transverse hole, an axle for the handle bearing on the block and passing through said hole, the handle being within the enlarged upper portion of the cavity and being formed to form a complete closure for the cavity at all times and in all positions of the handle, the movable contact having at its free ends laterally extending portions bearing on the upper surfaces of the exposed shoulders of the enlarged portion of the cavity to form trunnions for the movable contact, link and spring, the construction being such that the movable contact, link and spring may be relatively assembled to form a sub unit which can be assembled with the block by being dropped into the cavity thereof, so that the movable contact trunnions rest on the cavity shoulders.

2,244,360
FERROUS METAL ENAMEL

John L. Gallup, Newark, N. J., assignor to Radio Corporation of America, a corporation of Delaware

No Drawing. Application June 9, 1939, Serial No. 278,323
2 Claims. (Cl. 106—36.2)

1. A vitreous heat resistant enamel capable of forming a coating firmly adherent to nickel and consisting of 55% to 65% silica, 4% to 15% calcium oxide, 5% to 10% boric anhydrid, and 20% to 25% alkali composed of sodium oxide and potassium oxide, said enamel having a coefficient of thermal expansion substantially the same as that of nickel from room temperature to about 600° C., a softening point of approximately 600° C., a melting range of about 900° C. to 950° C. and an electrical resistivity of about 1×10^{13} ohm centimeters.

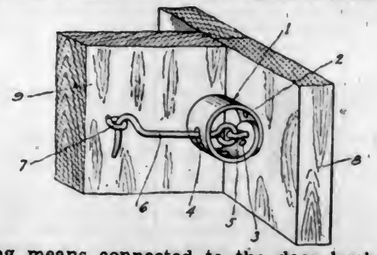
2,244,361
GUARD FOR SCREEN DOOR HOOKS

Edward S. Hall, Seattle, Wash.

Application February 25, 1941, Serial No. 380,483
1 Claim. (Cl. 292—95)

A guard for screen door hooks comprising a flat strip of rubber or other flexible material which has a series of small circular openings near either end along a center line and which has an oblong

opening therein starting from a point near the middle of said strip and continuing toward one end thereof along the center line, the flexibility of said strip permitting it to be formed into a cylindrical guard with one circular opening at each end in alignment and adapted to receive se-



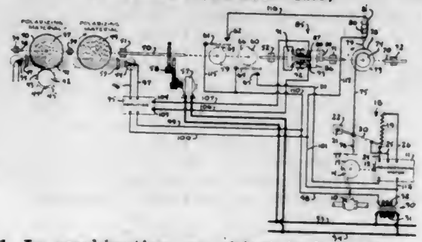
curing means connected to the door hook and with the oblong opening adapted to receive the shank of the door hook, the diameter of the cylindrical guard being adjustable by means of the small circular openings and their relation to each other.

2,244,362

MOTOR CONTROL SYSTEM

Henry E. Hartig, Robbinsdale, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application October 21, 1937, Serial No. 170,235
6 Claims. (Cl. 250—41.5)



1. In combination, an object to be positioned, motor means for positioning the same, a source of light, means for polarizing said light, means for varying the angle of polarization, and means responsive to the angle of polarization of said light for controlling said motor means and operative to cause the same to drive said object to a position proportional to the angle of polarization of the light.

2,244,363

METHOD OF MAKING YARN

Clifford Holdsworth, Sanford, Maine, assignor to Goodall Worsted Company, Sanford, Maine, a corporation of Maine

No Drawing. Application August 2, 1940, Serial No. 350,107
1 Claim. (Cl. 57—156)

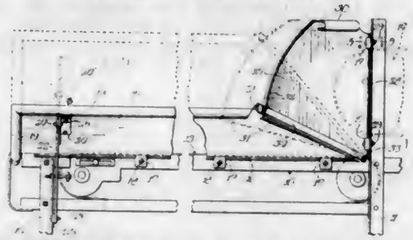
The method of making from the Angora fleece yarn which contains all the various kinds and lengths of fibres existing in the fleece and in substantially the same proportions as found in the fleece, which method consists in subjecting the unsorted fleece containing all its original fibres to a carding operation by which a sliver is produced containing fibres of all the various lengths and types found in the original fleece but approximately 40% smaller than normal, subjecting this sliver to a card-gilling operation in which a sufficiently greater number of ends than normal is fed into the gill-box to compensate for the subnormal size of the sliver, transferring the sliver from the gilling operation directly to a finish gill box having closer settings than normal and in so doing feeding extra ends to the back gill-box to make up for the smaller size of the sliver, subjecting the sliver containing fibres of all the various lengths and types found in the original fleece to the usual plurality of drafting operations in drafting apparatus having closer settings than normal and provided with carrier rolls of sufficient weight to hold the short fibres but of insufficient weight to break the long fibres, thereby converting the sliver into a roving containing fibres of all the various lengths and types found in the original fleece, and then spinning the roving into a single ply yarn.

2,244,364

ADJUSTABLE FEED TABLE FOR ROUGHAGE MILLS AND THE LIKE

John Holland-Letz, Crown Point, Ind., assignor to The Letz Manufacturing Company, a corporation of Indiana

Application November 27, 1939, Serial No. 306,314
8 Claims. (Cl. 198—204)



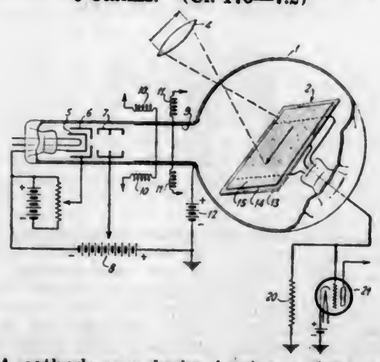
1. A feed table for a roughage mill or the like comprising a frame, table members pivoted to the opposite sides of said frame, and shield members mounted on vertical pivots on said frame and adapted to be cooperatively adjusted with respect to said table members.

2,244,365

ELECTRON DISCHARGE DEVICE

Harley A. Iams, Berkley Heights, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application February 27, 1937, Serial No. 128,053
6 Claims. (Cl. 178—7.2)



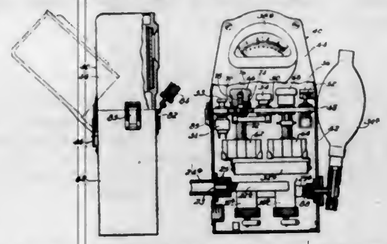
1. A cathode ray device having a light sensitive mosaic, an electrode in capacitive relation with said mosaic, a semi-insulating film having an electrical resistance between 10^8 and 10^{11} ohms/cm.^{3} between said mosaic and said electrode, means for scanning said mosaic with a beam of radiant energy, an anode adjacent said mosaic for collecting electrons emitted from the surface of said mosaic, a connection between said electrode and said anode including impedance, and means in said circuit for maintaining between said electrode and said anode a constant difference of potential at least 20 volts greater than the difference of potential produced by the voltage drop in said impedance.

2,244,366

COMBUSTIBLE GAS INDICATOR

Moses G. Jacobson, Pittsburgh, and Ralph E. Hartline, Swissvale, Pa., assignors to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application November 24, 1937, Serial No. 176,168
13 Claims. (Cl. 23—232)



1. In a method of gas testing which employs electrically heated detector and compensator filaments in a Wheatstone bridge circuit, the steps of balancing the bridge circuit, maintaining a constant voltage drop across the detector filament by measuring the voltage drop in the branch of the Wheatstone bridge which is electrically parallel with the detector filament, simultaneously preventing current flow through the cross-connection between the two parallel branches of the bridge, closing the cross-connection, passing the gas to be tested over both the detector and compensator filaments, and measuring the difference in potential at the ends of the cross-connection due to the combustible content of the gas burning at the detector filament.

6. Gas testing apparatus comprising a case, four resistances connected to form an electric Wheatstone bridge in the case, two of the resistances being connected in series and comprising filaments, a housing surrounding each filament, means for passing a gas to be sampled through both housings, one of said filaments being of greater length and cross-section than the other, and an oxidizable layer of inactive metal plated on the larger filament, and treated prior to the use of the filament to a constant state of oxidation.

9. In a combustible gas indicator for use in poor light conditions, as for example in a mine, a case containing the indicator, means for holding the case on the chest of an operator, a hinged top on the case, an electric meter in the hinged top mounted with the meter face substantially vertical when the top is in its closed position, a stop limiting the opening movement of the top and holding it in a tilted position permitting the ready reading of the meter from a miner's cap lamp worn by the operator.

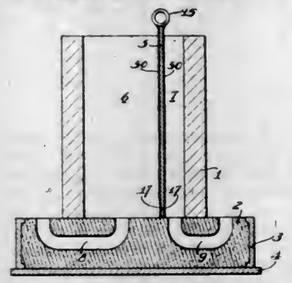
11. A combustible gas indicator including a case, a top removably carried over the case, a switch for operating the indicator at either a high or a low range of sensitivity, and means carried by the top for moving the switch to the less sensitive range by the closing of the top over the case and for leaving it in this position when the top is opened again for operation.

2,244,367

MAKING COMPOSITE METAL ARTICLES

Robert Emerson Kinkead, Cleveland, Ohio

Application June 10, 1939, Serial No. 278,517
7 Claims. (Cl. 22—201)



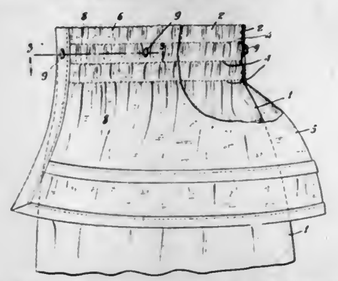
1. That method of making a composite casting from dissimilar metals which comprises pouring said metals into a mold on opposite sides of a partition having refractory surfaces, effecting partial solidification of said metals in said mold, and withdrawing said partition before either metal has solidified completely but after solidification of at least one has progressed to an extent such as to avoid turbulent mixing of the metals and thereby effecting welding of said metals into a composite structure by intermixing of the two metals along a relatively narrow zone lengthwise of the casting.

2,244,368

SLEEVE

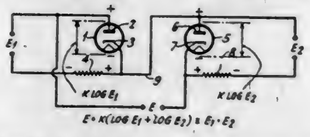
Morris Kleiman, Brooklyn, N. Y., assignor to Paragon Uniform Corporation, New York, N. Y., a corporation of New York

Application November 7, 1939, Serial No. 303,176
3 Claims. (Cl. 2—270)



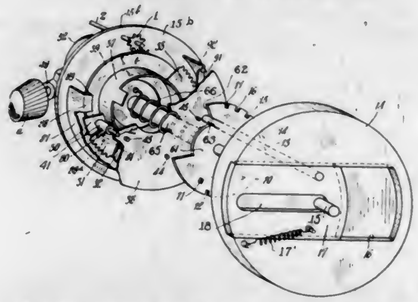
1. A sleeve having a plurality of elastic yarns abutting the inner wall of said sleeve adjacent the free end of said sleeve, said elastic yarns being spaced longitudinally from each other stitches penetrating the material of said sleeve and binding said elastic yarns to the sleeve, the material adjacent the free end of said sleeve being held in normal pleated formation by said elastic yarns, an outer cuff connected to said sleeve at circumferentially spaced points by means of tacks, said outer cuff having elastic means which hold the end-portion thereof in normal pleated formation, said outer cuff being extensible and contractible in unison with the pleated end-portion of the sleeve.

2,244,369
ELECTRICAL MEASURING AND CALCULATING DEVICE
Louis Martin, Haddon Heights, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application October 31, 1938, Serial No. 238,117
1 Claim. (Cl. 171—95)



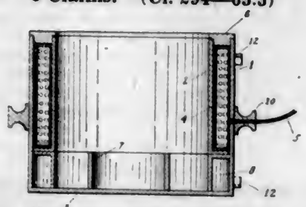
An electrical calculating device comprising an electron discharge device having a cathode and an anode in an envelope, a first resistor, said device and resistor being connected in series and to the terminals of a voltage source, a second electron discharge device having a cathode and an anode in an envelope, a second resistor, said second device and said second resistor being connected in series and to the terminals of a second voltage source, each resistor having a resistance of relatively high ohmic value so that the voltage across each device is an exponential function of the voltage of its connected source, and a logarithmic indicating meter, said indicating meter and the two electron discharge devices being connected in series.

2,244,370
COIN-CONTROLLED SETTING MECHANISM FOR ENERGY DISPENSING DEVICES
Josef Mettler, Allenwinden, Zug, Switzerland, assignor to Landis & Gyr, A.-G., a body corporate of Switzerland
Application October 15, 1937, Serial No. 169,151
In Switzerland February 19, 1937
9 Claims. (Cl. 194—3)



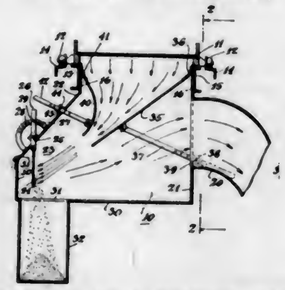
1. A coin-controlled setting mechanism for an energy dispensing device settable to dispense measured quantities of energy including in combination a pinion connected to the quantity measuring and dispensing means, a plurality of rotatable toothed segments mounted in arcuate sequence and movable laterally into and out of alinement with the pinion, means for rotating the segments, coin receiving means, means for selectively effecting lateral movement of the toothed segments into and out of alinement with said pinion, and means rendered operative by an inserted coin to cause one or more of the segments to be held in alinement with the pinion for a variable amount of rotation to rotate it proportionately to the value of the deposited coin.

2,244,371
ELECTROMAGNETIC CONTAINER
Frank J. Moravecky, Beaver Falls, Pa.
Application November 1, 1940, Serial No. 363,919
6 Claims. (Cl. 294—65.5)



1. A container for charging material into metal melting furnaces and the like, the container comprising a side wall, a bottom, and an electromagnet surrounding the side wall adapted when energized to maintain a magnetic charge in the container when inverted, and to release said charge when deenergized.

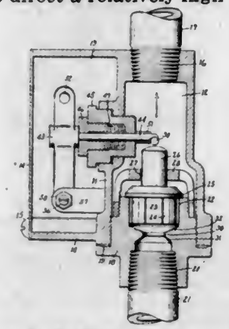
2,244,372
WIND BOX FOR SINTERING MACHINE
Ralph E. H. Pomeroy, Rosita, Mexico, assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application August 15, 1939, Serial No. 290,278
9 Claims. (Cl. 183—105)



1. A wind box for a sintering machine, said wind box having a top opening to receive exhaust gases from said machine, an impact plate mounted at one side of said wind box, means to direct gases from said top opening at high velocity onto said impact plate, and an exhaust flue communicating with the other side of said wind box whereby the gases are caused to make a substantially complete reversal in direction at said impact plate before passage to said exhaust flue.

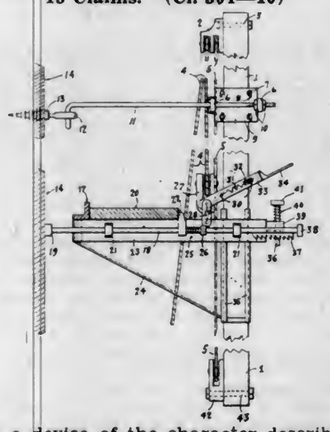
2,244,373
FLUID FLOW RESPONSIVE SWITCHING DEVICE
James H. Powers, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application January 14, 1939, Serial No. 250,976
10 Claims. (Cl. 200—81)

1. In a flow responsive device for connection in a liquid flow line, a housing defining a flow chamber and having inlet and outlet ports designed for connection respectively with conduits of a liquid flow line, an electric switch isolated from the liquid flow passages of said housing, a valve seat having its discharge end opening into said chamber and its inlet end connected with said inlet port by a passage including an orifice of substantially less cross-sectional area than the inlet end of said valve seat, a flow actuable plunger having a body portion seated in and slidably guided by said valve seat, said orifice being in alignment with said valve seat and in spaced opposition to the inlet side of said plunger so as to be operative under predetermined liquid flow conditions to direct a relatively high velocity dis-



charge of liquid against the inlet side of the plunger in a manner to cause movement of the plunger in the direction of said chamber, switch actuating mechanism operable responsively to movement of said plunger for effecting operation of said switch, and adjustable means to oppose flow actuated movement of the plunger in the direction of said chamber.

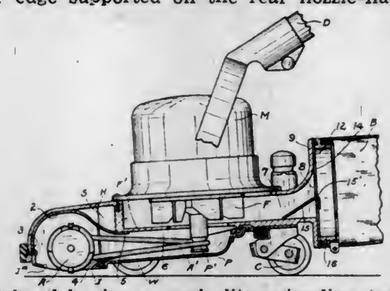
2,244,374
SCAFFOLD HOIST
Henry J. Riblet, Erie, Pa.
Application November 9, 1938, Serial No. 239,658
15 Claims. (Cl. 304—10)



1. In a device of the character described, the combination with an upright, of a slidable member freely movable longitudinally of said upright, of means whereby said slidable member may be raised as well as lowered from a station on the ground, and an anchorage member carried by the slidable member and engageable with suitable fittings on the building after the slidable member has been brought to the proper height by means of said lowering and raising device.

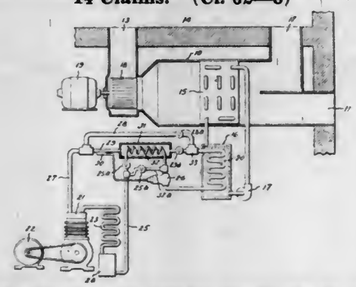
2,244,375
VACUUM CLEANER
Walter C. Schotz, Seattle, Wash.
Application August 7, 1936, Serial No. 94,786
Renewed January 17, 1940
4 Claims. (Cl. 15—8)

1. In a vacuum cleaner having a front housing and a shoulder in the front lower edge thereof, front and rear flanges spaced to form a nozzle and a dust passage leading from the interior of the housing, the combination therewith of a semi-cylindrical, open-end hood having a front edge supported on said shoulder and its rear edge supported on the rear nozzle-flange,



said hood having spaced slits extending transversely thereof, the portion intermediate said slits forming an integral deflecting flange projecting into the entrance to said passage, and the free edge of said deflecting flange being in frictional contact with the upper wall of the passage.

2,244,376
REFRIGERATING SYSTEM
Warren A. Spofford, Glen Ridge, N. J., assignor to General Electric Company, a corporation of New York
Application December 30, 1938, Serial No. 248,490
14 Claims. (Cl. 62—8)

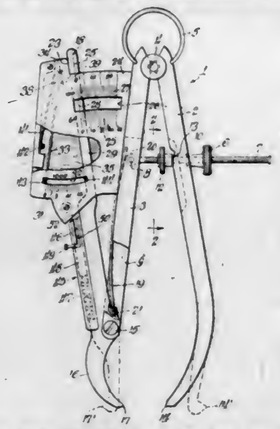


1. A refrigerating system including an evaporator having an inlet and an outlet, means including a liquid line connected to said inlet and a suction line connected to said outlet for supplying refrigerant to and for withdrawing refrigerant from said evaporator, said suction line having a portion comprising two branches arranged in parallel for receiving the vaporized refrigerant discharged through said outlet, means including a valve in said liquid line having a thermostatic element responsive to the temperature of the refrigerant in one of said branches of said suction line for controlling the admission of refrigerant to said evaporator, and separating means for causing any liquid refrigerant discharged from said evaporator to flow into said one branch only.

2,244,377
MEASURING INSTRUMENT
Peter Storm, Chicago, Ill.
Application January 15, 1941, Serial No. 374,525
3 Claims. (Cl. 33—148)

1. In a measuring instrument of the character

described, the combination of a pair of legs pivoted at a common point, one leg being provided with a relatively fixed measuring point, the other leg carrying a scale plate with a plurality of scales of different fractional subdivisions and a feeler arm pivotally and resiliently mounted at



the lower end of said other leg and provided with a measuring point at one end, the other end of said feeler arm comprising an indicator means cooperating with one set of scales of two different fractional subdivisions and adapted to actuate a second indicator cooperating with a scale of another fractional subdivision.

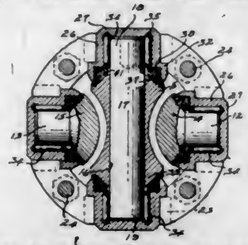
2,244,378
FISH LURE
Edwin B. Turner, Wellington, Ohio
Application January 29, 1940, Serial No. 316,258
7 Claims. (Cl. 43—45)



1. In combination, a fishing line, lure connecting means comprising a body member attached to the fishing line, a swivel member attached to the body member and adapted to turn incident to force of rotation imparted thereto by movement of a lure secured to said swivel member, and an instrumentality movable relative to the body member so formed that as the line is pulled through the water said instrumentality frictionally engages the body member so as to counteract and prevent the turning of the connecting member under the engagement of the swivel member.

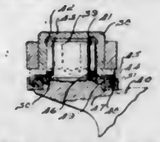
2,244,379
UNIVERSAL JOINT
Archibald A. Warner, Royal Oak, Mich., assignor to Universal Products Co. Inc.
Application March 23, 1931, Serial No. 524,445
6 Claims. (Cl. 64—17)

1. In a universal joint, a trunnion projecting radially with respect to the axis of the joint and having a shoulder spaced from the end thereof, a bearing cup around the trunnion and having an end thrust bearing engagement with the trunnion to center the joint, cylindrical rollers between the trunnion and the inner surface of the cup and extending parallel to the axis of the trunnion, means adjacent the shoulder of said trunnion defining an annular channel spaced from and opening toward the cup, an annular ring



having a press fit within the cup at the open end thereof, said ring having a portion extending axially into the channel and a portion extending radially inwardly into engagement with the rollers, and a packing between the shoulder and a portion of the ring.

2,244,380
UNIVERSAL JOINT
Archibald A. Warner, Royal Oak, Mich., assignor to Universal Products Co., Inc.
Application March 23, 1931, Serial No. 524,446
7 Claims. (Cl. 64—17)

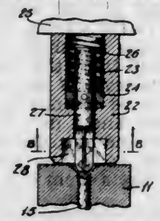


1. In a universal joint, the combination of a plurality of relatively movable members including a member having a pair of substantially aligned openings therein and a second member having a pair of trunnions extending outwardly into said openings, bearing cups disposed in said openings around said trunnions and closing said openings outwardly of the trunnions therein, a sleeve of independent cylindrical rollers between each of said cups and trunnions, a channel containing an annular packing surrounding the base of each trunnion, said channel opening toward the adjacent bearing cup, said cups having end portions projecting inwardly from the openings in which said cups are disposed substantially beyond said rollers and extending into the channels and engaging said packings, and retaining means providing abutments to retain the same in said openings and maintain the inwardly projecting end portions of the cups against the packings in said channels and with the rollers free to move longitudinally in the cups.

2,244,381
MEANS OF PRODUCING SOCKETED ARTICLES
Richard Lester Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut
Original application September 1, 1938, Serial No. 227,892. Divided and this application November 29, 1939, Serial No. 306,593
9 Claims. (Cl. 10—7)

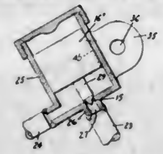
1. Apparatus for making a socketed head blank, comprising mechanism for upsetting the portion of the blank to be socketed, a socketing

mechanism of greater height than the depth of the socket and projected into the upset portion; and means for shaping the head and socket in its finished form, comprising in part a member within the socket to limit inward flow of the



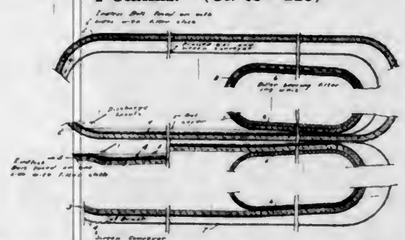
metal and a punch therearound, movable relative to said member, which applies endwise pressure to the upset portion of the blank outside of the socket area and while the said member is stationary within the socket.

2,244,382
DIFFERENTIAL PRESSURE VALVE
Leonard W. Atchison, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 30, 1940, Serial No. 316,327
7 Claims. (Cl. 62—8)



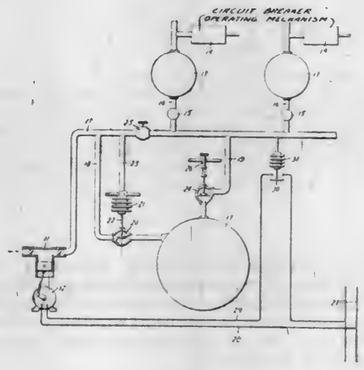
5. In refrigerating apparatus comprising a first refrigerant evaporator and a second refrigerant evaporator, differential pressure valve means between said evaporators for controlling the flow of refrigerant from said first to said second evaporator, said means including a pivotally supported valve casing and a weighted valve within said casing.

2,244,383
PROCESS FOR PREPARING SILICEOUS BASE EXCHANGE SUBSTANCES
Richard Ernest Benson, Buffalo, N. Y.
Application September 11, 1939, Serial No. 294,320
4 Claims. (Cl. 23—113)



1. The method of producing siliceous base-exchange substances consisting in continuously forming a thin sheet of hydrated alumino-silicate around a screen-like conveyor which is supported by a continuous filtering web, continuously pressing the gel at a predetermined time after the gel has formed, further dehydrating the mineral to a satisfactory moisture content by drying while it is still on the screen like conveyor, and dislodging it from the screen conveyor.

2,244,384
FLUID PRESSURE SUPPLY SYSTEM
Peter Bissinger, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application November 20, 1939, Serial No. 305,407
In Germany November 1, 1938
3 Claims. (Cl. 60—57)

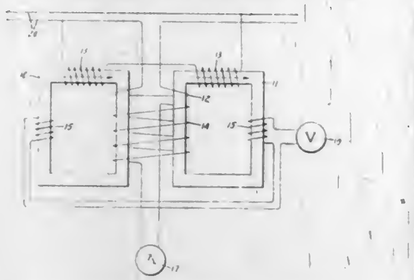


2. A gas pressure supply system for electric circuit breakers of the type adapted to be operated intermittently and requiring a minimum gas pressure in operation, the combination comprising a supply conduit, a plurality of pressure tanks each for supplying gas under pressure to an electric circuit breaker and each connected to said conduit independently of each other, each of said pressure tanks having a capacity sufficient to supply the gas under pressure required for at least one operation of the circuit breaker associated therewith, a source of gas under pressure connected to said conduit and pressure tanks, and a main storage reservoir communicating with said conduit to supply gas to said conduit whenever the pressure in said storage reservoir is higher than the pressure in said conduit, means connecting said storage reservoir to said source of gas, and means including pressure responsive means preventing the flow of gas to said storage reservoir when the pressure in said supply conduit is less than said minimum pressure.

2,244,385
METHOD FOR THE PRODUCTION OF STEEL
Herman A. Brassert, Chicago, Ill., assignor to H. A. Brassert & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application March 15, 1940, Serial No. 324,082. In Great Britain March 17, 1939
3 Claims. (Cl. 75—52)

3. The method of producing steel by the Bessemer process which comprises blowing pig iron in the converter until the carbon content has been reduced to approximately one percent, withdrawing the slag from the converter, depositing on the surface of the hot metal in the converter a layer of iron oxide mixed with fine lime causing a vigorous reaction and thereby removing a substantial portion of the nitrogen in the metal, maintaining the temperature of the bath in the converter by means of a flame directed into the converter upon the bath, removing the second slag and adding a third lime slag, and carrying on a dead-melt refining process in the converter.

2,244,386
TRANSFORMER
Guglielmo Camilli, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application May 20, 1939, Serial No. 274,763
6 Claims. (Cl. 171—119)

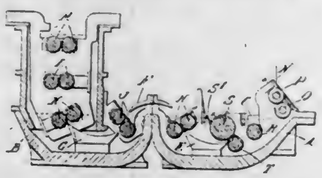


1. A transformer including a magnetic core formed in two parallel parts, primary and secondary current windings on said core parts, and primary and secondary potential windings on said core parts and wound differentially with respect to said current windings.

2,244,387
DIELECTRIC COMPOSITION
Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application June 28, 1939, Serial No. 281,635
In France March 31, 1939
3 Claims. (Cl. 252—63)

1. A liquid dielectric composition of matter consisting essentially of a major proportion of unmodified aliphatic phosphate and a minor proportion of unmodified aromatic phosphate having a resistivity within the limits of about 1×10^6 to 1×10^8 ohms per centimeter cube.

2,244,388
APPARATUS FOR THE COATING OF STEEL OR OTHER METALLIC SHEETS WITH TIN OR OTHER METALS
Donald Humphrey Davies, Abercarn, England, assignor to Richard Thomas & Company Limited, London, England, a British company
Application April 22, 1938, Serial No. 203,590
In Great Britain April 27, 1937
2 Claims. (Cl. 91—12.7)

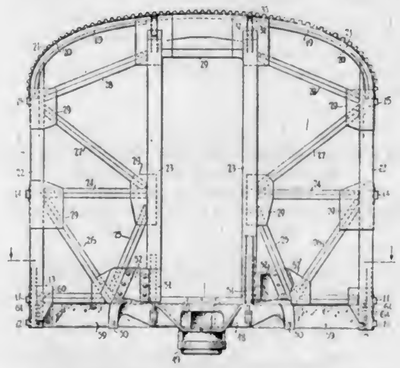


1. In an apparatus for coating metallic sheets with metal, the combination of a bath for containing molten metal, a pair of feed rolls disposed above the level of the molten metal in the bath, a single guide roll disposed in the bath of molten material for passage thereover from between said feed rolls of a sheet to be coated with a minimum of friction, a fixed guide member disposed adjacent the bottom of said bath, a pair of intermediate guide rolls disposed between said fixed guide member and said single guide roll for directing the sheet to be coated from said single guide roll to said fixed guide member, the upper of said pair of intermediate guide rolls comprising spaced disks to minimize surface contact with the sheet to be coated and of larger diameter than the lowermost roll to project above the level of the molten metal in the bath so as to be cleaned by a surface film of oil in said bath, and a pair of discharge rolls disposed adjacent the opposite end of said fixed guide member for conveying and directing the coated metallic sheets from the bath.

2,244,389
PROCESS OF PREPARING ESTERS OF METHACRYLIC ACID
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application December 1, 1939, Serial No. 307,146
9 Claims. (Cl. 260—486)

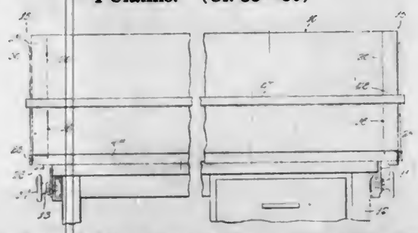
1. The method of making esters of alpha-methacrylic acid which comprises reacting the corresponding ester of alpha-hydroxy isobutyric acid with phosphorus pentoxide while admixed with a phosphate ester and separating the ester of alpha-methacrylic acid from the reaction mass.

2,244,390
ARTICULATED RAIL CAR CONSTRUCTION
Albert G. Dean, Narberth, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 18, 1935, Serial No. 41,032
13 Claims. (Cl. 105—421)



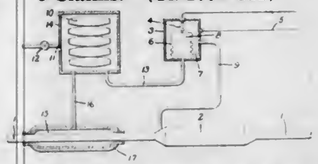
1. In a light weight rail car construction, an end sill casting subject to longitudinal and eccentric vertical loads and having a central inward extension, a unitary member of lighter construction than said end sill forming the end portion of a center sill and a transversely extending needle beam, the outer end of said unitary member tying into the inward extension of said end sill casting, the ends of said needle beam being laterally widened and secured through said widened portions to side wall trusses of still lighter construction, said side wall trusses absorbing end sill bending and longitudinal stress reactions, said center sill absorbing longitudinal stress reactions only.

2,244,391
DRAFTING BOARD
Harold L. De Lisle, Sheboygan, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin
Original application January 21, 1938, Serial No. 186,185. Divided and this application March 18, 1940, Serial No. 324,541
4 Claims. (Cl. 33—80)



1. In a drafting board, the combination with a board body of wood or the like, of a four sided metal channel member carried by the edge of the body and having an upper face flush with the body working surface, one of said channel sides providing a locking lip depending from the free edge of the channel member at said upper face, said locking lip being embedded in the body, and means securing the channel member and body longitudinally adjustably together at the adjacent lower faces thereof.

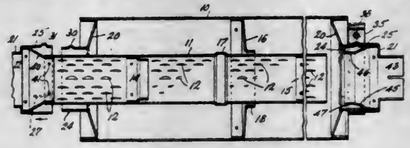
2,244,392
DEVICE FOR SUPERVISING THE PRESSURE IN FLUID FILLED CABLES
Luigi Emanueli, Milan, Italy, assignor to Società Italiana Pirelli, a corporation of Italy
Application April 26, 1939, Serial No. 270,258
In Italy June 13, 1938
9 Claims. (Cl. 177—311)



1. A cable system comprising a cable filled with liquid under pressure, a vessel in free communication with the cable and filled with liquid therefrom, a liquid containing closed system, the liquid therein being separately maintained from that in the cable, an element in the system which is exposed to the differential effects of the pressures of the liquids in the vessel and in the closed system, the pressure of the liquid in the vessel changing with changes of pressure within the cable and that in the closed system with changes due to climatic conditions, expansible and contractible means responsive to changes of pressure of the liquid in the closed system, and a circuit controlling means actuated by the element.

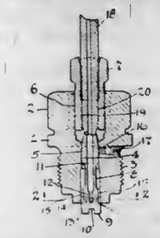
2,244,393
MUFFLER
Lucien L. Haas, Youngstown, Ohio, assignor to MacKenzie Muffler Company, Inc., Youngstown, Ohio
Application August 31, 1939, Serial No. 292,885
6 Claims. (Cl. 181—61)

1. A muffler including a pair of shells arranged one within another, heads permanently secured to the opposite ends of the outer of said shells, one of said heads having an opening therein of larger diameter than the interior shell, an inner head part having one end of the interior shell secured thereto, means for removably securing said inner head part to said last mentioned head



about the opening therein, when said interior shell is positioned within said outer shell, and means fixed in said muffler for slidably supporting said interior shell adjacent to the other end thereof, whereby when said inner head part is detached from its head, it may be removed with said interior shell from said muffler.

2,244,394
SPRAY NOZZLE
Richard W. Hautzenroeder, Mansfield, Ohio
Application March 15, 1938, Serial No. 196,021
4 Claims. (Cl. 299—107.6)

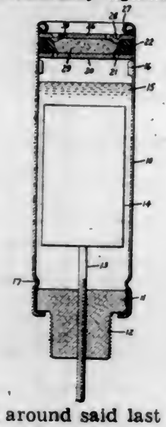


4. In a spray nozzle for internal combustion engines, the combination of telescopically engaged relatively axially movable valve members, one of which is provided with a fuel discharge opening which is progressively uncovered upon relatively axial movement of said members, and yieldable means under substantially zero initial tension maintaining said members in such relation that such fuel discharge opening is closed, but permitting relative axial displacement of said members to progressively uncover said fuel discharge opening.

2,244,395
ENCLOSING HOUSING FOR ELECTRICAL DEVICES
Hermann Hill, Coblenz, Germany, assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application October 26, 1937, Serial No. 171,111
In Germany November 7, 1936
6 Claims. (Cl. 220—44)

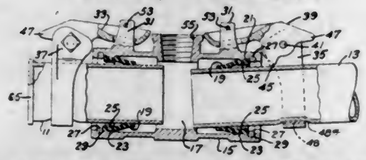
1. In a housing for an electrical device of the type capable abnormally of developing excess pressure within the housing, the combination of a tubular casing having an open end, an inner closure disk disposed in said casing spaced from said open end and having a vent aperture, an outer closure disk disposed adjacent said open end of the casing and having a vent aperture, a packing ring disposed between said disks around the periphery thereof, and means clamping said ring between said disks in sealing relation to the junction between said inner disk and the walls of said casing, said packing ring having a flexible resilient portion extending in closing

relation over the vent aperture in said inner disk and pressing resiliently against the surface of



the inner disk around said last mentioned aperture.

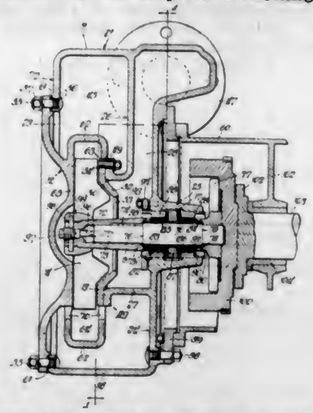
2,244,396
PIPE COUPLER
Gillis C. Kellaher, Portland, Oreg., assignor to R. M. Wade & Co., Portland, Oreg., a corporation of Oregon
Application June 25, 1938, Serial No. 215,821
6 Claims. (Cl. 285—193)



1. In a fluid conduit coupling device for conduit members, means for securing the members in flexible coupled relation in and out of axial alignment including a latch element movably mounted on one of said members and a keeper element mounted on the other member, said elements having coacting latch-operating side faces extending longitudinally of the coupled portions of said conduits and at least one of said faces being a cam surface, whereby, upon rotation of one conduit member relative to the other conduit member after coupling engagement of the members, the latch element will be cam-retracted and then moved into latching engagement with said other element.

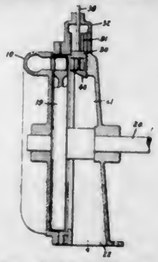
2,244,397
SELF-PRIMING CENTRIFUGAL PUMP
Harry E. La Bour, Elkhart, Ind.
Application May 26, 1938, Serial No. 210,131
20 Claims. (Cl. 103—113)

1. A self-priming centrifugal pump capable of operating in either a vertical or a horizontal position, comprising an impeller casing having a centrally disposed inlet opening and a peripheral discharge, an impeller in the casing having a driving shaft extending from one side of the casing, a separator chamber communicating with the discharge of the impeller casing and having a discharge outlet disposed at a sufficient radial distance from the axis of the shaft to provide a trap for a charge of priming liquid when the shaft is horizontal and at a sufficient axial distance from the plane of the impeller and on the shaft side of said impeller casing to provide a trap for a charge of priming liquid when the shaft is vertical, means submerged in the trapped liquid in either horizontal or vertical position of the trap for returning priming



liquid into the impeller casing during priming and an intake connection having means for preventing the escape of a priming charge of liquid when the pump is disposed in either horizontal or vertical position.

2,244,398
ELASTIC FLUID TURBINE
Paul H. Knowlton, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 30, 1938, Serial No. 232,628
8 Claims. (Cl. 253—66)

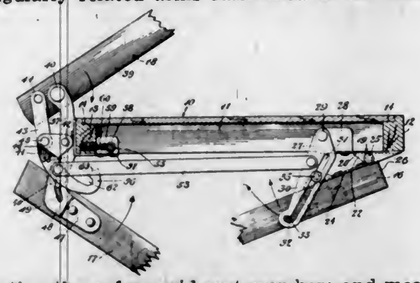


1. In an elastic fluid turbine, valve means for regulating the flow of operating fluid therethrough, control means for said valve means, means for redirecting the elastic fluid through said turbine when said valve means are adjusted for a predetermined minimum flow therethrough and means controlled by said valve control means for rendering said redirecting means inoperative upon said valve means being adjusted for a predetermined increased flow of operating fluid therethrough.

2,244,399
FOLDING CHAIR
John Kovats, Fairfield, Conn.
Application April 21, 1938, Serial No. 203,221
18 Claims. (Cl. 155—148)

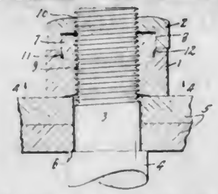
4. In a chair of the type described, a seat member; a back member pivoted to said seat member adapted to fold against the top side thereof; a plurality of supporting legs for said chair adapted to fold in opposite directions

against the underside of said seat member; means for securing said legs to said seat member for pivotal movement; rigidly interconnected angularly related arms fulcrumed at the inter-



section thereof on said seat member; and means pivotally interconnecting said arms and said back member and legs, whereby to move the legs to folded and extended positions as the back member is folded and extended.

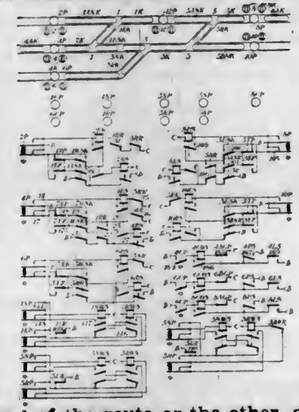
2,244,400
LOCK-NUT CONSTRUCTION
Albert W. Miller, Jamaica, N. Y.
Application February 24, 1940, Serial No. 320,694
7 Claims. (Cl. 151—19)



7. In a lock-nut construction for locking on a bolt member, the combination of a first locking member and a second locking member, an eccentric connection between said locking members so that relative rotation between said locking members cause the same to move laterally relative to each other, said locking members being in axial alignment to provide for placing the same on said bolt member when said locking members are at a position substantially removed from their position of maximum lateral displacement, the eccentricity of said connection providing for relative rotation of said locking members past said position of maximum lateral displacement when on said bolt in order to lock said locking members on said bolt, and means for preventing further relative rotation of said locking members shortly after said position of maximum lateral displacement has been passed.

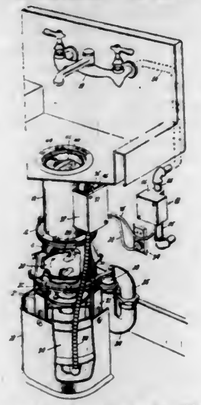
2,244,401
RAILWAY TRAFFIC CONTROLLING APPARATUS
John M. Pelikan, Greentree, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 31, 1936, Serial No. 118,609
59 Claims. (Cl. 246—134)

1. In an interlocking system for railroads, a track layout comprising a plurality of track sections interconnected by track switches to form different traffic routes, a signal for each track at each end of the layout for governing the movement of traffic through the layout, a track diagram comprising a plurality of portions provided with substantially linear light sources and adapted to form an illuminated representation of said track layout, a manually operable contact for each track at each end of the diagram, interlocked route control means responsive to the manual operation of a contact at one end and the subsequent operation of a contact at the opposite end of the diagram to operate the track switches as required to complete a traffic route between the corresponding ends of the track layout, means effective when said route is completed to illuminate certain portions of said diagram to visually indicate said route by a substantially continuous illuminated line, means controlled by said route control means for clearing the signal



at one end of the route or the other, depending upon the relative order in which said contacts were closed, track controlled means for illuminating the portions of the diagram corresponding to said route by light of a different color to indicate the movement of a train over the successive track sections of the route, means cancelling the illumination of the corresponding portions of the diagram as each track section is vacated, and track controlled means for releasing said route control means to cancel said route and to restore the cleared signal to stop when the train enters the first track section of the route.

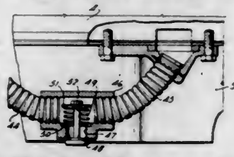
2,244,402
WASTE DISPOSAL APPARATUS
James H. Powers, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application January 14, 1939, Serial No. 250,975
10 Claims. (Cl. 83—6)



1. In combination, a waste disposal appliance

including a casing with means for comminuting material in said casing and power means for operating said comminuting means; a conduit system for flow of water to aid in the disposal of the comminuted material and including said casing together with means for supplying water to the casing and means for conducting water and comminuted material from the casing; means for controlling the operation of said power means to render said comminuting means operative and inoperative, and a fluid flow responsive device in said system and operatively connected with said controlling means for rendering said controlling means ineffective to cause operation of said comminuting means whenever there is not a predetermined minimum volume of water flowing in said system.

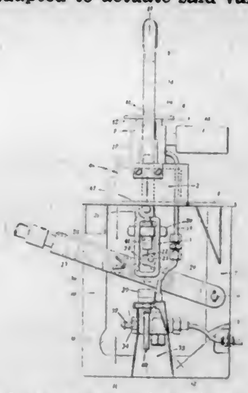
2,244,403
CRANKCASE VENTILATOR
Arthur J. Root, Quapaw, Okla.
Application December 4, 1939, Serial No. 307,454
3 Claims. (Cl. 123—119)



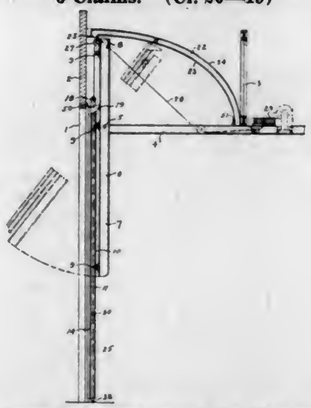
1. In combination with an engine having an outlet in the front of the crank-case by which air is ordinarily drawn through the crank-case by air passing over said outlet incidental to movement of air along the sides of the engine, and having a carburetor supplying a carbureted mixture to the engine cylinders and provided with an air inlet and an air cleaner, of means for maintaining said air movement through the outlet when the engine is used as a stationary engine, including a collar connecting the air cleaner with the air inlet of the carburetor and having a lateral port, a fitting connected with said outlet, and a conduit connecting the fitting with the lateral port of the collar whereby suction is maintained at said outlet by way of suction through the carburetor of the engine.

2,244,404
APPARATUS FOR TESTING SPARK PLUGS
Frank Stanley Saunders, Southampton, England
Application March 6, 1940, Serial No. 322,519
In Great Britain March 21, 1939
8 Claims. (Cl. 175—183)

1. Apparatus for testing sparking plugs comprising in combination a frame, a compression chamber, means for receiving and holding a plug in said compression chamber, means for locking the plug in said receiving and holding means, an operating handle pivotally mounted on the frame, a spring controlled member pivotally connected to said handle, a cross-bar pivotally connected to said handle, an inspection chamber mounted on the frame below the compression chamber, a pair of sleeve bearings mounted on the inspection chamber, a vertically disposed U-shaped member slidably mounted in said sleeve bearings and carried by the cross-bar, a contact device mounted on the vertically disposed member adapted to coact with the plug, an automatic switch device, connected to a source of electrical energy, actuated by said operating handle, a valve carried by the bracket connected to the compression chamber and to a supply of compressed air and means mounted on the operating handle adapted to actuate said valve and thereby control the supply of air to the compression chamber.



2,244,405
VERTICAL SUSPENSION DOOR
Frederick A. Schilling, Jr., Vancouver, British Columbia, Canada
Application December 21, 1939, Serial No. 310,437
6 Claims. (Cl. 20—19)



6. A door for hangers and the like comprising a single vertical panel door of substantially the height of the door opening, cable means for raising the door vertically for a substantial portion of its height and for subsequently tilting the door to a substantially horizontal position to dispose said door when fully opened with substantially one half of said door within the opening and the remaining portion projecting outwardly beyond said opening.

2,244,406
ELECTRIC MOTOR
Alexander Schönwald, Berlin, Germany
Application May 27, 1938, Serial No. 210,383
In Great Britain May 28, 1937
3 Claims. (Cl. 171—252)

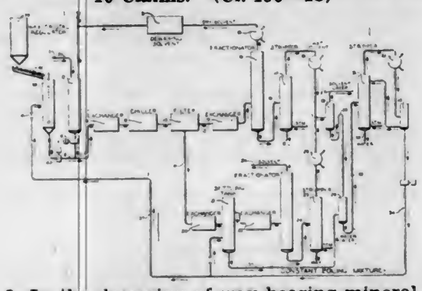
1. An electrically driven hand-machine, comprising an electric motor with rotor, a shaft carried by and rotatable with said rotor, a casing accommodating said motor and said shaft, a fan on said shaft for producing a cooling air current passing from one end to the other of said casing, a removable cap on one end of said casing having

air admission holes, a removable ring-shaped part fitted between the removable cap and said casing, and a fine hair sieve detachably clamped



between the ring-shaped part and said casing, the cap and the ring-shaped part interengaging to form baffles to sharply deflect the air current before it passes the sieve.

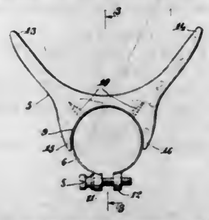
2,244,407
SOLVENT DEWAXING
Walter Smisloff, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 22, 1939, Serial No. 291,284
10 Claims. (Cl. 196—18)



8. In the dewaxing of wax bearing mineral oil in the presence of a wax crystal regulator, which is effective in the presence of a small amount of water, with a dewaxing solvent containing a wax anti-solvent, the steps comprising mixing the oil with the dewaxing solvent, forming a suspension of the wax crystal regulator in a constant-boiling mixture of wax anti-solvent and water, incorporating said suspension in the wax bearing mixture, chilling the resulting mixture to precipitate the wax, and removing the precipitated wax in the presence of the added regulator.

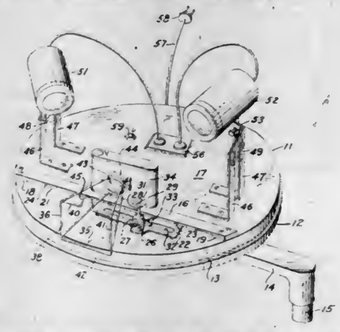
2,244,408
FULCRUM ATTACHMENT FOR FISHING RODS
Lucius M. Thompson, Miami, Fla.
Application March 5, 1940, Serial No. 322,281
1 Claim. (Cl. 43—25)

A fishing rod attachment, comprising a one-piece U-shaped fulcrum piece having a concavity to receive the underside of the forearm and upwardly projecting horns at the sides to engage the sides of the forearm, said fulcrum piece having a reverse, downwardly open, part circular concavity directly below the U-shaped portion, a flexible, contractible clamping band engaged and seated in said downwardly open concavity, means securing the intermediate portion of said band in the upper portion of said concavity, the lower portion of the band below said upper secured portion being free to permit adjustable contraction of the same to fit different sized fishing rod



handles, the lower free portion of said clamping band projecting below the open seat in which the band is secured and terminating in opposed end portions and screw means for drawing said opposed end portions of said flexible clamping band together into yielding gripping engagement with a fishing rod handle.

2,244,409
CAMERA MOUNTING FOR DENTAL BRACKET TABLES
William F. Upton, San Anselmo, Calif.
Application May 24, 1940, Serial No. 337,007
1 Claim. (Cl. 248—179)



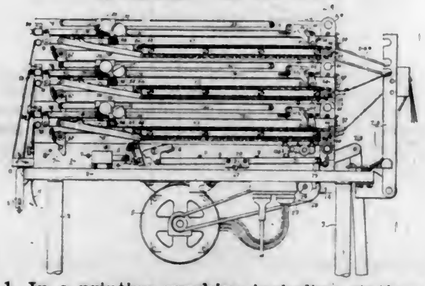
A camera mounting for a dental bracket table having an upper surface bounded by an upstanding rim, said camera mounting comprising a base of substantially the dimensions of said upper surface of the bracket table removably seated on said surface and having its rim in engagement with the rim of said table, a strip fastened to the upper surface of said base in spaced relationship thereto to define a recess therebetween, a member slidable in said recess, and a universal joint connection member on said slidable member, said universal joint connection member being adapted to removably receive a camera.

2,244,410
TANNING PREPARATION AND METHOD OF MAKING THE SAME
Fredrick J. Wallace, Erie, Pa., assignor to Robeson Process Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 31, 1940, Serial No. 348,922
10 Claims. (Cl. 260—124)

1. In the improvement of tanning extracts from sulfite waste liquors fermented with bacteria capable of fermenting pentoses, said fer-

mented liquors containing copper-precipitating compounds, the method which comprises subjecting the so fermented liquor to the action of chlorine, in such amount and under such conditions as to substantially diminish the content of copper-precipitating compounds.

2,244,411
PRINTING MACHINE
Clayton E. Wyrick, Wyandotte, Mich.
Original application August 29, 1936, Serial No. 98,514. Divided and this application January 11, 1938, Serial No. 184,451
23 Claims. (Cl. 101—340)



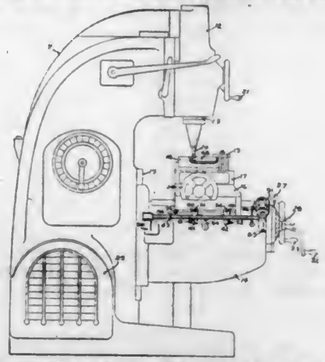
1. In a printing machine including stationary ink supply means, printing plate means, and reciprocatory carrier means cooperating therewith, an ink transfer unit in said carrier means including rotatable ink transfer roller means alternately engageable with said ink supply means and said printing plate means, and ink spreader means associated with said ink transfer means and means comprising a cam and associated roller mechanism responsive to reciprocation of said carrier to axially reciprocate said ink spreader for uniformly distributing ink on said ink transfer roller means.

2,244,412
FILTRATION
Charles T. Anné, Laurance V. Phillips, and William Schwarz, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application June 10, 1939, Serial No. 278,484
5 Claims. (Cl. 210—62)

1. In the dewaxing of wax-bearing lubricating oil wherein the oil is mixed with a dewaxing solvent, chilled, and the chilled mixture filtered to remove the wax, the filter surface comprising a textile fabric, the method of materially increasing the service life of said filter fabric, which comprises incorporating in the mixture of wax-bearing oil and dewaxing solvent liquid prior to filtration a small amount of alkaline neutralizing agent and effecting filtration in the presence of said substance.

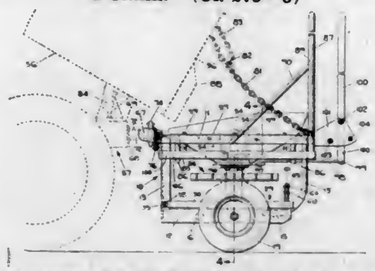
2,244,413
PRECISION INDICATING APPARATUS FOR MACHINE TOOLS
Joseph B. Armitage, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application October 1, 1938, Serial No. 232,844
24 Claims. (Cl. 90—21)

1. In a machine tool, in combination, a supporting structure, a member movably mounted on said supporting structure, means for moving said member by power in either direction selectively, a pair of trip dogs adjustably positioned on said movable member, trip mechanism disposed to be engaged by said trip dogs at predetermined positions in the path of movement of said member to disengage said power means automatically thereby terminating said power movement, a pair of indicator abutments adjustably mounted on said trip dogs respectively, an indicator actuating element disposed to be engaged by said abutments in the region of the termini of



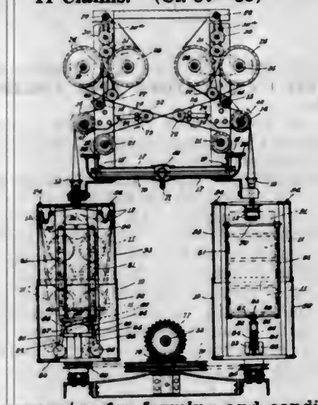
movement of said movable member, a sensitive indicating device arranged to be actuated by said element upon engagement thereof by either of said abutments, and means to adjust the position of said movable member in accordance with the indication of said indicating device, whereby said movable member may be stopped automatically and then accurately positioned at either terminus of a predetermined stroke of movement.

2,244,414
SPREADER
Franklin E. Arndt, Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company, a corporation of Ohio
Application October 14, 1938, Serial No. 235,000
1 Claim. (Cl. 275—8)



In a material spreader, the combination with a frame, of a support mounted thereon for rotation relatively thereto on an upright axis, a hopper mounted on said frame and having a discharge opening in its bottom, agitating and downwardly propelling mechanism mounted on said support in position to act on material in said hopper, a distributor mounted on said support to rotate therewith, a ground engaging wheel connected to said frame with the periphery of said wheel in frictional driving engagement with the underside of said distributor to secure rotation of the latter and said agitating and downwardly propelling mechanism when the spreader travels over the ground, and mechanism for connecting said frame to a dumping truck with the distributor in such a relatively low position as to distribute the material not only laterally and rearwardly but also forwardly toward the rear wheels of the dumping truck.

2,244,415
YARN TWISTING AND STABILIZING MACHINE
William W. Arnold, Jr., Knoxville, Tenn., assignor to Callaway Mills, La Grange, Ga., a corporation of Georgia
Application November 14, 1938, Serial No. 240,224
11 Claims. (Cl. 57—35)



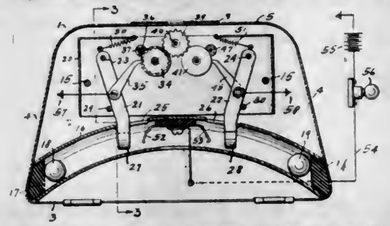
1. An apparatus for forming and conditioning cord which includes means for rotating strands to form a cord, means for pulling the rotating strands and cord formed thereby, and means for stretching the twisted cord while continuing and increasing the tension on the strands, said first mentioned means including strand spools, angularly spaced around their axis of rotation, a weight, and means for radially adjusting said weight to compensate for any unbalance in the weights of the rotating strand spools and their contents.

2,244,416
LUBRICATING OIL
Harry V. Ashburn, Glenham, and William G. Alsop, Fishkill, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application December 7, 1938, Serial No. 244,360
5 Claims. (Cl. 252—51)

1. A motor oil for lubricating the bearings and cylinders of an internal combustion engine comprising a mineral lubricating oil within the motor oil viscosity range having a Saybolt viscosity varying from about 90 at 130° F. to about 150 at 210° F., containing 0.01–2.0% of a phosphatide material of animal origin and of such characteristics as to inhibit bearing corrosion and lacquer formation, said phosphatide material containing a proportion of animal fat-like material having a reverse emulsifying effect to that of the phosphatide and which is effective to produce a compounded oil meeting the United States Navy specifications for emulsion test as herein specified.

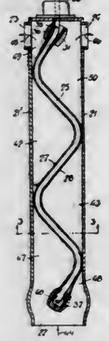
2,244,417
INERTIA REGISTER FOR VEHICLES
Everett L. Bacon, Houston, Tex.
Application June 13, 1938, Serial No. 213,556
2 Claims. (Cl. 235—91)

1. In a device of the character described for use on a motor vehicle, comprising an upwardly arched guide means, a counter, means for actuating the counter comprising a gear connected to the counter, a pivoted arm extending into the guide means, a pawl pivotally connected to the arm and adapted to engage and rotate said gear upon movement of said arm in one direc-



tion, yieldable means adapted to return said arm to the original position, a stop adapted to halt said arm in original position whereby the pawl is allowed to engage another tooth on the gear, a freely movable body in the guide means effective to actuate said arm and pawl, to actuate the counter upon abnormal operation of the vehicle supporting the device.

2,244,418
FLUID ENGINE
Carl Wilhelm Henrik Dücker Bennet, Stockholm, Sweden, assignor to Louise Gunnila Violet Bennet, Runeborg, Stocksund, Sweden
Application June 20, 1939, Serial No. 280,193
In Germany July 2, 1938
20 Claims. (Cl. 103—149)

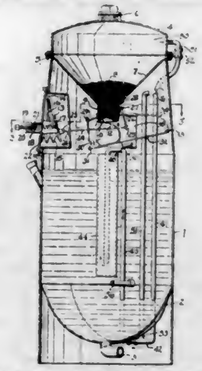


1. A fluid engine comprising a casing, a flexible band therein arranged to perform a uni-directional wave-like movement, a working chamber for said fluid, said casing and said band forming separate and independent walls of said working chamber, and a helically shaped rod for cooperation with said band, said rod extending in the longitudinal direction of said casing and being rotatable about its longitudinal axis.

2,244,419
ACETYLENE GENERATOR
James C. Dickens, Kilgore, Tex., assignor of one-half to W. H. Taylor, Kilgore, Tex.
Application October 23, 1939, Serial No. 300,717
5 Claims. (Cl. 48—38)

1. In an acetylene generator, a closed container, the lower end of which forms a water receptacle, a carbide hopper in the upper end of said container, having a cylindrical lower outlet

therein, a compound valve device adapted to close the lower end of said outlet including an upwardly tapered valve member to move into said passage, and a compressible, approximately spherical member of larger diameter than that of said passage below said valve member, fluid pressure operated means to move said tapered valve member into position in said passage to close off the passage of carbide therethrough and manually operated means to thereafter move said spherical member to close said passage below said tapered member.

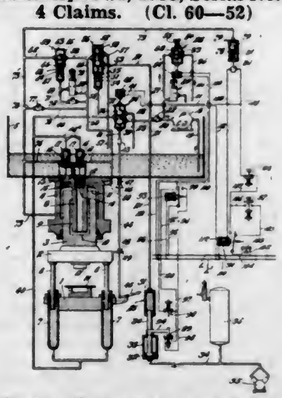


2,244,420

CONTROL SYSTEM FOR HYDRAULIC PRESSES

Richard W. Dinzl, Westfield, N. J., assignor to The Watson-Stillman Co., Roselle, N. J., a corporation of New Jersey

Application April 21, 1938, Serial No. 203,301
4 Claims. (Cl. 60—52)



2. In a hydraulic press apparatus having press-head-advancing mechanism and press-head-retracting mechanism, both operable by hydraulic pressure, a hydraulic pressure accumulator, a constant delivery pump having a receiving connection with a source of liquid and a delivery connection with said accumulator to charge the latter when the press is idle, means responsive to a predetermined degree of charging of the accumulator to direct the pump discharge to said liquid source to limit charging of the accumulator, control valve means operable to admit hydraulic pressure to said retracting mechanism and operable also to relieve hydraulic pressure in the retracting mechanism, means responsive to relief of pressure in the retracting mechanism to place said pump and accumulator in delivery communication with said advancing mechanism for performing a pressing operation, means responsive to pressure admitted to the retracting mechanism to relieve hydraulic pressure in said advancing mechanism for press head retraction, and means responsive to a predetermined hydraulic pressure in the advancing mechanism to operate said control valve means to cause said admission of hydraulic pressure from the pump and accumulator to the retracting mechanism, for press head retraction.

2,244,421

METHOD OF PREPARING MONO-SUBSTITUTED CYANAMIDES AND THEIR POLYMERS

Walter P. Ericks, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 27, 1939, Serial No. 286,779
15 Claims. (Cl. 260—248)

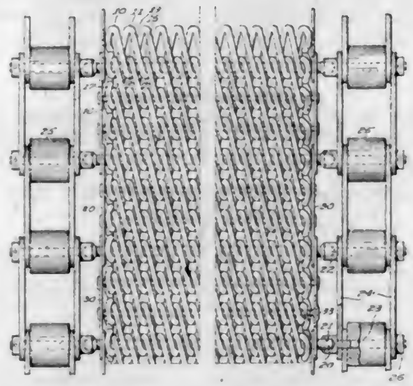
1. The method which comprises reacting an alkaline earth metal cyanamide in an aqueous slurry with a compound containing an ethylene oxide ring, removing insoluble materials, precipitating the alkaline earth metal present as a substantially insoluble compound and removing the same, evaporating the water from the aqueous solution and recovering the product.

2,244,422

WOVEN WIRE BELTING

Raymond J. Guba, Philadelphia, Pa., assignor to Audubon Wire Cloth Corporation, a corporation of New Jersey

Application November 19, 1938, Serial No. 241,482
5 Claims. (Cl. 198—194)



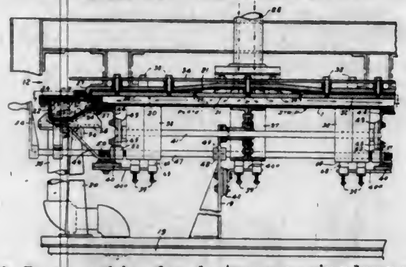
1. A woven wire belt comprising a plurality of rigid sections hingedly connected to each other by a hinge rod to form a continuous fabric, each section including a plurality of interwoven helical coils having the turns of each overlapping and interlocking with the turns of adjacent coils, a cross rod extending through each of said coils between the turns thereof and the overlapping turns of each adjacent coil, and means hinged on said hinge rod and rigidly connecting the ends of each cross rod to the adjacent ends of the other cross rods in the section to maintain said coils in the same plane.

2,244,423

APPARATUS FOR STRIP PLATING

Wesley F. Hall, Matawan, N. J., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey

Application June 28, 1938, Serial No. 216,322
6 Claims. (Cl. 204—209)



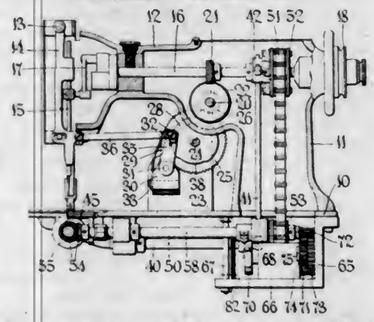
4. In a machine for electroprocessing long continuous substantially flat strips of metal, a tank for holding electrolyte, a trough arranged over said tank and elongated in the direction of the strip travel, said trough enclosing the side edges of said strip means sealing the back side edges of said strip which are not in contact with the electrolyte to said trough, a series of rollers arranged on spaced axle members, said members being spaced along said trough in the direction of strip travel and arranged adjacent the open side of said trough for supporting and guiding said continuous strip along, liquid conduit means interconnecting said tank and trough for conducting electrolyte into said trough from said tank, and means comprising a perforated electrode plate arranged centrally and longitudinally of said trough for uniformly distributing said electrolyte over said strip, means for maintaining the outer side of said strip in direct electrical connection with a plurality of electric conductors, and means for conducting electric current through said electrolyte and to said strip while the strip is moved along through said trough.

2,244,424

SEWING MACHINE

Arthur Roland Mahany, Dunkirk, N. Y., assignor to Van Raalte Company, New York, N. Y.

Application October 10, 1939, Serial No. 298,814
2 Claims. (Cl. 112—98)



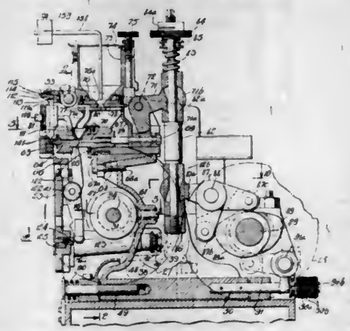
1. In a sewing machine, an automatic stitch producing mechanism comprising, in combination, a bed plate, stitching mechanism disposed thereabove and having a laterally shiftable needle, a drive shaft for producing vertical reciprocation of said needle, a bracket detachably secured to the upper surface of said bed plate and cam means carried thereby and having connection with said needle to oscillate the same laterally, gearing between said cam means and said drive shaft to actuate the former from the latter, a loop-taker shaft disposed beneath said bed plate and rotatable with said drive shaft, a feed dog and a rock shaft for oscillating said feed dog horizontally, a second rock shaft for intermittently moving said feed dog upwardly and downwardly to render the same effective and ineffective to feed the work in the machine, and a second bracket detachably secured to the under side of said bed plate and cam means carried thereby for controlling movements of said second rock shaft.

2,244,425

DIE CASTING MACHINE

Davis Marinsky and Louis H. Morin, Bronx, N. Y., assignors to Whitehall Patents Corporation, Bronx, N. Y., a corporation of New York

Application July 10, 1937, Serial No. 152,942
32 Claims. (Cl. 18—30)

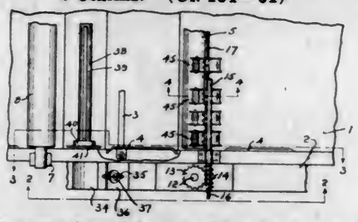


8. In a die casting machine of the class described, employing relatively movable dies with an impression formed between adjacent surfaces of said dies, a mounting member adapted to be supported between the dies with part of said member arranged in said impression, means in advance of the dies and movable toward and from the dies for engaging and intermittently feeding said member relatively to the dies when the dies are in open position, means for intermittently ejecting casting material under pressure into the impression of the dies when in closed position to form a successive series of castings in spaced relation to each other on said member, the means for feeding said member comprising spaced grippers, one of said grippers being movable with and independently of said member in the intermittent feeding of said member relatively to the dies, and means involving a tensional device and the other of said grippers for supporting said member against movement relatively to the dies in the operation of moving the first named gripper relatively to said member.

23. A machine of the class described comprising dies movable toward and from each other, a cylinder arranged at one side of the dies, a discharge nozzle at the end of said cylinder and in engagement with said dies, a plunger in said cylinder for ejecting heated casting material from the cylinder into an impression formed between said dies, means in operative engagement with the plunger for intermittently feeding casting material into the cylinder forwardly of said plunger to replenish the supply of material to the cylinder in successive operations of said plunger, said last named means comprising a

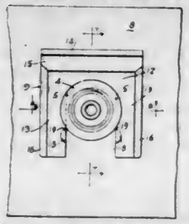
hopper in which the casting material for supply to said cylinder is stored, a measuring and delivery slide for transmitting the material from said hopper to said cylinder, said cylinder, hopper, and associated parts being arranged and supported on a swinging frame unit, means for swinging said frame unit, and means for moving said unit longitudinally of the axis of said unit in the direction of said dies whereby to maintain the nozzle of said cylinder in constant engagement with at least one of said relatively movable dies irrespective of the movement of said dies.

2,244,426
WOODWORKING DEVICE
Sam Maurer, Vancouver, British Columbia, Canada
Application November 13, 1939, Serial No. 303,994
In Canada December 17, 1938
2 Claims. (Cl. 164—61)



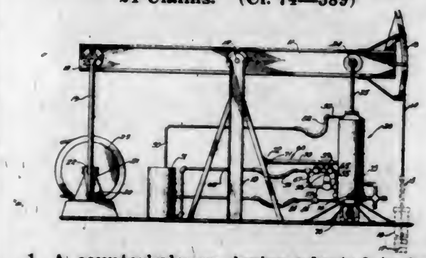
1. In a wood working machine having a table, a feed roll journalled beneath said table, a beam transversely carried above the table and a die carried by said beam, said die consisting of a freely rotating sleeve having an annular indenting member intermediate its length and having a threaded extension beyond said annular member, said threaded extension being adapted to receive other annular members in alignment with the first named annular member.

2,244,427
METHOD OF MAKING FASTENING DEVICES
William H. Miller, Royal Oak, Mich., assignor to The Flex-O-Tube Company, Detroit, Mich., a corporation of Delaware
Original application August 18, 1938, Serial No. 225,593, now Patent No. 2,228,176, dated January 7, 1941. Divided and this application September 11, 1939, Serial No. 294,299
2 Claims. (Cl. 29—148)



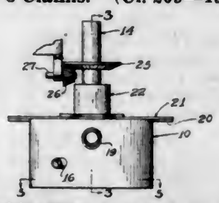
1. A method of making a rigid fastening device for machine elements, comprising the steps of (*a*) cutting a U-shaped member from a metal sheet, (*b*) bending the leg portions of said member to provide a longitudinal strengthening rib on said leg portions to add rigidity against transverse bending thereto, (*c*) flanging the closed end of said U-shaped member to add rigidity against longitudinal bending to provide a fastening device reinforced against flexing along its transverse and longitudinal axes, and (*d*) pressing a protrusion in each of the leg portions adjacent the ends thereof for locking the fastening device upon the machine elements.

2,244,428
OIL WELL PUMP AND COUNTERBALANCE
Charles M. O'Leary, Los Angeles, Calif.
Application March 18, 1938, Serial No. 196,751
24 Claims. (Cl. 74—589)



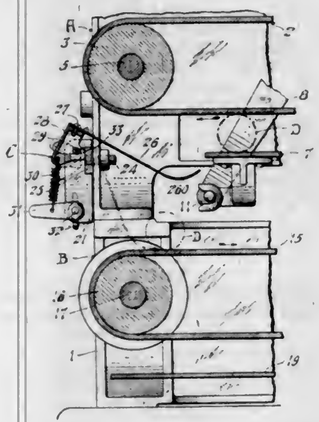
1. A counterbalance device adapted to be interposed between the base and the walking beam of a pumping mechanism and to have free pivotal movement in the plane of oscillation of the walking beam, said device comprising a cushioning tank within which a compressible and an incompressible fluid are entrapped, a balancing cylinder having a working chamber in constant communication with the tank in the zone of the tank containing incompressible fluid, a piston within said balancing cylinder connected with the walking beam, means incident to the operation of the piston in said working chamber of the cylinder for forcing compressible fluid into the tank and means controlled by pressure in the cushioning tank for feeding incompressible fluid thereto.

2,244,429
AMALGAMATOR AND CONCENTRATOR
Clarence D. Overton, Los Angeles, Calif.
Application April 29, 1940, Serial No. 332,133
3 Claims. (Cl. 209—191)



3. In combination, a casing, means forming a mercury space horizontally within the lower portion of the casing including superimposed plates of which the upper plate is rotatable, with its perimeter spaced from the wall of the casing to form a mixture discharge channel opening upwardly into the casing, balls freely disposed in said mercury space and upon which the upper plate rests, a hollow upright feed shaft rotating said upper plate and opening downwardly therethrough into the center of the mercury space, a cone atop the rotating upper plate and around the shaft, said casing having a concentrate take-off through its wall above the upper plate, a tailings discharge member extending through the upper portion of the wall of the casing and having its inner receiving end opening within the casing adjacent to the upper end of the cone, a bridge member across the casing and having a bearing support around the shaft, bearings in said support engaging the shaft at vertically spaced points, and stirring arms depending from said bridge member and having their lower free ends terminating adjacent to the surface of said cone at spaced points along the sloping surface of the latter.

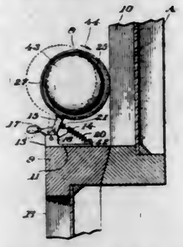
2,244,430
DOUGH-ROLL TRANSFER DEVICE FOR DOUGH HANDLING MACHINERY
Edward T. Parsons, Upper Montclair, Hilon W. Sawyer, Nutley, and Theodore P. Newitts, Union, N. J., assignors to Thomson Machine Company, Belleville, N. J., a corporation of New Jersey
Application June 21, 1939, Serial No. 280,228
4 Claims. (Cl. 198—27)



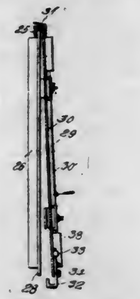
1. In a dough working machine including two dough working mechanisms for operating upon a substantially cylindrical piece of dough, each including cooperating parts to roll said piece of dough between them, the discharge end of one of said mechanism being vertically superposed to the receiving end of the other, a transfer device including a receptacle pivoted on a horizontal axis to swing upwardly and downwardly between said discharge end and said receiving end and disposed transversely of the direction of movement of said piece of dough to take in its upper position said piece of dough from said discharge end of the upper mechanism, orient said piece with its axis perpendicular to the direction of travel of the piece through the lower mechanism, and deposit said piece on said receiving end of the lower mechanism when said receptacle is in its lower position.

2,244,431
ALARM MECHANISM
Alfred W. Piccardi, New York, N. Y.
Application July 19, 1939, Serial No. 285,395
4 Claims. (Cl. 116—90)

1. An alarm mechanism for use with upper and lower window sashes, comprising, a plate adapted to be attached to the upper face of the meeting rail of the lower sash, an arm pivotally attached to said plate, a shaft extending at right angles to said arm, a flanged plate mounted for rotation on said shaft adapted for contact with the upper sash, cam-like members supported within said flanged plate, a striker secured to said shaft adapted to engage said cam-like members upon rotation of said flanged plate, and a gong supported on said shaft for contact by said strikers when disengaged from said members.



2,244,432
SHUTTER FASTENER
Edward C. Schwab, Miami, Fla.
Application May 3, 1939, Serial No. 271,575
2 Claims. (Cl. 189—79)



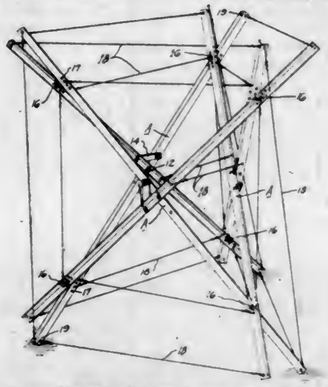
1. A storm shutter for casement windows comprising a panel having an inturned portion to engage the sash, said panel having a relatively wide flange arranged around the sides and bottom thereof and having slots therein, and slidably arranged clamp hooks provided with inturned portions fastened to said panel and extending through said slots for engagement with portions of said sash, and means for holding said clamps in locked position.

2. A storm shutter for casement windows comprising a panel provided with inturned means to hook over the window whereby the shutter may hang thereon, slidably arranged securing hooks provided with inturned portions carried by said panel for clamping engagement with the edges of said window, and a rain guard arranged at the top of said panel and adjacent said inturned means, said guard being flexible and extending inwardly and overlying the top of said inturned means.

2,244,433
JETTY
Eugene C. Ottinger, Hinton, Okla.
Application June 23, 1938, Serial 215,374
10 Claims. (Cl. 61—3)

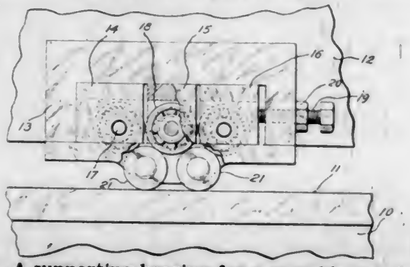
1. A jetty structure including, a trio of cross-shaped sections, each section consisting of a pair of elongate bars which are bolted together in crossing relation, the sections being disposed so as to form a structure having a general triangular shape in plan with each section forming one side of the triangle the extremities of the

bars of each section intersecting the bars of the other sections, and means for bolting the inter-



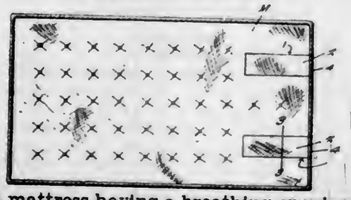
secting portions of the bars together to secure the sections to each other.

2,244,434
SUPPORTING ROLLER BEARING
John C. Shaw, Hartford, Conn., assignor to Niles-Bement-Pond Company, Hartford, Conn., a corporation of New Jersey
Application September 1, 1939, Serial No. 292,975
4 Claims. (Cl. 308—6)



1. A supporting bearing for a movable member comprising in combination, a base having a plane bearing surface, a member movable thereover, rollers retained within said movable member and engaging the bearing surface of said base, and rollers engaging and retaining said first mentioned rollers in position, said last mentioned rollers being axially supported for rotation upon shafts adjustable laterally within said movable member.

2,244,435
HEALTH MATTRESS
John Simons, Eugene, Oreg.
Application July 16, 1940, Serial No. 345,809
2 Claims. (Cl. 5—91)

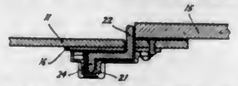


1. A mattress having a breathing opening in its head portion passing through both faces of the mattress, said opening being of elongated form and extending longitudinally of the mattress and passing through the upper end of the mattress, said opening being of a width and length to receive the face and upper portion of the head of the occupant of the mattress, the side walls of the opening bowed outwardly, whereby the upper portion of said side walls form seats for the sides of the face and upper portion of the head, a block formed of the same material as that of the mattress for closing the opening when the block is slid into said opening, the side edges of the block being grooved to receive the outwardly bowed side walls of the opening and beads formed on the upper and lower faces of the block at the outer end thereof to form continuations of the beads of the mattress when the block is in position closing the opening.

2,244,436
ELECTRICAL CONTACT
Chester Tietig, Covington, Ky.
No Drawing. Application August 7, 1939, Serial No. 288,814
12 Claims. (Cl. 200—166)

1. A metallic object which is a sintered conglomerate of powdered metal having a multiplicity of pores throughout its mass, said pores being impregnated with a lubricant which is mobile when warm and which has no fire point.

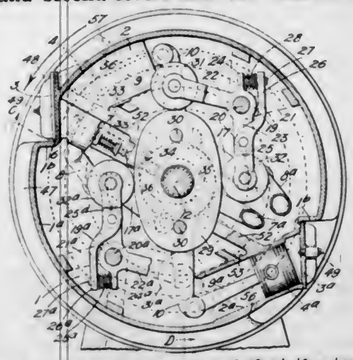
2,244,437
LOCK
Daniel L. Webb, Minneapolis, Minn.
Application September 29, 1938, Serial No. 232,371
8 Claims. (Cl. 292—211)



6. In a sliding door, locking mechanism located adjacent to the rear edge of said door, said locking mechanism comprising a lock supporting member secured to the door, a lock rotatably supported by said member, said lock having a body and angularly related ends, one of said ends being accessible from the exterior of the door, the other of said ends projecting inwardly beyond the inner face of the door when in locking position to prevent sliding movement of said door.

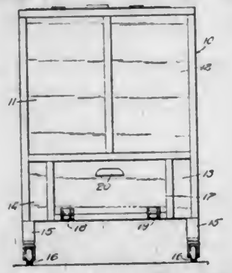
2,244,438
ROTATING CYLINDER INTERNAL COMBUSTION ENGINE
John Shearman Wilkerson, Snaresbrook, England, assignor to Wilkerson Rotary Engine Limited, London, England, a company of Great Britain, William Quilter, London, England, and John Shearman Wilkerson, Snaresbrook, England
Application May 22, 1939, Serial No. 275,088
In Great Britain August 9, 1938
5 Claims. (Cl. 123—43)

1. An internal combustion engine comprising a rotary body, a cylinder mounted upon said rotary body, a piston working in the cylinder, a first lever mounted for rotation about the axis of the rotary body and capable of oscillation relatively to the latter, a second lever of bell-crank form pivoted on the rotary body, a connection from the piston to the free end of the first lever, a connection extending from the first lever at a point adjacent to its axis of rotation to the second lever, a fixed symmetrical cam of substantially oval or elliptical form located with its centre point on the axis of the rotary body and constituting means to govern the travel of the piston, and means at each end of the second lever by which it is adapted to bear upon the edge of the cam at points angularly spaced apart through 90° about the axis of the rotary body, the first and second levers and the connection be-



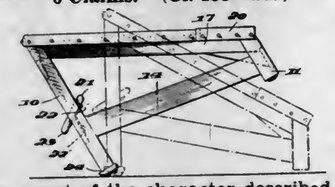
tween them being so arranged that the tendency of the piston to move outwardly relative to the cylinder on the power stroke causes one of the said means to be urged against the cam in a direction normal to the surface of one of the opposed parts thereof most remote from the axis of the rotary body.

2,244,439
MOP CLEANER
Edward Witt, Evanston, Ill.
Application March 9, 1940, Serial No. 323,175
8 Claims. (Cl. 15—89)



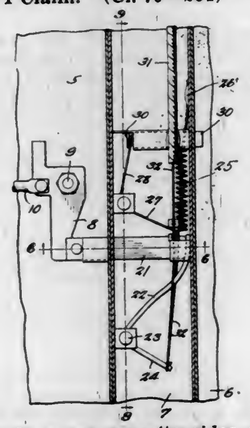
1. A mop cleaner of the character described comprising a casing provided with an opening for receiving a mop, means for substantially closing said opening when said mop has been received within said casing, spaced guide members within said casing forming a pocket for receiving said mop and retaining the same in a substantially fixed position within said casing, the guide members on one side of said mop being yieldable and adjustable, a rotatable shaft mounted within said casing outside said pocket but adjacent said guide members, a plurality of flexible blades carried by said shaft and extending therefrom a distance greater than the distance between said shaft and said adjacent guide members, whereby upon rotation of said shaft the ends of said blades pass into said pocket adjacent said guide members to engage said mop, said blades being equipped with resilient spring steel supports attached to said shaft and extending therefrom a distance less than the distance between said shaft and said adjacent guide members, a motor for rotating said shaft to bring said blades into engagement with said mop, removing the dust therefrom, and a container within said casing for receiving the dust removed from said mop.

2,244,440
COMBINATION LEG AND BACK REST
Capelle H. Archer, Richmond, Va.
Application March 21, 1940, Serial No. 325,246
6 Claims. (Cl. 155—169)



1. In a rest of the character described, spaced upright front and rear leg members, a body member support comprising spaced side rail members rigidly connected at the ends thereof to the upper ends of said front and rear leg members and a cover member extending between and secured to said side rails, said support extending downwardly from the upper ends of said rear legs at a sharp angle thereto, and a rocking bearing member secured to the lower ends of said rear leg members, the relative dimensions of and the angular relation between said legs and said support being such that when said rest is tilted about said bearing member to dispose said support in substantially horizontal position, substantially the entire weight of the rest will be balanced on said bearing member.

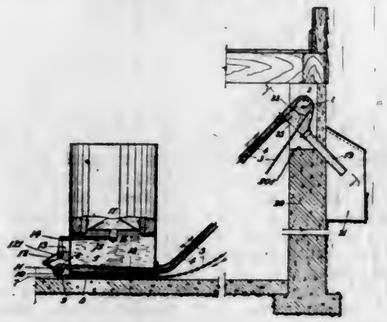
2,244,441
MOTOR VEHICLE DOOR LOCK
Augustin M. Arrizabala, Emmett, Idaho
Application June 16, 1939, Serial No. 279,539
1 Claim. (Cl. 70—264)



Locks for doors on opposite sides of a motor vehicle, said locks comprising sliding spring bolts adapted to lock the doors in their closed positions, pivoted arms connected with said sliding bolts, a master lock including a sliding bolt, a pivoted arm mounted within the body of the car and moved by the action of the bolt of the master lock, one of said spring bolts being connected with the last mentioned pivoted arm and the spring thereof being tensioned when the master bolt is moved to its active position, a

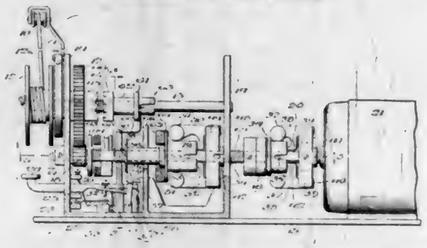
flexible connecting member connecting the pivoted arms and sliding bolts at opposite sides of the automobile body and having connection with the pivoted arm operated by the bolt of the master lock, whereby the sliding bolts of the locks are operated simultaneously with the operation of the master lock.

2,244,442
CONVEYER FOR LOOSE MATERIAL
Warren S. Blauvelt, Troy, N. Y.
Application May 25, 1939, Serial No. 275,612
3 Claims. (Cl. 198—54)



1. In a conveyer for transferring small quantities of loose material from a chamber provided with a substantially horizontal floor at a relatively low level to a discharge point at a higher level, a tube extending from said chamber to said higher discharge point, an endless straight link chain movable through said chamber into and through said tube, means for moving said chain, and means for discharging said loose material from said tube at a level higher than said chamber.

2,244,443
CARRIAGE RETURN MECHANISM
Samuel Proctor Brady, Jr., Baltimore, Md.
Application June 11, 1940, Serial No. 339,969
9 Claims. (Cl. 197—66)



1. In a carriage return mechanism, a carriage, a low-speed winding shaft, a connection between said carriage and said low-speed shaft, an axially movable high-speed shaft, a motor driven power shaft, means responsive to the rotation of the power shaft to rotate and move the high-speed shaft axially when the power shaft reaches a predetermined speed, normally inoperative gearing connecting the said low-speed and high-speed shafts, said gearing including a gear freely mounted on the high-speed shaft, and means rendered operative by axial movement of said high-speed shaft to drivingly connect said gear to said high-speed shaft.

2,244,444
EXERCISING DEVICE
Richard H. Burgess, San Antonio, Tex.
Application January 23, 1939, Serial No. 252,454
3 Claims. (Cl. 272—57)



1. An exercising device constituting a wing for attachment to the arm of a person, said wing including a socket adjacent one edge of the wing and of a length sufficient to receive the entire arm, said socket constituting the sole attachment of the wing to the person, a plurality of coacting radiating resilient feathers secured to said socket and adapted to yield longitudinally and torsionally under the impact of impinging air currents, and resilient means connecting certain of the feathers at their free end portions and adapted to resist longitudinal separation of such feathers.

2,244,445
HAND PROTECTOR
Robert N. Carson, Ross, and Thomas Carson O'Connell, San Rafael, Calif.
Application November 20, 1937, Serial No. 175,684
1 Claim. (Cl. 2—20)

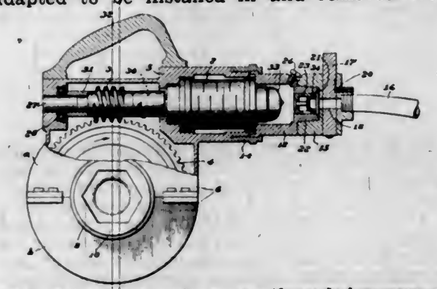


A golf glove comprising, a palm portion extending at its transverse edge nearer to the wrist from the crotch of the thumb substantially diagonally across the palm toward and over the outside of the heel of the hand, the other transverse edge thereof loosely fitting across the front of the base of the fingers, an elastic back portion secured to the longitudinal edges of the palm portion at the back of the hand, and a partition element extended between said portions adjacent the edge nearer to the fingers.

2,244,446
MECHANISM FOR DRIVING THE WORKER ROLLS OF WOOL CARDS
Ernest Clark, Brockton, Mass.
Application April 18, 1939, Serial No. 268,599
1 Claim. (Cl. 81—57)

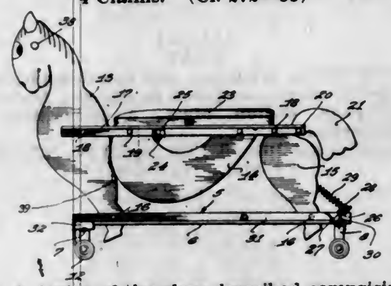
A power unit for driving the worker rolls of a wool card comprising, in combination, a high speed rotary compressed air motor, a worm

driven by said motor, a worm gear meshing with said worm and driven thereby, a casing enclosing said parts, said worm being mounted on a worm shaft in line with and directly but releasably connected with the shaft of said motor and said casing including a tubular section housing said motor and said worm and a relatively thin portion extending laterally from one side of said tubular section and enclosing said gear, a sleeve at the outer end of said section cooperating with the latter to enclose said motor, said motor being adapted to be installed in and removed from



said casing as a unit, screw-threaded means cooperating with said casing section and said sleeve to releasably secure the motor in its operative position in the casing, a fitting on said worm gear adapted to be releasably engaged with the end of the worker roll shaft to drive the latter, and a handle secured to the opposite side of said tubular portion from said thin casing section enclosing the gear, whereby the unit may be held in its operative position on a worker roll shaft by grasping the handle in one hand and said thin casing section in the other.

2,244,447
COMBINED WHEELED TOY AND EXERCISING DEVICE
Joseph A. Dann, Miami, Fla.
Application February 3, 1940, Serial No. 317,171
4 Claims. (Cl. 272—53)



1. A device of the class described comprising a wheeled frame, a figure mounted on the frame and comprising end and intermediate sections, the lower ends of the end sections being pivotally mounted on the frame, spaced horizontal bars rigidly secured to the opposite sides of the intermediate section and pivotally connected with the end sections for rearward movement therewith in spaced parallel relation to the frame, a tail section pivotally mounted between the rear ends of said horizontal bars, a strap having one end thereof secured to the tail section and its other end secured to the adjacent pivoted section, and a spring operatively connected with the frame and bearing against the adjacent pivoted section for normally holding all of said sections in extended position.

2,244,448
SURGICAL STITCH
William M. Eaton, Boca Raton, Fla.
Application February 20, 1939, Serial No. 257,504
7 Claims. (Cl. 128—335)

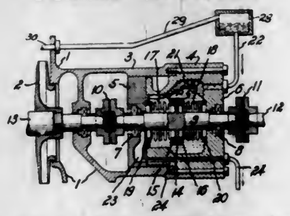


6. A surgical stitch comprising a strip of thin textile material having oppositely disposed notches at its medial portion, forming a reduced portion intermediate the ends of the strip, the strip being provided at one side thereof with layers of adhesive arranged at opposite ends of the notched portion of the strip, the notched portion of the strip having on said side thereof a surface which will not adhere to the human skin.

2,244,449
COATING AND METHOD OF MAKING THE SAME
Charles Ellis, Victoria, British Columbia, Canada
No Drawing. Application November 30, 1938, Serial No. 243,289
2 Claims. (Cl. 134—46)

1. A liquid composition of creamy consistency adapted to form an enamel-like coating on an unpolished non-metallic surface when said composition is applied while said surface is damp and allowed to set and cure while kept damp, said composition consisting of the product obtained by mixing together substantially 100 parts by volume of Portland cement, 10 parts by volume of pigment selected from the group consisting of chromium oxide, iron oxide, cobalt oxide, magnesium oxide, and aluminum oxide, from ½ to 1 part by volume of calcium stearate, and substantially 45 parts by volume of an aqueous solution of calcium chloride obtained from dissolving a quantity of calcium chloride in twice the quantity by weight of water.

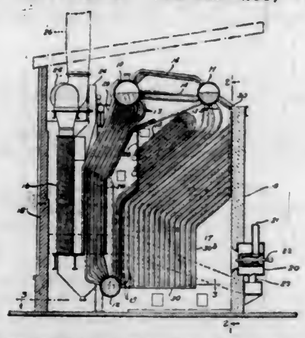
2,244,450
PACKING GLAND
Edoardo Erni, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a joint-stock company
Application April 17, 1939, Serial No. 268,433
In Germany April 28, 1938
5 Claims. (Cl. 286—11)



1. A packing gland construction for rotating shafts which comprises a gland housing, one wall of which is subject to the pressure of a fluid to be sealed, said wall having an opening through which the shaft projects into said housing, an elastic bellows concentrically positioned about the shaft within said housing, a slip-ring mounted on each end of said bellows, an imperforate flange on the shaft within said housing, a bearing surface carried by said flange in contact with one of said slip-rings, a bearing surface carried by said housing wall surrounding the opening through which

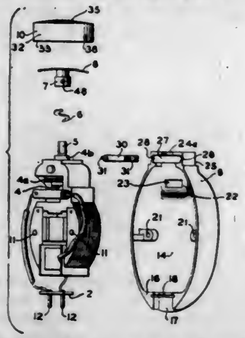
the shaft projects and in contact with the other of said slip-rings, said bellows being maintained under compression in the axial direction between said bearing surfaces, the interior of said bellows being in direct pressure communication with the fluid to be sealed, and means for maintaining a body of sealing liquid about the external surface of said bellows and the joints between said slip-rings and their corresponding bearing surfaces.

2,244,451
WATER WALLS AND THE LIKE
Fernando Falla, Maplewood, N. J., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application October 30, 1936, Serial No. 108,315
20 Claims. (Cl. 122—235)



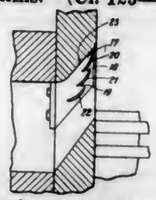
18. In a furnace chamber having enclosing walls some of which are vertically disposed, a plurality of continuous fluid circulating conduits arranged for parallel fluid flow therethrough, each having substantially straight vertically extending portions disposed adjacent substantial areas of two vertical walls and having a substantially uniform flow area throughout its length.

2,244,452
ELECTRIC DRY SHAVER
Irving Florman, New York, N. Y.
Application July 15, 1938, Serial No. 219,477
5 Claims. (Cl. 30—43)



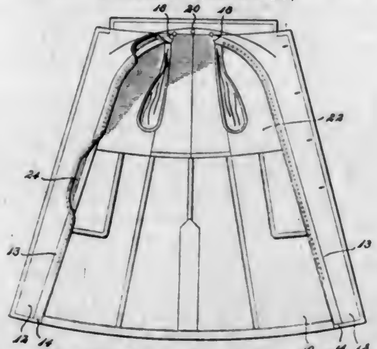
1. In a dry shaver device, a pair of interchangeable frame members engageable to form a motor enclosing handle, a cutter head telescopically engageable with adjacent end portions of said frame members, and means enclosed in said adjacent end portions providing snap-lock connection between said cutter head and the handle formed by said frame members.

2,244,453
SCAVENGING OF TWO-STROKE CYCLE INTERNAL COMBUSTION ENGINES
Hermann Föttinger, Berlin-Wilmersdorf, and Rudolf Wille, Berlin-Charlottenburg, Germany
Application December 3, 1938, Serial No. 243,870
In Germany December 4, 1937
10 Claims. (Cl. 123—65)



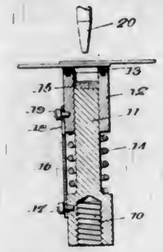
10. In a two-stroke cycle internal combustion engine having piston-controlled scavenging and exhaust ports, scavenging ports inclined towards the cylinder head and scavenging ports directed in a circumferential direction the combination comprising a nozzle construction located near the edge which is parallel to the cylinder axis of said scavenging ports which are directed in a circumferential direction, said nozzle construction being formed between a guide blade inserted in the port and a side-wall of the port which is more remote from the exhaust ports than the other side-wall; the guide blade inserted in such a manner that its direction converges with the direction of said side wall thus forming an acute angle with said wall; said guide blade subdividing the port into a minor part, the said nozzle, and a larger part which is free of obstructions; said nozzle construction being so positioned as to direct a minor part of scavenging fluid round the edge of the scavenging port directly along the cylinder wall, while the main part of the scavenging fluid through said scavenging port runs uninfluenced by eddies which are prevented from forming at the edge by said minor part of fluid passing through said nozzle construction with increased velocity.

2,244,454
COAT
Vincent Freda, Brookline, and Louis Sunderland, Newton, Mass., assignors to Barron, Anderson Company, Boston, Mass., a corporation of Massachusetts
Application July 29, 1939, Serial No. 287,376
1 Claim. (Cl. 2—97)



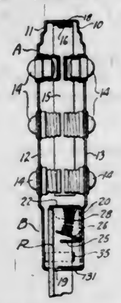
A completely finished outer coat having at least a partial permanent lining, said coat having on the inside thereof inwardly opened channels near the side margins of the coat formed by relatively narrow free flaps of material extending from points near the bottom of the coat and terminating at the tips of the shoulders of the coat, the side edges of said permanent lining extending into said channels beneath said flaps at the sides of the coat and the top portion of the lining at the collar between the shoulder tips being fully exposed and forming a smooth surface uninterrupted by loose flaps of material, a pair of zipper strips secured to said flaps and concealed within said channels, a removable sleeveless lining having zipper strips along the side margins thereof and adapted to be secured to the outer coat under said flaps and concealed thereby, the upper edge portion of said removable lining adjacent the collar portion of the outer coat being exposed to view and means independent of the zipper strips for removably attaching said upper edge portion of said removable lining to the outer coat between the shoulder tips.

2,244,455
ELECTRIC CONTACT
Fritz Gengenbach, Attleboro, Mass., assignor of one-half to William J. Reilly, Attleboro, Mass.
Application September 21, 1939, Serial No. 295,977
8 Claims. (Cl. 219—4)



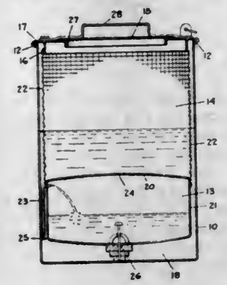
7. A contact for welding comprising mercury normally protected from contact with the work to be welded, and means to cause the work to make contact with the mercury to close the welding circuit.

2,244,456
MEANS FOR LOCKING BODIES TO SUPPORTS
Albert W. Happel, Toledo, Ohio, assignor to Western Cataphote Corporation, Toledo, Ohio, a corporation of Ohio
Application November 22, 1938, Serial No. 241,881
5 Claims. (Cl. 287—119)



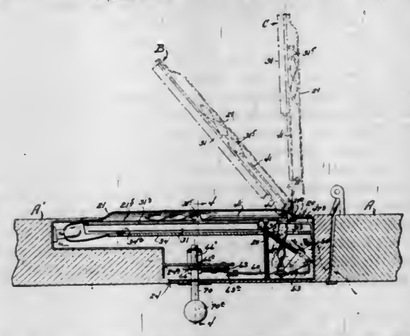
1. A body including two laterally separable members forming a hollow lower end with provision for the insertion of a supporting post therein, means within said lower end for coacting with a post inserted therein to prevent separation of the body members, and means within the body for releasably engaging an inserted post to normally prevent its withdrawal from the body.

2,244,457
MINNOW PAIL
Winfield H. Hartford, Kearney, Nebr.
Application July 5, 1940, Serial No. 344,103
3 Claims. (Cl. 43—56)



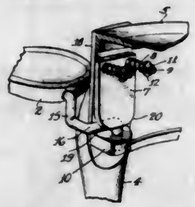
1. A minnow pail including an air chamber with a minnow chamber of reticular walls above said air chamber and integral therewith, the upper wall of said air chamber being convex and being provided with an orifice of small diameter communicating with said minnow chamber, means for conducting water into the upper portion of said air chamber to thereby force air from said air chamber through the orifice thereof and into said minnow chamber, means for governing the rate of flow of the water into said air chamber, and a valved outlet in the bottom of said air chamber for discharging the water therefrom.

2,244,458
VEHICLE DIRECTION INDICATOR
William P. Herzer, Boulder, Colo.
Application November 8, 1939, Serial No. 303,481
3 Claims. (Cl. 116—53)



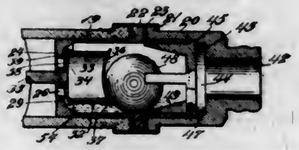
2. A signalling device comprising a series of horizontally swinging signal arms; means for selectively swinging one of said signal arms comprising a series of segmental gears, one connected to and operating each of said signal arms; a discontinuously toothed gear wheel operating depending upon its direction of rotation, one of a plurality of said segmental gears; and a sliding rack carried on said wheel engaging with and operating another segmental gear.

2,244,459
KITCHEN CHAIR
Hamer K. Jett and Howard L. Showalter, Brooksville, Ky.
Application October 25, 1938, Serial No. 236,938
4 Claims. (Cl. 155—128)



1. A kitchen chair having legs and a seat, an object supporting rest, a supporting arm extending from said rest, means for pivoting said supporting arm within the open upper end of one of the legs of the kitchen chair, and cam means cooperating with said supporting arm holding said rest either in retracted position beneath the chair seat or extended beyond the chair seat and permitting the object supporting rest to be moved from either position to the other position.

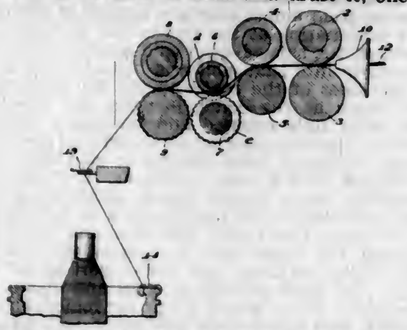
2,244,460
DEVICE TO PREVENT THE REFILLING OF BOTTLES
William L. Kelman, Cranston, R. I.
Application July 5, 1938, Serial No. 217,341
3 Claims. (Cl. 215—22)



1. In a device to prevent the refilling of a bottle or like container, a hollow casing insertable in the neck of a bottle and having an opening at its inner end with a valve seat about said opening, a valve in said casing to engage said seat and seal said opening and arranged to float in the liquid placed in the bottle, a guard disk positioned to close the upper portion of said casing and seating on the outer end surface thereof, a ball between said disk and valve to engage the valve and move it to its seat, and arms on said disk having a surface so disposed as to cause said ball to move into engagement with said valve when the casing is disposed in a horizontal position, a hollow cap member positioned about the outer upper portion of said casing and having a pouring opening and a shoulder in the interior thereof adjacent to said pouring opening and abutting said guard disk to secure the same in place, and means for securing said casing and cap member together.

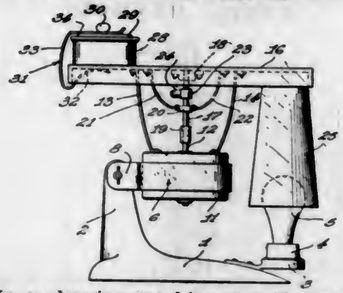
2,244,461
FIBER WORKING ROLL FOR TEXTILE MACHINES
Rex A. Kettley, Saco, Maine, assignor to Saco Lowell Shops, Boston, Mass., a corporation of Maine
Application October 15, 1938, Serial No. 235,259
7 Claims. (Cl. 19—130)

1. In a textile fiber working machine, a plurality of pairs of rolls arranged, one in advance of another, for acting successively on a strand of fibrous material to feed and draft it, one at



least of said rolls having a sand blasted surface area.

2,244,462
WASHING AND DRYING MACHINE
Opie P. Keys, Jonesboro, Tenn.
Application September 27, 1938, Serial No. 231,863
4 Claims. (Cl. 141—1)

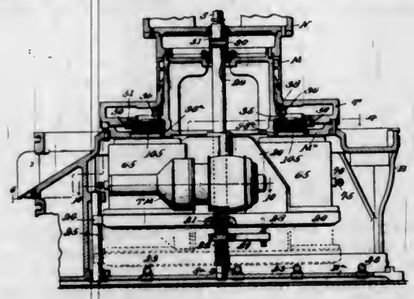


3. In a cleaning machine, a table, said table having an opening therein, a drying screen mounted in the opening, a heat deflecting unit carried by the table beneath the drying screen, a base, means carried by the base for mounting the table for vibratory movement, heating means carried by the base, and article supporting means carried by the table, said article supporting means supporting an article to be cleaned and fluid for a cleaning operation upon vibration of the table, said drying screen and heating means cooperating for drying the article after cleaning thereof.

2,244,463
MECHANISM INCLUDING AN INTERMITTENTLY MOVED STRUCTURE
Edward Joslin Kingsbury, Gunnar Swahnberg, and Benjamin Norton Foster, Keene, N. H., assignors to Kingsbury Machine Tool Corporation, Keene, N. H., a corporation of New Hampshire
Application March 15, 1940, Serial No. 324,210
19 Claims. (Cl. 29—48)

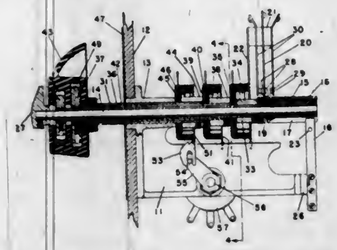
1. In a driving system for a turret or like structure which is to be moved successively through predetermined intervals, a reversible source of power, means driven from the source of power to actuate the structure, a stop member for limiting retrograde movement of the structure upon reversal of the source of power, a slip clutch included in said driving means for disconnecting the source of power from driving relationship with the structure when the latter

is engaged with the stop member, means effective for re-engaging said clutch and for holding the structure against said stop member, means for initiating forward movement of the



source of power, and means for effecting reversal of movement of said source of power after a predetermined relative forward movement of said structure.

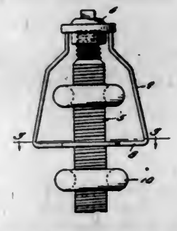
2,244,464
SIGNAL CONTROLLING MEANS
Edwin A. Link, Jr., Binghamton, N. Y.
Application March 15, 1938, Serial No. 196,024
1 Claim. (Cl. 74—503)



A signal controlling device comprising a bearing, a sleeve slidably and rotatably carried by said bearing, a second sleeve carried by said first sleeve in rotatable relation thereto, a third sleeve carried by said second sleeve in rotatable relation thereto, a shaft carried by and in concentric relation to said third sleeve and being both rotatable and slidable relative thereto, a unified control device for said sleeves and shaft operable with one hand for moving the same independently and as a unit, said control comprising a knob secured to said first sleeve and partially housing a pair of spaced discs extending laterally from the knob and secured to the second and third of said sleeves, said shaft having an operating handle secured to its outer end and lying adjacent the said knob, said sleeves and said shaft being slidable together.

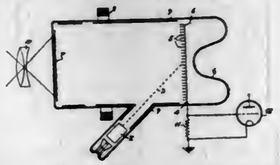
2,244,465
VALVE CAP HOLDER
Joseph L. E. Lippé, Pawtucket, R. I.
Application May 7, 1940, Serial No. 333,827
1 Claim. (Cl. 138—89.3)

In a valve cap holder, a cap adapted for threading on and off of a valve stem, an arm integral with said cap and extending laterally therefrom and terminating in an end portion extending in the direction of the valve stem, an annular rigid member integral with said end portion of the arm and loosely fitting the valve stem whereby the cap may be rotated relative to the valve stem and be positioned a limited distance laterally of the valve stem when detached therefrom, and spaced annular cushion members frictionally gripping the valve stem and substantially equally spaced from opposite sides of the rigid annular member when said cap is fully applied to said valve stem whereby the rigid annular member during the application and removal of the cap may move endwise of the valve stem to permit



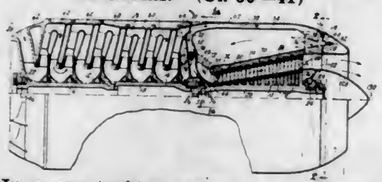
the cap to freely clear the end of the valve stem, said annular cushion members acting to prevent full disengagement of the rigid annular member from the valve stem and one of said annular cushion members acting as a support for the rigid annular member and thereby sustain the cap positioned laterally of the valve stem and spaced a distance from the end of said valve stem to permit free application of an inflating fitting thereto.

2,244,466
TELEVISION
Hans Gerhard Lubszynski, Hillingdon, and Sidney Rodda, Enfield, England, assignors to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application May 4, 1935, Serial No. 19,752
In Great Britain May 12, 1934
3 Claims. (Cl. 178—7.2)



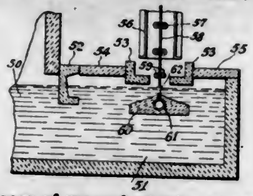
1. In apparatus for transmitting images which comprises a photo-electrically active screen upon which a light image is adapted to be directed to release photo-electrons and a mosaic electrode formed from a multiplicity of mutually insulated elements adapted to be scanned for transmission by a cathode ray beam, the method which comprises the steps of directing the released photo-electrons along a focussed path toward the mosaic electrode, accelerating the focussed electrons in their path through the mosaic so that under impact of the impinging photo-electrons upon the mosaic, secondary electrons are released whereby to leave the mosaic electrode positively charged to varying degrees proportional to the intensity of the light image projected upon the photoelectrically active screen, collecting the released secondary electrons, scanning the mosaic electrode with the cathode ray beam to neutralize the acquired positive charges, and releasing signalling impulses proportional in magnitude to the acquired charges to the external circuit.

2,244,467
TURBINE
Alf Lysholm, Stockholm, Sweden, assignor to Aktiebolaget Milo, Stockholm, Sweden, a corporation of Sweden
Original application February 9, 1934, Serial No. 710,465, now Patent No. 2,080,425, dated May 18, 1937. Divided and this application May 4, 1937, Serial No. 140,639. In Germany February 10, 1933
13 Claims. (Cl. 60—41)



1. In a gas turbine system, a power unit including an axial flow turbine, an outer casing structure spaced from the turbine, means providing a combustion chamber located in the space around the turbine and spaced from the walls of said space, a compressor driven by the turbine, said compressor discharging compressed air into the space within said casing structure surrounding said combustion chamber and said combustion chamber having an inlet in communication with said space and an outlet in communication with the inlet of said turbine.

2,244,468
HEAT-ABSORBING GLASS AND METHOD OF PRODUCING SAME
William O. Lytle, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application April 26, 1938, Serial No. 204,357
3 Claims. (Cl. 49—83.1)



3. A process of manufacturing sheet glass from a molten glass bath which comprises forming sheet glass from the body of said molten bath along a predetermined plane, introducing molten heat-absorbing glass into the body of the bath below the surface thereof and at a location materially spaced from the location of the beginning of the sheet-forming operation, passing said heat-absorbing glass through a portion of the bath body toward the beginning of the formation of said sheet glass, and forming said heat-absorbing glass as a central core homogeneously merged in the finished glass sheet while maintaining the outer surfaces of the sheet glass free from the heat-absorbing glass.

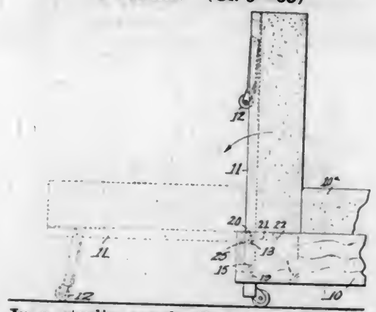
2,244,469
SPRING CONSTRUCTION
Clarence H. Menge, Mount Clemens, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application December 19, 1938, Serial No. 246,558
5 Claims. (Cl. 155—179)

5. A border element comprising a metallic rod having portions displaced therefrom to form channels in one face of the rod and ridges on the side of the rod opposite said channels, portions of the walls of said channels being extended and



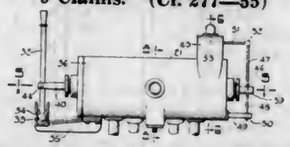
flanged over corresponding channel portions to form tunnels with their respective channel portions, and tabs adjacent to the tunnel ends which are deformable over an adjacent channel portion.

2,244,470
BACK LOCK FOR STUDIO COUCHES
Herbert W. Neunherz, Gardner, Mass.
Application December 17, 1938, Serial No. 246,400
3 Claims. (Cl. 5—38)



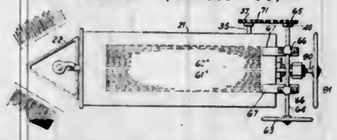
1. In a studio couch, the combination with a main frame, of a back having a pivot stud, a bracket on the main frame having a projection for supporting the back in vertical position and the back having a notch at the bottom for locking it to said projection in vertical position, means carried by the bracket for restricting the motion of the pivot stud to allow the back to be turned about it as a center to horizontal position, and means carried by the bracket constructed and arranged for holding the pivot stud so that the back may be moved forward to close up the space formed between the back and the main frame when it is first swung into horizontal position.

2,244,471
VALVE MEANS FOR HYDRAULICALLY TILTABLE BULLDOZERS
Herbert L. Nichols, Jr., Greenwich, Conn.
Application July 18, 1939, Serial No. 285,117
9 Claims. (Cl. 277—55)



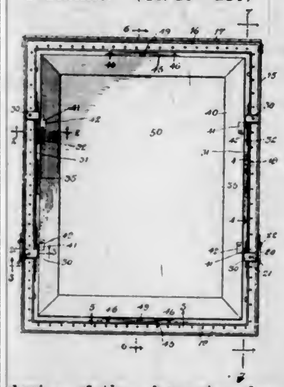
1. In a device of the character described, a valve having an outer casing provided with a pair of substantially longitudinally extending passageways, an inlet port opening into one of said passageways, an outlet port opening into the other passageway, a transverse arc-shaped passageway connecting the first two passageways, a spring closed relief valve in said transverse passageway, means integral with said outer casing forming an inner casing, said inner casing being provided with a plurality of spaced ports, a valve core rotatably and slidably positioned in said inner casing, said valve core being formed hollow and with a plurality of spaced partitions for dividing the core into compartments and a plurality of ports opening into each compartment and a hand-actuated lever for reciprocating and partly rotating said core to cause certain ports in the core to register with certain ports in the outer casing.

2,244,472
MACHINE FOR BOARDING FABRIC ARTICLES
Roland Roswell Nydegger, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application November 24, 1939, Serial No. 305,947
11 Claims. (Cl. 223—76)



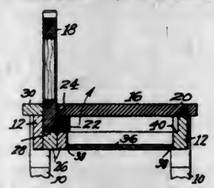
1. A board-setting apparatus for treating textile products with a moisture-containing vapor comprising a mounting plate, a form upon which the textile products may be positioned for treatment pivotally attached to said mounting plate, a tank mounted in co-operative relationship with the mounting plate and capable of forming therewith a pressure-tight chamber wherein the textile products may be positioned for treatment, means for moving the mounting plate and the tank into and out of sealed co-operative relationship with each other, and means for sealing the tank and the mounting plate into sealed co-operative relationship with each other.

2,244,473
STRETCHING FRAME
Frank C. Osborn, Manchester, Vt.
Application September 14, 1939, Serial No. 294,850
5 Claims. (Cl. 45—130)



1. In a device of the character described, an outer frame member, an inner frame member hinged thereto and adapted to rest within said outer frame member, means on said inner and outer frame members to position material to be stretched, a stretching frame mounted within said inner and outer frame members, studs on said stretching frame, members having cam surfaces slidably mounted on said inner frame member and engaging said studs, and means for moving said cam bearing members in and out of selective positions.

2,244,474
ARTICLE OF FURNITURE
Alvin A. Rainville, Worcester, Mass.
Application December 6, 1939, Serial No. 307,854
7 Claims. (Cl. 155—152)



1. In an article of the class described, a support, a member pivoted to said support for location in vertical or horizontal position, an abutment on said support engaging said member in its vertical position, and means also engaging the member when in its vertical position, oppositely to said abutment, whereby said member may be clamped when in said vertical position, said means comprising a pivoted generally horizontal top element effective for supporting articles.

2,244,475
EVAPORATOR PLATE FOR REFRIGERATED CABINETS
Walter Raskin, New York, N. Y.
Application March 29, 1938, Serial No. 198,715
4 Claims. (Cl. 62—126)



4. In an evaporator plate for refrigerating systems, means for providing a sinuous, continuous passage extending over said plate forming a plurality of merging, alternately reversed U-shaped elements having conduits therein, at least one of the legs of said U-shaped elements being enlarged and the bend being restricted in width with respect to said enlarged leg, whereby the flow of the refrigerant will be successively restricted and expanded to vary the turbulence of the current in said passage.

2,244,476
ART OF DRILLING DEEP WELLS
George L. Ratcliffe, Los Angeles, Calif., assignor to National Lead Company, Los Angeles, Calif., a corporation of New Jersey
Application December 19, 1938, Serial No. 246,618
4 Claims. (Cl. 255—1)

1. In the art of drilling deep wells through

shaley formations, the process comprising, employing a drilling fluid and subjecting the fluid repeatedly for short intervals to a pressure sufficient to insure consolidation of the wetted portion of the shaley formation into a firm compact mass.



2,244,477

RECOVERY OF BASIC CALCIUM HYPOCHLORITE COMPOUNDS

Heinrich Reitz and Hans Ehlers, Bitterfeld, Germany, assignors, by mesne assignments, to Penn-Chlor, Incorporated, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application May 24, 1938, Serial No. 209,727. In Germany June 8, 1937
2 Claims. (Cl. 23—86)

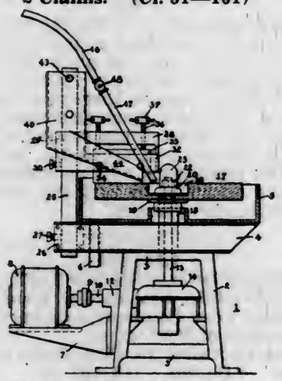
1. A process for the recovery of calcium hypochlorite compounds from solutions containing substantial amounts of calcium chloride in addition to available chlorine, which comprises causing calcium hydrate to react with such lyes at temperatures from about 80 to about 90° C., and thereafter separating the precipitated basic calcium hypochlorite compounds from the residual lye while maintaining such temperatures.

2,244,478

APPARATUS FOR DRESSING BONDED GRINDING WHEELS

Charles Tindall, Natrona Heights, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application September 28, 1937, Serial No. 166,088
2 Claims. (Cl. 51—161)



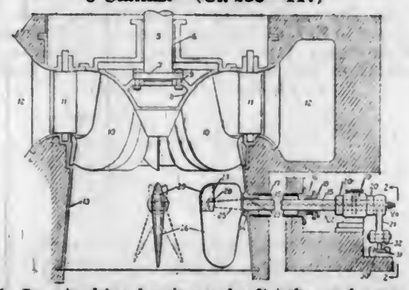
2. In a glass grinding apparatus, a rotatable grinding wheel composed of an organic binder having relatively hard abrasive particles bonded therein, a support for the wheel, means for abrading away the binder, together with foreign matter thereon, and exposing the abrasive particles in relief; said means including a feeder for supplying granular cutting material upon the surface of the wheel, a dressing member frictionally engageable with the surface of the wheel in response to rotation of the wheel, means for mounting the dressing member on the support and in frictional contact with the wheel whereby the granular material is frictionally agitated under the dressing member and upon the surface of the wheel.

2,244,479

ANTISWIRL DEVICE

Albert F. Anderson, San Francisco, Calif.

Application November 18, 1940, Serial No. 366,098
8 Claims. (Cl. 253—117)



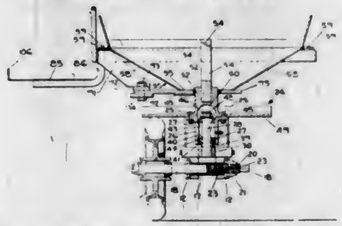
1. In a turbine having a draft tube and a runner positioned above the draft tube, the wall of the draft tube having an opening, forming a bearing, a shaft having one end journaled in the bearing, a self adjusting swirl preventing vane positioned in the draft tube and attached to the shaft, resilient means operatively associated with the vane and shaft for resisting the action of forces produced by the action of the water on the vane, tending to move the vane from a neutral position, the vane having the greater portion of its area below the axis of the shaft whereby it will turn in response to the action of water discharged from the runner of the turbine.

2,244,480

SPREADER

Franklin E. Arndt, Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company, a corporation of Ohio

Original application October 14, 1938, Serial No. 235,000. Divided and this application July 22, 1939, Serial No. 285,936
7 Claims. (Cl. 198—128)



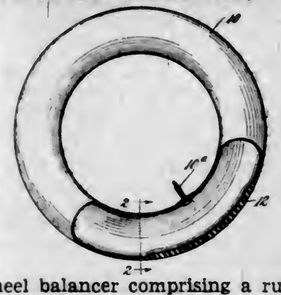
1. As an article of manufacture, a rotary spreading device having a plane frictional driving surface on its underside adapted to engage the periphery of a ground engaging driving wheel, said plate having integral with its upper side radial spreader fins circumferentially spaced with an axial projection integral with the central portion of the plate, said axial projection being provided with a recess non-circular in cross-section to serve as a socket for a material agitator and said plate being adapted to receive material while being rotated by the wheel periphery in a horizontal plane and carry such material between such fins until thrown by centrifugal forces from the periphery of the plate.

2,244,481

INNER TUBE

Earl H. Barder and Clarence E. Snyder, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application July 25, 1935, Serial No. 33,120
9 Claims. (Cl. 152—330)



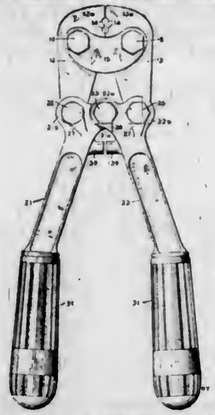
6. A wheel balancer comprising a rubber pad incorporated with an inner tube, said pad having a weight and being located so as substantially to offset unbalance of the wheel assembly in which said tube is used.

2,244,482

COMPRESSION JOINT TOOL

Donald L. Baxter, Rutherford, N. J., and John P. Reis, Hempstead, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application July 9, 1938, Serial No. 218,470
7 Claims. (Cl. 140—113)



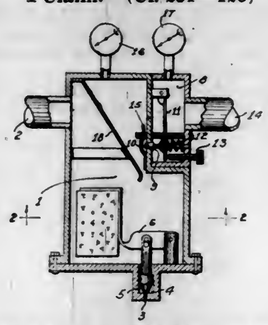
1. A tool for compressing an electrical conductor, comprising two levers each having a fulcrum and outer and inner lever arms, the outer lever arms comprising jaws having oppositely disposed complementary die portions for receiving said conductor, means extending between said levers for pivotally securing said levers at their fulcrums, said means causing the die portions to approach each other and compress the conductor received therein when the inner lever arms are rotated in a direction to cause the die portions to approach each other, two handles each having a fulcrum and a first lever arm, means pivotally connecting the fulcrums of said handles to said inner lever arms respectively, said handles each having a second lever arm, and means pivotally connecting the second lever arms of the handles together to form an over-travel toggle joint between the fulcrums of the handles, said levers and toggle joint acting to multiply the force exerted on the handles and cause a predetermined amount of pressure invariably to be exerted on the conductor by the die portions when the handles are operated to their working position for compressing the conductor, said toggle joint preventing pressure from being exerted on the conductor in excess of said predetermined amount by passing to its over-travel position as the handles are operated.

2,244,483

VALVE

Royal C. Bayne, St. Louis, Mo., assignor of twenty per cent to Edwin R. Wagner and forty per cent to Charles E. Cochran, both of St. Louis, Mo.

Application April 11, 1938, Serial No. 201,323
1 Claim. (Cl. 251—125)



In a separator device for feeding substantially moisture-free gas and comprising a chamber having a tapered gas inlet port having gas at high pressure delivered thereto and a gas outlet, a valve carrier, a spring pressed tapered valve insertable in said inlet port for normally closing said inlet port and connected to said carrier through a universal connection, means for pivotally mounting said carrier, and means independent of said carrier and said last-mentioned means and adjustable from without said chamber for limiting the opening movement of said valve to control the effective opening of said inlet port.

2,244,484

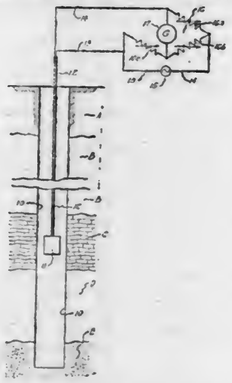
METHOD OF AND MEANS FOR ANALYZING AND DETERMINING THE GEOLOGIC STRATA BELOW THE SURFACE OF THE EARTH

Roland F. Beers, Dallas, Tex.

Application May 7, 1938, Serial No. 206,662
2 Claims. (Cl. 181—0.5)

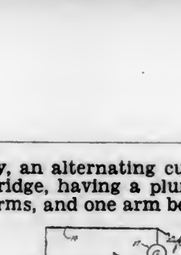
1. A system for making acoustic impedance measurements in a bore hole, which comprises an acoustic oscillator located in said bore hole for transmitting sound waves corresponding in frequency to that of the impressed alternating current, a source of alternating current of varia-

ble frequency, an alternating current impedance measuring bridge, having a plurality of variable impedance arms, and one arm being said acoustic



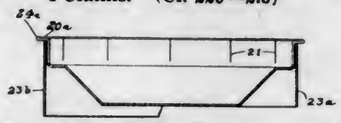
oscillator, whereby a group of acoustic impedance measurements may be made over a frequency range to determine the physical lithological properties of the formation around the bore hole.

2,244,485
REFRIGERATION APPARATUS
Samuel E. Bickle, Highland Park, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application May 10, 1939, Serial No. 272,872
3 Claims. (Cl. 62—89)



1. In a refrigerator including a cabinet having an upwardly extending wall, means defining an opening in the vicinity of the lower portion of said wall adapted to communicate with a condenser for allowing passage therethrough of warm air from said condenser, means defining in combination with said wall a stack adapted to conduct warm air from said opening vertically, said means comprising a first panel portion spaced from and extending generally in parallel relation to said upwardly extending wall, additional panel portions extending from said rear panel portion inwardly to a position adjacent to said vertical wall, means for fastening said additional panel portions to said wall, said panel portions being laterally shiftable to bring said rear panel portion inwardly with respect to said rear wall for reducing the space occupied to facilitate shipping, an additional panel portion arranged to extend from the lower extremity of said rear panel portion at an angle to the horizontal to a position adjacent said upwardly extending wall and means for attaching said additional panel portion at opposite extremities thereof to each of said inwardly extending panel portions for imparting rigidity to said stack.

2,244,486
MOLDED PULP ARTICLE
Merle P. Chaplin, Portland, Maine, assignor to Chaplin Corporation, South Portland, Maine, a corporation of Maine
Application November 30, 1936, Serial No. 113,308
4 Claims. (Cl. 229—2.5)

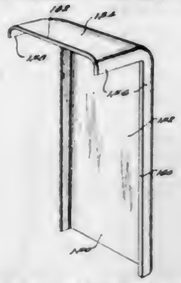


1. A fibrous container comprising a bottom, an outwardly and upwardly flared wall encompassing said bottom, a flange integral with said flared wall, said flange having slots extending from the edge thereof to points adjacent said flared wall and dividing the flange into spaced sections having reverse bends at the outer edge thereof and which sections when a tensioning member is applied thereto are drawn inwardly to a substantially vertical position wherein the open ends, at least, of the slots are substantially closed so that the flange portion presents a substantially unbroken outer supporting edge, a tension member for retaining said sections against outward movement, said tension member comprising a band of greater width than the overall height of the container, positioned to encompass said sections and to extend substantially beyond one end of the container for seating against the similar reversely bent edge portions of a duplicate assembly.

2,244,487
DIMETHYL ALPHA, ALPHA'-DIMETHYLDIHYDROMUCONATE
John William Croom Crawford, Frodsham, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application February 14, 1940, Serial No. 318,833
1 Claim. (Cl. 260—485)

Dimethyl alpha, alpha'-dimethyldihydromuconate.

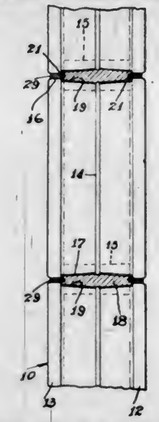
2,244,488
CABINET CONSTRUCTION
Leonard H. Darbyshire, Detroit, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois
Application February 4, 1937, Serial No. 124,076
1 Claim. (Cl. 220—9)



In a refrigerator cabinet, a metal casing, said casing comprising a pair of side panels having inturned portions at the top rigidly joined together to form the top of the casing, said panels having flanges along each edge thereof forming a portion of the front and rear walls of said cabinet, a rigid frame attached to the inside of the

flanges forming the front of said cabinet and bracing the upper portion of said panels, said frame also defining a door opening and providing a support for a door for said opening, a back panel attached to the flanges on the back side of said first mentioned panels and having an inturned flange extending between the opposite sides of the flanges on said first mentioned panels, a horizontal partition supported between said inturned flange on said back panel and the lower portion of said rigid frame, and an integral base member rigidly attached to the ends of said first mentioned panels and bracing said panel and supporting said cabinet.

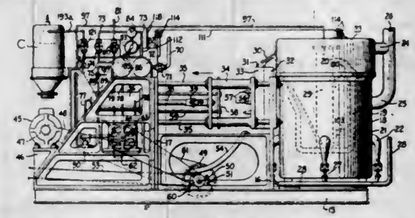
2,244,489
BLOCK MOUNTING
Daniel T. Downes, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application March 25, 1939, Serial No. 264,151
3 Claims. (Cl. 72—42)



1. A wall construction composed of glass blocks having peripheral shoulders providing channels about the peripheries thereof, said blocks being laid in horizontal superposed rows, a combined reinforcing and sealing bar being disposed between each pair of contiguous rows, said bars being formed of a fibrous material reinforced with a plastic substance and having metallic reinforcements embedded in the edge portions thereof, said bars being of a length sufficient to extend from side to side of the wall structure and being shaped to fit the edge contours of the blocks.

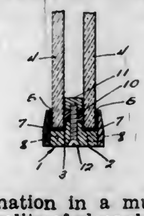
2,244,490
CASTING MACHINE
Daniel Doyen, Brussels, Belgium
Application October 27, 1938, Serial No. 237,191
In Belgium December 17, 1937
18 Claims. (Cl. 22—57)

4. In a device of the class described, a container for molten metal, separable moulds, fluid pressure actuated means to separate the moulds at selected times, a second fluid pressure actuated means cooperating with the container and the moulds to force molten metal to the moulds at selected times, a source of fluid pressure, and control means acting between the source of fluid pressure and the two fluid pressure actuated means to actuate the separable moulds and to force molten metal to the moulds in a selected sequence, and means being responsive to the variations in the level of the molten metal in the container to vary the amount of fluid pressure available to actuate the second fluid pressure



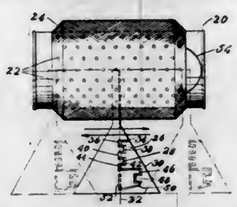
actuated means to maintain the quantity of molten metal forced to the moulds substantially constant.

2,244,491
MULTIPLE GLAZED UNIT
Oscar D. Englehart, Brackenridge, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application June 23, 1939, Serial No. 280,730
2 Claims. (Cl. 20—56.5)



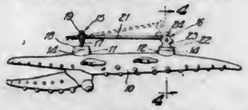
1. In combination in a multiple glazed unit, a frame, a plurality of glass sheets secured within the frame, rubber strips lying between the glass sheets adjacent the peripheries thereof, strips of rigid material superposed upon the rubber strips, and means drawing the rigid strips down upon the rubber strips compressing the rubber centrally and forcing it outwardly against the glass sheets.

2,244,492
PROCESS AND APPARATUS FOR YARN WINDING
George M. Karns, Williamsville, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 31, 1939, Serial No. 302,105
11 Claims. (Cl. 242—43)



1. The method of winding a continuous yarn on a supporting element for the production of a yarn cake which comprises winding a length of said yarn on that section of a yarn supporting element on which the wound cake is subsequently to be wound, then winding a length of said yarn on that section of the yarn supporting element which is to project beyond said wound cake, and then continuing the winding of the yarn on said first-named section of said supporting element to form said cake.

2,244,493
GLASS ORNAMENT WITH PIN AND METHOD OF MAKING THE SAME
Harold Lowenthal, New York, N. Y., assignor to Herbert & Pohs Inc., New York, N. Y., a corporation of New York
Application January 13, 1941, Serial No. 374,159
5 Claims. (Cl. 63—20)



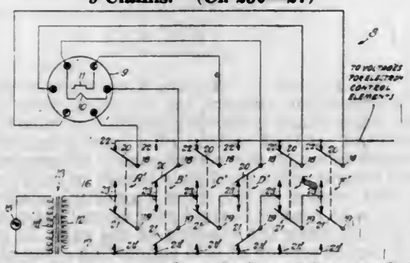
1. An ornamental article to be worn upon outer garments comprising a light transmitting body having a flat pin anchorage surface, a metal pin provided with a flat light transmitting attaching base, and an adhesive bond rigidly connecting the attaching base to the pin anchorage surface.

2,244,494
GOVERNOR AND GENERATOR FOR WIND CHARGING DEVICES
Frank A. Mahaney, Sioux City, Iowa
Application August 5, 1937, Serial No. 157,577
1 Claim. (Cl. 188—185)



A governing device for wind-driven propellers including an annular housing, braking means attached to the propeller shaft, means for causing said braking means to be thrown outwardly centrifugally as the shaft is rotated, said braking means frictionally contacting said annular housing to decrease the speed of rotation of said shaft, said braking means including a pair of opposed arcuate members including radially extending cylindrical members attached thereto, plungers attached to the shaft received within said cylindrical members, said cylindrical members having cross arms attached thereto, a pair of springs attached between said cross arms for normally holding said braking members against braking action, means for adjusting tension of said springs attached to and said cross arms, said adjusting means being attached at only diagonally opposite sides of said cross arms both vertically and laterally to provide non-binding adjustment to said braking surfaces.

2,244,495
TUBE TESTING SYSTEM
Harold P. Manly, Wilmette, Ill., assignor to Charles P. Peirce, Evanston, Ill.
Application March 22, 1940, Serial No. 325,325
9 Claims. (Cl. 250—27)

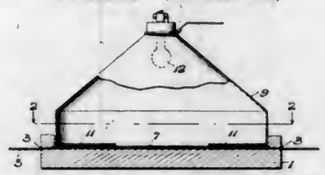


1. Testing means for electric valves and the like having a plurality of terminals in different arrangements comprising, in combination, means providing a plurality of terminals adapted to be engaged by the terminals of said valves and the like, switch means individual to each of said terminals of said terminal providing means for selectively connecting the same to the terminals of a current source, and circuit means interconnecting said switch means in such manner that no combination of positions thereof will cause short circuiting of said current source.

2,244,496
FUEL FOR COMPRESSION IGNITION ENGINES
Ernest M. Marks, Lansdowne, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application June 1, 1938, Serial No. 211,208
2 Claims. (Cl. 44—9)

1. A compression ignition fuel comprising fuel oil boiling above the gasoline boiling range and a compound from the group consisting of diamylene nitrosite and diamylene nitrosate, said compound being present in an amount sufficient to substantially increase the cetane number of the fuel oil.

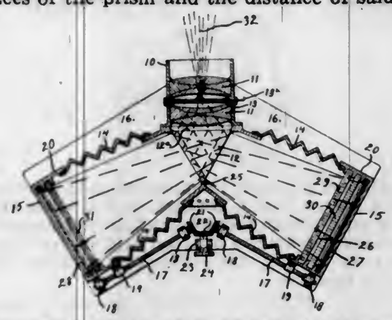
2,244,497
RECORDING DEVICE
Joseph T. McNaney, Baltimore, Md.
Application September 27, 1939, Serial No. 296,798
7 Claims. (Cl. 234—60)



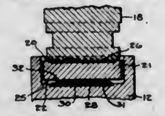
7. In a meter-reading recording system, a light source, means for supporting photo-sensitive material in a position to be exposed to light from said source, rotatable masking means interposed between the source and the supporting means, the masking means having a plurality of series of openings therethrough, the openings of each series being shaped, respectively, like the numerals 1, 2, 3, 4, 5, 6, 7, 8, 9, 0, each series, beginning with the first series, being located at a slightly greater distance from the center of rotation than the preceding series, and means for limiting the light to a single opening of a given series whereby, when the light is caused to intermittently shine at predetermined instants during a single revolution of the masking means, a series of numerals may be imprinted upon photo-sensitive material in position on the supporting means.

2,244,498
OPTICAL COLOR SEPARATION MEANS
James J. Miratsky, Omaha, Nebr.
Application March 18, 1939, Serial No. 262,613
2 Claims. (Cl. 95—2)

1. In a device of the class described, the combination of a camera having a lens with a prism adjacent the rear side of the lens in spaced relation therewith and adapted to receive an image projected by the lens on the front side thereof, the width of said front side of the prism being greater than the aperture of the lens, divergent bellows operably connected with the lens and prism, suitable negatives adjacent the open ends of the respective bellows, the planes of the emulsion sides of the respective negatives being substantially parallel with the respective adjacent faces of the prism and the distance of said negatives from the respective faces of the prism being the same, baffle means along the apex of the prism adapted to prevent reflection of light from one side to the other, and means for synchronously adjusting the respective bellows relative to the distance of the negatives from the prism.

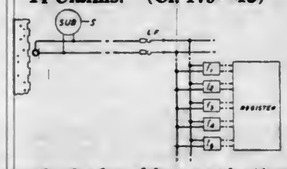


2,244,499
ROLLING MILL
Myles Morgan, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application July 25, 1938, Serial No. 221,061
5 Claims. (Cl. 80—56)



1. A rolling mill comprising a slidably mounted roll-neck bearing, a rotatable screw having one end located adjacent the bearing, a block engaging the end of the screw, means on the bearing arranged to prevent the block from turning as the screw is rotated, and a plate located between the bearing and the block, the block and the plate having adjacent surfaces shaped to contact along a line extending transversely of the axis of the bearing, the axes of the screw and bearing being substantially perpendicular and in a common plane.

2,244,500
TELEPHONE SYSTEM
Harry Nyquist, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 30, 1938, Serial No. 232,519
14 Claims. (Cl. 179—18)



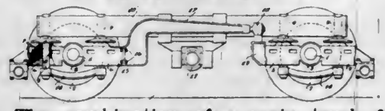
1. The method of making a selection at a distant point which consists of simultaneously transmitting to such point intelligence signals in a signaling code in which each signal is characterized by an invariable proportion of the same number of different frequencies.

2,244,501
HYDRAULIC SNUBBING DEVICE
Raymond C. Pierce, Chicago, Ill.
Application March 31, 1939, Serial No. 265,083
20 Claims. (Cl. 188—88)



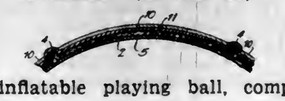
1. In a hydraulic snubbing device, a liquid filled cylinder, a piston operable therein and comprising a piston head with a valve, a sub-cylinder, a sub-piston and resilient means between said subpiston and said valve, plunger means associated with said piston and said cylinder and operable by relative movement thereof to force liquid into said sub-cylinder and move said subpiston to compress said resilient means and restrict the opening of said valve to control said movement, and means associated with said subcylinder and automatically operable to release liquid therefrom, permitting reverse movement of said subpiston as said resilient means expands, thereby freeing said valve of said restriction.

2,244,502
RAIL TRUCK
Emil H. Piron, New York, N. Y., assignor, by mesne assignments, to Transit Research Corporation, New York, N. Y., a corporation of New York
Application May 31, 1935, Serial No. 24,190
22 Claims. (Cl. 105—135)



1. The combination of a main truck frame comprising axle housings, and members connecting said housings, each of said members being composed of two articulated parts with the outer ends thereof rigidly secured to said housings to constitute torque arms for both of said housings, a secondary frame comprising side rails and supporting a pair of motors, a swing bolster swung from said secondary frame and carrying a center pin member, and springs for supporting said secondary frame from said main frame.

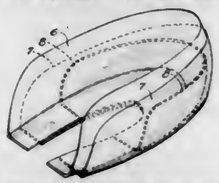
2,244,503
PLAYING BALL
John T. Riddell, Chicago, Ill.
Application August 17, 1938, Serial No. 225,319
4 Claims. (Cl. 273—65)



1. An inflatable playing ball, comprising a

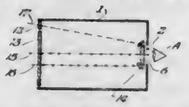
fabric carcass made up of a plurality of body sections marginally stitched together with outstanding seams, means impregnating and covering said seams to form solid ridges, and an outer wear-resisting casing of sheet material comprising panels cemented upon and conforming to the surface areas of the carcass bounded by said ridges, the edges of said panels abutting against the sides of said ridges.

2,244,504
ATHLETIC SHOE COUNTER
John T. Riddell, Chicago, Ill.
Application August 9, 1939, Serial No. 289,220
3 Claims. (Cl. 36—68)



1. An athletic shoe counter comprising nested inner and outer members preformed from stiff material to conform to the shape of the heel portion of a shoe upper, the outer member having side portions of less height than the inner member, and a reinforcing member of a shape similar to said inner and outer members and formed from metal interposed between the said inner and outer members, said members being nested in use as a shoe heel-portion reinforcing unit.

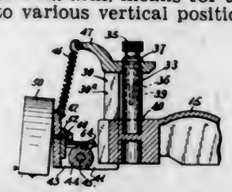
2,244,505
FINDER FOR PHOTOGRAPHIC PURPOSES
Hans Sauer, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application September 10, 1938, Serial No. 229,299
In Germany September 21, 1937
1 Claim. (Cl. 88—1.5)



A finder for photographic purposes, including a casing provided at one end with a field opening and at the other end with an ocular opening, light polarizing means closing said field opening and comprising two polarizing foils mounted in the same plane with their polarizing planes at a right angle to each other, one of said polarizing foils forming the picture area of said finder and the other a picture boundary frame surrounding said picture area, a plano-convex ocular lens at said ocular opening, the center portion of said ocular lens being biplanar for permitting an observation of the picture appearing in the picture area in natural size, and an annular polarizing filter in front of the marginal convex face of said ocular lens, the polarizing plane of said annular polarizing filter being parallel with respect to the polarizing plane of the filter forming the picture boundary frame.

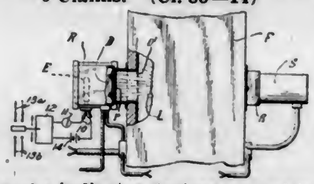
2,244,506
TRACKING MECHANISM CUTTER FOR PORTABLE OR STUDIO RECORDING
Joseph Staszkiewicz, Brooklyn, N. Y.
Application September 14, 1940, Serial No. 356,779
12 Claims. (Cl. 274—1)

1. In a tracking mechanism cutter for portable or studio recording, a horizontal arm adapted to be moved across a turn table for a record, a bracket vertically adjustably mounted on the outer end of said arm, means for adjusting said bracket into various vertical positions, a cutting



head support pivotally mounted on said bracket, resilient means acting between said bracket and cutting head support for supporting said support, and means cooperative between said support and bracket for holding the support in a raised inoperative position.

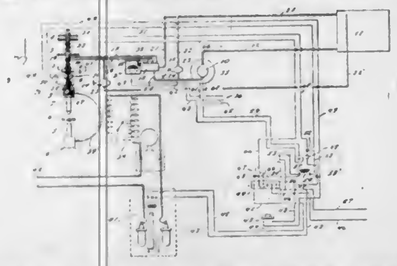
2,244,507
SMOKE INDICATOR DEVICE
Henry Thomas, Elizabeth, N. J.
Application March 6, 1939, Serial No. 260,011
6 Claims. (Cl. 88—14)



1. In smoke indicator devices comprising a radiation sensitive means, a source of radiation of substantially constant intensity, means sustaining the said radiation sensitive means and the said source of radiation adjacent aligned openings in opposite sides of a smoke flue and an electrical circuit including said radiation sensitive means, a source of electrical energy, and an adjustable means for controlling the energization of external electric control circuits at determined maximum and minimum limits of current intensities in said electrical circuit, the method of obtaining desired adjustment of said adjustable means which comprises reducing the intensity of the beam of radiation falling on said radiation sensitive device to that approximating the intensity produced by the maximum permissible smoke density in the flue, adjusting the said adjustable means to be actuated by the electrical energy thereby induced in said radiation sensitive device, reducing the intensity of said beam of radiation falling on the said radiation sensitive device to that approximating the intensity produced by the minimum permissible smoke density in the flue and adjusting the said adjustable means to be actuated by the electrical energy thereby induced in the said radiation sensitive device, and then restoring the intensity of the said beam of radiation to its original intensity and maintaining the same substantially constant during the passage of smoke gases through the said flue.

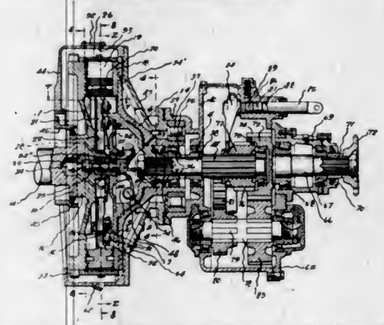
2,244,508
ELECTRIC WELDING APPARATUS
Edmund J. von Henke and Arthur A. Grothe, Chicago, Ill., assignors to American Electric Fusion Corporation, Chicago, Ill., a corporation of Illinois
Application November 13, 1939, Serial No. 304,028
13 Claims. (Cl. 219—4)

1. An electric welding apparatus comprising a stationary and a movable electrode, a piston having a head, a ram slidably mounted on said piston and connected to said movable electrode, a spring opposing the movement of said piston away from said stationary electrode, means limiting movement of the piston towards the sta-



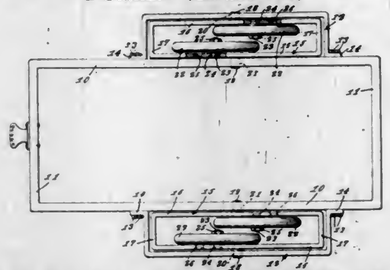
tionary electrode, means to supply hydraulic pressure selectively to opposite sides of said piston, whereby said ram may be moved in either direction on the piston to move the movable electrode toward or away from the stationary electrode, and means limiting movement of the piston against the action of the spring.

2,244,509
HYDRAULIC TRANSMISSION
Fortunato Ajero, Detroit, Mich., assignor of one-fourth to Alfred J. Moran, Detroit, Mich.
Application May 18, 1939, Serial No. 274,377
6 Claims. (Cl. 192—60)



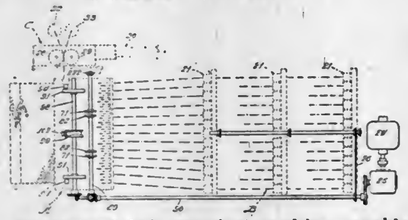
1. In an hydraulic transmission of the class described: a driving shaft; a hub mounted on said driving shaft concentrically thereof and rotating in unison therewith; a plurality of spaced cylinders arranged circumferentially about said hub and carried thereby and opening at their inner ends into a common space, said hub having a radially directed pocket formed in alignment with each of said cylinders; a piston slidably mounted in each of said cylinders; a piston rod connected to each of said cylinders and connected inwardly therefrom and slidably engaging at its end in a pocket in said hub, said cylinders being adapted for the reception of liquid; a conduit for connecting the outer ends of oppositely disposed cylinders in communication with each other; a valve interposed in said conduit for controlling communication of the outer ends of oppositely disposed cylinders with each other; a transmitting shaft; a swash drum mounted on said transmitting shaft and rotatable in unison therewith; a cam on said swash drum; and means carried by each of said piston rods engageable with said cam for effecting a reciprocation of said pistons upon rotation of said driving shaft.

2,244,510
ROCKER WHEEL ASSEMBLY
John Anderson, Funk, Nebr.
Application April 15, 1940, Serial No. 329,767
1 Claim. (Cl. 280—80)



In a farm vehicle, the combination with a longitudinal frame bar of the vehicle, of a stationary frame secured to the longitudinal bar, said frame being narrow and elongated longitudinally of the vehicle frame bar, a narrow elongated rocking frame disposed within the enclosure of the stationary frame and comprising longitudinal bars extending longitudinally of the stationary frame and transverse end bars disposed adjacent to the ends of the stationary frame, pivot shafts disposed centrally of and aligned transversely of the longitudinal bars of the rocking frame received respectively in an opening formed in the stationary frame and in the longitudinal bar of the vehicle frame and mounting the rocking frame in the stationary frame on a horizontal axis of rotation, stub axles fixed to respective longitudinal bars of the rocking frame and extending transversely of the rocking frame, the stub axles being disposed on opposite sides of the axis of the aligned pivot shafts of the rocking frame, staggered ground wheels carried by respective stub axles, and nuts on the free ends of the stub axles removably securing the ground wheels to the stub axles, the stationary frame and the rocking frame forming fenders to deflect plants away from the ground wheels.

2,244,511
FILLER WIRE SUPPLY MEANS
Louis B. Berg, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application November 7, 1938, Serial No. 239,236
3 Claims. (Cl. 140—3)



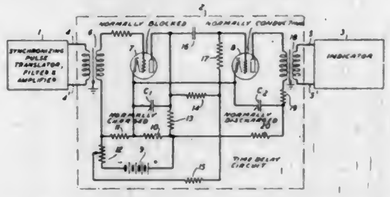
1. In a wire fabric weaving machine capable of producing fabric composed of a plurality of generally parallel evenly spaced filler wires of elongated cross-section disposed with their major surfaces at an angle to the plane of the fabric, and a plurality of pairs of warp wires embracing said filler wires and fastening the same in place, said machine comprising means for guidably receiving flat filler wires injected from the side of said machine and for holding the same at a predetermined angle to the plane of the fabric,

means for feeding said warp wires about said filler wires and manipulating the same to produce a shed for the reception of laterally injected flat filler wires, means for operating said shed-forming means, the combination therewith of a flat wire rolling mill for receiving round wire rolling the same and injecting the same into said guide means, power means for operating said rolls, control means for initiating the operation of said power means, said control means being connected in driving relationship with said means for operating said shed-forming means whereby to operate the latter in sequence with the operation of said roll operating means, means for maintaining said roll operating means in operation following said initiation of its operation, means operable in accordance with the length of flat wire rolled and injected into said guide means for limiting the extent of operation of said roll operating means by releasing said maintaining means.

2,244,512
PREPARATION OF ALIPHATIC-AROMATIC SULPHONATES
Robert Louis Brandt, New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application March 4, 1939, Serial No. 259,792
18 Claims. (Cl. 260—505)

1. A process of preparing detergent aromatic sulphonic acid derivatives which comprises reacting an aromatic compound with an aliphatic compound containing at least six carbon atoms and having at least one radical of the group consisting of olefine, halogen and hydroxy radicals and with a sulphonating agent, at least the sulphonation reaction being conducted while the organic material is dissolved in a solvent comprising liquid sulphur dioxide as the major constituent, and neutralizing the alkylated aromatic sulphonic acid product.

2,244,513
SWEEP CIRCUIT FOR CATHODE RAY OSCILLOGRAPH
Everett T. Burton, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 15, 1937, Serial No. 179,872
5 Claims. (Cl. 171—95)



2. In a device for indicating any desired portion of a transient surge having a means for initiating an electrical pulse in a fixed time relationship with the commencement of said surge, adjustable delay means cooperating with said initiating means adapted to delay the transmission of said pulse for a predetermined and adjustable period of time, an indicating means having a sweep circuit as a part thereof adapted to receive said delayed pulse and to be thereby started in operation, and means for adjusting the sweep velocity produced by said sweep circuit.

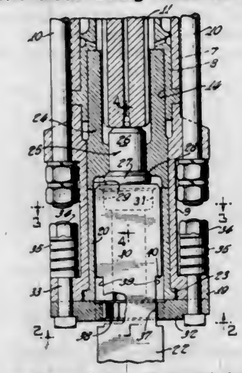
2,244,514
COMPUTING DEVICE FOR MENSTRUATION CYCLES
John Cwiekalo, Iselin, N. J.
Application July 25, 1939, Serial No. 286,336
2 Claims. (Cl. 40—113)



1. A computing and recording device for sterile and fertile periods, comprising a flat body having an opening, a movable member movably mounted behind said body and having areas selectively alignable with said opening and each imprinted with the name of different month, a circular area on the front of said flat body and imprinted with 31 equal spaces representing 31 days and consecutively numbered from 1 to 31, and a disc coaxially rotatively mounted on the front of said flat body and having an outer area imprinted with equal spaces consecutively numbered from 1 to 31 and alignable with said previously mentioned spaces, and areas on said disc adjacent said equal spaces imprinted with sterile periods and fertile periods for a menstruation cycle, means for supporting said disc upon said body so that it may be interchanged with other discs supplied with said device, comprising a stud extending through said disc and flat body, resilient means adjacent the back face of said body for urging the head of said stud into face contact with said disc, and a bayonet shaped tab formed in said disc adjacent the opening in said disc through which said stud extends and bendable out of the plane of said dics forming a space through which the head of said stud may be passed for freeing said disc.

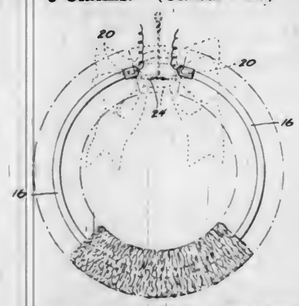
2,244,515
HOLDER FOR IMPACT TOOLS
Arthur C. Davis, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application August 31, 1938, Serial No. 227,606
6 Claims. (Cl. 279—19.3)

1. In a percussive tool, a front head, a one-piece chuck rotatably mounted in said front head, means preventing axial movement of the chuck relative to the front head, said chuck having a polygonal opening to receive a working tool, an anvil block positioned to transmit impacts to said working tool, and means independent of said chuck for supporting said anvil block, said supporting means comprising an anvil block bushing rotatably mounted in said front head and having a sliding fit with the rear portion of said anvil block, said chuck having a circular recess at its rear end adapted to receive the front portion of said anvil block, said recess being of larger diameter than the maximum diameter of said anvil block, whereby to prevent engagement between the chuck and the periphery of the anvil block, said chuck being removable from the front head by movement in a forward direction and said anvil block being removable from the



anvil block bushing by movement in a forward direction.

2,244,516
ORNAMENT
Charlotte K. Davis, New York, N. Y.
Application May 10, 1938, Serial No. 206,989
3 Claims. (Cl. 240—10)



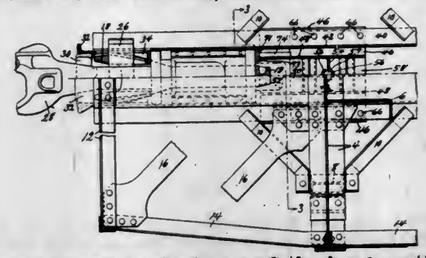
3. An ornament comprising an elongated electric lamp of desired configuration, a decorative cover therefor, said cover being composed of a plurality of strips of light transmitting material secured together longitudinally at two points forming an elongated pocket receiving said lamp, said strips being twisted about said lamp forming spiral convolutions.

2,244,517
ALLOY
Anthony G. de Golyer, New York, N. Y.
No Drawing. Application August 29, 1940, Serial No. 354,707
2 Claims. (Cl. 75—171)

1. A cast alloy comprising as essential elements: boron 0.25% to 2.50%, tungsten 5% to 20%, molybdenum 1% to 15%, chromium 1% to 10%, iron 5% to 40%, carbon up to a maximum of 0.75%, the balance cobalt, except for minor amounts of incidental impurities; said cast forms being characterized by being responsive to thermal treatment for the regulation of hardness.

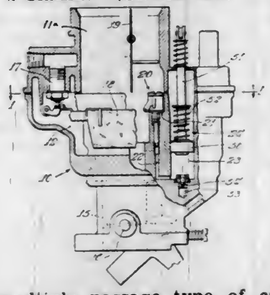
2,244,518
BOLSTER CENTER FILLER AND DRAFT GEAR STOP
William F. Dietrichson, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application May 1, 1940, Serial No. 332,669
22 Claims. (Cl. 105—420)

1. In a car underframe including a continuous channel shaped center sill having spaced apart webs and bolster members secured to the center sill inwardly of its end, draft gear back stops secured to the sill webs, and bracing means se-



cured to said back stops and the head portion of said center sill but arranged in spaced relation to the center sill webs whereby to reduce transmission of local strains directly from said back stops to said center sill webs.

2,244,519
CARBURETOR
John R. Emerson, Flint, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application February 23, 1939, Serial No. 257,881
2 Claims. (Cl. 261—23)

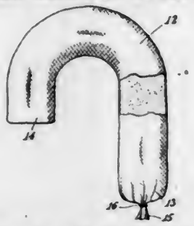


1. In a multiple passage type of carburetor including means defining a single upper passage, means defining a plurality of individual lower passages in communication with said single passage, and means defining main fuel nozzles cooperating with said individual passages, the combination therewith of means defining a cluster jet for delivering separate streams of enriching fuel above each of said individual passages from a single supply passage in communication with said cluster jet, said cluster jet comprising a centrally orificed nozzle body terminating in the upper portion thereof in an enlarged chamber, outwardly and downwardly diverging protuberant nozzles formed on said body having passages therethrough communicating with said chamber, a closure member for said chamber comprising a head for engagement with the outer peripheral wall of said chamber and having a depending reduced stem portion extending through said central orifice and formed with a concentric passage extending partially therethrough and converging in a cross passage within said chamber, the lower end of said stem being threaded for connection with said single passage defining means.

2,244,520
PERCOLATOR CARTRIDGE
Rose Ferrante, New York, N. Y.
Application August 23, 1939, Serial No. 291,467
2 Claims. (Cl. 99—77.1)

2. A crook-shaped cartridge for percolators

having a closed short and a longer open end, the edge of the latter end being drawn together for closing it, said cartridge being adapted to be



curved for use to substantially the form of a spiral and wherein the ends of the cartridge substantially overlie one another.

2,244,521

HYDROCARBON OIL REFINING

Seymour W. Ferris, Aldan, and Edwin R. Birkhimer, Philadelphia, Pa., assignors to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application August 23, 1935, Serial No. 37,504

5 Claims. (Cl. 196—13)

5. The process of refining mineral oils which comprises extracting the oil with a selective extraction solvent forming a raffinate phase and an extract phase each of which contains selective extraction solvent, separating the phases, effecting contact between one phase and a low boiling alcohol thereby forming a phase predominantly oil and a phase predominantly solvent, and separating the oil phase from the solvent phase.

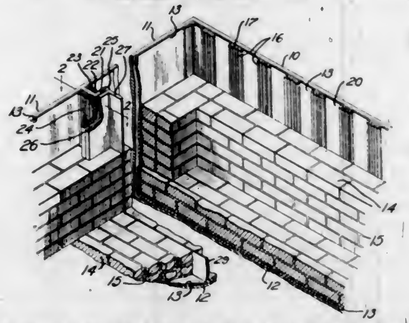
2,244,522

TANK CONSTRUCTION

Howard E. Fritz, Barberton, and John R. Hoover, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application July 13, 1938, Serial No. 218,936

1 Claim. (Cl. 220—63)



A container tank adapted to hold liquid at variable high temperatures, said tank comprising a rigid supporting structure having extensive inner wall surface, a layer of rubber-like material secured to an inner face of said structure covering substantially the entire inner surface thereof, an extensive masonry wall of brick and cement spaced from said layer of rubber-like material and arranged to provide a protective wall for insulating said layer of rubber-like material from high temperatures within the container and to protect such layer from abrasion, the spacing being effective to accommodate extensive relative movement under temperature changes of the masonry wall material with respect to said supporting structure, and cushioning strips of rubber-like material disposed in said spacing with intervening spaces between said strips, said strips being adhesively secured to the face of the rubber-like lining and bridging the space between said rubber-like lining and masonry wall, said strips being distributed extensively over the area of said masonry wall to support the same in the spaced apart relation from said layer of rubber-like material and to accommodate the relative expansion and contraction of said wall and said supporting structure.

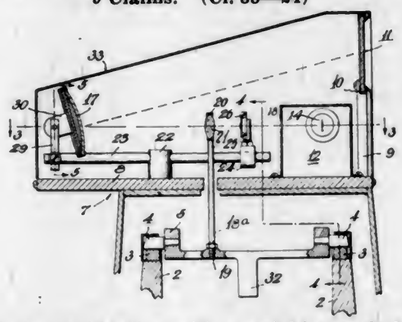
2,244,523

INDICATING MECHANISM FOR WEIGHING SCALES

Emerson Eugene Hess, Powell, Ohio

Application April 7, 1939, Serial No. 266,614

9 Claims. (Cl. 88—24)



1. In combination with a weighing scale having a movable member, a screen, a light source, a convex reflector for deflecting a beam of light onto said screen, light intercepting means disposed between said light source and said reflector for normally casting a shadow across the center of said mirror to be reflected thereby onto said screen, and a double convex lens supported by the movable member of the scale between the light intercepting means and the reflector, the shadow caused by said intercepting means normally passing through the center of said lens, movement of the lens laterally with respect to the shadow serving to refract the shadow as it passes through the lens and cause movement of the shadow on the reflector and screen, the convexity of the mirror serving to multiply the movement of the shadow on said screen.

2,244,524

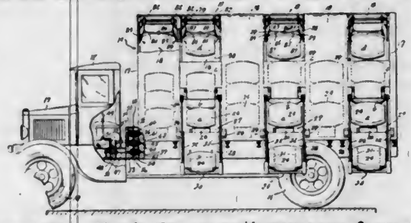
AUTOMATIC SELF LOADING AND UNLOADING TRUCK

Henry C. Lima, Flushing, N. Y.

Application November 3, 1939, Serial No. 302,644

14 Claims. (Cl. 214—75)

1. In a beer truck including a motor, a body having a plurality of transversely extending keg containing spaces therein, there being a discharge opening upon each space through a side wall of the body, a cradle for each opening hinged to the body and swingable downwardly and outwardly from the opening to carry a keg to an accessible position outside the body, a conveyor in each space to deliver kegs to the cradle, tracks in the spaces adjacent the tops thereof, a hoist and carrier in each space operable through the side of the body above the cradle, each hoist and carrier comprising a carriage movable across the body on said tracks and tongs to grip the kegs, cables for operating the tongs to lift the kegs, guide pulleys for the cables on the carriage, cables for moving the carriage in opposite direc-



tions across the body, operating means from the motor to the cradle, the conveyor and the cables for operating the carriage and tongs, and manually operable means for controlling said operating means.

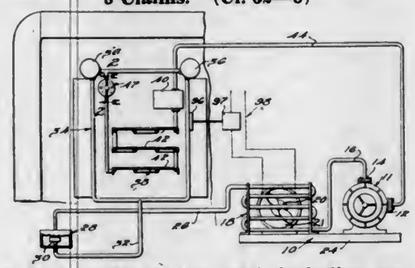
2,244,525

REFRIGERATING APPARATUS

Peter B. Loomis, Birmingham, Mich., assignor to Borg-Warner Corporation, a corporation of Illinois

Application December 24, 1936, Serial No. 117,432

3 Claims. (Cl. 62—8)



2. In a refrigerating unit including an ice freezing compartment and a food cooling compartment, a two-section evaporator comprising a first section located in said freezing compartment and a second section located in said food cooling compartment, means connecting said first section with said second section, said means being particularly characterized by the provision of manually adjustable pressure governing means for controlling the pressure in said evaporator sections, whereby said system is convertible at will from or to a single temperature system into or from a two temperature system and means for supplying said first evaporator with liquid refrigerant and for removing vaporous refrigerant from said second evaporator section.

2,244,526

PROCESS OF TREATING METAL SURFACES

Cecil James MacKay, Montreal, Quebec Canada, assignor to Rust Proofing Company of Canada, Limited, Montreal, Quebec, Canada, a corporation of Canada

No Drawing. Application August 14, 1935, Serial No. 36,217. Renewed July 14, 1939. In Canada November 1, 1934

11 Claims. (Cl. 148—6)

7. A process of coating articles of iron, copper, aluminum and alloys of each of them, which comprises fusing together a mixture of alkali metal compounds including alkali metal nitrate as the essential ingredient together with alkali metal hydroxide and manganese dioxide, the resulting mass being in the molten state reactive with the metal treated to produce a coating thereon, and subjecting the articles to the action of the molten mass.

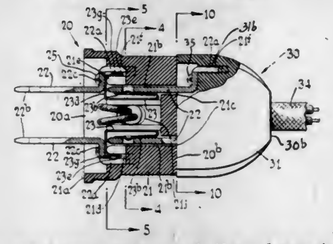
2,244,527

CURRENT-TAPPING CAP-PLUG FITTING AND THE LIKE ATTACHMENT DEVICES

John Petry, Flushing, N. Y., assignor to Raylite Trading Co., Inc., a corporation of New York

Application November 5, 1940, Serial No. 364,392

8 Claims. (Cl. 173—334)



1. An electrical fitting of the character described comprising a rigidly molded body and terminal contact blade members mounted to extend therefrom, said body having an opening extending in from one side thereof and parallelly aligned sockets spaced from said opening extending in from another side of said body, said sockets having under cut pockets at their inner ends, a conductor wire passing through said opening and electrically connecting with the blade members, said blade contact members having expandable bases each being decreased in cross-sectional area at a mid-portion to enlarge an end thereon fitted into said sockets, camming means forming part of the walls of said sockets for engaging and expanding said base ends so constructed and arranged that said expanded contact end portions grip the ends of said bases beyond the mid-portions thereof occupying said pockets for irremovably anchoring the blade members in rigid mounted positions.

2. In an electric fitting of the character described, a spring contact current carrying member formed of a strip of material bent into a right triangular shape structure with one side thereof disconnected from the adjacent side at a corner, and a flange formed from an edge portion of one of said sides at the corner, said flange and the disconnected adjacent side forming a clamp retaining means for resiliently engaging therebetween a body portion of the fitting while two adjacent sides of the structure may be flexed with respect to the remaining side.

2,244,528

REMOTELY CONTROLLED SELF-PROPELLED TOY

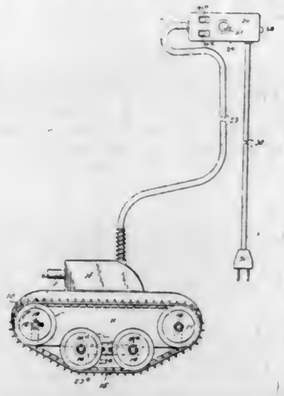
Frederick P. Schur, Chicago, Ill.

Application September 4, 1940, Serial No. 355,347

5 Claims. (Cl. 46—210)

1. A remotely controlled self-propelled toy comprising a vehicle, propelling means therefor, including two reversing electric motors mounted in the vehicle, two driving wheels, one only located on each side of the vehicle, and each driven independently of the other by a motor, idler wheels on both sides of the vehicle, and traction belts, one trained around each driving wheel and its associated idler wheels, a remotely located portable switch casing, two double throw reversing switches mounted in said casing, two

sets of flexible conductors, each connecting contacts of one switch with a motor whereby both motors are run forwards or backwards or either



motor is run in a direction reversely with respect to the other in accordance with the setting of the switches, and an extension cord connected to contacts of both switches.

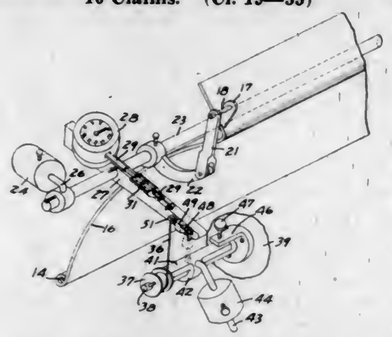
2,244,529

CONTROL APPARATUS FOR COTTON GINS

Eugene H. Brooks, Dallas, Tex., assignor to Continental Gin Company, a corporation of Delaware

Application July 24, 1939, Serial No. 286,139

10 Claims. (Cl. 19—55)



1. In a control apparatus for cotton gins, a roll box having a section mounted for movement responsive to pressure of the roll thereagainst, variable means to resist movement of the movable section, means to transmit movements of the movable section to the resisting means whereby the latter is given a movement of greater magnitude than the movable section, and means interposed between the resisting means and the movable section to indicate the force exerted by the roll in effecting movement of the movable section.

2,244,530

LOW LEVEL WATER CLOSET

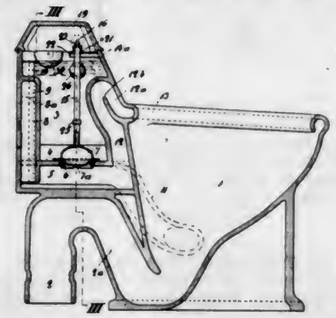
Oscar Gösta Carlsson, Stockholm, Sweden

Application March 22, 1939, Serial No. 263,341

In Sweden March 30, 1938

3 Claims. (Cl. 4—14)

1. In a low-level water closet structure comprising a closet bowl, a flushing tank integral with said bowl, and manually operable flushing means to effect flushing of the bowl proper and of the rim portion thereof by separate jets of flushing water, the combination of a receiver chamber for flushing water on a level intermediate the bottom of said bowl and the rim portion thereof, an inverted U-passage extending upwardly from said receiver chamber and discharging downwardly into the rim portion of



said bowl and having its apex section located in its entirety above the level of the bowl rim and below the water level of the flushing tank when filled, and a second inverted U-passage extending upwardly from said receiver chamber and forming a siphon by discharging downwardly into the bowl proper through an exit below the level of said receiver chamber and having its apex section located in its entirety above the level of the bowl rim and below the water level of the flushing tank when filled.

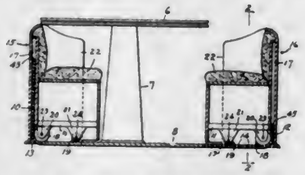
2,244,531

DISAPPEARING CHAIR

Eugene E. Elder, Los Angeles, Calif., assignor to Mildred H. England, Hollywood, Calif.

Application June 29, 1939, Serial No. 281,797

10 Claims. (Cl. 155—124)



3. In combination, a table, a chair movable to and from the table, a guide for the chair extending laterally from the table outward to define a path of movement of the chair, roller means on the chair disposed to roll on the guide, the guide being flexible, and means to direct the flexible guide upward within the chair when the chair is moved toward the table.

2,244,532

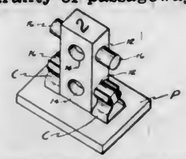
FUSE HOLDER

Charles H. Fenske, Jr., Los Angeles, Lewis E. Massie, Venice, and Frank A. Harrington, Inglewood, Calif., assignors to Douglas Aircraft Company, Incorporated, Santa Monica, Calif.

Application April 24, 1939, Serial No. 269,674

13 Claims. (Cl. 200—133)

2. A fuse holder comprising a unitary block of resilient material, a plurality of passageways through said block adapted to receive and retain fuses and a plurality of passageways intersecting



said first passageways and serving as windows to view the condition of the fuses.

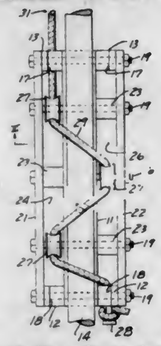
2,244,533

CLAMP

Frank N. Fletcher, Valdosta, Ga., assignor of one-half to William G. Eager, Valdosta, Ga.

Application August 26, 1940, Serial No. 354,320

3 Claims. (Cl. 294—74)



1. A device of the character described, comprising an elongated frame for receiving a piece of work, bearings spaced along the length of the frame on the sides thereof, rollers on said bearings, and a flexible element having one end secured fast to the device and passing over the work and under the rollers to clamp the work to the frame responsive to lifting force being applied to the other end of said flexible element.

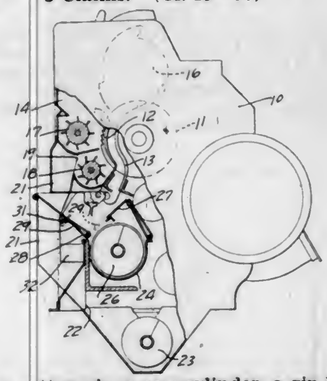
2,244,534

HULLER GIN

Thaddeus S. Grimes, Columbus, Ga., assignor to Lummus Cotton Gin Company, a corporation of Georgia

Application August 4, 1940, Serial No. 351,393

3 Claims. (Cl. 19—56)



1. In a cotton gin, a saw cylinder, a gin breast, sets of spaced huller and gin ribs in the breast, a relatively narrow hull discharge spout at the front of the gin breast, a seed discharge opening between the huller and gin ribs, a seed conveyer disposed to receive the discharged seeds, and valve means for diverting the seeds past the seed conveyer and the hull discharge spout out of the front of the gin.

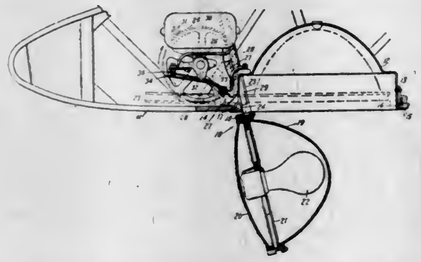
2,244,535

LANDING LIGHT FOR AIRPLANES

Warren G. Grimes, Urbana, Ohio

Application August 16, 1937, Serial No. 159,263

20 Claims. (Cl. 240—7.7)



1. A landing light mechanism for an airplane, comprising in combination with a light fixture having means for movably mounting the same on a wing of said airplane, a motor, means driven by said motor for actuating said fixture, and means actuated by said motor in accordance with the movement of said fixture to interrupt said movement when said fixture has been moved to a predetermined position.

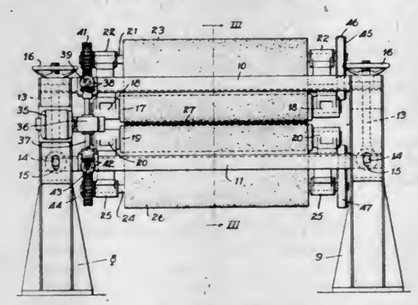
2,244,536

APPARATUS FOR AND METHOD OF SURFACING METALS, ETC.

Henry R. Herchenrider, Pittsburgh, Pa., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

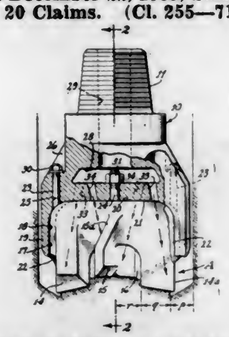
Application October 30, 1937, Serial No. 171,961

14 Claims. (Cl. 51—150)



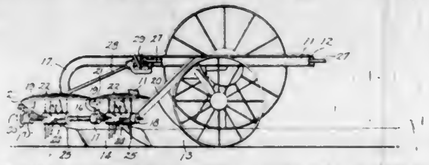
8. The method of surfacing strip material and the like, which comprises the steps of bringing an abrasive strip into engagement with said material, applying pressure at the point of contact between the abrasive strip and the material, causing the material to be drawn continuously past said point of contact, and imparting continuous movement to the abrasive strip, in a path generally parallel to the path of travel of the material, to continuously renew the abrasive surface at said point of contact.

2,244,537
WELL DRILLING BIT
Archer W. Kammerer, Fullerton, Calif.
Application December 22, 1939, Serial No. 310,567
20 Claims. (Cl. 255—71)



1. A drill bit, including a main body, side roller cutters rotatably carried by said body, a drag assembly secured to said main body and having inner and outer cutters disposed at an angle to each other, said roller cutters extending below said outer cutters and said outer cutters extending below said inner cutters.

2,244,538
PLOWING AND ROOT SEPARATING APPARATUS
Fred W. Kasten, Sturgeon Bay, Wis.
Application January 17, 1940, Serial No. 314,215
7 Claims. (Cl. 97—34)

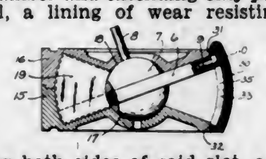


1. The combination with a plow, of a rotatable pronged root lifting device supported adjacent the moldboard of the plow in a position to receive a turning furrow slice on its upwardly moving prongs, and means for rotating said device in a direction to cause its forwardly projecting prongs to move upwardly through the elevated furrow slice for removal of roots therefrom, said root lifting device having its axis extending obliquely in the previously formed furrow and forwardly along the moldboard of the plow, whereby its prongs may rotate in oblique planes normal to said axis and throw the roots laterally over the surfaces of previously plowed soil and away from the falling earth deposited upon the prongs by the plows.

2,244,539
NUTATING DISK MOTOR
Emil M. Krueger, Milwaukee, Wis., assignor to Badger Meter Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 10, 1939, Serial No. 283,541
11 Claims. (Cl. 121—69)

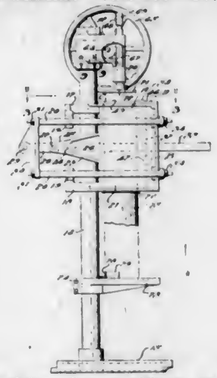
5. In a device of the character described, the combination with a flexible insert having an arcuate form vertically and a wedge-shaped form in cross section, said insert being provided with a slotted concave face, of a meter chamber comprising separable parts, each provided with a dove-tailed slot in which the respective ends of said insert are fitted.

10. A fluid meter comprising a meter chamber, a disk in said chamber journalled for nutating motion therein, a slot formed in the wall of the meter chamber and extending only part way into said wall, a lining of wear resisting material



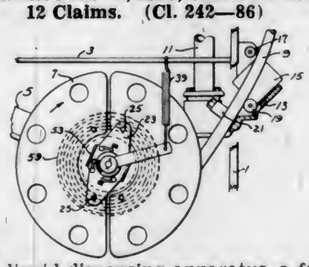
protecting both sides of said slot, and a thrust roller journalled on said disk and extending into said slot.

2,244,540
MEAT SHAPING AND PRESSING DEVICE
Conrad T. Lenzke, Detroit, Mich.
Application June 6, 1938, Serial No. 212,094
11 Claims. (Cl. 100—57)



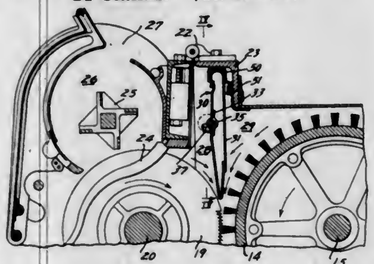
1. In a machine for molding meat, an upright support, relatively movable mold sections carried by said support and projecting laterally forwardly therefrom, toggle linkage adapted to effect relative movement of said mold sections for molding the meat between said sections, means for mounting said toggle linkage rearwardly of said support, a handle operably connected to said linkage and projecting forwardly adjacent said mold sections for swinging operating movement, and a press rotatably mounted on said support for swinging movement from an inoperative position free from interference with swinging movement of the handle to an operative position for exerting pressure on the meat transversely to that applied thereto by said mold sections.

2,244,541
HOSE REEL LATCHING MECHANISM
Harvey E. Marvel, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana
Application June 22, 1939, Serial No. 280,666
12 Claims. (Cl. 242—86)



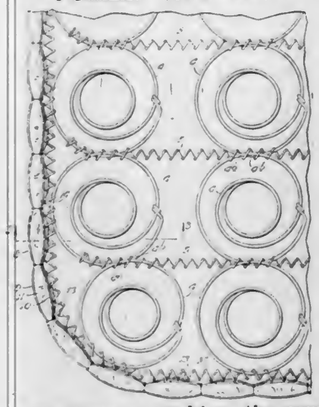
4. In a liquid dispensing apparatus, a frame, a hose reel mounted for rotation on said frame, a hose mounted on said reel, retrieving means connected with said reel and adapted to rotate it to reel up said hose, a bracket carried by the reel, a trunnion supported by said bracket, a latch plate mounted for rotation on said trunnion, a lever fixed to said latch plate at one end and supported on a spring at the other end, a notch in said latch plate, and a latch pawl mounted on said bracket for cooperation with said latch plate to transmit rotation imparted by said yieldable retrieving means to said lever and spring.

2,244,542
DIVISION BOARD ADJUSTMENT FOR LINTER GINS
George C. Morgan, Birmingham, Ala., assignor to Continental Gin Company, a corporation of Delaware
Application March 6, 1939, Serial No. 259,972
14 Claims. (Cl. 19—55)



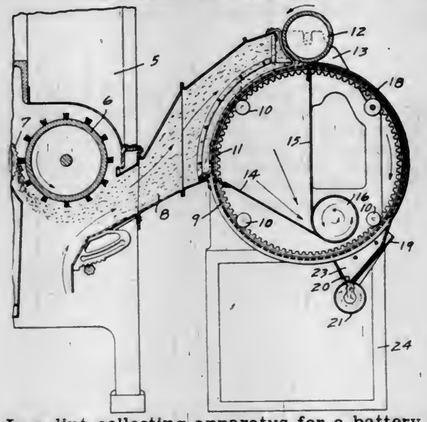
1. In a linter gin comprising coacting saw and brush elements, a division board, end pivotal supports for said board and rocker bearings for said supports mounted in the gin eccentric to said supports and means to set said bearings in adjusted positions to shift said board both vertically and horizontally to maintain its proper working relationship to both saw and brush elements as they wear.

2,244,543
MATTRESS OR CUSHION AND METHOD OF MAKING THE SAME
Howard Herrmann Seavert, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a corporation of Delaware
Application May 14, 1938, Serial No. 208,046
6 Claims. (Cl. 5—351)



1. In a mattress or cushion, the combination of an inner spring construction comprising a plurality of coil springs, a boxing, means secured to said boxing at spaced points so as to provide intermediate separable portions, and helical wire means embracing certain of said intermediate portions and the adjacent spring coil portions of said inner spring construction for connecting said boxing and inner spring construction.

2,244,544
APPARATUS FOR COLLECTING AND BLENDING LINT
Algernon L. Smith, Birmingham, Ala., assignor to Continental Gin Company, a corporation of Delaware
Application November 5, 1938, Serial No. 239,182
1 Claim. (Cl. 19—156)

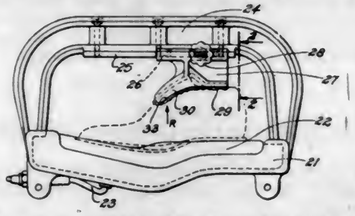


In a lint collecting apparatus for a battery of linter gin condensers, each having a moving condenser element, means to cause the lint to be deposited thereon, a roller to form the lint into a bat, and a bat receiving hopper fitted to the under portion of its down-going side and spaced from its respective bat roller to leave a substantial portion of the formed bat, sufficient for its ready inspection, exposed before it enters its respective hopper, said hoppers being each provided with a bottom slot substantially coextensive in length with the width of the bat for delivering the bat with a restricted air volume into a manifold system, and a manifold lint conveyor system connected to, and adapted to collect lint from, said hoppers and comprising a suction fan and means to apply substantially uniform suction along the hopper slots.

2,244,545
SHOE PRESS
John Frederick Smith, Quincy, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application April 1, 1939, Serial No. 265,489
4 Claims. (Cl. 12—33)

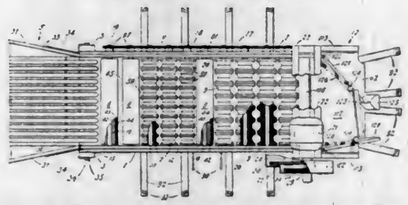
1. A press for applying pressure to the bottom of a shoe lasted on a conventional shoemaking last having on its upper side a flat heel portion and a cone portion the highest part of which projects above said flat heel portion, comprising a base carrying a pressure applying pad, a bow member adapted to be fixedly positioned over said pad, a single top abutment member fixedly carried by said bow member, said abutment member having a flat bearing face overlying the heel portion of said last and hav-

ing a forwardly extending recessed arm accommodating said cone portion and bearing thereagainst forwardly and on each side of the line of the resultant of the forces applied against



the shoe bottom by said pad, and means for increasing the pressure between said abutment member and pad to clamp said lasted shoe therebetween.

2,244,546
FRUIT AND VEGETABLE SIZER
Harry C. Stockdale, Ravenna, Ohio, assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application December 28, 1936, Serial No. 117,778
Renewed September 23, 1939
19 Claims. (Cl. 209—106)

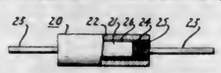


1. In a sizer for potatoes or the like, a plurality of parallel rolls arranged transversely to the flow of potatoes thereover, and having semi-circular peripheral grooves defined by resilient spurs extending substantially radially of said grooves, whereby adjacent rolls cooperate to form substantially circular sizing openings therebetween, and means for rotating said rolls in the same direction.

2,244,547
PARASITICIDE
William P. ter Horst, Packanack Lake, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 4, 1939, Serial No. 271,715
8 Claims. (Cl. 167—33)

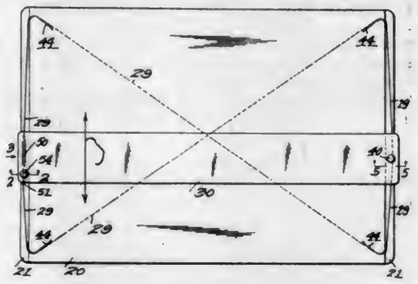
1. An insecticide preparation containing as an active ingredient a product obtainable by the reaction of an aliphatic ketone and ammonium thiocyanate.

2,244,548
RESISTOR AND METHOD FOR MAKING SAME
Glen F. Benkelman, Cleveland, Ohio, assignor to Continental Carbon, Inc.
Application September 9, 1939, Serial No. 294,167
5 Claims. (Cl. 201—64)



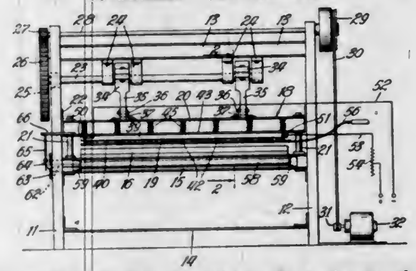
1. The method of constructing a resistor unit which comprises the steps of molding in a green state a heat setting phenol condensation product having finely distributed electrical conducting particles into a resistance element having end surfaces, heating the molded resistance element to set and harden same, providing an insulating tube of greater length than the resistance element to receive the latter with space in both ends thereof and with a small clearance space between the resistance element and the insulating tube, providing for each end surface of the resistance element a terminal conductor with an abutting end smaller than the opening in the insulating tube, providing a heat setting cement of a phenol condensation product having finely distributed electrical conducting particles and having a greater electrical conductivity than the resistance element, applying the cement in the space in both ends of the insulating tube to each said end surface of the resistance element and embedding the abutting end of each of said terminal conductors in the applied cement to electrically connect the terminal conductors to the end surfaces of the resistance element, heating the insulating tube, the resistance element and the applied cement with the abutting ends of the terminal conductors embedded therein to set and harden the cement to electrically and mechanically connect the terminal conductors to the end surfaces of the resistance element and to mechanically connect the terminal conductors and the resistance element in the insulating tube, immersing the combined resistor unit in melted water-repellant material under vacuum to create voids in the unit by evacuating through the pores of the unit the air from the small clearance space between the resistance element and the insulating tube as well as from the pores themselves, releasing the vacuum to fill the voids with the melted water-repellant material, and removing the resistor unit from the melted water-repellant material and allowing the material in the resistor unit to solidify.

2,244,549
LAMINATED DRAWING BOARD
William W. Blakeslee, Brattleboro, Vt.
Application October 12, 1939, Serial No. 299,179
4 Claims. (Cl. 33—80)



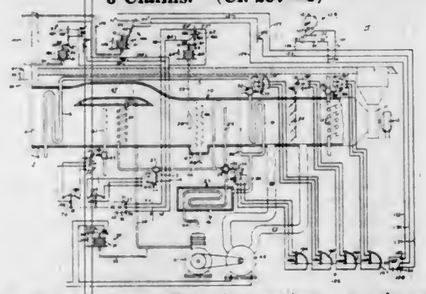
1. A laminated drawing-board comprising complete and continuous front and back layers of sheet material and an interposed layer formed of a plurality of spaced blocks of sheet material, all of said layers and blocks being adhesively secured together, said board having a straight-edge associated therewith and having parallel-motion cords, and said blocks being closely adjacent each other over the entire area of said board but being so positioned and sufficiently separated as to provide narrow clear diagonal passages in said board for said cords and between said front and back layers.

2,244,550
PERFORATING METHOD AND APPARATUS
Frank Jermain Chandler, Toledo, Ohio
Application March 11, 1940, Serial No. 323,313
10 Claims. (Cl. 164—90)



1. The method of making foraminous sheet material, which comprises providing sheet material composed at least partly of rubber or the like, then forming perforations through the sheet material and simultaneously subjecting said perforation places to isolated applications of heat in a manner to locally soften and preserve the material at the places where the perforations are made.

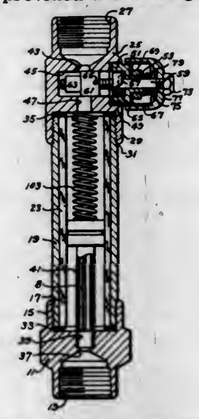
2,244,551
AIR CONDITIONING SYSTEM
Robert B. P. Crawford, Miami, Fla., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 30, 1938, Serial No. 198,850
3 Claims. (Cl. 257—3)



1. In an air conditioning system, an air conditioning chamber, means including an evaporator of a refrigeration system for cooling and dehumidifying air passing through said chamber, said refrigeration system also including a condenser, a precooling coil in the path of fresh air entering said chamber, means utilizing the fluid leaving said coil for cooling said condenser, means responsive to the conditions in the space being cooled, and means under the control of said last named means for utilizing the fluid leaving the precooling coil for reheating the air leaving the cooling means before the fluid reaches the condenser.

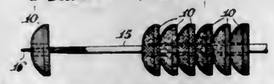
2,244,552
FLUID METER
John J. Delaney, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana
Application February 6, 1939, Serial No. 254,833
3 Claims. (Cl. 73—208)

1. In a fluid meter, means forming inlet and outlet conduits, a tube, comprising transparent wall means, connecting said conduits, an indicator mounted for movement in said tube, a metering tube connected with said inlet, a metering pin mounted for movement in said metering tube and connected to operate said indicator, said pin being provided with a longitudinally and



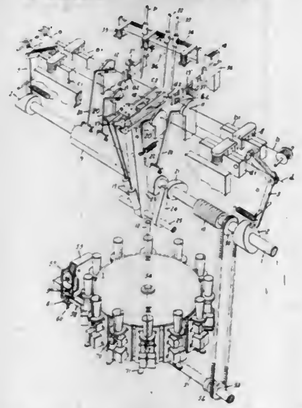
radially extending slot of constant width but of varying radial depth adapted to form with said metering tube an orifice of varying area as said pin moves in said tube.

2,244,553
GAME
Louise Seltzer Ennis, Upper Darby, Pa.
Application February 6, 1940, Serial No. 317,465
4 Claims. (Cl. 273—1)



1. In table games, a plurality of variously colored axially apertured stationary counters disposed at random in a pile, a plurality of variously colored sticks, each stick being constructed and arranged to engage and enter axially into the apertures in selected counters of a plurality in series to cause the latter to be disposed on said stick in such series.

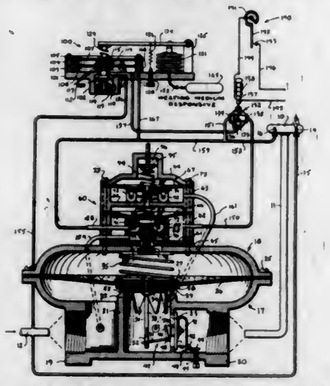
2,244,554
WIRE WELDING MACHINE
Arthur Hannaford, Tottenham, England, assignor to General Electric Company, a corporation of New York
Application April 20, 1939, Serial No. 268,968
In Great Britain April 22, 1938
5 Claims. (Cl. 140—112)



1. An automatic welding machine comprising

means for holding four separate lengths of wire in a longitudinal row with the outer pairs of ends in approximate contact and the inner pairs of ends in overlapping contiguity, means for applying a welding heat approximately simultaneously to the adjacent ends of the wires and means effective during the heating for advancing the two outer wires longitudinally towards each other, so as to form substantially two butt-ended welds and one lap-ended weld.

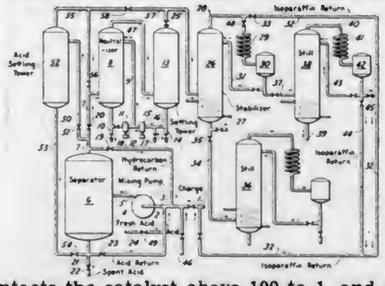
2,244,555
MODULATING PRESSURE MOTOR OPERATED VALVE
John L. Harris, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 8, 1938, Serial No. 218,245
18 Claims. (Cl. 236—80)



8. In combination, a valve, a pressure motor for operating the same, a variable source of control pressure, means for subjecting said pressure motor to a pressure differential so related to the control pressure and to the pressure on the outlet side of said valve that a definite relation is maintained between the control pressure and the outlet pressure, means on the outlet side of said valve for offering a decreasing resistance to the flow of fluid as the outlet pressure increases in such a manner as to tend to maintain a straight line relation between the outlet pressure and the flow of fluid through said valve, and means responsive to valve movement for rapidly decreasing the resistance offered by said means as said valve moves open beyond a predetermined position.

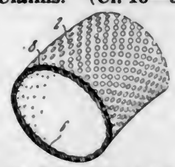
2,244,556
REACTION OF HYDROCARBONS
Melvin M. Holm, San Francisco, Eugene H. Oakley, El Cerrito, and Robert L. Humphreys, El Segundo, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application October 12, 1940, Serial No. 360,874
8 Claims. (Cl. 196—10)

1. Process of manufacturing high anti-knock motor fuel constituents boiling in the aviation gasoline boiling range from cracking still gases containing a mixture of isoparaffin, normal paraffin, and olefin, which comprises charging said gaseous mixture to a reaction zone wherein isoparaffin is alkylated with olefin by contact with an alkylation catalyst comprising sulfuric acid of alkylating concentration, simultaneously maintaining the concentration of isoparaffin to be alkylated in the hydrocarbon phase of said reaction zone above 60% by liquid volume of the hydrocarbons, maintaining the ratio of isoparaffin to olefin at the point where the olefin initially



contacts the catalyst above 100 to 1, and maintaining a high degree of contact between the acid and hydrocarbon phases to produce a high yield of high anti-knock motor fuel hydrocarbons boiling in the aviation gasoline boiling range.

2,244,557
METHOD OF PRODUCING TEAR RESISTING RUBBER SHEETING
Alfred N. Iknayan, Indianapolis, Ind., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Original application October 8, 1937, Serial No. 167,938. Divided and this application September 24, 1938, Serial No. 231,528
3 Claims. (Cl. 18—59)

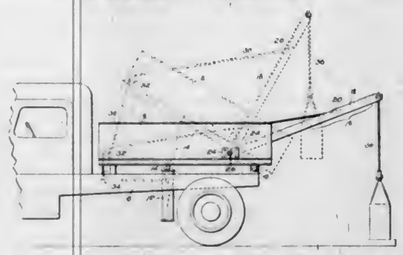


1. In a method of forming a wall of tear resisting vulcanized rubber, the steps comprising forming a sheet of unvulcanized rubber, forming a perforated sheet of unvulcanized rubber, placing the sheets together in laminated relation, treating at least the walls of the perforations in said perforated sheet to reduce their adhesive characteristic, and vulcanizing the sheets under pressure.

2,244,558
FLUORESCENT MATERIAL
Erich Krautz, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York
No Drawing. Application January 22, 1938, Serial No. 186,485. In Germany February 8, 1937
3 Claims. (Cl. 176—122)

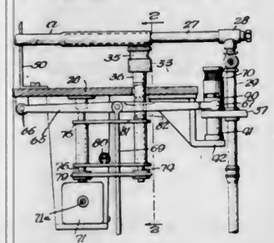
1. In combination, a gaseous electric discharge lamp device and a fluorescent material mounted in light receiving relation to the discharge in said device, said fluorescent material emitting light in the red spectral regions under excitation by radiation from said discharge, said fluorescent material consisting of the product of sintering a mixture consisting of about 1 to 5 percent of beryllium oxide, magnesium oxide and titanium dioxide in which the titanium dioxide content is at least 2 percent and not more than 53 percent by weight of the total content of magnesium oxide and titanium dioxide.

2,244,559
DUMP TRUCK HOIST
Edward M. Lawton, Chelsea, Mass.
Application October 8, 1940, Serial No. 360,208
5 Claims. (Cl. 212—8)



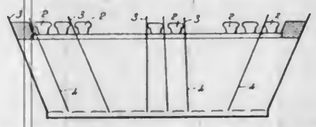
1. A vehicle of the dumping type having a tipping body and means for elevating the forward end of the same, a boom stepped on the vehicle body at one side of the pivotal axis thereof for swinging movement in a vertical plane, a luffing line extending from the head portion of the boom and made fast to a fixed part of the vehicle, and means carried by a portion of the body which rises in tipping movement making contact with the bight of the line whereby on tilting of the body the boom is swung and the elevation of its foot simultaneously altered.

2,244,560
INTESTINE FEEDING MECHANISM
Frank G. Leavenworth, Elmhurst, Ill.
Original application September 23, 1937, Serial No. 165,329. Divided and this application December 26, 1939, Serial No. 310,902
5 Claims. (Cl. 17—42)



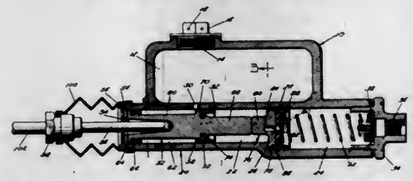
1. Feed-means for intestines comprising a feed-roll provided with a periphery for engaging the intestine and formed of elastic material having pores therein adapted to produce vacuum effects between the wall of the intestine and the roll as the periphery is pressed into engagement with said wall, and means for driving the roll.

2,244,561
VERTICAL FILE DRAWER
Luigi Lombardini, Turin, Italy
Application March 24, 1939, Serial No. 263,975
In Italy October 20, 1938
9 Claims. (Cl. 129—16)



1. In a vertical file drawer having partitions pivotally mounted therein, the combination of two guides, each extending along a side wall of the drawer, and spacing members sliding freely and engaging said guides, each spacing member including a projecting part against which partitions lean during their movement, and which extends upwardly with respect to said guides.

2,244,562
FLUID PRESSURE PRODUCING DEVICE
Erwin F. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application July 29, 1940, Serial No. 348,297
6 Claims. (Cl. 60—54.6)



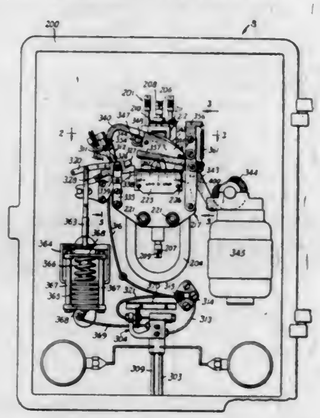
1. A fluid pressure producing device comprising a cylinder having a small chamber and a relatively large chamber arranged eccentrically to, forward of, and in communication with the small chamber, a piston reciprocable in the small chamber, a floating piston in the large chamber, and means for actuating the pistons.

2,244,563
CIGAR AND CIGARETTE LIGHTER
Eston S. Mansfield, Atlanta, Ga.
Application August 23, 1939, Serial No. 291,591
3 Claims. (Cl. 67—7.1)



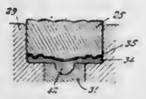
1. Cigar and cigarette lighter comprising a barrel having an intermediate coupling member and upper and lower hollow barrel sections secured thereto, said upper chamber being a wick chamber containing absorbent material and having a lighting element supported thereby including a wick extending into said wick chamber, said lower casing section comprising an auxiliary reservoir for replenishing fuel, said coupling having a partition with a port placing said wick chamber and said auxiliary reservoir into communication, being of such size as to prevent the passage of liquid except in response to an inertia urge produced by jarring said lighter when said auxiliary reservoir is higher than said wick chamber.

2,244,564
CONTROL
Clesson E. Mason and Cuthbert J. Brown, Foxboro, Mass., assignors to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Original application July 31, 1935, Serial No. 34,110. Divided and this application June 28, 1939, Serial No. 281,626
6 Claims. (Cl. 137—139)



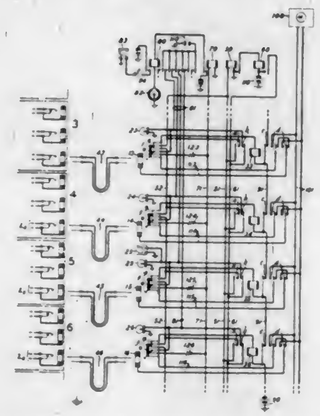
1. Apparatus for translating galvanometer needle position comprising, in combination, a valve including a nozzle and associated flapper mounted for relative movement, a detector arm engageable with said needle for detecting the galvanometer needle position, means for pivoting said arm through an arc the extent of which is determined by the position of the galvanometer needle, a movable bar, means frictionally mounting said bar in the path of said arm for engagement thereby, whereby said bar remains in the position determined by said arm, a lifter arm operated by said first-mentioned means to engage said bar to correct its position to that of said detector arm when the bar underlies the limit of movement of said detector arm, and means connecting said bar and said flapper so that the flapper is positioned in accordance with the position of said needle.

2,244,565
MULTICOLORED MOLDED PRODUCT AND METHOD OF MAKING THE SAME
Leo Nast, Plainfield, N. J., assignor to Universal Plastics Corporation, New Brunswick, N. J., a corporation of New Jersey
Application July 1, 1937, Serial No. 151,427
5 Claims. (Cl. 18—61)



5. As an article of manufacture, a molded product comprising a base layer of thermo-setting material of one color having depressions in the surface thereof, an intermediate layer of like composition material superimposed upon and filling the depressions in the surface of the base layer, said intermediate layer having depressions therein, and a third layer of like composition material of a color contrasting with those of the base and intermediate layers, said third layer being superimposed upon said intermediate layer and filling the depressions in the surface thereof, said base layer, intermediate layer and third layer constituting together a non-laminated molded product, the juncture between the various constituent layers of which is characterized by a flowed-in cohesion of the layers firmly molding them together in insoluble and infusible condition, the flowed-in cohering portion possessing the characteristics of one which is produced by effecting first the partial curing of the base layer, then the partial curing of the intermediate layer, and the final curing of said layers simultaneously with the complete curing of the third layer, the superimposed layers of material having throughout their depth the exact outline of the desired design.

2,244,566
TELEGRAPH TEST BOARD
James Trapp Neiswinter, Cleveland, Ohio, assignor to American Telephone and Telegraph Company, a corporation of New York
Application January 27, 1940, Serial No. 316,006
16 Claims. (Cl. 178—69)

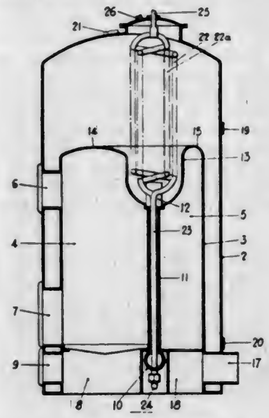


1. A telegraph test board comprising a plurality of operators' positions and a common test circuit, each of said positions including contact means for, in operated condition, connecting the position to said test circuit, common relay means connected to respond to cooperation of said contact means at any two of said positions for establishing an alarm condition at one of said two positions.

2,244,567
VERTICAL HOT WATER BOILER
Frans Oscar Ansgarius Ohlsson, Orebro, Sweden
Application June 30, 1939, Serial No. 282,297
In Sweden July 2, 1938
3 Claims. (Cl. 122—33)

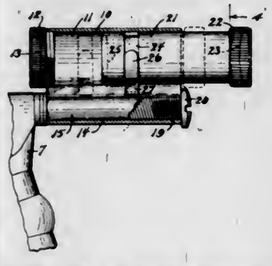
1. A hot water boiler comprising inner and outer walls providing a water space therebetween, a water intake for the water space, a plurality of water tubes communicating at their lower ends with the water intake and at their upper ends with the water space, said tubes forming a substantially vertical partition within the space enclosed by the inner wall and dividing said space into a combustion chamber and a fire box, a water heater located in the water space, and

inlet pipes for said water heater extending through said tubes for effectively heating the



water passing to the water heater and for protecting said inlet pipes.

2,244,568
TELESCOPE FOR ENDOSCOPIC INSTRUMENTS AND THE LIKE
Harry E. Palmeter, Auburn, N. Y., assignor to William N. Allyn, Skaneateles, N. Y.
Application July 13, 1939, Serial No. 284,339
8 Claims. (Cl. 88—32)

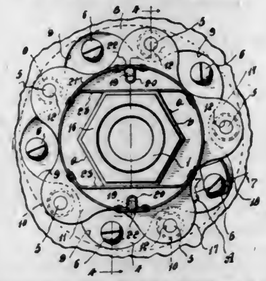


1. A telescope of the class described, comprising an outer sleeve having a lens mounted at one end, an inner sleeve axially slidable in the outer sleeve and provided with lens means, said inner sleeve having an annular groove therein, and a resilient member disposed in said groove and at least partially embracing the inner sleeve, said resilient member also yieldably engaging the interior of the outer sleeve for yieldably restraining said sleeves against relative axial movement, and said resilient member having means to prevent displacement of the inner sleeve from the outer sleeve.

2,244,569
HIGH MELTING POINT CHOCOLATE AND METHOD OF PREPARING THE SAME
Frederic H. Penn, Dallas, Tex.
No Drawing. Application December 18, 1940, Serial No. 370,722
8 Claims. (Cl. 99—23)

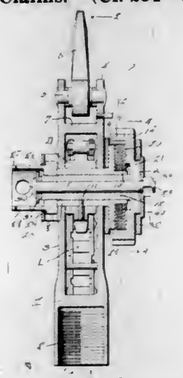
1. A process for increasing the melting point of chocolate comprising hydrogenating chocolate at a temperature of from about 100° C. to about 150° C.

2,244,570
DEMOUNTABLE WHEEL
Frank Pignani, Marsteller, Pa.
Application August 12, 1939, Serial No. 289,872
2 Claims. (Cl. 301—9)



1. A wheel structure comprising a hub having a radial surrounding flange, a web defining a central opening through which the hub passes, the marginal portion of the web defining said opening overlying the outer marginal portion of the flange, said marginal portion of the flange being provided with laterally disposed lugs, the marginal portion of the web defining the central opening having openings through which said lugs extend, an annular member having openings to also receive the lugs of the flange, a nut rotatably attached to the annular member, said nut threading upon the hub, means carried by the annular member for holding the nut against turning movement independently of the annular member, and means independent of the lugs for holding the annular member against rotation with the nut.

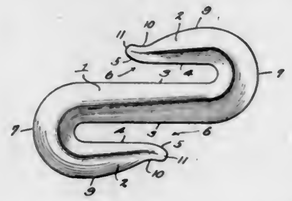
2,244,571
LIFTING APPARATUS
Frank Pignani, Marsteller, and John Ferretti, Hastings, Pa.
Application July 5, 1940, Serial No. 344,144
7 Claims. (Cl. 254—167)



7. An apparatus of the class described comprising a body having spaced walls, a sleeve rotatably supported by said walls and bridging the space therebetween, a flexible load member operatively engaged with said sleeve to impose pull upon the flexible member when the sleeve is rotated in one direction, said sleeve being of a length to extend outwardly beyond one of the spaced walls, a clutch flange carried by the extended portion of the sleeve but spaced inwardly from the adjacent end of the sleeve, a shaft freely insertible

through the sleeve and extending beyond opposite ends thereof, a second clutch member carried by the shaft at a point outwardly of the extended end of the sleeve, friction discs interposed between the flange of the sleeve and the second clutch member carried by the shaft, said discs being alternately keyed to the sleeve and second clutch member, a nut threading upon the second end portion of the shaft, a member coacting with the nut providing means in connection with the adjacent plate of the body for holding the nut substantially against movement in a direction lengthwise of the shaft, rotation of the nut imposing endwise movement on the shaft, the member coacting with the nut comprising a loop bracket, and a sleeve carried by the nut and extending out freely through said bracket to provide means for rotating the nut.

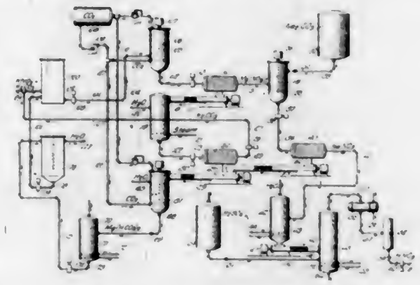
2,244,572
DOUBLE CHAIN HOOK
Horace Edmund Rawlins, Harrisburgh, Ill.
Application November 27, 1939, Serial No. 306,387
1 Claim. (Cl. 24—230.5)



In a hook for connecting chains and the like, a body provided at its ends with oppositely-projecting bills, the bills and the body being fashioned from approximately rectangular stock, one of the diagonals of the stock being disposed in the median plane of the bills and the body, the outer longitudinal edges of the body being parallel and straight, the inner edges of the bills being parallel, throughout the major portions of their lengths, to the outer longitudinal edges of the body; the outer lateral edges of the bills being inwardly inclined toward the inner edges of the bills and being outwardly curved, the outer edges of the bills being inwardly concaved, to form reduced round-ended tips for the bills, the bills being located at 180° to the body, the terminal portions of the inner edges of the bills being outwardly inclined to fashion widened entering throats, the external end edges of the bills being outwardly curved.

2,244,573
METHOD OF MAKING CATALYSTS
George Roberts, Jr., Montclair, N. J., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application July 18, 1938, Serial No. 219,931
4 Claims. (Cl. 252—253)

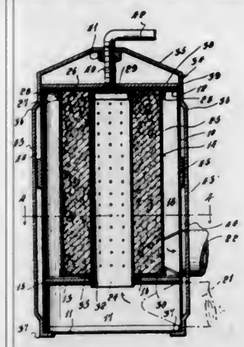
1. A method of forming a catalyst comprising a finely divided metal deposited upon a support including the steps of forming a solution of the desired catalyst metal in nitric acid comprising a portion previously recovered in the process, suspending a finely divided inert siliceous catalyst support in said solution, precipitating the carbonate of the metal upon the support and forming a corresponding amount of potassium nitrate by the addition of potassium carbonate to the solution, separating the support together with the precipitated metal carbonate from the solution of potassium nitrate, drying and heating said separated support and carbonate to decompose the carbonate to form the oxide of the metal in place upon the support, reducing the oxide to form the metal in finely divided form disseminated upon the support, adding magnesium carbonate to the filtrate containing potassium nitrate to form magnesium nitrate, reacting sodium carbonate with the magnesium nitrate to form sodium nitrate, reacting the sodium nitrate with sulfuric acid to form nitric acid, and returning the nitric acid to the process.



3. A method of forming a catalyst adapted for use in the synthesis of hydrocarbons from mixtures of carbon monoxide and hydrogen, said catalyst comprising cobalt supported upon kieselguhr bearing a thorium oxide promoter which includes the steps of forming a solution of cobalt nitrate by the interaction of nitric acid and cobalt, simultaneously forming thorium hydroxide by the interaction of thorium sulphate and ammonia, reacting thorium hydroxide and nitric acid to form thorium nitrate, agitating the solution of cobalt nitrate and thorium nitrate with kieselguhr, precipitating cobalt carbonate and thorium carbonate from the agitated mixture upon the kieselguhr forming a corresponding amount of potassium nitrate by addition of potassium carbonate, separating the kieselguhr, and cobalt carbonate and thorium carbonate precipitated thereon from the potassium nitrate solution, passing the potassium nitrate solution to a recovered nitric acid recovery operation, returning the nitric acid to the process, drying the kieselguhr-cobalt carbonate-thorium carbonate precipitate, heating the precipitate to decompose the thorium and cobalt carbonates to cobalt oxide and thorium oxide respectively, subjecting the mixture of metal oxides upon the kieselguhr to a reduction step to reduce the cobalt oxide to metallic cobalt, the thorium oxide being irreducible under the conditions of the reducing step whereby the desired catalyst is formed.

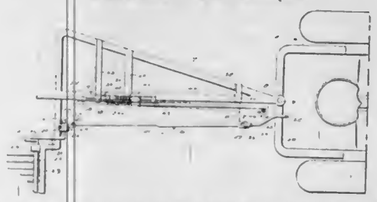
2,244,574
AUTOMOBILE RADIATOR WATER CLEANER
William J. Rogers, Napa, Calif.
Application August 31, 1939, Serial No. 292,939
4 Claims. (Cl. 210—131)

1. A cleaner for a water cooling system comprising a container, filtering means therein, a support within the container for the filtering means providing a receiving chamber and an outlet chamber, a mounting frame containing the container, a cover plate over the container and filtering means, clamp means adjustably mounted on the frame and engageable with said cover plate, said frame including legs at the sides of the container, said legs having offset portions providing spaces between the same and con-



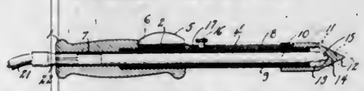
tainer, an attaching bracket surrounding the container and passing through said spaces.

2,244,575
BINDER CONTROL
George D. Stapel, Waucoma, Iowa
Application May 24, 1939, Serial No. 275,510
3 Claims. (Cl. 56—22)



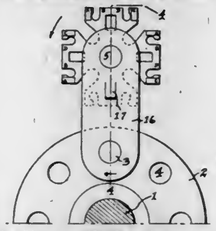
1. A binder control for binders including a cutter and a bundle carrier; a draft frame, a bundle carrier dumping crank, a lever swingably mounted on the frame, a bearing on the crank, a connection between the lever and the bearing, an elongated hand bar, a substantially U-shaped member mounted on the frame, said hand bar being rockably mounted on one leg of the U-shaped member, the other leg of the U-shaped member provided with a rack extension, a cutter operating arm pivotally connected to one end of the bar, detent means between the bar and the rack, and a handle on the bar, said handle being located adjacent the swingable lever.

2,244,576
SOLDERING TOOL
Paul A. Schnebelen, Toledo, Ohio, assignor to Hi-Speed Tire and Accessory Company, Toledo, Ohio, a corporation of Ohio
Application October 17, 1940, Serial No. 361,607
6 Claims. (Cl. 219—26)



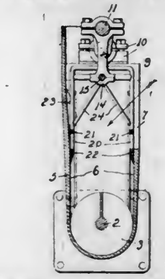
1. A heating tool having a working face-providing element for grounding through the work, a heat resistance in circuit with the element, a directing handle for the tool, and a sleeve rigid with the handle and extending therefrom to provide a directing holder for the resistance in series with the working element located on said sleeve normally clear of the element.

2,244,577
MILL HAMMER
Allen B. Schreiber, St. Joseph, Mo.
Application October 20, 1939, Serial No. 300,488
7 Claims. (Cl. 83—11)



7. In a grinding mill having a rotatable disc, radius arms pivoted to said disc, a hammer proper mounted between the outer extremities of said arms and comprising a flat body proper having at least one arm portion the outer end face of which is a plane surface, said arm portion having two elongated slots entering from said outer end face and extending inwardly toward the body proper and spaced apart, thereby providing two side grinding members and a middle portion and defining at least four grinding corners one on each outer side of each side grinding member and one on each side of the middle portion, said slots at their inner ends being laterally enlarged, thereby reducing the width of the side grinding members where they join said body proper, by virtue of all of which the grinding portions of the side gringing members will be worn down before the grinding portions of the middle grinding members become substantially worn down, said arm portion having a rectangular recess in the face of the middle portion.

2,244,578
AGITATOR-FEEDER FOR STICKY MASSES
Allen B. Schreiber, St. Joseph, Mo.
Application July 26, 1940, Serial No. 347,815
7 Claims. (Cl. 107—14)

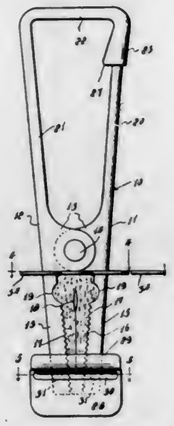


1. In a machine of the character described, a throat through which material is fed into the machine, in combination with a reciprocating agitator and throat-wall scraper comprising a skeleton formed of rods and thin blades and operating in said throat, and means to operate the same.

2,244,579
OIL GAUGE ROD WIPER
Frank M. Scott, Fort Washakie, Wyo.
Application May 9, 1940, Serial No. 334,257
5 Claims. (Cl. 15—210)

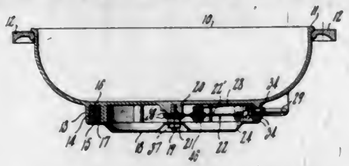
1. A gauge rod wiper comprising a pair of arms having inwardly projecting ears, intermediate of their ends, a pin projecting through said ears

for pivotally connecting the arms, said arms having corresponding ends forming jaws, spring means associated with the arms for urging the jaws to a closed position, absorbent material attached to the inner faces of the jaws, the opposite ends of the arms forming handles, compressible for opening the jaws, one of said han-



dles having a lateral extension at its outer end, said extension projecting beyond the free end of the other handle and being provided with an inturned end for engaging the outer side of said last mentioned handle for limiting the outward movement of the handles relatively to each other.

2,244,580
ELECTRICAL HEATING VESSEL
John E. Smith, Plainfield, N. J.
Application December 31, 1937, Serial No. 182,714
2 Claims. (Cl. 219—44)



1. A cooking vessel comprising a bowl having side and bottom, a channel formed on the bottom of the bowl adjacent the juncture of the sides and bottom, and heating elements for high and low heats disposed in said channel at different vertical levels, a cover plate enclosing the heating elements in the channel and forming an enclosed chamber at the bottom of the vessel, and a thermostatic switch mounted in said chamber and connected to at least one of said elements, said switch including a pair of contacts normally spring closed and a separate bi-metallic strip, said contacts being adapted to be opened by flexure of the bi-metallic strip.

2,244,581
VENDING MACHINE
Carl V. Tardete, Jamestown, N. Y.
Application September 7, 1937, Serial No. 162,805
5 Claims. (Cl. 312—78)

1 In a vending machine, a hopper having an inclined discharge wall, a channel member at the front of the hopper spaced above said wall so that articles may discharge beneath the channel member, an ejector having its upper edge disposed to receive an article from the discharge wall to be



ejected, said channel member having a discharge opening, and means operable to raise the ejector so that the article will register with the opening and discharge therethrough.

2,244,582
BUFFING WHEEL
Frederick Hanson Thompson, Dayton, Ohio, assignor to Divine Brothers Company, Utica, N. Y., a corporation of New York
Application July 7, 1939, Serial No. 283,243
6 Claims. (Cl. 51—193)

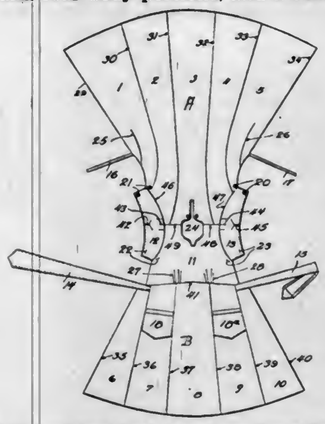


1. For a buffing wheel, disc-like layers of material having their middle portions impregnated with a hard-setting adhesive or size and the central portions of said treated portions being offset relative to the untreated outer working portions with the intermediate parts of the layers extending slantingly from the offset to the main outer portions, said offset and intermediate portions permanently retaining their positions relative to each other by reason of the hardened adhesive therein, the layers of material in the buffing wheel arranged with their offset portions all extending in the same axial direction.

2,244,583
GARMENT
Helen N. Turner and Hazel S. White, Palmyra, Mo.
Application June 3, 1939, Serial No. 277,298
2 Claims. (Cl. 2—74)

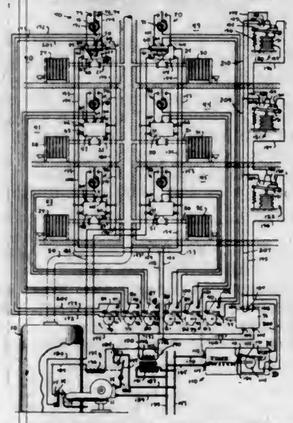
1. A garment consisting of a body member of a length sufficient to drape over the shoulders and lie in front of and behind the body of the wearer and consisting of a shoulder portion having a head opening and front and rear portions adapted to overlap when worn, each side of the shoulder portion being formed with a concave scye of a length sufficient to more than surround the corresponding shoulder of the wearer, sleeve members secured to the body member at the scyes

and of equal length therewith, tie bands for said front and rear body portions, and means for se-



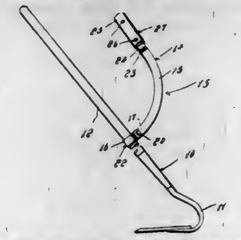
curing the ends of the sleeve members detachably together beneath the arms of the wearer.

2,244,584
ZONE TEMPERATURE CONTROL SYSTEM
John Turner, Boston, Mass., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 20, 1937, Serial No. 160,106
3 Claims. (Cl. 236—46)



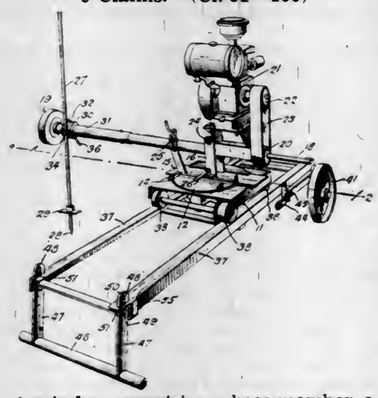
1. In a zone temperature control system, a plurality of zones whose temperature is to be controlled, a temperature changing means in each of said zones, a motor operated regulator for said temperature changing means, said regulator having a three wire control circuit and operative when first and second wires of said control circuit are connected to move to a first position in which the temperature changing effect of said temperature changing means is increased and when the second and third wires of said control circuit are connected to move to a second position in which the temperature changing effect of said temperature changing means is decreased, a three wire thermostat in each zone connected to said control circuit, a cycling single pole double-throw switch associated with each circuit, said switch being operative in a first position to place the associated thermostat in control and in a second position to connect the second and third wires of said regulator circuit to cause said regulator to move to said second position, motor means associated with said cycling switches and operative simultaneously to move all of said switches between the two positions thereof, a time switch in control of said motor means, and a further thermostat in one of said zones also in control of said motor means, said further thermostat being set to maintain a different temperature than said previously named thermostat and operable when said different temperature exists thereat to cause said motor means to move said cycling switches to said first position to place said individual zone thermostats in control of said temperature changing means.

2,244,585
SUPPLEMENTARY HANDLE
Jacob M. Tweit, Holcombe, Wis.
Application December 19, 1939, Serial No. 310,089
4 Claims. (Cl. 97—71.1)



2. An attachment for tools having elongated handles such as hoes and rakes, comprising an elongated arcuately shaped shank having one end secured to an elongated handle of a tool, in spaced apart relationship to the upper and lower ends of the handle and projecting upwardly therefrom and toward the upper, free end of the tool handle, and said shank having a handle portion at its free end, said handle portion being disposed at an oblique angle to the shank and to the vertical plane of the tool handle and being spaced from and disposed to one side of the free end of the tool handle.

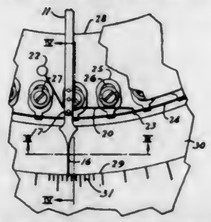
2,244,586
GRINDER
James E. Venable, Morgan City, Miss., assignor to Horace Y. Kitchell, Greenwood, Miss.
Application March 27, 1940, Serial No. 326,265
9 Claims. (Cl. 51—166)



1. A grinder comprising a base member, a shaft

projecting away from the base member, bearings for the shaft, an abrasive wheel fixed to the projecing end of the shaft, a turntable on the base member, a supporting bracket on the turntable to carry the bearing and shaft, a swivel connection between the supporting bracket and the shaft bearings to tilt the shaft for positioning the wheel at a predetermined height, a clamp to hold the shaft to the angle to which it is tilted, a bracing member near the abrasive wheel to steady the position of the wheel, a loose connection between the bracing member and the abrasive wheel to permit oscillation of the wheel with the turntable in accordance with the manipulation of the bracing member.

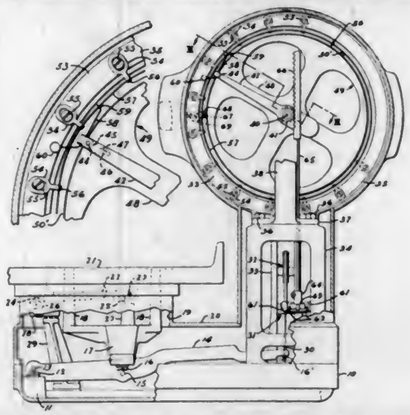
2,244,587
MEASURING INSTRUMENT
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, a corporation of New Jersey
Application October 10, 1939, Serial No. 298,810
12 Claims. (Cl. 73—51)



6. In a device of the class described, in combination, an indicator, means for causing major movement of said indicator corresponding approximately to values to be indicated and means for causing minor corrective variations in such major movements, comprising an elongated deformable member, a movement varying member engaged therewith, said elongated deformable member and said movement varying member having relative movement during major movements of said indicator and said movement varying member acting in response to deformations of said elongated deformable member to cause minor corrective variations in such major movements of said indicator.

2,244,588
MEASURING DEVICE
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, a corporation of New Jersey
Application November 16, 1939, Serial No. 304,738
7 Claims. (Cl. 116—129)

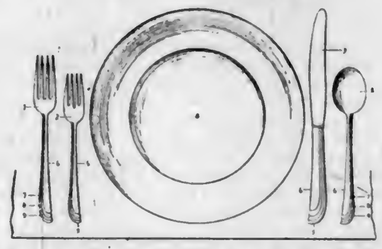
1. In a measuring device, in combination, a casing, a movable member movable in response to change in magnitude of a condition under measurement, a shaft mounted in said casing, a pinion mounted on said shaft and in engagement with said movable member and rotated thereby, a cylindrical chart mounted on said shaft and adapted to rotate independently of the rotation of said shaft, an annular flange in said casing, a deformable member mounted on said flange substantially concentrically to the periphery of said cylindrical chart, means between said deformable member and said annular flange for deforming portions of said deformable member so that such portions become eccentric to the periphery of said cylindrical chart, an articulated arm fixed on said shaft and having sliding engagement with said deformable member and with said cylindrical chart during rotation of said shaft to cause said chart to rotate with said shaft in response to movement of said movable member and independently of the rotation of said shaft to correctively vary the rotation of said chart when said articulated arm engages one of such eccentric portions of said deformable member.



2,244,589
PHOTOGRAPHIC COLOR PROCESS
Louis Yanket, Long Island City, N. Y.
No Drawing. Application October 31, 1938, Serial No. 238,077
2 Claims. (Cl. 95—6)

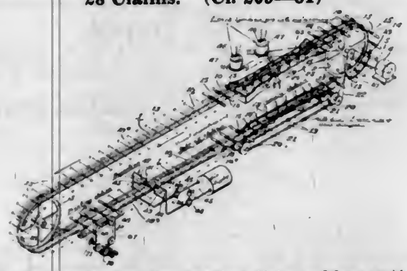
1. Those steps in a photographic color process which comprise exposing an emulsion layer of mixed silver bromide and silver chloride, developing and coloring the developed image upon said layer, and treating said layer to a resensitizing bath containing soluble chloride and soluble bromide in ratio to give the resensitized portions of said layer substantially the same contrast characteristics as in the original emulsion.

2,244,590
TABLE FLATWARE
Marion C. Vonderheid, Long Lake, Wis., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application June 22, 1940, Serial No. 341,879
3 Claims. (Cl. 35—1)



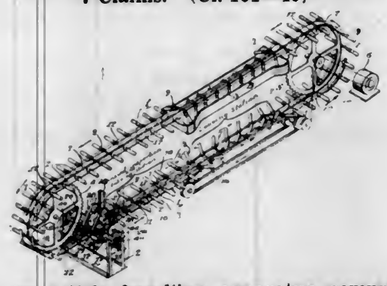
1. The combination of at least two table flatware pieces used in the setting of a table, each piece having a handle portion and the handle portions embodying a common asymmetrical design, said design being visible with the flatware pieces placed face-up on the table, at least one of said pieces having its asymmetrical design the reverse of the asymmetrical design for another of said pieces, whereby the pieces are adapted to indicate right and left positions for said pieces with respect to the user, and the two pieces providing a composite and symmetrical whole when positioned.

2,244,591
APPARATUS FOR TESTING PROPHYLACTIC ARTICLES OF THIN RUBBER
Arthur M. Youngs, Trenton, and James S. Ballantine, Absecon, N. J., assignors to Youngs Rubber Corp. of N. J., Trenton, N. J., a corporation of New Jersey
Application March 30, 1939, Serial No. 265,018
28 Claims. (Cl. 209—81)



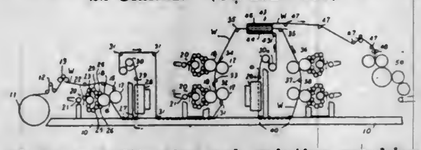
1. In apparatus for testing thin rubber articles to detect imperfections such as holes therein, an electrically conductive element arranged to receive and support an article thereon, said element having a cross-sectional area greater than the normal cross-sectional area of the article so that said article is supported on the element in a comparatively stretched condition, a trough containing a liquid in which said article is substantially entirely immersed on said element, electrical means connected to the element and said trough and operable in response to the presence of a hole in the article, and means operable by said electrical means for indicating the presence of a hole in said article.

2,244,592
PRINTING MECHANISM
Arthur M. Youngs, Trenton, N. J., assignor to Youngs Rubber Corp. of N. J., Trenton, N. J., a corporation of New Jersey
Application July 16, 1940, Serial No. 345,848
7 Claims. (Cl. 101—40)



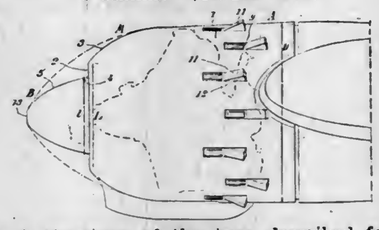
1. In article handling apparatus comprising conveyor means for advancing a series of articles and means for driving said conveyor in one direction along a predetermined path of travel, a shaft mounted for rotation with its axis perpendicular to the path of travel of the conveyor, a printing member fixed on said shaft adjacent said conveyor and having a series of printing surfaces thereon for engagement by the articles advanced by the conveyor, a ratchet secured on the shaft, a collar rotatable on said shaft, a pawl pivotally carried by said collar and arranged in cooperative relation to said ratchet, a drive shaft driven from said conveyor drive means, a stud shaft, means for driving said stud shaft from the drive shaft in predetermined timed relation with respect to the latter and the travel of the conveyor, an eccentric crank carried by said stud shaft, and a link connecting said eccentric crank and the collar operable to actuate the latter and the pawl thereby periodically to actuate the ratchet and its shaft to present the printing surfaces on the printing member successively to the articles advanced by said conveyor.

2,244,593
MULTICOLOR PRINTING MACHINE
Adolph M. Zuckerman, New York, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application February 3, 1940, Serial No. 317,195
22 Claims. (Cl. 101—180)



16. In a multi-color web printing machine, a plurality of printing units through which a web is led in a loop formation, ink drying mechanism located within the loop and through which the web is led, and means for guiding the web after it leaves the ink drying mechanism transversely around a portion of the loop to a point outside the loop.

2,244,594
DIRECT AIR COOLED ENGINE
Felix Amiot, Neuilly-sur-Seine, France
Application January 31, 1939, Serial No. 253,925
In Luxemburg March 10, 1938
3 Claims. (Cl. 123—171)

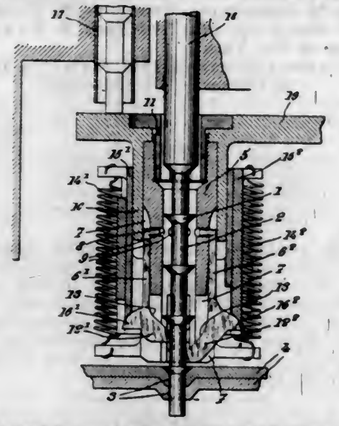


1. A structure of the type described for use with an air-cooled engine, comprising, in combination, a cowling adapted to surround said engine, means in said cowling forming a forward equalization chamber, and means forming individual air conduits in communication with said equalization chamber and adapted to guide air past at least a portion of each of the cylinders of said engine, respectively, said individual air conduits communicating at their rear ends with the atmosphere, and individual exhaust conduits for each of said cylinders, the individual exhaust conduits being disposed, respectively, in the interior of said air conduits.

2,244,595
GUIDING MEANS, ESPECIALLY IN MACHINES FOR DELIVERING RIVETS
Felix Amiot, Neuilly-sur-Seine, France
Application January 31, 1939, Serial No. 253,926
In Luxemburg July 2, 1938
13 Claims. (Cl. 78—49)

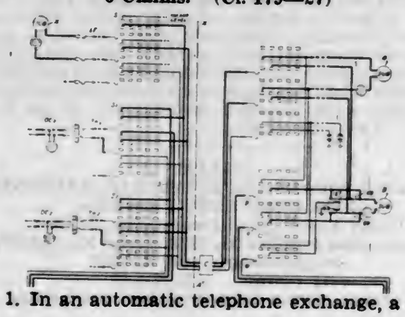
1. Means of the kind described comprising a

tubular guideway for the movable parts such as headed rivets, said guideway being slotted in angularly spaced positions towards its lower end, a support for the guideway, an inlet to the said guideway, a magazine fed from above for supplying parts to the guideway through the said inlet, a reciprocating hammer operative into and out of the inlet for feeding the parts through the guideway, means for relatively moving the support for the guideway alternately to bring the said inlet aligned with the magazine and the hammer, an outlet from the said guideway, a plurality of guiding members arranged towards the said outlet, supporting means for each guiding member so disposed that the guiding members



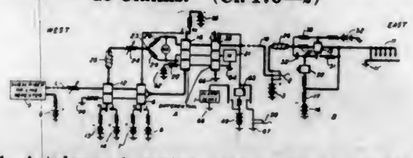
are adapted to project into the said guideway in groups, through the angularly spaced slots at the lower end of the guideway, each group coming in a different plane normal to the axis of the guideway, to permit each guiding member to come into the path of and contact with the movable parts during their passage through the guideway, and resilient means for keeping the guiding members pressed inwardly to maintain contact with the movable parts axially to centre the said parts prior to and at their emergence from the said outlet, the angularly spaced guiding members adjacent the actual outlet comprising means for effecting the release of the parts one by one from the guideway, upon operation of said hammer.

2,244,596
AUTOMATIC TELEPHONE SYSTEM
Gustave Adolph Anderson, Albany, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application December 2, 1939, Serial No. 307,332
6 Claims. (Cl. 179—27)



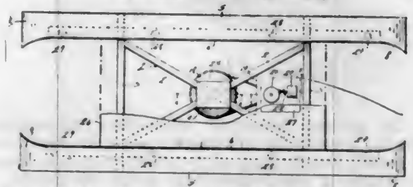
1. In an automatic telephone exchange, a subscriber's line, a first connector switch having access thereto, and for making said line busy when connected thereto, a "no test" connector having access to and adapted to seize said line regardless of its busy condition, means in said "no test" connector for applying ringing current to said line, and means in said line responsive to seizure by said "no test" connector to connect a high impedance between the line and the first connector, to exclude from the first calling line all but a small amount of the ringing current applied to the called line by the no-test connector.

2,244,597
TELEGRAPH SYSTEM
Russell Jacob Anspach, Westfield, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application February 7, 1940, Serial No. 317,759
15 Claims. (Cl. 178—2)



1. A telegraph system comprising in combination a telegraph station having a first and second differential relays, each with a plurality of windings and an armature, a communication channel extending from the station for the transmission of signals, each of said relays having one of its windings connected in series with the communication channel, transmitting means for transmitting signals comprising permutation code combinations composed of both current impulses of a preassigned polarity and ground over the communication channel to the telegraph station, control means for allowing only the first of the differential relays to operate its armature to follow the permutation code signals received over the communication channel, means for transmitting current of a polarity opposite to the said preassigned polarity over said communication channel to the telegraph station, and means for causing the second differential relay to operate its armature in response to the transmission over the communication channel to the station of current of a polarity opposite to said preassigned polarity.

2,244,598
AUTOMOBILE TURNTABLE
Richard F. Ash, Alton, Ill.
Application May 23, 1940, Serial No. 336,817
2 Claims. (Cl. 104—44)



1. A motor vehicle turntable, including a pair of spaced vehicle wheel receiving runways, means forming a central supporting pivot for the table, a gear fixed beneath the table concentric with the pivot, a platform carried by the table, a driving unit supported upon the platform including an electric motor and a gear operatively coupled therewith, a driving connection between

said gears, means for transmitting electric current from a source of supply to said motor, comprising a body of insulation supported upon the under side of the table concentric with the pivot, an annular current pick-up ring carried by the body, a pair of semi-circular contact strips concentric with the ring and disposed upon opposite sides thereof, a fixed current transfer unit beneath and having electrical connection with said ring, a fixed current transfer unit for each semi-circular strip, each unit being arranged to electrically contact its strip through half a revolution of the turntable, means electrically coupling one side of said motor with each of said arcuate strips, means electrically coupling the other side of the motor with said pick-up ring, a source of electric potential, means electrically coupling one side of said source with the current transfer unit having electrical connection with said ring, and switch controlled means for selectively coupling the other side of said current source with the current transfer units which are arranged to have electrical connection with the semi-circular strips.

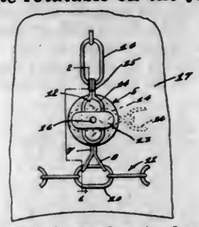
2,244,599
CATALYTIC CONVERTER
Daniel B. Banks, Drexel Hill, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application June 28, 1940, Serial No. 342,859
6 Claims. (Cl. 23—288)



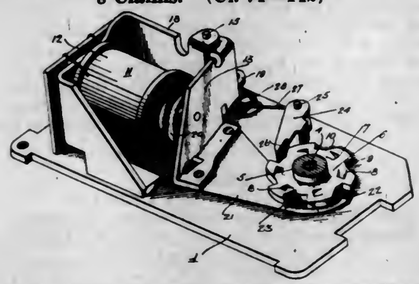
1. An apparatus of the class described, comprising an inner catalyst chamber and removable upper and lower heads therefor, an outer chamber and a removable upper head therefor, a flange on the lower end of the outer chamber, a flange on the inner chamber, a ring between said flanges closing the lower end of the outer chamber and forming between the inner and outer chambers an annular space, a catalyst support, and means carried by the lower head of the inner chamber supporting the catalyst support at a level approximately that of the lower end of said annular space between the two chambers, whereby all portions of the inner catalyst chamber above such catalyst support will be in heat exchange relationship with the annular space between the inner and outer chambers.

2,244,600
FASTENER FOR SKID CHAINS
Harlan A. Banner, Canonsburg, Pa.
Application August 28, 1940, Serial No. 354,606
3 Claims. (Cl. 24—116)

1. A fastener comprising a shield plate, a connecting link secured on said shield plate and projecting from one face thereof to form a journal, an elongated plate fixed on said journal, a second elongated plate rotatable on the journal and capable of moving into and out of parallelism with the first-named elongated plate, and a connecting link to engage with the second-named elongated plate.



2,244,601
POSITIONING MECHANISM
Jay E. Barth, Detroit, Mich., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application July 25, 1939, Serial No. 286,491
8 Claims. (Cl. 74—142)

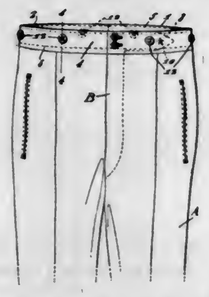


1. An electromagnetic step-by-step positioning device including in combination, a rotary device to be positioned, a wheel on said device having a plurality of laterally-extending ratchet teeth and a corresponding plurality of radially-extending detent teeth, a pawl arranged to engage said ratchet teeth and thus rotate said device, means for actuating said pawl including an electromagnet and a pivoted armature therefor, said pawl consisting of a flat metal arm secured to said armature and movable therewith, said arm carrying an offset portion arranged to engage said ratchet teeth, and a detent portion arranged to engage said detent teeth, means normally maintaining said arm portions in engagement with said teeth, said arm being rotatable about the pivot of said armature whereby a small armature movement will actuate said device.

2,244,602
CONVERTIBLE WAISTBAND FOR TROUSERS
Henry N. Bartman, Chicago, Ill.
Application September 19, 1939, Serial No. 295,670
1 Claim. (Cl. 2—236)

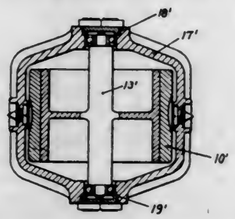
A convertible waistband for trousers, comprising a band including a pair of sections having their rear ends secured together for relative adjustment to vary the size of the band, each section being made from a single strip of material folded substantially along the longitudinal center thereof to provide face portions stitched together along their length in close proximity to the fold and adjacent their edges opposed to the

fold, one face portion being wider than the other, the narrow face portion having its edge opposed to the fold stitched to the upper edge of the body of the trousers with the fold uppermost and the wide face portion having its edge portion that is opposed to the fold arranged within the body to overlap the stitched edges of the body and the narrow face portion to cover the same, said band being adapted to be folded adjacent to its junc-



ture with the body to be turned down exteriorly of and in surrounding relation therewith to lower the waist of the trousers and to be turned up to raise the waist thereof, means for detachably securing the front ends of the sections together, a tongue included in said securing means and formed on one section, means on the other section for detachably securing the tongue thereto, and suspender receiving buttons secured to the band and disposed on the narrow face portion.

2,244,603
GYROSCOPIC APPARATUS
Karl Bauer, Berlin-Lichterfelde, Germany
Application June 11, 1937, Serial No. 147,773
In Germany July 16, 1936
2 Claims. (Cl. 74—5)



2. In a gyroscopic apparatus the combination of a rotor bearing member formed of alumnium alloy in one part; a rotor wheel made of aluminum alloy and a shaft integral therewith; a heavy-metal rim secured to said wheel; and bearings of hardened steel for rotatably supporting said shaft in said member.

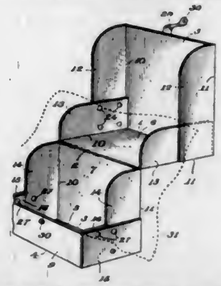
2,244,604
STOCKING
Arthur R. Bell, Philadelphia, Pa., assignor of one-fourth to Walter J. Horn and one-fourth to Franklin S. Horn, both of Philadelphia, Pa., and one-fourth to Albert J. Miller, Bala Cynwyd, Pa.
Application May 2, 1940, Serial No. 333,053
5 Claims. (Cl. 66—187)

1. A seamless stocking comprising a leg, and a foot composed of elastic yarn and a heel composed of relatively inelastic yarn integrally knit with a gore insert also composed of inelastic yarn



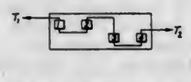
in each side of the heel and projecting forwardly thereof between the leg and the foot.

2,244,605
FOLDING SEAT
Albert C. Benoit, Shreveport, La.
Application July 19, 1939, Serial No. 285,419
1 Claim. (Cl. 155—139)



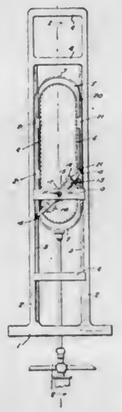
A folding seat comprising a single blank of material scored on transverse and longitudinal score lines and cut at intervals on the transverse score lines from the longitudinal edges of the blank to the longitudinal score lines, said blank being bent on the transverse score lines to form a back, a seat extending from the lower edge of the back, an apron depending from the front edge of the seat, a base at the bottom of the apron extending forwardly from the apron, a front member extending upwardly from the base, said blank having portions bent on the longitudinal score lines at a pair of said cuts to form upstanding arm rests on the sides of the seat, wings on the sides of the back bent forwardly on the longitudinal score lines at said pair of cuts and overlapping the arm rests, said blank having portions bent on the longitudinal score lines at another pair of said cuts to form leg shields extending forwardly from the sides of the apron, said blank having other portions bent on the longitudinal score lines at said second pair of cuts to form side members extending upwardly from the base and overlapping the leg shields, said blank having portions bent on the longitudinal score lines at still another pair of said cuts to form reinforcing flaps for the side members extending rearwardly from the sides of the front member and extending to the front edges of the leg shields and overlapping the side members, and fasteners formed of detachably connected elements securing the overlapped portions of the seat elements in assembled position.

2,244,606
RAIL FLAW DETECTION
Julian H. Bigelow, Endicott, N. Y., assignor to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application September 10, 1938, Serial No. 229,282
4 Claims. (Cl. 175—183)



1. In a rail flaw detector mechanism having means for establishing an electromagnetic field surrounding the rail and means for exploring said field for irregularities due to defects, said exploring means comprising an even number, but more than two, flux responsive means arranged in succession longitudinally of the rail, each flux responsive means being connected with its preceding flux responsive means and with its succeeding flux responsive means in series, said means being spaced relative to one another longitudinally of the rail a critical distance which is such distance that the outputs of adjacent flux responsive means reinforce each other to multiply the voltage output.

2,244,607
PUMP JACK
Karl T. Blakeley, Wills Point, Tex.
Application December 9, 1940, Serial No. 369,345
6 Claims. (Cl. 74—31)

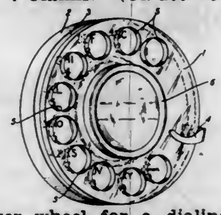


1. A frame, a member reciprocable in the frame having an interior endless rack comprising spaced parallel sides connected at each end with curved parts, a shaft extending within and perpendicular to the plane of the rack, a driving gear fixed to the shaft, a rock frame pivotally mounted on the shaft, and gears mounted on said pivoted frame driven from said fixed gear and including two oppositely disposed gears adapted to engage the opposed parallel rack sides and to be driven in opposite directions, and means for maintaining the rock frame in operative association with the frame at all times.

2,244,608
PROCESS OF MAKING ALLOYS OF ALUMINUM BERYLLIUM
Hugh S. Cooper, New York, N. Y., assignor to Cooper-Wilford-Beryllium, Ltd., New York, N. Y., a corporation of Delaware
No Drawing. Application October 21, 1939, Serial No. 300,659. In Great Britain February 9, 1939
7 Claims. (Cl. 75—138)

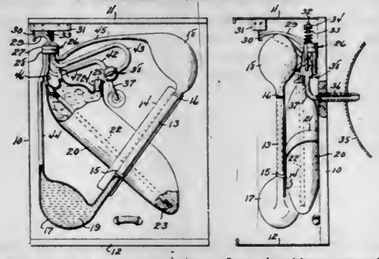
1. The process of making alloys of aluminum and beryllium which comprises mixing together predetermined proportions of powdered aluminum and powdered beryllium, compressing the mixture into a coherent mass, and fusing the said mass in a fused flux bath which is not reactive with the said mass, said flux being characterized also by its ability to force entrained gases from said mass and to prevent oxidation of the aluminum and beryllium during alloying thereof.

2,244,609
CALLING DEVICE
Frank A. Cosgrove, West Orange, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application August 12, 1937, Serial No. 158,814
7 Claims. (Cl. 179—90)



3. A finger wheel for a dialing device, said finger wheel consisting of an opaque and a transparent element concentrically disposed and keyed to each other.

2,244,610
GAS ANALYSIS APPARATUS
Alfred B. Costello, Niagara Falls, N. Y.
Application October 25, 1939, Serial No. 301,277
4 Claims. (Cl. 23—256)



1. A portable apparatus for testing products of combustion for carbon dioxide, comprising a rotatable base, a burette extending at an angular inclination across the base substantially 45° to the horizontal, an absorption chamber extending across the burette substantially at a right angle thereto, a scale disposed longitudinally of the burette, reservoirs at the opposite ends of the burette, a liquid interchangeably receivable in the reservoirs when the base is rotated forward and backward through an arc of about 90° from its initial position to form a pump, a bubble pipe in the absorption chamber,

a liquid seal in the absorption chamber in which the end of the bubble pipe is submerged, a control valve, and respective pipes connecting both of the reservoirs, the bubble pipe, the absorption chamber and the atmosphere with the control valve, a tube projecting through the base for conducting gas to be treated to the control valve, said control valve having a rotatable part adapted to connect said pipes in predetermined sequence, the arrangement being such that at one setting of the valve the base may be rotated clockwise from its initial position to suck said gas into one of the reservoirs, at another setting of the valve the base may be rotated anti-clockwise back to its initial position to expel the gas through the bubble pipe into the absorption chamber, and at another setting of the valve atmospheric pressure is admitted on top of the liquid in the lowermost reservoir to coact with the vacuum created in the other reservoir and in the burette by absorption in the absorption chamber and cause the liquid to rise in the burette so that a reading may be obtained on said scale.

2,244,611
METHOD AND MEANS FOR SPREADING DISKS
Earl R. Couden, Chicago, Ill.
Application April 18, 1938, Serial No. 202,750
26 Claims. (Cl. 141—1)



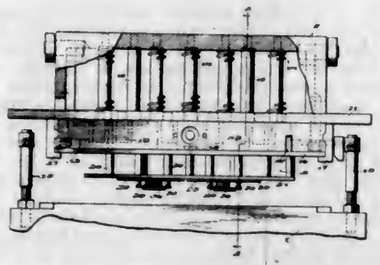
1. Mechanism for spreading disks comprising means including a series of members movable bodily and terminally attached together for engaging the respective disks operative when actuated to move the disks bodily relative to each other progressively greater distances to position the disks in spaced relation and means to move all but one of said members beginning at one point in the series through distances progressively increasing in their order of occurrence in the series from said point.

2,244,612
CONTACT CATALYTIC PROCESS
John A. Crowley, Jr., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application February 10, 1939, Serial No. 255,785
5 Claims. (Cl. 196—52)



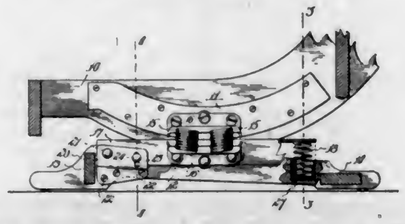
3. A cyclic process for the conversion of hydrocarbons comprising passing hydrocarbon material at conversion temperature through a contact mass composed in part of catalytic material and in part of heat absorptive material, depositing a controlled amount of combustible contaminant upon said contact mass during reaction, and subsequently regenerating said contact mass by a combustion of said controlled amount of contaminant, the exothermic heat of combustion of which would be sufficient, in the absence of heat absorptive material, to raise the temperature of the system to levels damaging to said catalytic material, in which the amount of heat absorptive material, in relation to the controlled contaminant deposit, is sufficient substantially to prevent rise of temperatures during regeneration to damaging levels, and in which the heat absorptive material comprises capsule formed, metal-enclosed portions of fusible material capable of absorbing latent heat of fusion at a temperature above that of the reaction and below that damaging to the catalyst.

2,244,613
DIE
Benjamin W. Freeman, Cincinnati, Ohio
Application July 13, 1936, Serial No. 90,427
Renewed December 27, 1938
32 Claims. (Cl. 101—30)



1. A die unit for use in an ornamenting machine, comprising a base, cutting means on said base, stripping means associated with said cutting means, and mounted for movement relative to said cutting means, means to exert a light yielding pressure against said stripping means to maintain same normally in an extended position relative to said cutting means, and means engageable with said stripping means and with a pressure applying element of the machine, said last means being effective by such engagement to actuate the stripping means through a work stripping operation.

2,244,614
PLATFORM ROCKING CHAIR
Martin Fox, Chicago, Ill., assignor to The Seng Company, Chicago, Ill.
Application May 13, 1940, Serial No. 334,878
9 Claims. (Cl. 155—71)



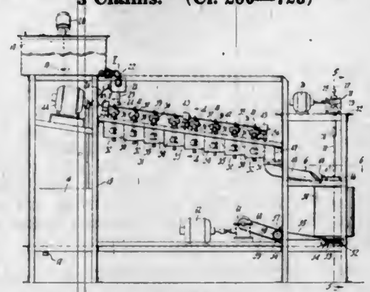
8. A metal fixture for platform rocking chairs comprising a rail on which the rocker of the chair is adapted to rest, a bearing plate for attaching the rail to the platform and to which said rail is pivoted for swinging movement, springs attached to the rail at approximately the center portion thereof, a spring attached to the rail at the end opposite its pivotal connection to the bearing plate, said spring having means for connecting the same to the platform, and means for limiting the swinging movement of the rail.

2,244,615
TOOTHBRUSH
Louis Garcin, Paris, France
Application January 2, 1940, Serial No. 312,112
In France January 3, 1939
1 Claim. (Cl. 15—167)



A tooth brush comprising a support and bristles mounted on one face of said support, the bristles mounted along the sides of said face being longer and stiffer than the bristles mounted in the middle of said face, the longer bristles being inclined inwardly, whereby a longitudinal channel is formed by said bristles, said tooth brush being guided by the teeth while brushing the cusps and the inner and outer sides of the teeth at the same time.

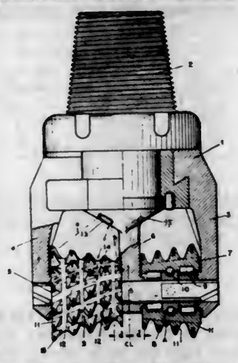
2,244,616
ART OF AERATING VISCOUS LIQUIDS
Harold W. Greenup, Akron, and Norris Johnston, Cuyahoga Falls, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 8, 1937, Serial No. 141,580
3 Claims. (Cl. 260—723)



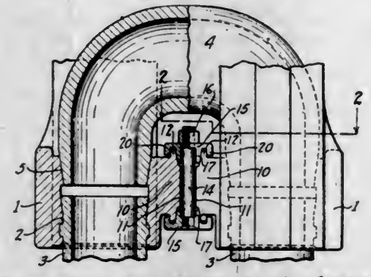
1. That method of aerating latex which comprises whipping the latex with a beater that is only partially submerged therein to form a foam of latex containing relatively large air bubbles, transferring the foam, and whipping the foam with a plurality of separate beaters that are progressively submerged in the foam further than the prior beaters to reduce the size of the air bubbles in the foam.

2,244,617
ROLLER BIT
Charles M. Hannum, Cleveland, Ohio, assignor to The National Tool Company, Cleveland, Ohio, a corporation of Ohio
Application January 14, 1939, Serial No. 250,955
3 Claims. (Cl. 255—71)

1. A roller bit comprising a head, means for rotatably supporting a rotary cutter in said head, said cutter having a series of axially spaced annular rows of teeth and helical gashes extending across said rows of teeth, said gashes being inclined from the inner side to the outer side of said cutter in a direction away from the direction of rotation thereof, and a nozzle mounted in said head in such position as to direct a stream of water against the surface of said cutter in a direction opposite to the direction of rotation thereof.



2,244,618
RETURN BEND FITTING
Clarence B. Harbison, Lima, Ohio, assignor to The Ohio Steel Foundry Company, Lima, Ohio, a corporation of Ohio
Application January 25, 1940, Serial No. 315,546
2 Claims. (Cl. 285—20)

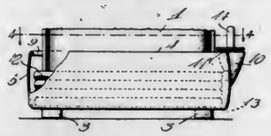


1. In a return bend fitting, a pair of separable yoke sections having extensions on their adjacent sides with spaced confronting faces, and a flange on the inner and outer side of each extension disposed in planes parallel to the section axes and to each other, and fastening means for the sections including a pair of opposing wedge members, and means for drawing such members toward each other, said members having spacing wedge coaction with the confronting faces of said extensions and also having flanges for engaging the outer sides of said extension flanges to limit the section spacing action of the wedge members a predetermined extent.

2,244,619
ELECTRIC TOASTER
Arthur C. Heise and Millard W. Jacobi, Baltimore, Md.
Application March 11, 1939, Serial No. 261,326
3 Claims. (Cl. 242—129)

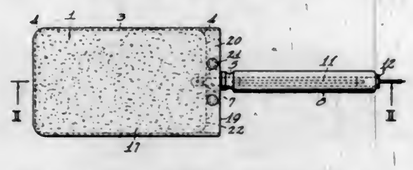
1. In an electric toaster including a shell for enclosing a heating unit, the shell having an opening at its top for insertion of bread to be toasted, and a power cord for the heating unit; an upstanding wall formed integral with and extending outwardly and upwardly from the bottom of the toaster in spaced relation to walls of the shell and together therewith forming a trough for holding the power cord when the toaster is

not in use, the upstanding wall having a portion bulged outwardly to form a pocket open at its top and at its inner side and constituting means



to receive and hold the terminal plug of the power cord after the cord has been wrapped about the toaster shell within the trough.

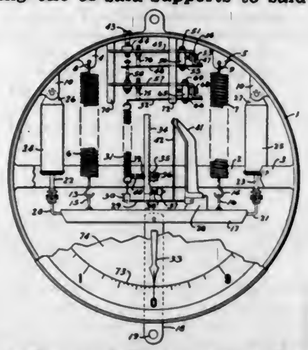
2,244,620
ELECTROPLATING APPARATUS
Walter A. Hesse, Alameda, Calif.
Application July 19, 1938, Serial No. 220,023
1 Claim. (Cl. 204—224)



In an electrolytic apparatus, an electrode comprising a single, flat blade having parallel side edges and a straight transverse rear edge, means for connecting the electrode to a source of electrical energy, an envelope of absorbing material having confronting walls lying flat against the faces of the electrode and having overlapping side margins secured together to form a snug fitting bag around the electrode, with an opening in the rear coextensive with the width of the electrode, the electrode being insertible through the said open rear end, the envelope being of sufficient length to present flat marginal end sections disposed beyond the rear end of the encased electrode and substantially in the plane thereof, and being adapted to be saturated with an electrolyte, a rigid handle extending from the rear of the electrode through said open end whereby the electrode may be manipulated, and snap fasteners disposed in the flat marginal end sections of the envelope on opposite sides of the handle and adjacent thereto for detachably securing said marginal rear sections of the envelope together at the open end thereof to normally retain the electrode against withdrawal from the envelope, the said rear sections of the envelope forming a smooth and flat overlap area lying substantially in the plane of the electrode.

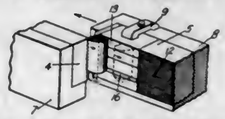
2,244,621
WEIGHING SCALE
Samuel N. Hurt, Toledo, Ohio, assignor to Toledo Scale Company, a corporation of New Jersey
Application September 22, 1938, Serial No. 231,205
10 Claims. (Cl. 265—68)

1. In a device of the class described, in combination, weighing mechanism including a housing therefor, load counterbalancing springs, a plurality of compensating springs cooperating therewith in counterbalancing a load on said weighing mechanism, said compensating springs being adapted to compensate successively for inherent mechanical errors of said load counterbalancing springs, each of said compensating springs having a support, means for pivotally connecting one of said supports to said housing



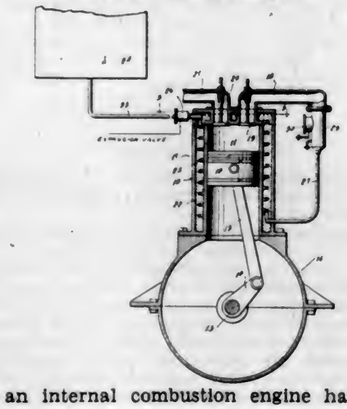
and means for pivotally connecting the other of said supports to one of said compensating springs.

2,244,622
APPARATUS FOR POINTING AND ROLL THREADING BOLTS
Stanton D. Johns, Columbus, Ohio, assignor to The Columbus Bolt Works Company, Columbus, Ohio, a corporation of Ohio
Application June 9, 1939, Serial No. 278,309
4 Claims. (Cl. 80—9)



1. A die for pointing and threading a bolt comprising a face which is adapted to contact with the bolt, said face being provided with a thread forming area for forming a thread on the body portion of the bolt extending throughout a portion of the length thereof and a flat area extending throughout a different portion of the length thereof, and a projecting point forming rib having a smooth face and being disposed along said flat area only.

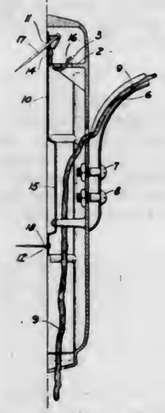
2,244,623
INTERNAL COMBUSTION ENGINE
Nelson M. Jones, Hatchville, Mass.
Application June 6, 1940, Serial No. 339,188
1 Claim. (Cl. 123—133)



In an internal combustion engine having a

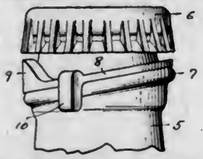
cylinder and piston operable therein and a jacket about the cylinder for a cooling medium, a coil having a multiplicity of convolutions in said jacket and surrounding the cylinder, an expansion valve in line with the coil, means to supply liquid hydrocarbon to the expansion valve and expand it under its own pressure directly into the coil as a gas for its refrigerating effect on the cooling medium, and means outside of the jacket to convey the gas from the coil and utilize it to drive the engine.

2,244,624
LIGHTING FIXTURE
Marcus E. Kanter, Cleveland, Ohio, assignor to Railley Corporation, Cleveland, Ohio, a corporation of Ohio
Application July 19, 1940, Serial No. 346,380
3 Claims. (Cl. 248—224)



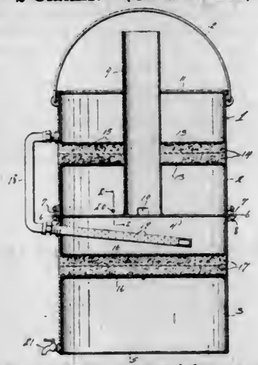
1. A lamp bracket comprising an elongated plaque adapted to be secured upon a wall, a hanger bar for supporting said plaque in vertical position upon a wall, a hook disposed adjacent the upper end of said hanger bar, a portion of said hanger bar being deflected outwardly adjacent the lower end thereof, said plaque having means formed integrally therewith for engaging said hook and additional means also formed integrally with said plaque adapted to engage the deflected portion of said hanger bar so as to hold said plaque in vertical position on the wall.

2,244,625
OPENER FOR CROWN SEALED CONTAINERS
William W. King, Lancaster, Pa.
Application November 1, 1939, Serial No. 302,426
5 Claims. (Cl. 215—46)



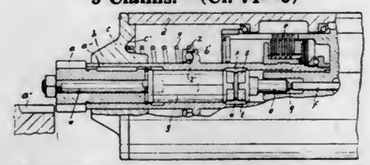
4. A bottle cap opener comprising a continuously formed inclined flange on the neck of the bottle spaced below the lower edge of the cap, a ring member rotatably mounted on the flange and an upstanding projection on said ring member engageable with a limited portion of the edge of the cap for forcing the cap upwardly upon the rotation of said ring member in either direction.

2,244,626
OIL CLEANING AND PURIFYING DEVICE
Irwin F. Kingston, Iron, Minn.
Application August 19, 1939, Serial No. 291,078
2 Claims. (Cl. 210—134)



1. An oil purifier, comprising a pair of receptacles each having a bottom and side wall, one of said receptacles being disposed upon the other whereby the bottom wall of the upper receptacle forms a closing top wall for the lower receptacle, a vertically disposed cylinder in the upper receptacle supported upon the bottom wall thereof and having an outlet aperture at its lower end, the upper end of the cylinder being opened for the reception of oil, a horizontally disposed filtering unit encircling said cylinder above said outlet aperture and dividing the upper receptacle into upper and lower oil receiving spaces, the bottom outlet of said cylinder opening into the lower one of the spaces, a filtering unit horizontally dividing the lower receptacle and dividing the same into upper and lower oil receiving spaces, a pipe leading from the upper oil receiving space of the upper receptacle at the plane of the top of the filter unit therein to and discharging in the upper oil receiving space of the lower receptacle whereby oil flowing therefrom will be discharged on the filter of the lower receptacle, and means for drawing oil off from the lower oil receiving space of the lower receptacle.

2,244,627
STARTING DEVICE
Hermann Klein, Vaihingen-Rohr, and Karl Rothermel, Reichenbach-Fils, Germany, assignors to Robert Bosch G. m. b. H., Stuttgart, Germany
Application August 2, 1940, Serial No. 349,554
In Germany July 8, 1939
5 Claims. (Cl. 74—6)



1. A starting device for internal combustion engines, comprising in combination a coupling member for transmitting the driving motion of the starter motor to the engine, a hollow driving shaft for said coupling member, a push rod operating axially of said shaft and adapted to engage said coupling member with the engine, by axial displacement of said coupling member, a return spring for said coupling member, and a transmission member disposed within said driv-

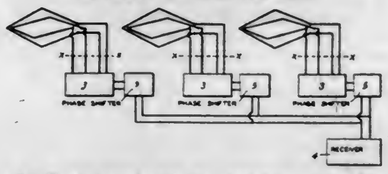
ing shaft and establishing a thrust-transmitting connection between said coupling member and said push rod, said transmission member comprising a plurality of parts which are axially slidable with respect to each other for permitting reduction of the distance between the thrust-transmitting end faces of the transmission member, under action of said return spring, and means adapted to lock said slidable parts in their position of maximum distance between said faces and to release said parts by action of a predetermined centrifugal force, whereby said coupling member will be disengaged from the engine at a predetermined speed, under action of said return spring.

2,244,628

ANTENNA WITH STEERABLE POLARIZATION CHARACTERISTICS

Paul Kotowski, Berlin-Tempelhof, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application May 6, 1939, Serial No. 272,068
In Germany May 16, 1938
3 Claims. (Cl. 250—11)



1. A directional aerial system comprising a plurality of aerial groups, each of said groups comprising elements individually responsive to horizontally and to vertically polarized energy, means for combining the output from said elements in an adjustable phase relationship whereby the resultant polarization response of each group is variable and means for combining the output of all of said groups into a single receiver, the phase of the energy from each group being separately adjustable with respect to the other groups whereby the directivity of said system is variable.

2,244,629

MANUFACTURE OF METHYL BROMIDE

John E. Livak and Amos T. Knutson, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application June 30, 1939, Serial No. 282,082
6 Claims. (Cl. 260—657)

1. In the preparation of methyl bromide by reacting hydrogen bromide with methyl alcohol in the substantial absence of dehydrating agents, the step of carrying the reaction out in the presence of a gaseous reducing agent.

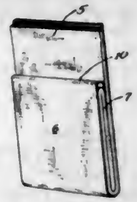
2,244,630

FOLDED NAPKIN

Benjamin H. Metternich, Ashland, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin

Application March 9, 1939, Serial No. 260,843
3 Claims. (Cl. 206—57)

1. A folded paper napkin to be stored and dispensed from a napkin dispenser, consisting of a rectangular sheet of paper having two longitudinal fold lines forming three panels, said sheet being folded upon said longitudinal fold lines to form a multi-ply elongated strip, said strip being then folded on a medial fold line to provide two symmetrical leg portions of multi-ply sheet material, one end of said leg portions being folded



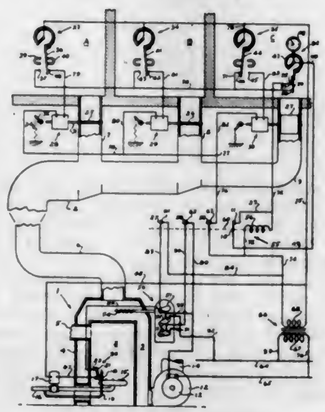
inwardly against the body portion along a fold line spaced a substantial distance from the open end of the other leg portion, thereby providing a grasping reinforced portion, the length of the inwardly folded portion being less than one-half the length of the leg portion.

2,244,631

TEMPERATURE REGULATION

Clarence W. Nessell, Dayton, Ohio, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application September 29, 1938, Serial No. 232,367
5 Claims. (Cl. 236—11)



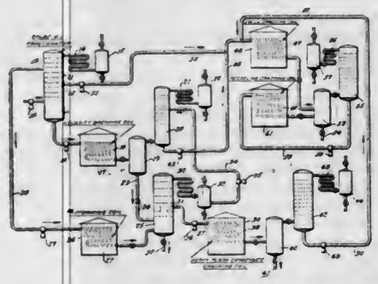
1. In a temperature control system for a building having a plurality of zones, in combination, means for heating a fluid heat transfer medium, means for conveying said heated fluid medium to said zones, an electrical device controlling the supply of fluid medium to each zone, each device permitting the passage of fluid when deenergized, and preventing the passage of fluid when energized, a thermostat in each zone responsive to the temperature of the air therein having a pair of stationary contacts and a movable contact, said movable contact engaging a first stationary contact when calling for heat, and engaging a second stationary contact when said thermostat is satisfied, a relay for controlling said heating means and said devices, said relay when energized permitting operation of said heating means and energization of said devices, and when deenergized preventing operation of said heating means and energization of said devices, a source of electrical energy, an energizing circuit for said relay including said source of energy, said relay, any of said first contacts and its cooperating movable contact, a switch operated by said relay, and an energizing circuit for each controlling device including said source of energy, said relay-operated switch, said controlling device, the second contact and the movable contact of the thermostat in the zone whose supply of fluid is controlled by said device.

2,244,632

CRACKING HYDROCARBON OILS

Edward D. Phinney, Mount Vernon, N. Y., assignor to Gasoline Products Company, Inc., Jersey City, N. J., a corporation of Delaware

Application August 29, 1939, Serial No. 292,385
7 Claims. (Cl. 196—49)



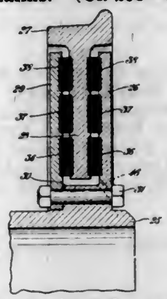
1. In a combination cracking process the method that comprises distilling crude petroleum to form a residue and a fraction comprising gas oil constituents, passing said residue to a single-pass viscosity-breaking zone wherein the residue is subjected to cracking temperature and superatmospheric pressure under viscosity-breaking conditions to effect conversion into gas oil constituents as well as gasoline constituents, separating the resultant viscosity-broken products into vapors and residue, passing the separated vapors to a fractionating zone wherein the vapors are fractionated to separate lighter fractions from reflux condensate comprising gas oil constituents, passing said residue to a flashing zone wherein it is subjected to flash distillation under reduced pressure to separate vapors from residue, passing the flashed vapors to a separate fractionating zone wherein the vapors are fractionated to separate lighter fractions comprising lighter gas oil constituents from heavy reflux condensate, passing said heavy reflux condensate to a second single-pass cracking zone wherein it is subjected to cracking temperature and superatmospheric pressure under conditions to effect an additional conversion into gas oil constituents as well as gasoline constituents, separating the resultant cracked products from the latter single-pass cracking zone into vapors and residue, fractionating the resultant separated vapors to separate lighter fractions from reflux condensate comprising gas oil constituents, combining resultant gas oil constituents with gas oil constituents produced in said distilling of the crude petroleum and with gas oil constituents formed in said first-mentioned fractionating zone and passing the mixture of gas oil constituents to a third cracking zone wherein it is subjected to cracking temperature and superatmospheric pressure under conditions of high cracking per pass to effect conversion into anti-knock gasoline constituents, and fractionating the resultant cracked products from the third cracking zone to recover a desired gasoline product.

2,244,633

RESILIENT WHEEL

Curt Saurer, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application December 4, 1937, Serial No. 178,085
9 Claims. (Cl. 295—11)



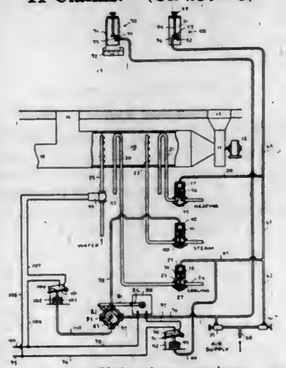
1. In a resilient wheel for rail vehicles, the combination of a hub structure comprising a radially outwardly extending flange, a tire structure concentric with said hub structure and comprising a radially inwardly extending flange disposed laterally of said hub flange in spaced relation thereto, and resilient elements disposed within the space between the adjacent lateral faces of the hub flange and tire flange and constituting the sole means connecting said structures to each other, said space being open to the exterior of the wheel at radially spaced apart points whereby a circulation of air within said space is effected when the wheel rotates.

2,244,634

AIR CONDITIONING SYSTEM

Wilbur H. Sisson, Kansas City, Mo., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

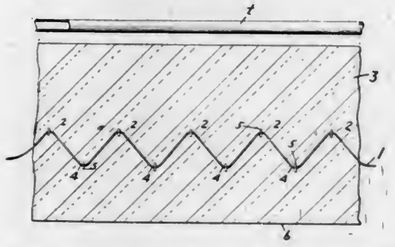
Application March 17, 1939, Serial No. 262,502
11 Claims. (Cl. 257—3)



1. In an air conditioning system, an air conditioning chamber, means for circulating air through said chamber and through a space to be conditioned, means for heating the air passing through said chamber, means for cooling the air passing through said chamber, first and second means for adding moisture to the air passing through said chamber, means for supplying moisture to said first moisture adding means at high temperature, means for supplying moisture to said second moisture adding means at low temperature, means responsive to a condition indicative of the humidity of the air in the enclosure

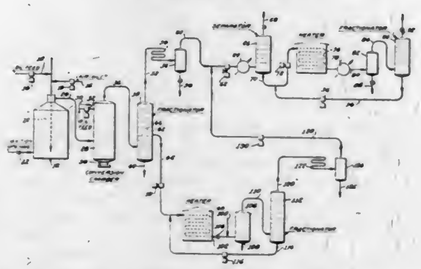
for controlling said first and second moisture adding means, and means responsive to the dry bulb temperature of the air in the enclosure for selectively placing the first or second moisture adding means under the control of said last named means and for controlling the heating and cooling means.

2,244,635
STATICPROOF HOSE AND METHOD OF MAKING SAME
Frederick B. Williamson, Jr., New Hope, Pa., assignor to The Whitehead Bros. Rubber Co., Trenton, N. J., a corporation of New Jersey
Application April 23, 1940, Serial No. 331,114
4 Claims. (Cl. 154—8)



3. The method of making a staticproof hose having plies which consists in attaching the apexes of the alternate loops or bights of a sinuous static conductor at spaced points and in a substantially straight line to the face of a fabric wide enough when wrapped on an inner tube and on itself to provide all the plies and attaching the apexes of the intermediate loops at spaced points in another line substantially parallel to the first and spaced from it a distance substantially equal to the circumference of the hose, said sinuous conductor being spaced inward from the side edges of the fabric far enough to provide material for plies on each side of it, and wrapping the fabric carrying the conductor on the inner tube of the hose and on itself as a single operation.

2,244,636
TREATMENT OF HYDROCARBONS
Harold V. Atwell, White Plains, N. Y., assignor to Process Management Company, Incorporated, New York, N. Y., a corporation of Delaware
Application April 2, 1938, Serial No. 199,560
1 Claim. (Cl. 196—10)



A process for treating hydrocarbons that comprises mixing a condensate oil with less than the total amount of oxygen-containing gas necessary for complete combustion so that the oil undergoes vaporization and partial combustion with conversion into lower boiling hydrocarbons containing unsaturated hydrocarbons, introducing a residual charging stock into a single-pass cracking zone, directing the resultant hot products formed by the partial combustion of the condensate oil into said single-pass cracking zone in contact with the residual charging stock to thereby maintain it at a coking temperature and effect conversion into a coke residue and vapors and gases comprising additionally formed unsaturated hydrocarbons, fractionating said vapors and gases to form fractions comprising light distillate, higher boiling reflux condensate and a normally gaseous fraction including unsaturated hydrocarbons, passing said reflux condensate to a recycling cracking zone wherein it is subjected to cracking conditions of temperature and pressure to effect conversion into lower boiling hydrocarbons including additionally formed unsaturated hydrocarbons, separating the resultant cracked products from the recycling cracking zone into residue and vapors and gases, fractionating the latter vapors and gases to form fractions comprising light distillate, higher boiling reflux condensate and a normally gaseous fraction including unsaturated hydrocarbons, directing the latter reflux condensate to said recycling cracking zone, combining said normally gaseous fractions and directing the mixture to a conversion zone wherein it is subjected to conversion conditions of temperature and pressure to effect conversion into higher boiling normally liquid hydrocarbons, fractionating the resultant products of conversion to separate out a fraction comprising unconverted normally gaseous hydrocarbons and directing the latter fraction to said conversion zone.

2,244,637
LINKAGE
Adolph Better, New York, N. Y., assignor to Reinad Novelty Co., Inc., New York, N. Y.
Application April 10, 1941, Serial No. 387,818
6 Claims. (Cl. 59—80)

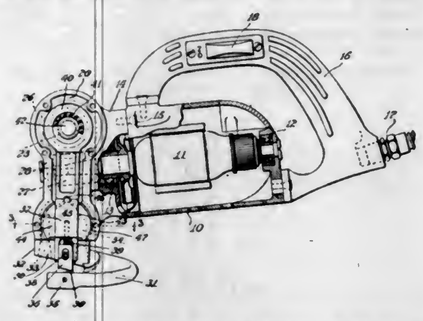


1. A linkage composed of alternate double bar links and single bar links intermediate the bars of said double bar links, crosspins between the bars of said double bar links integral therewith, slots in said single bar links for receiving said crosspins, and tongues on said single bar links on the inward side of said crosspins bent over them and forming, together with the walls of said slots, bearings within which said crosspins are free to rotate, thereby allowing said single bar and double bar links to freely turn relatively to one another.

2,244,638
SHEARS
Ralph H. Boardman, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application August 2, 1940, Serial No. 349,893
8 Claims. (Cl. 30—228)

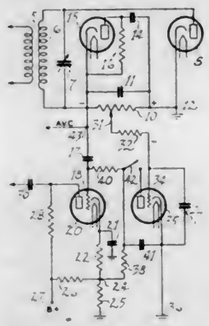
1. Power driven shears comprising a housing, a transverse drive shaft rotatably supported therein and having an eccentric, a stationary cutter carried by the housing, an oscillator rotatably supported in the housing between said cutter and

said shaft, and a movable cutter carrier having one end mounted on said eccentric and a portion



slidably supported in said oscillator adjacent the stationary cutter.

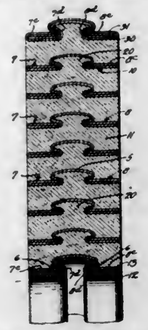
2,244,639
NOISE SUPPRESSOR CIRCUITS
Frederick T. Budelman, Little Falls, N. J., assignor to Fred M. Link, New York, N. Y.
Application March 14, 1939, Serial No. 261,693
3 Claims. (Cl. 250—20)



3. In a radio receiver, the combination of, a detector circuit, a noise suppressor circuit adapted to exclude noise impulses from the output of said detector circuit, an audio amplifier following said detector circuit, and a squelch circuit which normally blocks said audio amplifier and, in combination with the said noise suppressor circuit, permits amplification of detected signals only.

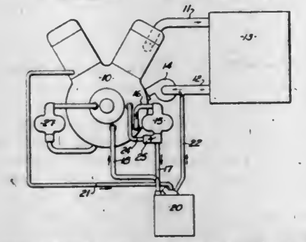
2,244,640
GASKET
Arthur G. Davis, South Merchantville, N. J., assignor to United States Gasket Company, Camden, N. J., a corporation of New Jersey
Application December 31, 1940, Serial No. 372,645
8 Claims. (Cl. 288—27)

1. A gasket comprising a metal strip spirally wound and a non-metallic packing strip interposed between the convolutions, said metal strip having a bead portion extending longitudinally at the medial region thereof, reentrant continuously extending pocket portions at the base of each side of said bead portion, the two outermost and innermost metal convolutions of said metal strip being in face contact without any packing interposed therebetween, said outer and inner convolutions being fixedly locked together and the marginal flanges thereof folded inwardly toward said bead portions and the free edges of



said flanges being inserted and locked in said pocket portions.

2,244,641
HEATING AND COOLING SYSTEM FOR ENGINE LUBRICATING OIL
Louis F. Fedders, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.
Application October 27, 1939, Serial No. 301,631
7 Claims. (Cl. 123—196)

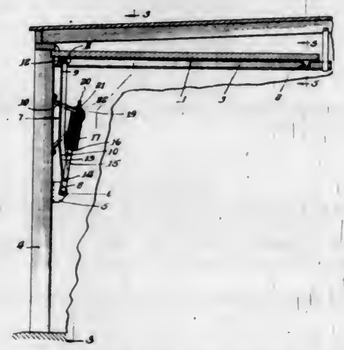


1. A combined heating and cooling system for the lubricating oil of internal combustion engines of the glycol cooled type, comprising an oil radiator having a thermally related core and heating element, said core having air passages therethrough and having a plurality of internal oil passages therein, said oil passages forming in effect a plurality of narrow paths through which hot oil may pass freely and through which cold oil may pass with difficulty, pump means for directing oil through the core, a return conduit from the core to the engine, a by-pass circuit for the pump having pressure-responsive means operative when the oil passages of the core are substantially blocked by cold oil, a glycol circuit including a feed conduit from the engine for directing the hot glycol fluid into the heating element and a return conduit from the element to the engine, a valve interposed in the glycol circuit, and thermostatic means responsive to temperature conditions in the core for controlling said valve in the glycol circuit.

2,244,642
GARAGE DOOR
William D. Ferris, Cecil R. Wolf, and Neil M. Foulds, Whiteside County, Ill., assignor to Frants Manufacturing Co., Sterling, Ill., a corporation of Illinois
Application July 6, 1939, Serial No. 282,986
6 Claims. (Cl. 20—19)

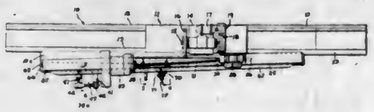
1. In a mounting construction for a garage door

including a door frame and a door having a vertical closed position and a substantially horizontal overhead open position with respect to the frame, and including a lever, means for pivoting said lever to said frame at a fixed point, means for pivoting a spaced portion of said lever to the lower portion of the door whereby said lever is shiftable with the door about said fixed pivot between upwardly and downwardly extending fixed positions, and tensioning means acting on the lever to counterbalance the weight of the door; said tensioning means including a power pivot associated with said lever at a point intermediate of said fixed and door pivot means and



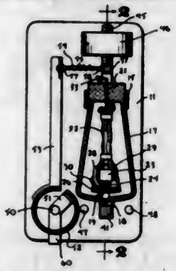
arcuately shiftable with said lever in a predetermined path about the fixed pivot, elastic means having a fixed portion adapted to be relatively fixed with respect to the frame and an elastically extensible portion shiftable relatively thereto, said elastic means being located with its fixed portion radially outwardly of said arcuate path, link means between said extensible portion and said power pivot for transmitting power to said lever, and means associated with said lever and shiftable in an arcuate path intersecting said tensioning means at a point adjacent said extensible portion when the lever is in substantially door-closing position for providing an elastic buffer.

2,244,643
GRINDING MACHINE—SWIVEL TABLE ADJUSTMENT
Carl G. Flygare, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application October 8, 1938, Serial No. 233,912
5 Claims. (Cl. 51—50)



1. In a grinding machine having a base, a swivel table thereon, pivotal connections between said base and one end of said table, a motor driven swivelling mechanism supported on said base and arranged to swivel the other end of said table, and an intermediate swivel table adjusting mechanism including a screw, a nut on said screw which serves to adjust the swivel table at a point substantially midway between said pivot and power swivelling mechanism whereby compensation may be made for flexing of the table during adjustment thereof.

2,244,644
AUTOMATICALLY VARIABLE RESISTANCE
Gifford I. Holmes, Minneapolis, and Robert S. Craig, Robbinsdale, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 15, 1938, Serial No. 219,396
14 Claims. (Cl. 201—55)



9. In a device of the character described, a hermetically sealed tube, a relatively small indentation in the floor of said tube, a globule of mercury carried in said indentation, an elongated resistance element, a member carrying said resistance element, said member being sealed within said tube by laterally flexible means and movable with respect thereto, said resistance being held in a position so as to contact the surface of said globule of mercury, relative movement between said member and said tube causing a longitudinal movement of said resistance element with respect to said mercury, and means outside said tube for causing relative movement between said member and tube.

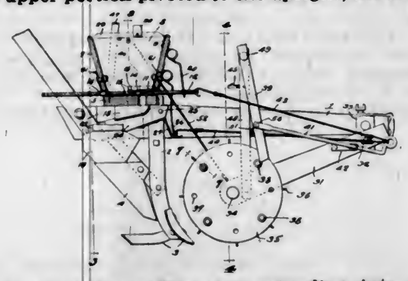
2,244,645
PROCESS OF DIMERIZATION
Ralph A. Jacobson, Landenberg, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 14, 1940, Serial No. 318,832
10 Claims. (Cl. 260—485)

1. The process of preparing dimethyl alpha, alpha' dimethyl dihydromuconate which comprises passing vaporized methyl methacrylate together with hydrogen in contact with a catalyst consisting of silica gel admixed with oxides of thorium, copper and uranium, the said catalyst being heated to a temperature of about 350° C., allowing the vapors to remain in contact with the catalyst for a period of about 5 to 30 seconds, condensing the vapors, fractionally distilling the condensate to obtain a fraction consisting predominately of dimethyl alpha, alpha'-dimethyl dihydromuconate, and a recovered methyl methacrylate fraction, and submitting the recovered methyl methacrylate fraction to reaction as before.

2,244,646
PLANTER AND FERTILIZER DISTRIBUTOR
Martin Vandver Summers, Kirbyville, Tex.
Application July 15, 1939, Serial No. 284,774
2 Claims. (Cl. 275—2)

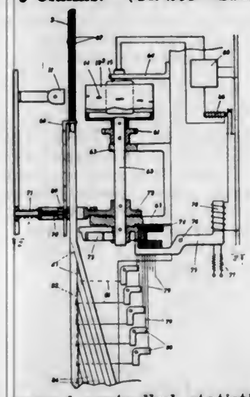
2. In a distributor for soil tilling agricultural implements, a support, a hopper, an outlet control for the hopper, means for mounting the hopper on the support, a rearwardly extended wheel carrier, means for pivoting the forward portion of the wheel carrier to the support, to permit the rear portion of the wheel carrier to be raised and lowered, means under the control

of an operator for raising and lowering the wheel carrier, a ground wheel journaled on the wheel carrier and having projections, an upright on the wheel carrier, a depending radius arm having its upper portion pivoted to the upright, the lower



portion of the radius arm extending into the path of the projections, a forwardly extended pitman having its rear end pivoted to the radius arm, means for guiding the pitman on the wheel carrier, and a connection between the pitman and the outlet control.

2,244,647
RECORD CONTROLLED STATISTICAL MACHINE
Daniel Broido, London, England
Original application March 8, 1938, Serial No. 194,543. Divided and this application February 17, 1939, Serial No. 256,939. In Great Britain March 10, 1937
6 Claims. (Cl. 209—111)



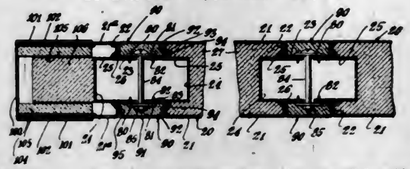
1. In a record-controlled statistical machine employing a scanning device comprising a source of radiant energy, a device sensitive to said radiant energy and a slotted scanning element adapted to scan marked records, the markings on which are capable of modifying the radiant energy employed, the combination with said scanning device of a flap-controlled sorting device, a plurality of armatures, one associated with each slot on the scanning element, an electromagnet acting commonly on all of said armatures, and controlled by the device sensitive to radiant energy, a plurality of cams, one associated with each slot on the scanning element and with each of said armatures, cooperating with said electromagnet to control the movements of the armatures, means for driving the cams in synchronism with the slotted scanning element, whereby each cam renders its associated armature operable by said electro-magnet as the slot associated therewith passes through the scanning plane, and means controlled by the movement of each armature for controlling the operation of a flap of the sorting device whereby as the record card passes through the machine, it is guided by said flap into one of a plurality of compartments in accordance with a marking on said record card through which radiant energy passed during the scanning operation to actuate the device sensitive to radiant energy.

2,244,648
METHOD OF PRODUCING SELF-SEALING TIRE INNER TUBES
Frank G. Carnahan, Akron, Ohio
Application June 5, 1940, Serial No. 338,943
7 Claims. (Cl. 154—15)



2. Steps in the method of producing puncture self-sealing inner tubes for tires which consist of forming the air chamber of the tube by placing a rubber tube blank of vulcanizable rubber of predetermined dimensions about a tube shaping form of predetermined dimensions; attaching to the outer surface of the wall of the air chamber, blocks of vulcanizable rubber containing a non-vulcanizable sealing substance, said blocks being so arranged that predetermined points make broken joints which prevent a continuous partition, longitudinally, around the air chamber; covering the assembly with a sheet of vulcanizable rubber; vulcanizing the parts, the sealing composition remaining unvulcanized.

2,244,649
SECTIONAL PARTITION
Robert F. Carpenter and Clyde J. Daugherty, Cleveland, Ohio, assignors, by mesne assignments, to The Sanymetal Products Co., Inc., Cleveland, Ohio, a corporation of Ohio
Application March 31, 1932, Serial No. 602,142
45 Claims. (Cl. 189—34)

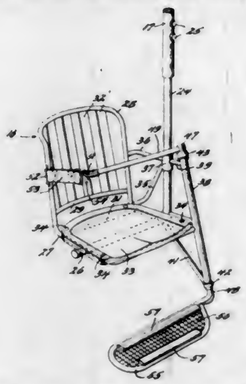


30. In partition construction, in combination, a plurality of separately erectable panel units adapted to be arranged in aligned spaced relationship, connecting means for the panel units, said units having recessed shoulder portions along the vertical edges thereof, and a cap member adapted to seat within and between the recessed shoulders of adjacent panel units with the outer surface thereof substantially flush with the adjacent portions of the panel units.

2,244,650
CHAIR FOR AERIAL TRAMWAYS
James M. Curran and Glen H. Trout, Omaha, Nebr.
Application August 2, 1940, Serial No. 349,506
8 Claims. (Cl. 155—2)

3. A seat structure for use by persons wearing

skis and suited for suspension from aerial cableways, said structure comprising in combination, a seat element; a suspending element connected with said seat element and arranged to leave the front and one side of the seat element free from obstruction; an approximately vertical elongated bearing element sustained by said suspending element at the other side of said seat element; a shaft supported by said bearing element and ro-



tatable relatively thereto; a footrest fixed to the lower end of said shaft and a guard fixed to the upper end of the shaft, so arranged that the footrest and guard may swing simultaneously between active positions in which the footrest is in front of and lower than the seat element and the guard is over the forward portion of the seat element, and inactive positions in which both footrest and guard clear the front of the seat element.

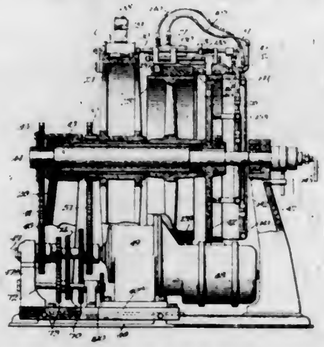
2,244,651

COATING APPARATUS

George Goebel and Harry A. Rau, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application July 16, 1937, Serial No. 154,108

14 Claims. (Cl. 91—45)



4. A container coating apparatus comprising a rotary member adapted to support containers at spaced points on its periphery, means to bodily rotate the containers on said rotary member, liquid projecting means mounted in axial alignment with each container and movable with said rotary member, cam means to move said liquid projecting means longitudinally with respect to the containers, means to supply liquid to said liquid projecting means, and means to control the flow of liquid to said projecting means responsive to the presence of containers on said rotary member.

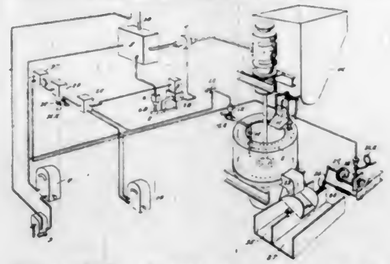
2,244,652

CENTRIFUGAL WASHING CONTROL

Ernest G. Kochli, Brooklyn, N. Y., assignor to Applied Sugar Laboratories, Inc., New York, N. Y., a corporation of New York

Application May 22, 1939, Serial No. 274,928

9 Claims. (Cl. 210—67)



1. In centrifugal apparatus adapted for the purification of sugar, the combination with a centrifugal and driving means therefor; of means actuated by an operative electrical circuit to supply wash water to sugar in said centrifugal; means responsive to variations in the speed of said centrifugal; and means operated by said speed-responsive means, to place said electrical circuit in operation and thereby supply wash water at a predetermined speed of said centrifugal, and means to place said electrical circuit in inoperative condition and thereby to discontinue the supply of said wash water at the expiration of a predetermined period.

2,244,653

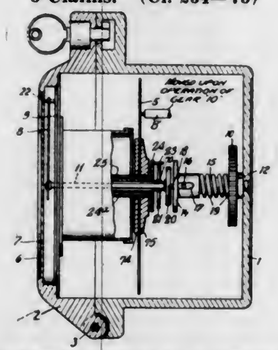
INDICATING AND RECORDING APPARATUS

Karl Meer, Villingen, Schwarzwald, Germany, assignor to Kienzle Taxameter- und Apparate A. G., Villingen, Schwarzwald, Germany

Application June 24, 1938, Serial No. 215,550

In Germany July 1, 1937

5 Claims. (Cl. 234—75)



4. An indicating apparatus comprising a casing; a cover hinged thereto; an indicator spindle mounted in the cover and extending rearwardly toward the interior of the casing and movable from actuated to unactuated position; a frontwardly visible indicator pointer mounted on the front of the spindle; an actuated spindle mounted in the casing for partial rotation in alinement with the other spindle; a disk mounted fast on one spindle; a member mounted on the other spindle and provided with a projecting pointed pin eccentric to the spindles; the disk being provided with a substantially circular face having a radial recess of V-shaped cross-section, in which recess the point of said pin is engageable; and yieldable means to hold said pin in said recess; said disk having a smooth face on which the pin will yieldably engage when away from the recess; said face being adapted to guide the pin to the recess when the spindles are moved to bring the pin into registration with the recess.

2,244,654

RUBBER RECLAIMING

Fritz Rostler and Vilma Mehner, Vienna, Germany

No Drawing. Application March 23, 1939, Serial No. 263,810. In the Netherlands, Poland, and Danzig October 2, 1936

4 Claims. (Cl. 260—712)

1. The method of treating waste rubber, which comprises heating the waste rubber with an aqueous solution of caustic alkali and a rubber-miscible oil derived from the waste products of petroleum refining, said oil comprising essentially viscous unsaturated hydrocarbons of high molecular weight having substantially the composition 90 per cent carbon and 10 per cent hydrogen, and being miscible with rubber in all proportions, soluble in sulfuric acid, reactive with sulfur, and capable of co-vulcanization with rubber and sulfur to produce high quality rubber goods.

2,244,655

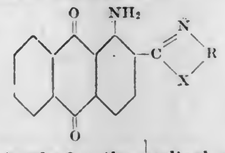
VAT DYESTUFFS OF THE ANTHRAQUINONE SERIES

Hans Schlichenmaier and Ludwig Wilhelm Berlin, Frankfort - on - the - Main, and Erich Berthold, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

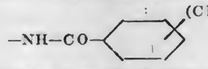
No Drawing. Application February 4, 1939, Serial No. 254,538. In Germany February 9, 1938

8 Claims. (Cl. 260—303)

1. Vat dyestuffs of the anthraquinone series corresponding to the formula



wherein R stands for the radical of an unsubstituted anthraquinone, X for a member selected from the group consisting of —O— and —S—, the linkages from N and X to R leading to neighboring positions of R, and containing in one of the alpha positions of the aminoanthraquinonyl radical the group

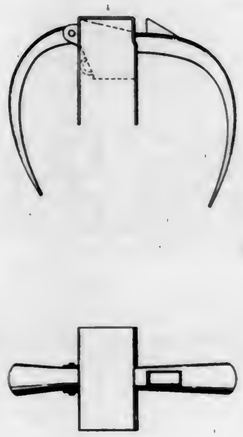


n being an integer up to 2, the other positions being occupied by hydrogen.

DESIGNS

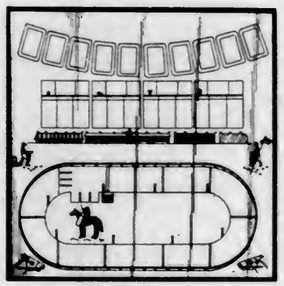
JUNE 3, 1941

127,558
DESIGN FOR A DOOR LATCH
Richard T. Anderson, Stacy, Minn.
Application August 1, 1940, Serial No. 94,116
Term of patent 14 years



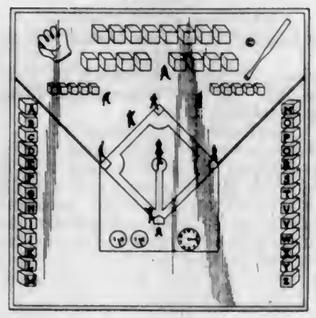
The ornamental design for a door latch, as shown.

127,559
DESIGN FOR A GAME BOARD
Maynard R. Andreae, Detroit, Mich.
Application April 22, 1940, Serial No. 91,845
Term of patent 3½ years



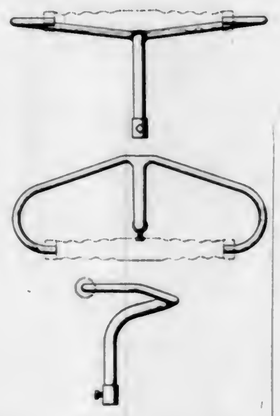
The ornamental design for a game board, as shown.

127,560
DESIGN FOR A GAME BOARD
Peter C. Boalen, Detroit, Mich.
Application May 13, 1940, Serial No. 92,337
Term of patent 3½ years



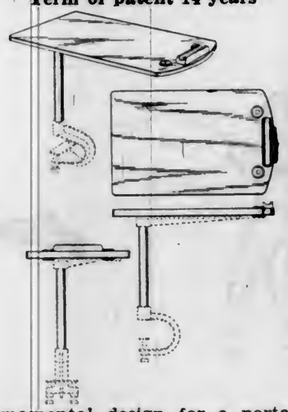
The ornamenal design for a game board, as shown.

127,561
DESIGN FOR A HANDLE FOR VELOCIPEDE OR THE LIKE
Cecil C. Cash, Glen Ellyn, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application March 19, 1941, Serial No. 99,707
Term of patent 14 years



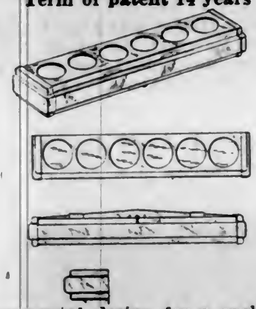
The ornamental design for a handle for velocipede or the like, substantially as shown and described.

127,562
DESIGN FOR A PORTABLE SCORE TABLE
Ellery J. Cloutier, Muskegon, Mich., assignor to The Brunswick - Balke - Collender Company, Chicago, Ill., a corporation of Delaware
Application April 7, 1941, Serial No. 100,189
Term of patent 14 years



The ornamental design for a portable score table, as shown and described.

127,563
DESIGN FOR A RACK FOR GLASSES OR THE LIKE
Ellery J. Cloutier, Muskegon, Mich., assignor to The Brunswick - Balke - Collender Company, Chicago, Ill., a corporation of Delaware
Application April 7, 1941, Serial No. 100,190
Term of patent 14 years



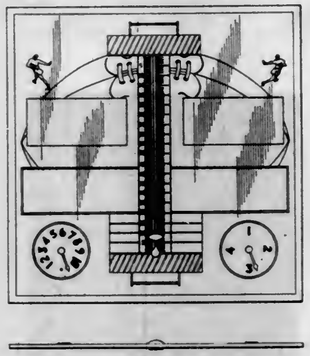
The ornamental design for a rack for glasses or the like, as shown.

127,564
DESIGN FOR A PIN OR SIMILAR ARTICLE
Helen Marie Dunn, Poughkeepsie, N. Y.
Application April 18, 1941, Serial No. 100,485
Term of patent 3½ years



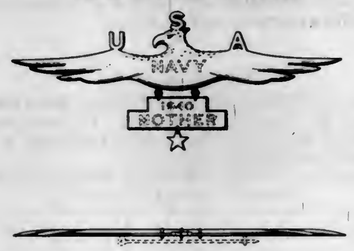
The ornamental design for a pin or similar article, substantially as shown and described.

127,565
DESIGN FOR A GAME BOARD
Marion A. Elliotte, St. Petersburg, Fla.
Application April 22, 1940, Serial No. 91,846
Term of patent 14 years



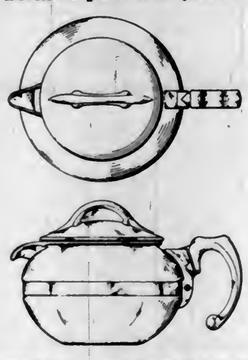
The ornamental design for a game board, as shown.

127,566
DESIGN FOR A BROOCH
Edward M. Gamez, Los Angeles, Calif.
Application November 20, 1940, Serial No. 96,718
Term of patent 14 years



The ornamental design for a brooch, as shown.

127,567
DESIGN FOR A TEAPOT
Paul V. Gardner, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application March 5, 1941, Serial No. 99,364
Term of patent 14 years



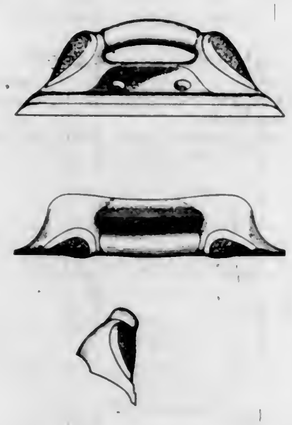
The ornamental design for a teapot, as shown.

127,568
DESIGN FOR A TEXTILE FABRIC
Thomas F. Gurry, Jr., Port Washington, N. Y.
Application March 24, 1941, Serial No. 99,795
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

127,569
DESIGN FOR A BURIAL VAULT HANDLE
Wilbert W. Haase, Forest Park, Ill., assignor to Wilbert W. Haase Co., Forest Park, Ill., a corporation of Illinois
Application November 20, 1940, Serial No. 96,710
Term of patent 14 years



The ornamental design for a burial vault handle, as shown.

127,570
DESIGN FOR A BROOCH
Paul Kordish, Mansfield, Ohio
Application January 30, 1941, Serial No. 98,558
Term of patent 7 years



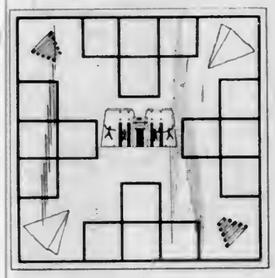
The ornamental design for a brooch, as shown.

127,571
DESIGN FOR A TEXTILE FABRIC
Sylvia Sherman, New York, N. Y.
Application May 6, 1941, Serial No. 100,802
Term of patent 3½ years



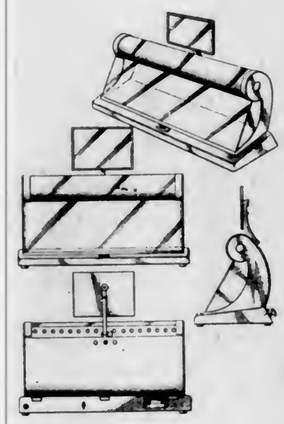
The ornamental design for a textile fabric, substantially as shown and described.

127,572
DESIGN FOR A GAME BOARD
William G. Stewart, Riverside, Ontario, Canada
Application April 22, 1940, Serial No. 91,829
Term of patent 3½ years



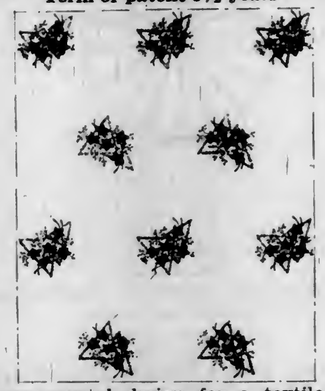
The ornamental design for a game board, as shown.

127,573
DESIGN FOR A MERCHANDISE DISPLAY CASE
José Trojan, Chicago, Ill., assignor to Owen Householder and David C. Cohen, copartners, doing business as Crystal Manufacturing Co.
Application April 17, 1941, Serial No. 100,475
Term of patent 3½ years



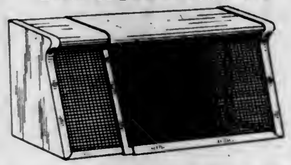
The ornamental design for a merchandise display case, substantially as shown.

127,574
DESIGN FOR A TEXTILE FABRIC
Allan Zimmerman, New York, N. Y.
Application March 1, 1941, Serial No. 99,286
Term of patent 3½ years



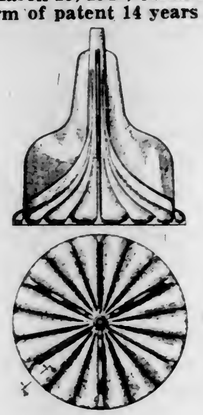
The ornamental design for a textile fabric, substantially as shown.

127,575
DESIGN FOR A COMBINED HOT AIR SHIELD AND FILTER
Joseph R. Barclay, Muncie, Ind.
Application January 17, 1941, Serial No. 98,162
Term of patent 3½ years

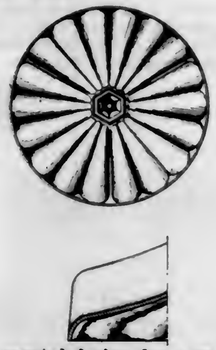


The ornamental design for a combined hot air shield and filter, as shown and described.

127,576
DESIGN FOR A WASHING MACHINE AGITATOR
Howard B. Barber, Glenview, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application March 19, 1941, Serial No. 99,708
Term of patent 14 years

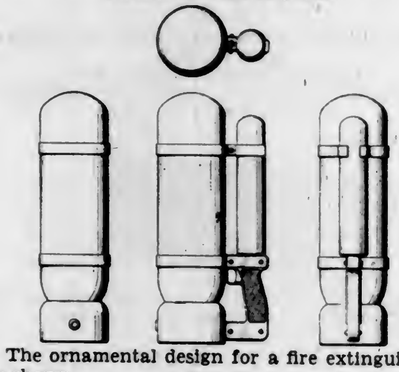


127,576—Continued



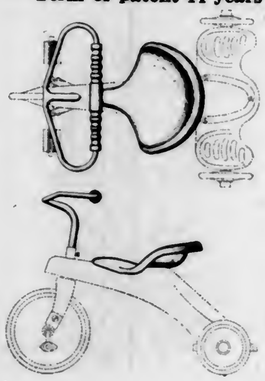
The ornamental design for a washing machine agitator, substantially as shown.

127,577
DESIGN FOR A FIRE EXTINGUISHER
Frank C. Bishop, Atherton, and Aldus L. Hershey, San Francisco, Calif.
Application March 3, 1941, Serial No. 99,290
Term of patent 14 years

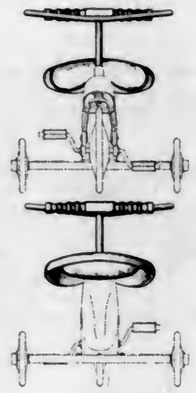


The ornamental design for a fire extinguisher, as shown.

127,578
DESIGN FOR A VELOCIPEDE OR THE LIKE
Cecil C. Cash, Glen Ellyn, Ill., assignor to Montgomery Ward & Co., Incorporated, Chicago, Ill., a corporation of Illinois
Application March 19, 1941, Serial No. 99,706
Term of patent 14 years

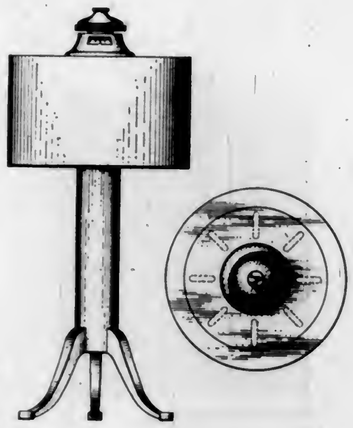


127,578—Continued



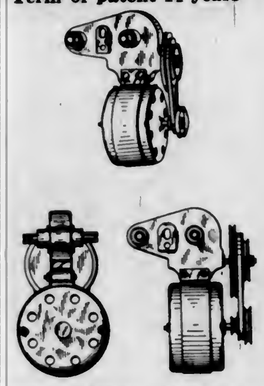
The ornamental design for a velocipede or the like, substantially as shown and described.

127,579
DESIGN FOR A RADIO RECEIVING SET
Daniel J. Crowley, Grosse Pointe, Mich.
Application February 3, 1941, Serial No. 98,706
Term of patent 14 years



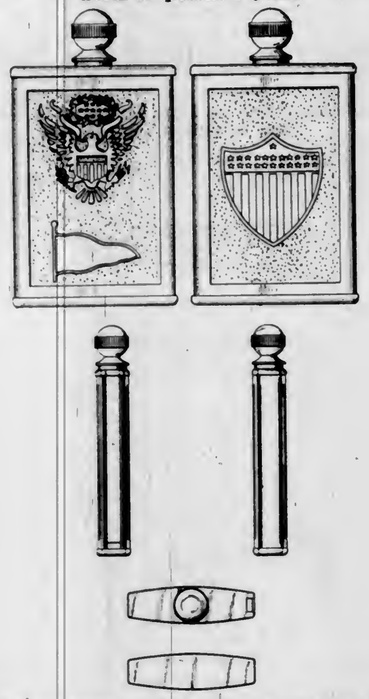
The ornamental design for a radio receiving set, substantially as shown.

127,580
DESIGN FOR A MOTOR UNIT FOR OPERATING MOTION DISPLAYS
Milton S. Dunkelberger, Dayton, Ohio
Application July 18, 1940, Serial No. 93,767
Term of patent 14 years



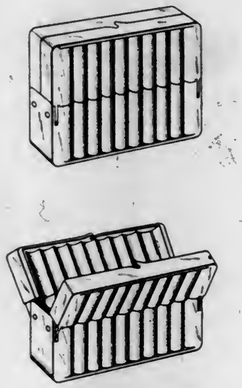
The ornamental design for a motor unit for operating motion displays, substantially as shown and described.

127,581
DESIGN FOR A CIGAR AND CIGARETTE LIGHTER
Jack Galter, Chicago, Ill.
Application February 17, 1941, Serial No. 99,033
Term of patent 7 years



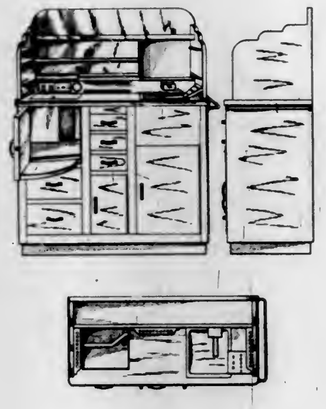
The ornamental design for a cigar and cigarette lighter, substantially as shown.

127,582
DESIGN FOR A CIGARETTE CASE OR SIMILAR ARTICLE
Max L. Goldbert, New York, N. Y.
Application March 21, 1941, Serial No. 99,875
Term of patent 14 years



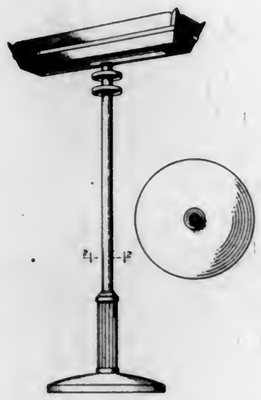
The ornamental design for a cigarette case or similar article, as shown.

127,583
DESIGN FOR A LABORATORY UNIT
Joseph Ralph La Vietes, Brooklyn, N. Y.
Application March 5, 1941, Serial No. 99,359
Term of patent 7 years



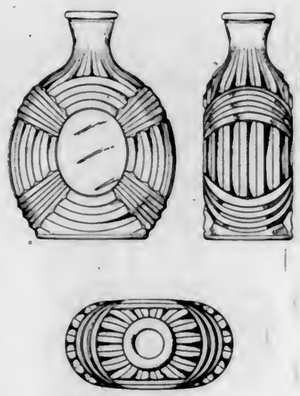
The ornamental design for a laboratory unit, substantially as shown.

127,584
DESIGN FOR A FLUORESCENT FLOOR LAMP
John F. Livers, Decatur, Ill., assignor to Faries Manufacturing Company, Decatur, Ill., a corporation of Illinois
Application September 28, 1940, Serial No. 95,478
Term of patent 3½ years



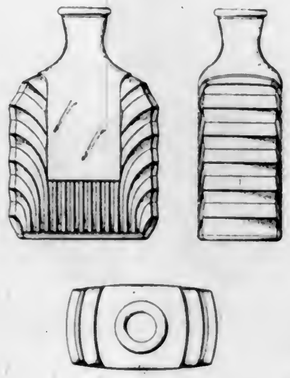
The ornamental design for a fluorescent floor lamp, as shown.

127,585
DESIGN FOR A BOTTLE
Arnold I. Lorenzen, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 14, 1940, Serial No. 97,321
Term of patent 14 years



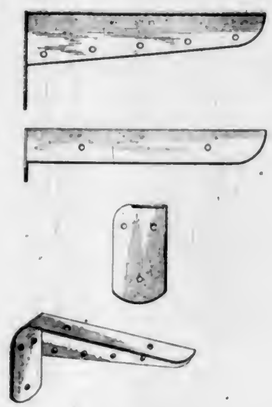
The ornamental design for a bottle, substantially as shown and described.

127,586
DESIGN FOR A BOTTLE
Arnold I. Lorenzen, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 14, 1940, Serial No. 97,324
Term of patent 14 years



The ornamental design for a bottle, substantially as shown and described.

127,587
DESIGN FOR A COMBINATION SHELF BRACKET AND GARMENT HANGER
Thomas C. MacArthur, Berkeley, Calif.
Application July 24, 1939, Serial No. 86,219
Term of patent 14 years



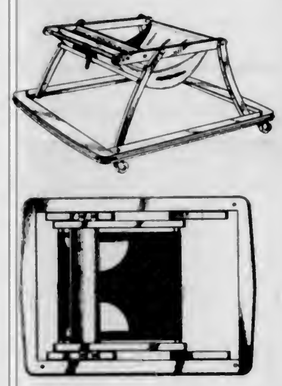
The ornamental design for a combination shelf bracket and garment hanger, as shown.

127,588
DESIGN FOR A COMBINATION WORKBENCH AND TOOL CHEST
Frank M. Owen, Pasadena, Tex.
Application March 20, 1941, Serial No. 99,740
Term of patent 14 years



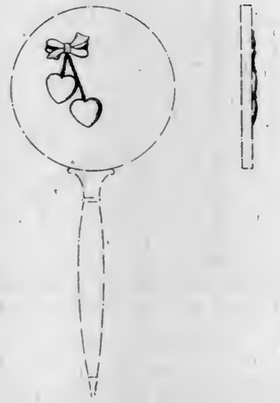
The ornamental design for a combination workbench and tool chest, as shown.

127,589
DESIGN FOR A BABY'S COLLAPSIBLE WALKER OR SIMILAR ARTICLE
Leslie Peltier, Delphos, Ohio, assignor to The Delphos Bending Company, Delphos, Ohio, a corporation of Ohio
Application October 2, 1940, Serial No. 95,567
Term of patent 14 years



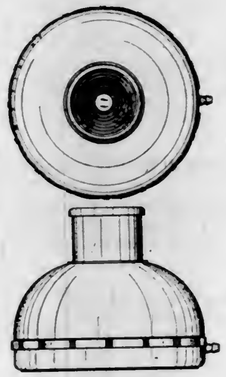
The ornamental design for a baby's collapsible walker or similar article, as shown.

127,590
DESIGN FOR A HAND MIRROR FRAME OR THE LIKE
Alfred F. Reilly, North Attleboro, Mass.
Application March 27, 1941, Serial No. 99,920
Term of patent 7 years



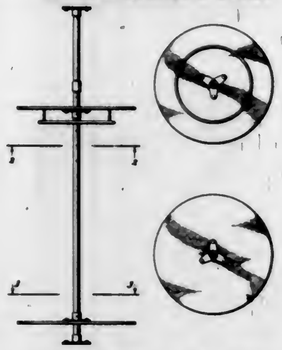
The ornamental design for a hand mirror frame or the like, as shown and described.

127,591
DESIGN FOR A FOOT PUMP
Jean Otis Reinecke, Oak Park, Ill., assignor to Vestal Chemical Company, St. Louis, Mo., a corporation of Missouri
Application March 20, 1941, Serial No. 99,745
Term of patent 14 years



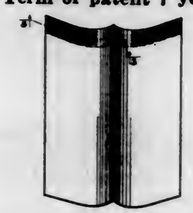
The ornamental design for a foot pump, substantially as shown.

127,592
DESIGN FOR A COMBINED CLOTHING SUPPORT AND GARMENT HANGER
Leslie R. Saylor, Los Angeles, Calif.
Application March 28, 1941, Serial No. 99,951
Term of patent 7 years



The ornamental design for a combined clothing support and garment hanger, substantially as shown.

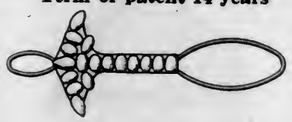
127,593
DESIGN FOR A REFLECTOR
Albert Shuman, New York, N. Y.
Application September 6, 1939, Serial No. 87,061
Term of patent 7 years





The ornamental design for a reflector, substantially as shown and described.

127,594
DESIGN FOR A HAND CARRIED TRAFFIC SIGNAL
Gladys Stewart, Oakland, Calif.
Application February 1, 1941, Serial No. 98,656
Term of patent 14 years





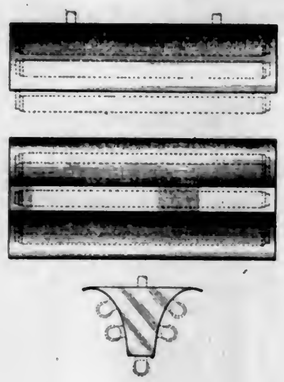
The ornamental design for a hand carried traffic signal, as shown.

127,595
DESIGN FOR A NOSE APPLIANCE OR SIMILAR ARTICLE
Helen C. Vivian, Miami, Fla.
Application December 11, 1940, Serial No. 97,263
Term of patent 7 years



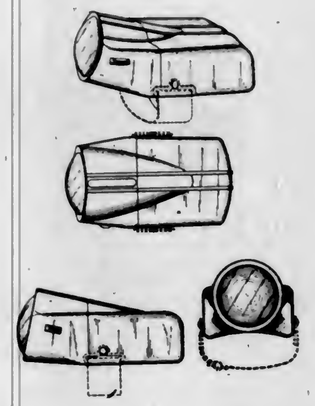
The ornamental design for a nose appliance or similar article, as shown.

127,596
DESIGN FOR A LIGHTING FIXTURE
Thaddeus A. Walsh, Chicago, Ill.
Application February 15, 1940, Serial No. 90,283
Term of patent 7 years



The ornamental design for a lighting fixture, as shown and described.

127,597
DESIGN FOR A WRIST FLASHLIGHT
John L. Wyatt, Chicago, Ill., assignor to Ristbeam Corporation, Chicago, Ill., a corporation of Illinois
Application January 18, 1941, Serial No. 98,181
Term of patent 7 years



The ornamental design for a wrist flashlight, substantially as shown and described.

127,598
DESIGN FOR A CELLULOID BULLET PENCIL
Clark Gower, Nashville, Tenn.
Application November 29, 1940, Serial No. 97,145
Term of patent 7 years



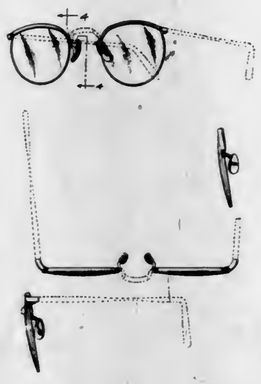
The ornamental design for a Celluloid bullet pencil, substantially as shown.

127,599
DESIGN FOR A PAIR OF SPECTACLES
Norman William Chappell, Amersham, England
Application August 2, 1940, Serial No. 94,150
Term of patent 14 years



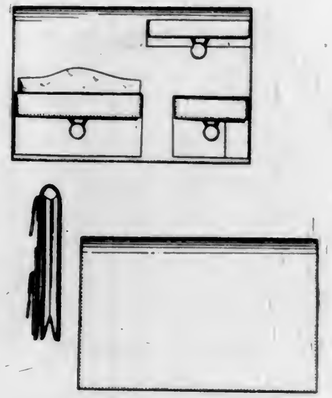
The ornamental design for a pair of spectacles, as shown and described.

127,600
DESIGN FOR A PAIR OF SPECTACLES
Norman William Chappell, Amersham, England
Application August 2, 1940, Serial No. 94,152
Term of patent 14 years



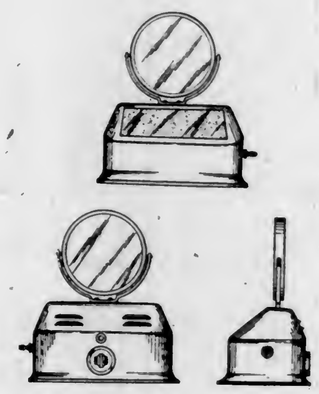
The ornamental design for a pair of spectacles, as shown and described.

127,601
DESIGN FOR A HANDBAG
Max H. Hunziker, New York, N. Y.
Application February 18, 1941, Serial No. 99,087
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown, and described.

127,602
DESIGN FOR A COMBINED MIRROR AND ILLUMINATING STAND
Maurice Langbaum, New York, N. Y.
Application December 30, 1940, Serial No. 97,713
Term of patent 3½ years



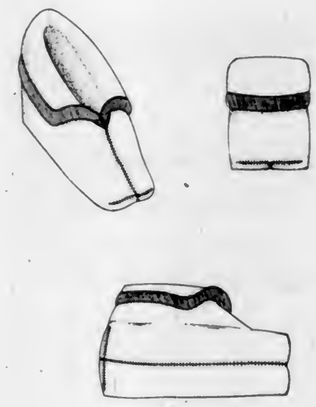
The ornamental design for a combined mirror and illuminating stand, substantially as shown.

127,603
DESIGN FOR A COMBINATION TIP AND HOLDER FOR BROOM HANDLES AND THE LIKE
Burr Nickle, Butler, Pa.
Application March 7, 1941, Serial No. 99,417
Term of patent 14 years



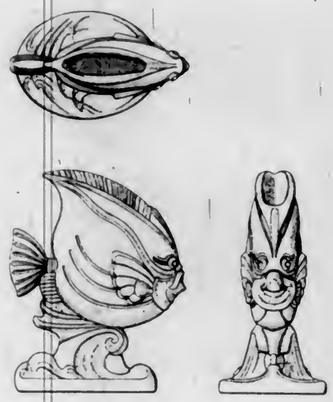
The ornamental design for a combination tip and holder for broom handles and the like, as shown.

127,604
DESIGN FOR A CHILD'S BOOTEE
Benjamin Rivkin, New York, N. Y.
Application March 15, 1941, Serial No. 99,623
Term of patent 14 years



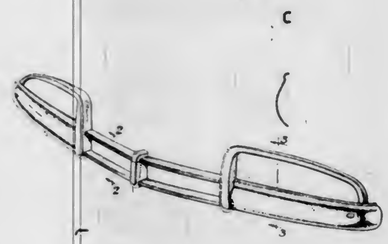
The ornamental design for a child's bootee, as shown.

127,605
DESIGN FOR A VASE OR SIMILAR ARTICLE
Carl Romanelli, Los Angeles, Calif., assignor to Metlox Manufacturing Company, Manhattan Beach, Calif., a corporation of California
Application March 17, 1941, Serial No. 99,656
Term of patent 14 years



The ornamental design for a vase or similar article, substantially as shown.

127,606
DESIGN FOR AN AUTOMOBILE BUMPER OR SIMILAR ARTICLE
George W. Walker, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application September 23, 1940, Serial No. 95,281
Term of patent 7 years



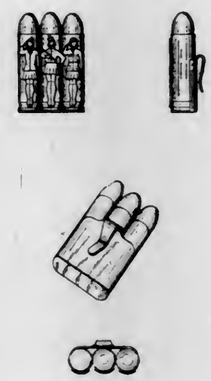
The ornamental design for an automobile bumper or similar article, as shown.

127,607
DESIGN FOR A SHOE
William B. Varney, Los Angeles, Calif.
Application July 10, 1940, Serial No. 93,523
Term of patent 3½ years



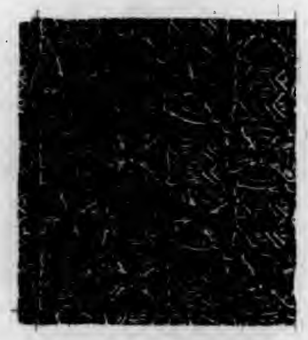
The ornamental design for a shoe, substantially as shown.

127,608
DESIGN FOR A COMBINATION CLIP SUPPORT AND COSMETIC CONTAINERS
Frank R. Prina, New York, N. Y.
Application April 4, 1941, Serial No. 100,129
Term of patent 7 years



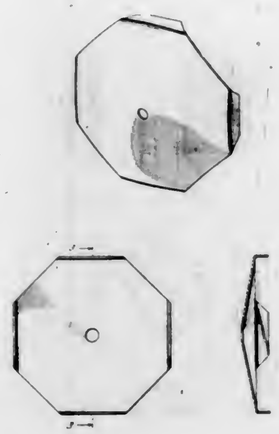
The ornamental design for a combination clip support and cosmetic containers, as shown.

127,609
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Basil Misen, Hermosa Beach, Calif., assignor to Hollywood Silk Mills, Los Angeles, Calif., a copartnership composed of Mabs Ryden Barnes and Wallace E. Barnes
Application March 7, 1941, Serial No. 99,415
Term of patent 3½ years



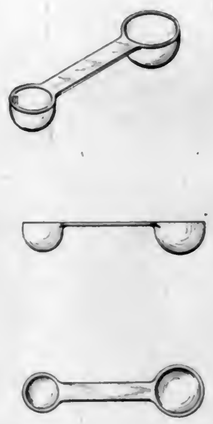
The ornamental design for a textile fabric or similar article, substantially as shown and described.

127,610
DESIGN FOR A DRAIN SHIELD
Ernest Krumsiek and Ray Kileen, Decatur, Ill., assignors to Mueller Co., Decatur, Ill., a corporation of Illinois
Application July 17, 1940, Serial No. 93,726
Term of patent 7 years



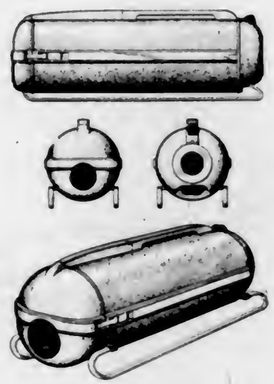
The ornamental design for a drain shield, substantially as shown and described.

127,611
DESIGN FOR A MEASURING SPOON
William A. Hadfield, Upper Darby, Pa., assignor to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa.
Application February 4, 1941, Serial No. 98,717
Term of patent 14 years



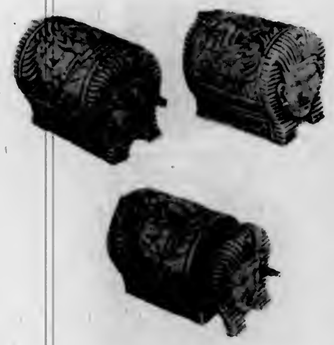
The ornamental design for a measuring spoon, substantially as shown.

127,612
DESIGN FOR A VACUUM CLEANER
Lurelle Guild, Darien, Conn., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application November 13, 1940, Serial No. 96,534
Term of patent 14 years



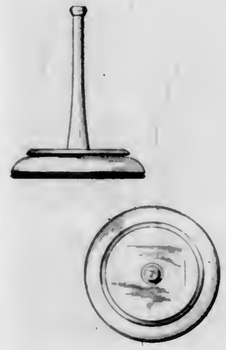
The ornamental design for a vacuum cleaner, as shown.

127,613
DESIGN FOR A CIGARETTE CONTAINER OR SIMILAR ARTICLE
David W. Dunberg, New York, N. Y.
Application March 13, 1941, Serial No. 99,543
Term of patent 7 years



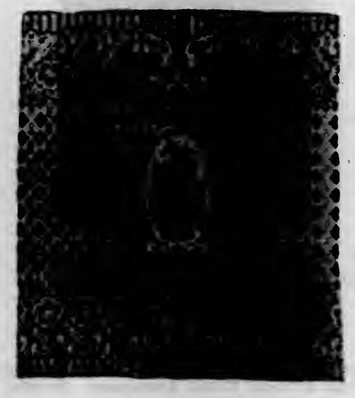
The ornamental design for a cigarette container or similar article, as shown.

127,614
DESIGN FOR A CROCHETING AND KNITTING SPINDLE
Herman E. Bishop, Bradford, Pa., assignor of one-half to Charles W. Stokes, Bradford, Pa.
Application February 19, 1941, Serial No. 99,120
Term of patent 14 years



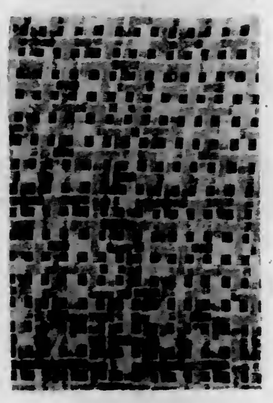
The ornamental design for a crocheting and knitting spindle, as shown.

127,615
DESIGN FOR A BLANKET OR SIMILAR ARTICLE
Frederick Heppner Buchholz, New York, N. Y., assignor to The Esmond Mills, Inc., New York, N. Y., a corporation of Rhode Island
Application May 2, 1941, Serial No. 100,745
Term of patent 7 years



The ornamental design for a blanket or similar article, substantially as shown.

127,616
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
William L. Cleverly, Cliffside, N. J.
Application May 7, 1941, Serial No. 100,813
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

127,617
DESIGN FOR A TEXTILE FABRIC
George J. Finnegan, New York, N. Y.
Application May 15, 1941, Serial No. 100,953
Term of patent 3½ years



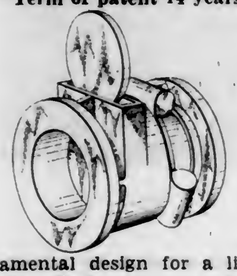
The ornamental design for a textile fabric, substantially as shown and described.

127,618
DESIGN FOR A BOTTLE
Brooks D. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 26, 1940, Serial No. 96,823
Term of patent 14 years



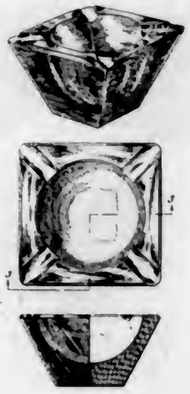
The ornamental design for a bottle, substantially as shown.

127,619
DESIGN FOR A LINE BLIND
Leland S. Hamer, Long Beach, Calif.
Application January 21, 1941, Serial No. 98,233
Term of patent 14 years



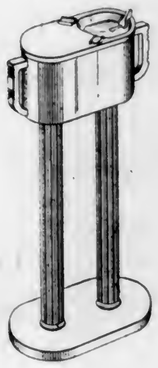
The ornamental design for a line blind, as shown and described.

127,620
DESIGN FOR A GLASS ASH TRAY OR ARTICLE OF SIMILAR NATURE
T. Clarence Heisey, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a corporation of Ohio
Application April 1, 1941, Serial No. 100,070
Term of patent 7 years



The ornamental design for a glass ash tray or article of similar nature, substantially as shown.

127,621
DESIGN FOR A SMOKER'S ASH STAND
William C. Panzer, Chicago, Ill., assignor to Russakov Can Company, Chicago, Ill., a corporation of Illinois
Application March 19, 1941, Serial No. 99,698
Term of patent 7 years



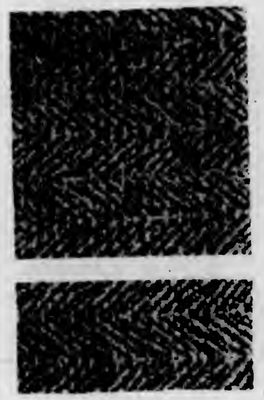
The ornamental design for a smoker's ash stand, substantially as shown.

127,622
DESIGN FOR A TEXTILE FABRIC
Herman R. Terhune, Ridgewood, N. J., assignor to American Bleached Goods Company, Inc., New York, N. Y., a corporation of Delaware
Application March 3, 1941, Serial No. 99,335
Term of patent 14 years



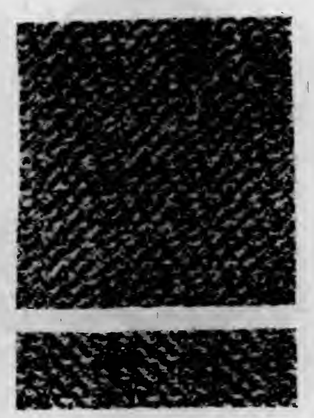
The ornamental design for a textile fabric, substantially as shown and described.

127,623
DESIGN FOR A TEXTILE FABRIC
Carl Alfred Tips, New York, N. Y.
Application May 7, 1941, Serial No. 100,818
Term of patent 3½ years



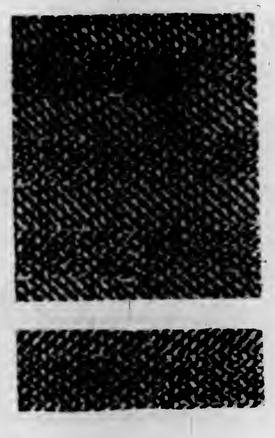
The ornamental design for a textile fabric, substantially as shown.

127,624
DESIGN FOR A TEXTILE FABRIC
Carl Alfred Tips, New York, N. Y.
Application May 7, 1941, Serial No. 100,819
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

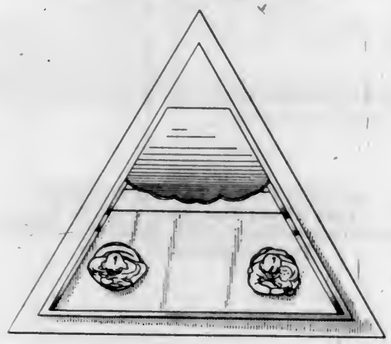
127,625
DESIGN FOR A TEXTILE FABRIC
Carl Alfred Tips, New York, N. Y.
Application May 7, 1941, Serial No. 100,820
Term of patent 3½ years

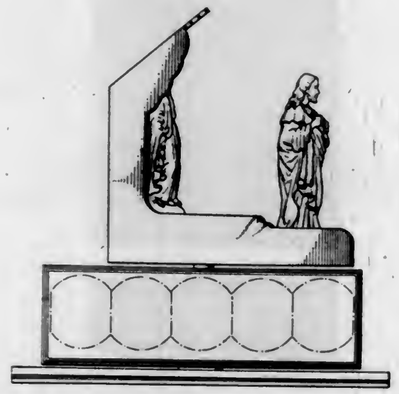


The ornamental design for a textile fabric, substantially as shown.

127,626
DESIGN FOR A RELIGIOUS SHRINE
Arthur Valliere, Newtonville, Mass.
Application January 18, 1941, Serial No. 98,185
Term of patent 7 years

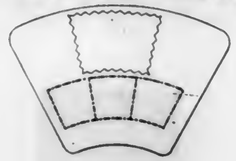






The ornamental design for a religious shrine, substantially as shown.

127,627
DESIGN FOR AN ICE CREAM CONE JACKET
James Balton, Baltimore, Md., assignor to Maryland Baking Company, Inc., Baltimore, Md., a corporation of Maryland
Application December 3, 1940, Serial No. 97,031
Term of patent 14 years



The ornamental design for an ice cream cone jacket, substantially as shown.

127,628
DESIGN FOR AN ICE CREAM CONE JACKET
James Balton, Baltimore, Md., assignor to Maryland Baking Company, Inc., Baltimore, Md., a corporation of Maryland
Application December 4, 1940, Serial No. 97,067
Term of patent 14 years



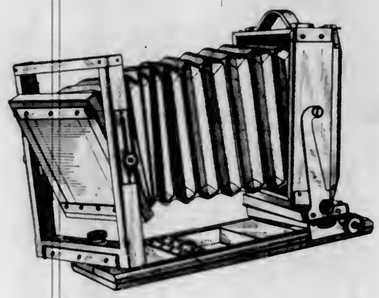
The ornamental design for an ice cream cone jacket, substantially as shown.

127,629
DESIGN FOR A DRESS
Edna Breer, New York, N. Y.
Application March 27, 1941, Serial No. 99,940
Term of patent 3½ years



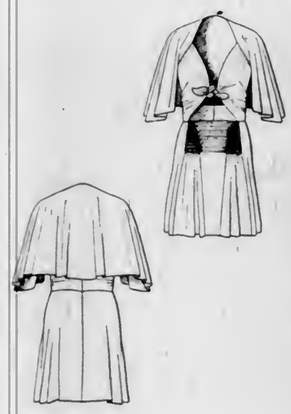
The ornamental design for a dress, substantially as shown.

127,630
DESIGN FOR A CAMERA
Albert Drucker, Chicago, Ill., assignor to Burke & James, Inc., Chicago, Ill., a corporation of Illinois
Application December 13, 1940, Serial No. 97,295
Term of patent 14 years



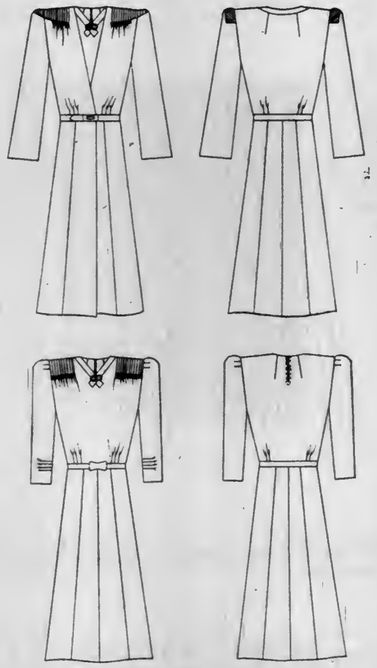
The ornamental design for a camera, as shown and described.

127,631
DESIGN FOR A PLAY SUIT
Margit Fellegi, Los Angeles, Calif., assignor to Cole of California, Inc., Los Angeles, Calif., a corporation of California
Application March 17, 1941, Serial No. 99,650
Term of patent 7 years



The ornamental design for a play suit, as shown.

127,632
DESIGN FOR A DRESS ENSEMBLE
Mary Geller, Chicago, Ill.
Application December 28, 1940, Serial No. 97,669
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

127,633
DESIGN FOR A DRESS
Evelyn Gold, New York, N. Y.
Application April 2, 1941, Serial No. 100,091
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,634
DESIGN FOR A DRESS
Harry Posner, New York, N. Y.
Application March 13, 1941, Serial No. 99,552
Term of patent 3½ years



The ornamental design for a dress, as shown and described.

127,635
DESIGN FOR A DRESS
Bessie Recht, St. Louis, Mo.
Application February 11, 1941, Serial No. 98,902
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,636
DESIGN FOR A DRESS
Miriam Abrams, New York, N. Y.
Application May 16, 1941, Serial No. 100,973
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,637
DESIGN FOR A DRESS
Margaret Buccino, New York, N. Y.
Application May 13, 1941, Serial No. 100,916
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,638
DESIGN FOR A DRESS
Margaret Buccino, New York, N. Y.
Application May 13, 1941, Serial No. 100,917
Term of patent 3½ years



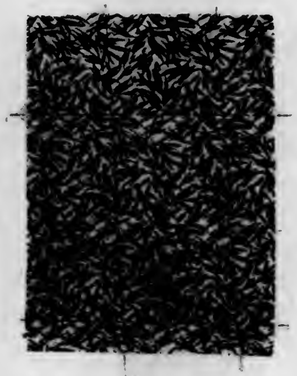
The ornamental design for a dress, as shown.

127,639
DESIGN FOR A DRESS ENSEMBLE
Jack Caplan, New York, N. Y.
Application May 12, 1941, Serial No. 100,898
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

127,640
DESIGN FOR A TEXTILE FABRIC
Lea Hoyt, New York, N. Y.
Application May 15, 1941, Serial No. 100,954
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

127,641
DESIGN FOR A CHRISTMAS STOCKING
Justin I. Kingson, Mount Vernon, N. Y., assignor to Millburn Mills, Inc., New York, N. Y., a corporation of New York
Application April 8, 1941, Serial No. 100,226
Term of patent 3½ years



The ornamental design for a Christmas stocking, substantially as shown.

127,642
DESIGN FOR A CHRISTMAS STOCKING
Justin I. Kingson, Mount Vernon, N. Y., assignor to Millburn Mills, Inc., New York, N. Y., a corporation of New York
Application April 11, 1941, Serial No. 100,324
Term of patent 3½ years



The ornamental design for a Christmas stocking, substantially as shown.

127,643
DESIGN FOR A BLOUSE
Mark Knebel, New York, N. Y.
Application December 28, 1940, Serial No. 97,684
Term of patent 3½ years



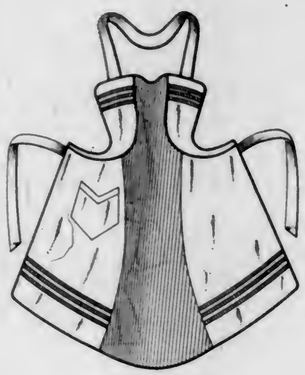
The ornamental design for a blouse, as shown.

127,644
DESIGN FOR A TEXTILE FABRIC
Edmund M. Patterson, New York, N. Y.
Application May 6, 1941, Serial No. 100,809
Term of patent 3½ years



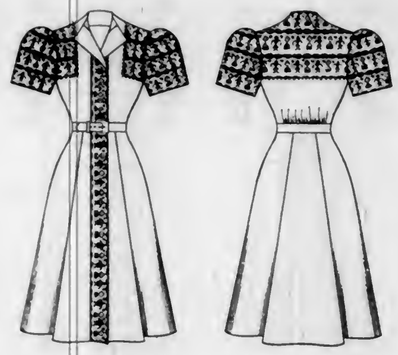
The ornamental design for a textile fabric, substantially as shown.

127,645
DESIGN FOR AN APRON
Ada Quinn and Mary T. Hasle, Ogden, Utah
Application August 22, 1940, Serial No. 94,569
Term of patent 3½ years



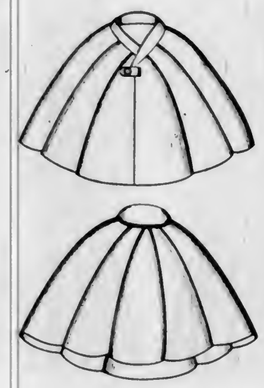
The ornamental design for an apron, as shown.

127,646
DESIGN FOR A DRESS
Ruth Richman, New York, N. Y.
Application May 16, 1941, Serial No. 100,968
Term of patent 3½ years



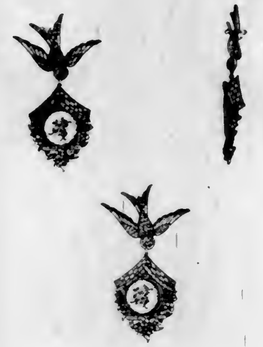
The ornamental design for a dress, substantially as shown.

127,647
DESIGN FOR A CAPE
Alice A. Tucker, Grosse Pointe Farms, Mich.
Application December 30, 1940, Serial No. 97,724
Term of patent 7 years



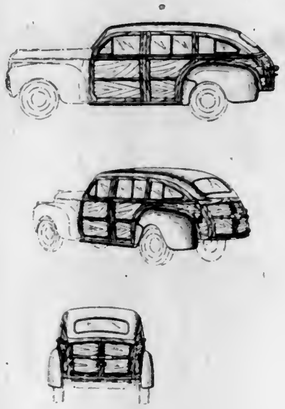
The ornamental design for a cape, as shown.

127,648
DESIGN FOR A COMBINED BROOCH AND LOCKET
Gene Verrecchio, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y., a corporation of New York
Application April 16, 1941, Serial No. 100,397
Term of patent 3½ years



The ornamental design for a combined brooch and locket, substantially as shown.

127,649
DESIGN FOR AN AUTOMOBILE
David A. Wallace, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 25, 1940, Serial No. 96,070
Term of patent 7 years



The ornamental design for an automobile, substantially as shown and described.

127,650
DESIGN FOR A DRESS
Hattie Carnegie Zanft, Red Bank, N. J.
Application May 15, 1941, Serial No. 100,959
Term of patent 3½ years



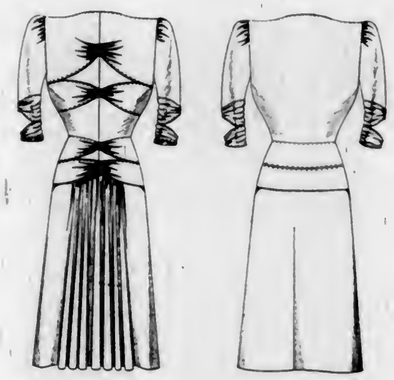
The ornamental design for a dress, substantially as shown.

127,651
DESIGN FOR A DRESS
Hattie Carnegie Zanft, Red Bank, N. J.
Application May 15, 1941, Serial No. 100,960
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,652
DESIGN FOR A DRESS
Hattie Carnegie Zanft, Red Bank, N. J.
Application May 15, 1941, Serial No. 100,961
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,653
DESIGN FOR A DRESS
Louis Katz, New York, N. Y.
Application January 21, 1941, Serial No. 98,264
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

127,654
DESIGN FOR A COAT
Philip Rosenshein, New York, N. Y.
Application May 13, 1941, Serial No. 100,915
Term of patent 3½ years



The ornamental design for a coat, as shown.

127,655
DESIGN FOR A DRESS
Miriam Abrams, New York, N. Y.
Application May 16, 1941, Serial No. 100,974
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,656
DESIGN FOR A DRESS
Miriam Abrams, New York, N. Y.
Application May 16, 1941, Serial No. 100,975
Term of patent 3½ years



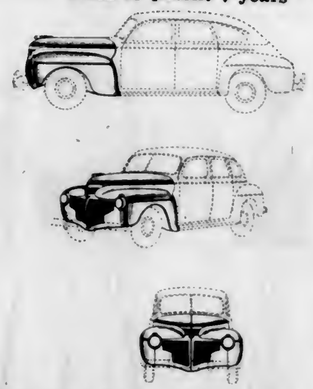
The ornamental design for a dress, substantially as shown.

127,657
DESIGN FOR A DRESS ENSEMBLE
Gladys Baker, New York, N. Y.
Application May 16, 1941, Serial No. 100,969
Term of patent 3½ years



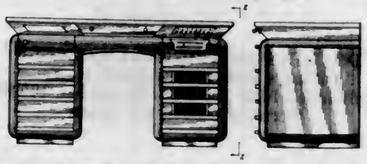
The ornamental design for a dress ensemble, substantially as shown.

127,658
DESIGN FOR AN AUTOMOBILE
Robert Cadwallader, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 25, 1940, Serial No. 96,065
Term of patent 7 years



The ornamental design for an automobile, substantially as shown and described.

127,659
DESIGN FOR A COMBINED RADIO CABINET, PHONOGRAPH CABINET, AND DESK
Walter Jagosz, Detroit, Mich.
Application March 4, 1940, Serial No. 90,668
Term of patent 7 years



The ornamental design for a combined radio cabinet, phonograph cabinet, and desk, as shown.

127,660
DESIGN FOR A DRESS
Ruth Richman, New York, N. Y.
Application May 16, 1941, Serial No. 100,967
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,661
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application May 12, 1941, Serial No. 100,894
Term of patent 3½ years



The ornamental design for a dress, substantially as shown and described.

127,662
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application May 12, 1941, Serial No. 100,897
Term of patent 3½ years



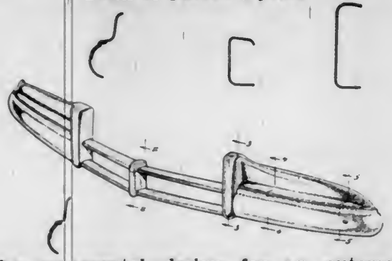
The ornamental design for a dress, substantially as shown.

127,663
DESIGN FOR A SUIT
Rosario Vacca, New York, N. Y.
Application May 13, 1941, Serial No. 100,914
Term of patent 3½ years



The ornamental design for a suit, as shown.

127,664
DESIGN FOR AN AUTOMOBILE BUMPER OR SIMILAR ARTICLE
George W. Walker, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application September 23, 1940, Serial No. 95,280
Term of patent 7 years



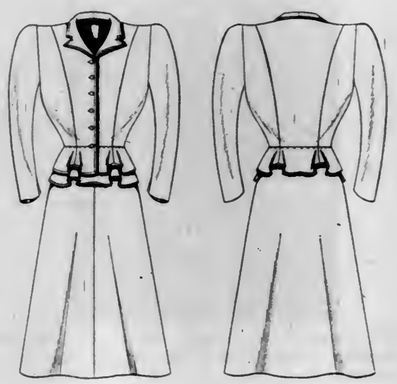
The ornamental design for an automobile bumper or similar article, as shown.

127,665
DESIGN FOR A DRESS
Hattie Carnegie Zanft, Red Bank, N. J.
Application May 15, 1941, Serial No. 100,956
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,666
DESIGN FOR A SUIT
Hattie Carnegie Zanft, Red Bank, N. J.
Application May 15, 1941, Serial No. 100,957
Term of patent 3½ years



The ornamental design for a suit, substantially as shown.

127,667
DESIGN FOR A DRESS
Hattie Carnegie Zanft, Red Bank, N. J.
Application May 15, 1941, Serial No. 100,958
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,668
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Robert E. Minger, Manhattan Beach, Calif., assignor to Hollywood Silk Mills, Los Angeles, Calif., a partnership composed of Mabs Ryden Barnes and Wallace E. Barnes
Application February 19, 1941, Serial No. 99,099
Term of patent 7 years



The ornamental design for a textile fabric or similar article, substantially as shown and described.

127,669
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Robert E. Minger, Manhattan Beach, Calif., assignor to Hollywood Silk Mills, Los Angeles, Calif., a partnership composed of Mabs Ryden Barnes and Wallace E. Barnes
Application February 19, 1941, Serial No. 99,100
Term of patent 7 years



The ornamental design for a textile fabric or similar article, substantially as shown and described.

Patents Nos. 2,244,656 to 2,245,550

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CONTENTS

	Page
ISSUE OF JUNE 10, 1941	273
ADJUDICATED PATENTS	273
INTERFERENCE NOTICE	273
NOTICE OF CANCELLATION	273
APPLICATIONS UNDER EXAMINATION	274
DECISIONS OF THE U. S. COURTS—	
In re Wright	275
Sherman v. Johnson	276
In re Davidson	279
Martel & Company v. Societe Anonyme de la Benedictine, Distillerie de la Liquer de l'Ancienne Abbaye de Fecamp and Societe Anonyme de la Benedictine, Distillerie de la Liquer de l'Ancienne Abbaye de Fecamp v. Martel & Company	279
PATENT SUITS	281
DISCLAIMERS	282
TRADE-MARKS PUBLISHED (150 APPLICATIONS)	283
TRADE-MARK REGISTRATIONS GRANTED	300
TRADE-MARK REGISTRATIONS RENEWED	312
REISSUES	315
PLANT PATENTS	316
PATENTS GRANTED	317
DESIGNS	531

June 10, 1941

Trade-Marks	251—No.	387,927 to No. 388,177, inclusive.
T. M. Renewals	50	
Reissues	4—No.	21,822 to No. 21,825, inclusive.
Plant Patent	1—No.	474
Patents	895—No.	2,244,656 to No. 2,245,550, inclusive.
Designs	112—No.	127,670 to No. 127,781, inclusive.
Total	1,313	

Adjudicated Patents

(C. C. A. Mo.) Wheat patent, No. 1,394,242, for underslung attachment for motor vehicles, *Held* not infringed. *Wheat* v. *Ford Motor Co.*, 118 F.(2d) 612.

(D. C. Md.) Driggs and Faber patent, No. 1,712,382, for firearm, claims 1 and 2, *Held* valid and infringed. *Kilgore Mfg. Co.* v. *Triumph Explosives*, 37 F. Supp. 766.

(D. C. Md.) Driggs and Faber patent, No. 1,712,383, for fixed ammunition for firearms, claims 2 and 7, *Held* valid and infringed. *Id.*

(D. C. N. J.) Lykken patent, No. 1,753,437, for material reducing and means therefor, claims 15, 17, and 18 *Held* valid but not infringed. *Lykken* v. *International Pulverizing Corporation*, 37 F. Supp. 798.

(D. C. N. J.) Lykken patent, No. 1,756,254, for fluidizer and method of fluidizing, claims 1, 2, and 7 *Held* valid but not infringed. *Id.*

(D. C. N. J.) Lykken patent, No. 1,768,621, for fluidizer, claims 1, 3, 5, 6, and 13 *Held* valid but not infringed. *Id.*

(D. C. N. J.) Lykken patent, No. 1,838,560, for reducing mill, claims 4, 5, 13, 16, and 17 *Held* valid but not infringed. *Id.*

(D. C. W. Va.) Wiegand and Venuto patent, No. 1,889,429, for carbon black and process of making same, claims 1 and 2 *Held* invalid and not infringed. *Binney & Smith Co.* v. *United Carbon Co.*, 37 F. Supp. 779.

(D. C. Md.) Driggs and Faber patent, No. 1,947,834, for flare signal, *Held* not infringed. *Kilgore Mfg. Co.* v. *Triumph Explosives*, 37 F. Supp. 766.

(D. C. Mass.) Seaver design patent, No. 111,775, for design for a translucent candle, *Held* not infringed. *Seaver* v. *Wm. Filene's Sons Co.*, 37 F. Supp. 762.

(C. C. A. Mo.) Eddins reissue patent, No. 16,288, for slip cover for automobiles. *Held* invalid. *Ever-Klean Seat Pad Co.* v. *Firestone Tire & Rubber Co.*, 118 F.(2d) 600.

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., May 17, 1941.*

John Percival Beeston, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Patent No. 2,182,463, granted December 5, 1939, to John Percival Beeston, Brock House, Langham St., London, W. 1, England, and the application for patent of Austin M. Wolf, 1338 Martine Ave., Plainfield, N. J., and a notice of such declaration sent by registered mail to said Beeston at the said address having been returned by the post office as undeliverable and counsel for Beeston having stated that he is unable to locate said Beeston, notice is hereby given that unless said Beeston, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., May 23, 1941.*

Hoge Edmundson Richardson, his assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by The A. S. Boyle Company, 527 Cornelison Ave., Jersey City, N. J., to effect the cancellation of trade-mark registration of Hoge Edmundson Richardson, doing business as Rite-Wa Cleaning Co., 1407 Chapin St., N. W., Washington, D. C., No. 215,251, dated July 13, 1926, and the notice of such proceeding sent by registered mail to the said Hoge Edmundson Richardson at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Hoge Edmundson Richardson, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business May 24, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 41,914; Trade-Mark Division, 1,316. Oldest new case, Aug. 30, 1940; oldest amended, Aug. 30, 1940.)
(The dates given are 1940 except where † indicates 1941)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action: New	Oldest new application awaiting office action: Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Dec. 19	Dec. 30	586
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Dec. 2	Nov. 5	562
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Mar. 27	†Mar. 25	415
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	†Feb. 13	†Jan. 31	534
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	†Jan. 7	†Jan. 27	443
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Oct. 24	Nov. 19	1,102
5725	7. JARBOE, C. G., Optics; Photography	Nov. 25	Nov. 19	931
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Oct. 18	Oct. 17	847
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	†Jan. 8	†Jan. 8	624
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Dec. 20	†Jan. 28	396
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	†Jan. 31	†Jan. 28	419
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters; Stop Mechanisms	Nov. 30	Nov. 27	541
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Nov. 13	Nov. 5	513
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	†Feb. 3	†Jan. 31	528
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Nov. 30	Nov. 23	1,039
5716	16. SPENCER, C. J., Telegraphy; Telephony	†Jan. 11	†Jan. 28	509
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 24	Dec. 23	541
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Jan. 10	†Jan. 9	443
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	†Jan. 2	†Jan. 8	642
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Nov. 22	Nov. 27	420
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	†Feb. 19	†Feb. 20	292
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Aug. 30	Aug. 30	1,433
7624	23. BUTTNER, W. J., Registers (part)	Oct. 24	Sept. 30	250
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Nov. 4	Nov. 29	848
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	†Jan. 7	†Jan. 2	518
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	†Jan. 28	†Feb. 1	416
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Dec. 31	Dec. 5	628
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	Dec. 16	Nov. 29	374
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Dec. 11	Dec. 26	684
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	†Jan. 25	†Feb. 4	530
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Dec. 17	Dec. 16	1,344
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	†Jan. 10	†Jan. 13	975
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	†Jan. 15	†Jan. 22	917
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Nov. 16	Nov. 27	413
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Dec. 7	Dec. 7	931
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Dec. 6	Dec. 16	538
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Dec. 4	Dec. 7	538
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Sept. 19	Sept. 11	1,140
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	†Jan. 24	†Jan. 25	589
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Nov. 2	Nov. 2	1,701
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Dec. 20	Dec. 19	440
5882	42. CUTTING, H. O., Electric Signaling	†Jan. 27	†Jan. 24	330
4896 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Nov. 16	Nov. 27	577
4087 B	44. HARVEY, L. P., Refrigeration	Nov. 20	Nov. 18	598
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	†Feb. 19	†Mar. 17	355
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	†Jan. 2	†Jan. 11	617
6082	47. KANOF, W. J., Clutches; Brakes	†Jan. 11	†Jan. 11	340
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	†Jan. 17	†Jan. 18	496
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Dec. 11	Nov. 26	763
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber; Coating Processes	Nov. 25	Nov. 26	1,143
5628	51. BACKUS, C. D., Radiant Energy (part)	†Mar. 17	†Mar. 13	438
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	†Feb. 3	†Feb. 3	611
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Nov. 27	Nov. 28	867
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 25	Dec. 24	304
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	†Jan. 7	†Jan. 17	321
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Oct. 24	Oct. 28	1,188
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Oct. 14	Feb. 8	164
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Nov. 26	Nov. 13	568
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Nov. 22	Nov. 23	1,016
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Dec. 12	†Jan. 14	322
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	†Mar. 4	†Feb. 10	322
5621	62. PUGH, E. C., Games; Geometrical Instruments	†Mar. 19	†Feb. 13	429
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Nov. 14	Nov. 16	1,013
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	†Feb. 13	†Feb. 17	559
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Mar. 17	†Feb. 14	283
2099 B	Trade-Marks: F. A. RICHMOND	†Apr. 15	†Apr. 25	1,316
2605	Designs: H. H. KALUPY	†Apr. 14	†May 8	666

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Wright

No. 4,401. Decided February 24, 1941

[117 F.(2d) 753]

1. Claims—Process—Reversal of Steps.

Where claims 2 and 4 of the W application defined a process of recovering phosphate values and were identical except that in the latter claim the last two steps of the former claim were reversed, *Held* that this is not the kind of process where the reversal of the order of steps does or is even claimed to do anything which produces a new, useful and patentable result.

2. Patentability—Process of Recovering Phosphate Values.

Claims for a process of recovering phosphate values *Held* unpatentable over the prior art.

Appeal from Patent Office. Affirmed.

Mr. R. G. Story for Wright.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

Bland, *J.*:

Appellant filed in the United States Patent Office an application for a patent relating to recovering phosphate values from phosphate washer debris. The claims which were finally rejected, and which are the subject matter of the appeal here, are numbered 2, 3, 4, and 5. The Board of Appeals affirmed the rejection of said claims by the Primary Examiner and appellant has appealed here from the Board's decision.

While claim 2 is regarded as illustrative of all the appealed claims, particular features of claims 3, 4, and 5 will be referred to herein later. Claim 2 reads:

2. The method of recovering phosphate values from feed which comprises dividing the feed into a coarse fraction and a fine fraction, selectively oiling the phosphatic values of the fine fraction, aerating the treated fine fraction and removing the phosphate values in the form of a froth, selectively oiling the phosphate values of the coarse fraction, forming agglomerates, and separating the agglomerates from the non-phosphatic material.

The references relied upon are: Hall et al., 2,113,727, April 12, 1938; "Milling Methods and Cost, Phosphate Recovery Corporation," by H. S. Martin in "Milling Methods" (1934), vol. 112, Transactions of American Institute of Mining and Metallurgical Engineers, New York (1935), pp. 466 to 474.

Phosphate in the Florida field is excavated by the use of a hydraulic gun. The loosened material is pumped to a washer where it is screened and separated according to size. The small phosphate grains, of the same size as sand grains, as well as other small grains of varying sizes, ofttimes are not recovered in the first operation and were formerly wasted with the debris. This debris is the material to which appellant applies his process for the purpose of recovering phosphate. Appellant's process is defined by appellant in his brief as follows:

In accordance with the present invention, the debris is first separated into coarse and fine fractions by means of a sizer while simultaneously desliming the fractions to remove the clay. The fine fraction is treated by the flotation method and the coarse fraction by the agglomeration method. In both the flotation method and the agglomeration method, the fractions are contacted with reagents, such as soap and oil, which selectively oil the phosphate grains. The smaller phosphate particles in the oiled fine fraction are separated by aerating the resulting slushy mass, whereby the oiled phosphate grains are carried to the surface by adhering air bubbles and may be skimmed off as a froth. The larger phosphate particles in the oiled coarse fraction are separated by segregating the agglomerates of oiled phosphate grains by underwater screening.

The Primary Examiner held that claim 2 was rejectable on Martin and stated that it read directly on the procedure described in the Martin publication.

Appellant urges that his invention differs from that of Martin essentially in the use of an underwater screen instead of Wilfley tables and in the retreatment of the fines from the screen by flotation. It will be noticed that there is nothing in any of the claims relating to an underwater screen, nor is there anything in any of the claims, except claim 5, relating to separation by a screen of any kind. Appellant further states that the claims should be read in the light of the disclosure, and that when so read, the agglomeration step, which is employed in the treating of the coarse fraction, is peculiar to appellant's process.

The Board stated the issue presented and decided it in the following language:

The primary question before us for consideration is whether the Martin publication discloses the method set forth in the above-copied claim [2].

The only controversy is as to whether or not the last separation step of this claim is shown in this reference. Appellant contends that the reference on page 470 to a treatment with reagents "just as the flotation feed is treated" indicates that the last separation of Martin was by flotation rather than agglomeration. There seems to be no question but that the same character of reagents may be employed both for flotation and for agglomeration. We believe that the reference to floccules and stratifying classification, together with the employment or riffles, indicates an agglomeration separation rather than that of flotation. We are also of the opinion that the discussion which appears a few lines farther down on page 470, with respect to a more efficient separation by grinding to proper size and then employing the regular flotation machines, is an indication that the separation step under consideration is not by flotation. We also believe that the decision in the *Martin* v. *Chapman and Littleford* case, referred to by the Primary Examiner, supplies additional reasons for holding that Martin shows an agglomeration separation as terms employed in the agglomeration separation discussed in that decision are similar to those found on page 470 of the Martin publication.

We are satisfied that if claim 2 reads on the Martin publication, the other three claims do not patentably distinguish thereover.

While the Board did not go into as much detail as did the Examiner, we think it has correctly stated the issue and properly decided it. The reference Martin shows that he divides the material into coarse fractions and fine fractions. The fine fractions are oiled, i. e. mixed with a flotation reagent and are aerated or treated in a froth flotation cell with air in the usual manner, and agglomerates are then separated on a table.

Appellent argues that the agglomeration step or the last step referred to in claim 2 is peculiar to his process and does not read upon Martin. He suggested before the Examiner that the statement

"The plus 20-mesh material is treated with reagents just as the flotation feed is treated" shows that Martin did not appreciate the difference between the two processes. To this the Examiner answered:

> * * * In this connection it should be noted that the applicant does not give any specific instructions as to the reagents to be used either as to their nature or their quantities. The applicant states that froth flotation is accomplished with soap and oil or caustic, fatty acid and unsaponifiable oil, exactly as described by Martin. The agglomeration reagents, he states, are the same as in the McCoy patent, which are "an emulsion of soap and oil such as for instance, any kind of cheap mineral oil, such as fuel oil, and any fatty acid or rosin soap, preferably the former." The reagents used by applicant in his agglomeration process are thus the same as used in applicant's flotation process. The expression of Martin, "The plus 20-mesh material is treated with reagents just as the flotation feed is treated" is an apt description of applicant's procedure as set forth in the claim.

On this phase of the case the Board, as will be noted from the quotation heretofore made of its decision, said that the same character of reagents may be employed in flotation as in agglomeration and that by the reference of Martin to "floccules and stratifying classification, together with the employment of riffles" he "indicates an agglomeration separation rather than that of flotation."

As further proof that the agglomeration step was old, the Examiner said:

> * * * The applicant acknowledges the agglomeration process by oiling followed by either underwater screening as shown in McCoy Patent 2,017,468, or by tabling as shown by the Chapman and Littleford Patent 1,968,008 to be old as well as the froth flotation process as applied to phosphate.

The Board approved this holding and said:

> * * * We also believe that the decision in the *Martin* v. *Chapman and Littleford* case [21 C. C. P. A. (Patents) 1187, 71 F.(2d) 174] referred to by the Primary Examiner, supplies additional reasons for holding that Martin shows an agglomeration separation as terms employed in the agglomeration separation discussed in that decision are similar to those found on page 470 of the Martin publication.

The Board held in substance that the other three claims, which differ in respects hereinafter referred to, were not distinguishable over claim 2.

Claim 3 is identical with claim 2 except that in claim 3 there is a final additional step "and thereafter subjecting the tailings of the agglomeration step to flotation." The Examiner pointed out that the Hall et al. patent clearly teaches the application of froth flotation to the treatment of agglomeration tailings and that the application of such flotation step to the tailings of Martin would be an obvious expedient. The Board made a general affirmance of the holding of the Examiner, and we agree that the last step does not lend patentability to the claim.

[1] Claim 4 is identical with claim 2 except that the last two steps are reversed. We do not think this is the kind of process where the reversal of the order of the steps does or is even claimed to do anything which produces a new, useful and patentable result. This court has had occasion to consider a number of cases where the reversal of the order of the steps was depended upon to lend patentability. In *In re Eddins*, 19 C. C. P. A. (Patents) 731, 414 O. G. 8, 53 F.(2d) 528, a claim for a process which consisted of "first in boring the rough log, and thereafter shaping the sides" was held to be unpatentable over the prior art process in which the practice had been to square the log first and then bore it. The same principle is announced in *In re Lang et al.*, 25 C. C. P. A. (Patents) 1322, 97 F.(2d) 626, 497 O. G. 551.

Claim 5 attempts to distinguish from the other claims by reciting that the coarse fraction is defined as being of 48-mesh or coarser and the fine mesh is defined as being of 48-mesh or finer. The Martin disclosure states that the screening material should be finer than 35-mesh and applicant states that either 35-mesh or 48-mesh may be used. It is not claimed that the 48-mesh size is critical. We think that claim 5 is not inventive over the prior art.

[2] It follows that the decision of the Board, affirming that of the Examiner in rejecting the appealed claims should be, and it is, affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

SHERMAN *v.* JOHNSON

No. 4,419. Decided February 3, 1941

[117 F.(2d) 266]

INTERFERENCE—PRIORITY—RIGHT OF APPLICANT TO MAKE CLAIM COPIED FROM PATENT.

In an interference in which the issue was a claim copied by the senior party J from a patent to the junior party S, *Held* that the claim is in part meaningless when attempt is made to read it on the disclosure of the application of J, that to read it on the disclosure of J unduly stretches the language, and that no matter how broadly construed it does not read on the disclosure of J and *Held* that priority should have been awarded to the junior party S.

APPEAL from Patent Office. Reversed.

Mr. F. Llewellyn Walker (*Messrs. Marston Allen* and *Charles Riordon* of counsel) for Sherman.

Mr. Arthur A. Johnson, pro se (*Messrs. James T. Kline* and *George F. Smyth* of counsel) for Johnson.

BLAND, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, which awarded priority of invention defined by the single count of the interference to the appellee Johnson. Johnson, the senior party, copied claim No. 8 of Sherman Patent No. 2,071,364 into his application filed January 12, 1929. The application of the Sherman patent was filed April 16, 1930, and the patent issued February 23, 1937.

No testimony was taken by either party and Sherman, being under order to show cause why judgment on the record should not be entered against him, moved to dissolve the interference on the ground that Johnson could not make the said claim, which corresponds to the sole count here involved.

The Primary Examiner held that Johnson could not make the claim and sustained the motion to dissolve the interference.

Johnson appealed to the Board of Appeals and it reversed the decision of the Primary Examiner and held that Johnson could make the claim. Following this action, the Examiner of Interferences resumed the interference proceeding and entered formal judgment on priority in favor of Johnson and against Sherman. From this decision Sherman appealed to the Board of Appeals which sustained its former decision holding that Johnson could make the claim corresponding to the count, and affirmed the action of the Examiner of Interferences in awarding priority to Johnson. From the latter decision of the Board, appeal has been taken to this court and the sole question presented is the right of the senior party Johnson to make the single count in issue which reads as follows:

> Manifolding material including superposed strips of record material having transverse weakened division lines upon which the succeeding portions thereof are detachable into separate sheets, and interleaved strips of transfer material also having transverse weakened division lines upon which succeeding portions thereof are detachable into separate sheets, *said strips being disposed with the terminal marginal portions of the detachably connected sheets comprising the strips of one series extending beyond the margins of the detachably connected sheets comprising the strips of the other series to enable the sheets of one series of strips to be collectively grasped independently of those of the other series of strips*, the detachable sheets comprising one series of strips having straight uninterrupted margins on all sides. [Italics ours.]

The invention involved relates to manifolding material consisting of layers of record paper strips interleaved with carbon strips, the individual sheets of which may be severed from the strips at transversely placed weakened tear lines. Structure is provided by both parties for facilitating subsequent separation of the record sheets from the carbon sheets after the sheets have been torn from the strips. The strips of manifolding material are called "packs" or "packets" and from them many hundreds of individual sheets may be torn.

Sherman at the terminal margin portion of each of the detachably connected sheets provides a cutout portion (preferably in the carbon) so that the series of sheets of paper can be grasped by the thumb and finger in such manner as to permit pulling and tearing the paper without, at first, tearing the carbon. It was the aim of Sherman to, in this manner, tear the paper loose along a portion of the perforated lines, and by again grasping the entire body of the pack to complete the paper tearing and also tear the carbon element from the strip. By this procedure, he would leave the paper and the carbon strips, after tearing, "slightly offset" with a portion of the margins of the carbon projecting beyond the edges of the paper. The left hand and then grasp the carbon and the right hand the paper (at the point where the carbon had been cut out) and in this way facilitate the separation of the carbon paper from the record paper. He also explained that instead of making cutouts in the carbon paper only, a method extensively used was to make notches in opposite edges of both the record sheets and the carbon sheets. This method, he said, was objectionable because it mutilated the record sheets. The claim corresponding with the count at bar evidently was drawn with sufficient breadth to cover making the cutouts in either the record sheets or the carbon sheets.

Johnson was concerned with providing a convenient means of separating the carbon sheets from the record sheets after they had been torn from the long strips or packs as they came from a manifolding machine. He was not primarily concerned in any new method of tearing the sheets from the strip since this could be done in the ordinary way by grasping the pack and tearing the sheets off at the dotted lines. At the lower right-hand corner of each undetached sheet, Johnson makes a tab tear line either by making a slit or a dotted tear line extending obliquely from the transverse tear line to the right-hand margin of the strip. In the Johnson structure, when the end sheets of the pack are torn off, the record paper has straight uninterrupted margins on all sides, is rectangular and is not mutilated in any way, while the carbon sheets have an extending tab at the upper right-hand corner and a torn-off or notched portion at the lower right-hand corner. By grasping the projecting carbon sheet tabs in the left hand and the protruding record sheets in the right-hand, the carbon sheets and the record sheets may be easily separated.

The answer to the question as to whether or not the involved count reads upon the Johnson disclosure involves the construction which is to be given to the language which, in the above-quoted count, is italicized.

The Primary Examiner, in holding that Johnson could not make the claim corresponding to the count, said in part:

> * * * [Sherman's] structure enables such grasping of record sheets and severance of the strips at any selected set of sheets in the assembly whether or not preceding sets of sheets have been torn off.
>
> In Johnson, the tear lines are deflected as shown so that there are projecting tabs and truncated corners on each severed set of sheets and of course tabs on the leading set and truncated corners in the trailing set while the sets are connected in strip form, so that if the assembly of strips be reduced to a minimum of two sets of connected sheets to comprise strips, in order to keep within the language of plurals of the first part of the count, the carbons of the first set, but not of both sets, may be grasped independently of the records and the records of the second set, but not of both sets, may be grasped independently of the carbons. [Reference numerals omitted.]
>
> Sherman contends that the count relates to a succession of sheets while in connected relation and is not applicable to a set of single sheets and that the language of the count requires that the terminal margins of the connected sheets comprising the strips of one series; i. e., all the sheets of that series, extend beyond margins of the sheets of the other series as in Sherman's structure so that likewise all of the sheets of one series may be grasped independently of the connected sheets of the other series. Whereas in Johnson's device it is only at the end sets that the sheets of one series may be independently grasped but they are not sheets of the same series.
>
> It appears clear to the Examiner that the terms of the count must be read as they stand and must be taken together as a whole and so are not fairly readable on the Johnson device, and that the structures of the devices of the parties are different. Whether the contemplated modes of manipulation and operation are different does not appear material under the circumstances.

The Board of Appeals in its decision upon appeal from the Primary Examiner, in part had the following to say:

> The portion of the count over which the contestants cannot agree reads as follows:
>
> "* * * the terminal marginal portions of the detachably connected sheets comprising the strips of one series extending beyond the margins of the detachably connected sheets comprising the strips of the other series."
>
> In the Sherman application the "marginal portions" referred to here must be interpreted as applying to the front edge of the *whole sheet*. At one side of this marginal portion the sheets of carbon paper are cut away in order that the series of record sheets can be grasped

without binding the carbon sheets so that the latter may readily be separated by shaking. In the Johnson structure there are tabs on the front or terminal portion of the transfer sheets which projects beyond the front edges of the record sheets. The part of the count quoted above is broad enough to cover projections either on the record sheets or on the carbon sheets and viewed in this light it is believed that the Examiner was wrong in granting Sherman's motion to dissolve. [Italics ours.]

In passing on Sherman's request for reconsideration of its decision the Board said:

The party Sherman contends here that the phrase

"to enable the sheets of one series to be collectively grasped independently of those of the other series of strips"

means that there are "grasp escape areas" at the ends of the individual sheets which compose certain strips. We do not find that count 1 is so limited. While it is true that where claims are copied from a patent the counts shall be construed in the light of the patent, still it is also true that said counts shall be construed as broadly as the language of the counts will permit, provided there is no ambiguity present. It is not contended that there is any uncertainty present in count 1 and when the language is given its plain and ordinary meaning it will read on the Johnson disclosure. We can see no reason for changing our former decision.

The Board in its subsequent decision on the question of priority, in which it adhered to its original holding on the right of Johnson to make the claim corresponding to the count, said:

There does not appear to be anything new brought out in this appeal over what was considered in our former decision. * * *

Again we must hold that the count is not ambiguous and that when the language used therein is given its plain and ordinary meaning, it will read on the Johnson disclosure.

Sherman contends that in determining what is meant by the particular elements of the count here in controversy, resort should be had to the Sherman disclosure and that the meaning he attached to it in his application should be adopted as the meaning for the purpose of deciding the issue at bar. He urges the familiar principle of patent law that where claims are copied from a patent for the purpose of invoking an interference, and construction is necessary, resort shall be had to the specification from which the claim is taken and the meaning of the claim which such application suggests should be controlling.

Where the meaning of the language of the count is in doubt, this, of course, is the well-settled and applicable rule. It is equally well settled that if language is plain and unambiguous and not subject to different interpretations it will be given the broadest meaning which the terminology of the count will permit. If the party has claimed broadly in unambiguous language, he is not thereafter permitted to read limitations, although supported by his disclosure, into the language of the count. The foregoing principles of Patent Office interference practice are so well settled and so generally understood as to require no citation of authority.

In the instant case we are in disagreement with the Board with reference to its conclusion that the count is unambiguous. Aside from the spirited contention here between the parties as to the meaning of a portion of the count, we have a situation where the Primary Examiner holds that it means one thing and the Board on three occasions has held that it means a wholly different thing. Irrespective of what the count means when applied to the Sherman disclosure, it is our view that the disputed language of the count is meaningless when attempt is made to read it upon the Johnson disclosure.

The count refers to superimposed *strips* of record material which we will call paper, and interleaved *strips* of transfer material which we will call carbon. These *strips* are made up of detachable separate *sheets*. The count says

"said strips being disposed with the terminal marginal portions of the detachably connected sheets comprising the strips of one series extending beyond the margins of the detachably connected sheets comprising the strips of the other series."

It is our view that the words "terminal margin portions" mean the lower end of each of the *undetached* sheets—the end which, when detached, will be that portion which extends farthest from the manifolding machine.

To read this part of the count on Johnson, the terminal margin portion must be the terminal of the *strip* and not the *sheet* because there is no place in the Johnson structure, except at the end of the *strip*, where the paper can be grasped without at the same time grasping the carbon. The count clearly means that the paper, in one form of the invention, and the carbon, in the other form thereof, while in strips, shall, at the dotted margin before being detached, extend in such manner that the paper in one instance and the carbon in the other, may be grasped without affecting the relative position of the other. The cogency of this view is made apparent by a consideration of the construction which must necessarily be given to the remaining language of the count. The function of this particular structure is stated to be

"to enable the sheets of one series of *strips* to be collectively grasped independently of those of the other series of *strips*."

It is to be noticed that the count refers to *strips*. Immediately following this the count says

"the *detachable sheets* comprising one series of strips having straight uninterrupted margins on all sides." [Italics ours.]

It does not say "the detached sheets." The sheets undetached, defined by the perforated lines and the straight edges on the sides, while in the pack in strip form, have straight uninterrupted margins.

We think that to hold that the count reads upon the Johnson disclosure unduly stretches the language, and that the count, if it became a claim in a patent to Johnson, would be an interloper. See *Cleveland Gas Burner & Appliance Co.* v. *American Heater Corp.*, 38 F.(2d) 760, 763.

When attempt is made to identify the elements of the count with the Johnson disclosure, uncertainty and confusion present themselves, and it is our view that no matter how broadly the count is construed, it does not read on the Johnson disclosure, and in this case we feel very much as we did in one of the early decisions of this court—*Slattery* v. *Larner*, 17 C. C. P. A. (Patents) 725, 36 F.(2d) 298, 393 O. G. 249. There we said:

* * * It is true that an applicant need not, at the time of filing application, necessarily be conscious of every function which his device can perform in order to claim it, and in interference proceedings "claims should be given as broad a meaning as their terminology will reasonably permit." * * * But this principle should not, we think, be stretched so as to apply to a case where there is such manifest difference in structures, specifications, and claims as appears to exist in the instant case.

In passing it may be said that while the respective inventions of the parties relate to manifold material and to a degree overlap as to one of the objects of each invention, it is patent that, in the narrow field of the art involved, the respective inventions essentially relate to different subject matters. In a case of this character it seems to us that there should be an abundance of room for each inventor to operate in his own particular field and that a conclusion like that here reached, based upon what we regard as a reasonable and proper construction of a count, tends to mark the boundaries of the respective inventions and furthers the aims of the patent law system.

We conclude that the Board of Appeals erred in affirming the decision of the Examiner of Interferences awarding priority of invention in the subject matter of the count at bar to the senior party, Arthur A. Johnson, and its decision so doing is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE DAVIDSON

No. 4,354. Decided April 14, 1941

[—F.(2d)—]

APPEAL—PETITION FOR REHEARING.

Petition for rehearing in *In re Davidson*, 28 C. C. P. A. (Patents)—; 116 F.(2d) 290; 525 O. G. 276, denied.

ON PETITION for rehearing. Denied.

Mr. Harry C. Alberts for Davidson.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel for the Commissioner of Patents.

GARRETT, *P. J.*:

In this case which was decided by this court December 9, 1940 (*In re Davidson*, 28 C. C. P. A. (Patents —, 116 F.(2d) 290, appellant, on January 27, 1941, filed a petition for rehearing in which various errors are alleged to have occurred in our decision.

In our decision we said:

While appellant earnestly contends that there was error on the part of the tribunals below in the construction placed upon his application and claims, we do not find any challenge as to the accuracy of the statements of these tribunals defining the disclosure of the Bain et al. patent.

In the petition for rehearing it is alleged, in substance, that appellant did challenge the accuracy of the statements in his original brief. An examination of the original brief discloses such to be a fact, and it is due counsel for appellant that correction be made in that regard. Our former decision having been printed in various publications, the most convenient method of correcting it appears to be by this supplemental opinion. The statement above quoted may be treated as withdrawn.

This action, however, has no effect upon the conclusion originally reached by us as to the actual merits of appellant's case, it being our view that the tribunals below did correctly define the disclosure of the Bain et al. patent.

The other points presented in the petition for rehearing have been given careful study, but they present no ground upon which we feel that appellant could properly be granted the patent he seeks.

The petition is denied, we adhering to the conclusion originally reached.

U. S. Court of Customs and Patent Appeals

MARTELL & COMPANY

v.

SOCIETE ANONYME DE LA BENEDICTINE, DISTILLERIE DE LA LIQUER DE L'ANCIENNE ABBAYE DE FECAMP

AND

SOCIETE ANONYME DE LA BENEDICTINE, DISTILLERIE DE LA LIQUER DE L'ANCIENNE ABBAYE DE FECAMP

v.

MARTELL & COMPANY

Nos. 4,390 and 4,391. Decided January 6, 1941

[116 F.(2d) 516]

1. TRADE-MARKS—RIGHT TO REGISTER—DESCRIPTIVENESS OF MARK.

"Since it is admitted that the notation 'B and B' is a designation of Benedictine and brandy in equal parts and that the designation has been popularly and exclusively so used in the United States for approximately thirty years, we think that the term is necessarily descriptive of the said goods, within the meaning of section 5 of the Trade-Mark Act and the fact that the mark contains auditional letters of an apparently arbitrary nature does not change the situation."

2. SAME—INJURY TO OPPOSER.

In view of the probability that the M Co. would be damaged by the registration to the B Co. of the mark for which the latter has made application *Held* that the opposition of the M Co. should have been sustained.

APPEAL from Patent Office. Modified.

Mr. Maurice J. Moore for Martell and Company.

Mr. Asher Blum (*Mr. Hugo Mock* of counsel) for Societe Anonyme de la Benedictine, Distillerie de la Liquer de L'Ancienne Abbaye de Fecamp.

JACKSON, *J.*:

The Benedictine Company, so referred to for convenience, organized under the laws of the Republic of France and doing business in France and in the United States, filed in the United States Patent Office its application for registration of a trademark as applied to an alcoholic beverage made by the applicant and which consists of equal parts of Benedictine and cognac brandy.

The mark which had been registered in France, and which is here sought to be registered, is in the following form:



The mark was duly examined and allowed and due publication made thereof. Thereafter a notice of opposition to the registration of the said mark was filed by Martell & Co., a firm domiciled in Cognac, France, and there engaged in the business of producing, packing and shipping cognac brandy.

The applicant is the owner of the trade-mark "Benedictine" as applied to a liquer manufactured solely by applicant.

The opposition is directed to the registration of the trade-mark because of the notation "B and B" appearing thereon.

In the notice of opposition it is alleged that the Martell Company has continuously engaged in its business for over one hundred years; that its brandy has been imported into and widely distributed throughout the United States for upwards of fifty years, except during the period of prohibition; that the brandy has acquired a wide and favorable reputation in this country and has been extensively used as a component part of a beverage known as "B and B" (Benedictine and brandy); that the term "B and B," by reason of its long use, has become generic and belongs to the public domain and that it is descriptive of the beverage itself.

The Martell Company sets out its alleged injury as follows:

6. That the opposer is particularly injured and damaged by any claim of the applicant to the exclusive use of the term "B and B" for liquers and cognac because the opposer is engaged in the business of supplying cognac brandy for alcoholic beverages, which cognac brandy, as well as brandy of other manufacturers, is used in the making of "B and B," and the granting of any registration to the applicant gives an apparent sanction to the claim of the applicant to the exclusive use of the name "B and B" as applied to liquers and cognac; and such apparent sanction by the United States Patent Office would mislead customers of opposer in the belief that no one but the applicant has the right to use "B and B" as applied to liquers and cognac; and that sellers of beverages for immediate consumption by consumers would refrain from purchasing opposer's brandy for the purpose of making the beverage known as "B and B." That such discrimination would be most injurious and damaging to the opposer. That such registration would give to applicant statutory and prima facie trade-mark rights to which it is not entitled.

7. The opposer alleges that applicant well knows that "B and B" as applied to liquers has been in general and extensive use for many years prior to May 16, 1936, in the United States of America as indicating a beverage composed partly of brandy and that no one has any right to exclusively appropriate "B and B" as applied to liquers and cognac in the United States of America, and has been fully aware of the general and extensive use of the descriptive term and name "B and B."

8. That on information and belief applicant seeks to obtain registration in the United States Patent Office for the main purpose of obtaining the sanction of the Patent Office to the registration applied for in order to enable the applicant to obtain an exclusive sale of the brandy in the beverage long known as "B and B."

The Benedictine Company, in its answer to the allegations contained in the notice of opposition, admitted that the term "B and B" is widely and extensively used to designate an alcoholic beverage composed of equal parts of genuine Benedictine and brandy. It alleges that the Martell Company has no rights in the mark "B and B" itself; denies that opposer would be in any way injured by the registration and alleges that it has the exclusive right to manufacture and sell the beverage known as Benedictine "B and B" by reason of its ownership of the trade-mark "Benedictine." It further alleges that it has the sole and exclusive right to employ the designation "B and B" or Benedictine "B and B" for the reason that it has the sole and exclusive right to furnish one of the ingredients of the beverage, namely, Benedictine. It also denies that opposer has any such interest in the mark "B and B" as to entitle it to file a notice of opposition herein.

It will be observed that the Martell Company sought to draw in the "descriptiveness" clause of section 5 of the Trade-Mark Act of February 20, 1905, as amended, as the statutory ground for denying the right of registration (section 7 of the said act) claimed by the applicant.

Neither party took testimony and the issue was presented to the Examiner of Interferences upon an agreed statement of facts as follows:

1. That the trade-mark Benedictine is a good and valid trade-mark, the property of the applicant, Societe Anonyme de la Benedictine, etc., and that it has been used for an alcoholic liqueur abroad since the year 1865 and in the United States since approximately the year 1870.

2. That the opposer, Martell & Co., is a firm having its principal office at Cognac, France, and that including its predecessors in title has been continuously engaged in the manufacture and sale of cognac brandy for over one hundred years, and for more than eighty years has sold cognac brandy in the United States under the brand name of Martell.

3. That the applicant, Societe Anonyme de la Benedictine, etc., has used the trade-mark herein applied for, including the letters "B and B" on a bottled alcoholic liqueur in the United States since May 16th, 1936, but not prior to that date.

4. That the term "B and B" as the name for an alcoholic beverage has been popularly and exclusively known in the United States for approximately thirty years to designate a mixture of the liqueur Benedictine of Societe Anonyme de la Benedictine, etc.—50%, and cognac brandy 50%. That until the marketing of the article known as "B and B" and identified by the label of the applicant, Societe Anonyme de la Benedictine, etc., there has not been sold in the United States or elsewhere any bottled beverage labelled "B and B," but that the term "B and B" used to indicate the "B and B" alcoholic beverage was used in commerce only orally to designate a beverage composed of 50% of Benedictine and 50% of cognac brandy.

5. That said term "B and B" to designate such a mixture of Benedictine and cognac brandy has been used orally at alcoholic beverage bars in the United States, England and France, for approximately thirty years, and that upon a request by a customer of such beverage bars, the attendant at such beverage bars was expected to and actually did fill such order with 50% of Benedictine and 50% of a brandy or cognac brandy designated by the particular attendant or by the particular bar at which the beverage was ordered, except when the consumer designated the specific brand of cognac which he desired. That consumers in some instances did and still do designate Martell brandy in their orders for "B and B."

6. That in a large proportion of such verbal orders for the alcoholic beverage known as "B and B," such order was filled by supplying a beverage composed of 50% of Benedictine and 50% of Martell cognac brandy, the product of the opposer herein, and that the sales of Martell brandy used in the dispensing of the alcoholic beverage known as "B and B" have been substantial.

7. That the words "B and B" as used for an alcoholic beverage in the United States have acquired a secondary meaning as in all cases indicating a beverage composed of 50% Benedictine and 50% of brandy the choice of the brandy being optional with the bar dispensing the beverage, except in instances where the consumer designates the make of brandy.

8. That applicant is selling and intends to continue to sell in the United States the liqueur known as Benedictine.

9. Either party to this opposition shall at final hearing be entitled to use any certificates of registration of the applicant or of the opposer now on record in the United States Patent Office.

Upon this record the Examiner of Interferences dismissed the notice of opposition and adjudged the Benedictine Company to be entitled to the registration for which it made application. While the Examiner stated that the notation "B and B" seems to be the dominant feature of the mark, he reasoned that even though the Benedictine Company admitted that "B and B" signifies Benedictine and brandy, that prior to the adoption of the mark in issue the said beverage of Benedictine and brandy had not been sold as a unitary bottled product, but was obtainable only upon the verbal order of those who desired the beverage, such orders being filled with Benedictine and an appropriate brandy, in many cases the brandy of the Martell Company.

With regard to the claimed descriptiveness of the mark, the Examiner stated in his decision that:

* * * unless a registration issued upon the application under consideration could be utilized as prima facie evidence of the lack of right of the opposer or persons in privity therewith to use the term "B and B" merely for purposes of description, it is believed that "damage" within the meaning of section 6 may not be properly here inferred.

The Examiner further stated that because the Benedictine Company is the sole source of Benedictine liqueur an expression such as "Benedictine and brandy," "Benedictine and lemon," or the equivalent thereof for corresponding bottled mixed drinks would necessarily indicate that such product originated with the maker of the liqueur. He also reasoned that since the notation "B and B" does not designate Martell & Co.'s goods or any other brandy, that the purchaser who desired a beverage consisting of Benedictine and a particular brandy would be compelled to name the brandy entering into the mixture. The Examiner stated that:

"This situation is not changed by the sale of the merchandise for which applicant seeks registration or the use of the mark in issue thereon."

With respect to the claim of injury to Martell & Co. that the registration of the mark might be used for the purpose of preventing the sale of its goods upon an order therefor as an ingredient of the beverage consisting of Benedictine and brandy, the Examiner held that mere possibility of injury is deemed not to be proper ground for refusing registration.

Upon appeal the Commissioner of Patents affirmed the decision of the Examiner of Interferences with respect to dismissing the notice of opposition, and in the absence of an appropriate disclaimer of the notation "B and B" reversed the said decision with respect to the holding that the Benedictine Company is entitled to the registration of its mark for the reason that the mark is descriptive of the goods. Both parties appealed to this court from the decision of the Commissioner. The Benedictine Company appealed from the said reversal and the Martell Company appealed from the said affirmance.

It is clear from the record that any purchaser who so desires, even with the applicant's bottled "B and B" on the market, can still specify the use of Martell brandy with Benedictine if he prefers that brand of cognac, and there is nothing in the trade-mark law which can prevent the sale by the Benedictine Company of "B and B" in bottles.

[1] Since it is admitted that the notation "B and B" is a designation of Benedictine and brandy in equal parts and that the designation has been popularly and exclusively so used in the United States for approximately thirty years, we think that the term is necessarily descriptive of the said goods, within the meaning of section 5 of the Trade-Mark Act and the fact that the mark contains additional letters of an apparently arbitrary nature does not change the situation.

It is to be observed that the notation "B and B" stands out so boldly in the relatively faintly hatched letters "D O M" that the latter seem insignificant and they would attract little, if any, visual attention. "B and B" is the very essence of the mark and without this notation it is obvious that the Benedictine company would not have sought the registration for which it made application. In our opinion the registration of the mark as applied for would, in effect, be equivalent to registration of the term "B and B" by itself.

[2] Upon the agreed statement of facts there appears to be a probability that the Martell Company would be damaged by the registration of the mark. Therefore, the decision of the Commissioner with respect to the dismissal of the opposition is reversed, and the decision with respect to refusing the registration is affirmed.

Modified.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

Re. 21,030. E. H. Greibach, Bone conduction hearing device, filed Mar. 12, 1941, D. C., N. D. Ohio, E. Div., Doc. 20730, *E. H. Greibach et al.* v. *Paraphone Hearing Aid, Inc.*

Re. 21,236, D. R. Hillis, Divisional feeder, filed Mar. 20, 1941, D. C., E. D. Mich., S. Div., Doc. 2530, *Trabon Engineering Corp.* v. *Dirkes Industries, Inc.*

Des. 111,248, H. L. Forman, Propelled vehicle, D. C., S. D. N. Y., Doc. 5/79, *H. L. Forman* v. *American Express Co. et al.* Judgment (notice Mar. 17, 1941).

Des. 114,738, J. Scharlott, Dress, filed Mar. 13, 1941, D. C., S. D. N. Y., Doc. 13/229, *Scharlott Dress Co.* v. *Novel Dress Mfg. Co., Inc.*

Des. 114,861, M. Massow, Dress, filed Mar. 14, 1941, D. C., S. D. N. Y., Doc. 13/232, *Massow Frocks, Inc.*, v. *Darcy Dress, Inc.*

Des. 114,873, M. Massow, Dress ensemble, filed Mar. 13, 1941, D. C., S. D. N. Y., Doc. 13/222, *Massow Frocks, Inc.*, v. *Al-Jean Frocks Co., Inc.*

Des. 114,885, M. Massow, Dress, filed Apr. 2, 1941, D. C., S. D. N. Y., Doc. 13/386, *Massow Frocks, Inc.*, v. *Pepy Frocks, Inc.*

Des. 119,129, E. Kay, Dress ensemble, D. C., S. D. N. Y., Doc. 9/63, *Roseeeb Frocks, Inc.*, v. *Jomax Frocks, Inc.* Consent judgment (notice Mar. 1, 1941).

Des. 119,136, S. Novak, Dress ensemble, D. C., S. D. N. Y., Doc. 8/39, *Flora Dress Co.* v. *Futterman-Sotto, Inc.* Judgment (notice Mar. 31, 1941).

Des. 119,552, L. L. Kashine, Dress ensemble, filed Mar. 25, 1941, D. C., S. D. N. Y., Doc. 13/312, *Ladycraft Dresses, Inc.*, v. *Puritan Shirt & Dress Co., et al.*

Des. 119,579, A. Ruchman, Dress, D. C., S. D. N. Y., Doc. 13/144, *Apex Dress Co., Inc.*, v. *H. H. Greenberg, Inc.* Consent judgment (notice Mar. 15, 1941). Doc. 8/98, *Apex Dress Co., Inc.*, v. *Rona Dresses, Inc.* Consent order of discontinuance (notice Mar. 15, 1941). Doc. 13/298, filed Mar. 24, 1941, D. C., S. D. N. Y., Doc. 13/298, *Apex Dress Co., Inc.*, v. *Carol Dale Dress Co., Inc.*

Des. 120,179, S. Novak, Dress ensemble, D. C., S. D. N. Y., Doc. 9/62, *Flora Dress Co.* v. *Finchley Frocks, Inc.* Judgment (notice Apr. 1, 1941). Doc. 9/133, *Flora Dress Co.* v. *Bencil Frocks, Inc.* Decree as above.

Des. 120,540, M. Boucher, Pin, filed Mar. 14, 1941, D. C., S. D. N. Y., Doc. 13/233, *Marcel Boucher, Ltd.*, v. *D. Lisner & Co., Inc.*

Des. 121,023, H. T. Roberts, Cabinet for a loud speaker, D. C., N. D. Ohio, E. Div., Doc. 20629, *J. P. Seeburg Corp.* v. *Reliable Specialty Co. et al.* Consent judgment holding patent valid and infringed, injunction Mar. 17, 1941. Same, D. C., N. D. Ill., E. Div., Doc.

1855, *J. P. Seeburg Corp.* v. *J. H. Keeney & Co.* Decree as above Mar. 12, 1941.

Des. 121,452, S. Novak, Dress ensemble, D. C., S. D. N. Y., Doc. 11/280, *Flora Dress Co.* v. *Venus Dress Co.* Consent judgment (notice Mar. 25, 1941).

Des. 122,076, E. W. Freudenberg, Lace trimming, filed Mar. 25, 1941, D. C., S. D. N. Y., Doc. 13/313, *E. W. Freudenberg et al.* v. *Sol Wolfman, Inc.*

Des. 122,283, C. Charles, Dress, D. C., S. D. N. Y., Doc. 10/316, *Sandler & Lane, Inc.*, v. *Pearl Dress Co., Inc.* Consent judgment (notice Mar. 20, 1941).

Des. 122,482, A. C. Fletcher, Battery charger, filed Mar. 17, 1941, D. C., W. D. Okla. (Oklahoma City), Doc. 721, *A. C. Fletcher* v. *Shearer Electric Co.*

Des. 122,717, J. W. Christensen, Dentist's cabinet, D. C., S. D. Ind. (Indianapolis), Doc. 338, *Hamilton Mfg. Co., Inc., et al.* v. *American Professional Equipment Corp.* Dismissed Feb. 24, 1941.

Des. 122,833, V. Amen, Dress, D. C., S. D. N. Y., Doc. 11/50, *F. H. Saflan Co., Inc.*, v. *Futterman-Sotto, Inc.* Consent judgment (notice Apr. 1, 1941).

Des. 122,867, J. J. Goldsmith, Textile fabric, filed Apr. 2, 1941, D. C., S. D. N. Y., Doc. 13/379, *Hess, Goldsmith & Co., Inc.*, v. *Rutger Silk Co., Inc.*

Des. 123,529, M. Ellenbogen, Dress, D. C, S. D. N. Y., Doc. 11/363, *Witlin & Schneider* v. *Tailor-Craft Dress Co.* Default judgment (notice Mar. 13, 1941).

Des. 124,475, G. Monteil, Dress ensemble, filed Mar. 21, 1941, D. C., S. D. N. Y., Doc. 13/287, *Germaine Monteil, Inc.*, v. *Sandre.*

Des. 124,802, W. A. Laundry, Textile fabric, filed Mar. 18, 1941, D. C., S. D. N. Y., Doc. 13/259, *Morris W. Haft & Bros., Inc.*, v. *Irving Finker, Inc.* Consent judgment (notice Apr. 1, 1941). Doc. 13/247, *Morris W. Haft & Bros., Inc.*, v. *Rothshire Coats, Inc.* Doc. 13/333, *Morris W. Haft & Bros., Inc.*, v. *Lou Schneider, Inc.* Doc. 13/334, *Morris W. Haft & Bros., Inc.*, v. *Associated Lerner Shops of America, Inc., et al.* Doc. 13/335, *Morris W. Haft & Bros., Inc.*, v. *L. C. Chase Co.*

Des. 124,921, F. Hoenig, Lace collar, filed Mar. 25, 1941, D. C., S. D. N. Y., Doc. 13/314, *Tobler & Hoenig* v. *Bretton Dress Corp. et al.*

Des. 124,937, I. Kaplan, Handbag, filed Mar. 17, 1941, D. C., S. D. N. Y., Doc. 13/250, *I. Kaplan* v. *Excel Handbags Co., Inc.* Doc. 13/235, *Excel Handbags Co., Inc.*, v. *Kaplan & Gordon Corp. et al.* Doc. 13/235, *Excel Handbags Co., Inc.*, v. *Kaplan & Gordon Corp. et al.* Consent order of discontinuance (notice Mar. 29, 1941).

Des. 125,024, E. Leventhal, Suit, filed Mar. 14, 1941, D. C., S. D. N. Y., Doc. 13/237, *Leventhal & Hurwitz* v. *Abbey Coat Co., Inc., et al.*

Des. 125,364, H. Borax, Dress ensemble, filed Mar. 19, 1941, D. C., S. D. N. Y., Doc. 13/263, *Gracette Dress Corp.* v. *Feinberg-Wiesen, Inc.*

Des. 125,380, J. Taylor, Dress, filed Mar. 21, 1941, D. C., S. D. N. Y., Doc. 13/286, *Janet Taylor* v. *Toni Frocks, Inc.*

Des. 125,383, E. Breer, Dress, filed Mar. 12, 1941, D. C., S. D. N. Y., Doc. 13/219, *Musman, Pincus, Inc.*, v. *Tailored Junior Dress Co., Inc.*

Des. 125,555, M. Wolff, Dress ensemble, filed Mar. 17,1941, D. C., S. D. N. Y., Doc. 13/256, *Ladycraft Dresses, Inc.*, v. *Louis Platt, Inc.*

Des. 125,671, N. Rosenstein, Dress, filed Mar. 21, 1941, D. C., S. D. N. Y., Doc. 13/284, *Nettie Rosenstein Gowns, Inc.*, v. *Sandre.*

Des. 125,692, H. Josephson, Drapery fabric, filed Mar. 18, 1941, D. C., S. D. N. Y., Doc. 13/261, *H. Josephson* v. *Paroma Draperies, Inc.*

Des. 125,693, W. Markle, Pin, filed Mar. 18, 1941, D. C., S. D. N. Y., Doc. 13/257, *The Castle-Cliff Co.* v. *Brier Mfg. Co., Inc., et al.*

Des. 125,698, G. W. Cohen, Dress, filed Mar. 19, 1941, D. C., S. D. N. Y., Doc. 13/273, *G. W. Cohen Corp.* v. *Blue Gem Dresses, Inc., et al.*

Des. 125,701, A. Del Re, Coat, filed Apr. 2, 1941, D. C., S. D. N. Y., Doc. 13/384, *Monarch Garment Co., Inc.*, v. *Faitelson Coat Co.*

Des. 125,735, S. Novak, Dress ensemble, filed Mar. 19, 1941, D. C., S. D. N. Y., Doc. 13/264, *Flora Dress Co.* v. *Pearl Dress Co., Inc.*

Des. 125,966, C. Lang, Dress ensemble, filed Mar. 22, 1941, D. C., S. D. N. Y., Doc. 13/296, *C. Lang et al.* v. *Harold-Green, Inc.*

Des. 126,003, J. Elkins, Dress, filed Mar. 21, 1941, D. C., S. D. N. Y., Doc. 13/285, *Sam Steinberg & Co., Inc.*, v. *Debi-Dance Frocks, Inc.* Doc. 13/288, *Sam Steinberg & Co., Inc.*, v. *Reich-Goldfarb Co., Inc.* Doc. 13/336, *Sam Steinberg & Co., Inc.*, v. *Dartford Debs, Inc.*

Des. 126,144, L. Katz, Dress, filed Mar. 29, 1941, D. C., S. D. N. Y., Doc. 13/349, *Nite Club Frocks, Inc.*, v. *Young Modes, Inc.*

Des. 126,329, A. Berin, Dress, filed Apr. 2, 1941, D. C., S. D. N. Y., Doc. 13/383, *Harvey Berin Co.* v. *L. & D. Bellinson, Inc., et al.*

Des. 126,350, A. Ruchman, Dress, filed Apr. 2, 1941, D. C., S. D. N. Y., Doc. 13/385, *Apex Dress Co., Inc.*, v. *Colmay Frocks Co., Inc.*

T. M. 215,825, The Larsen Co., Canned mixed vegetables, D. C., N. D. Ill., E. Div., Doc. 2249, *The Larsen Co.* v. *Garden Products, Inc.* Consent decree enjoining defendant Mar. 25, 1941.

T. M. 359,375, Electro-Medical Laboratory, Inc., Amplifying and oscillographic recording systems for the purpose of investigating the electrical potentials generated by the brain, D. C., N. D. Ill., E. Div., Doc. 2015, *Electro-Medical Laboratory, Inc.*, v. *Offner Electronics.* Trade-mark held invalid; decree that plaintiff be enjoined from asserting said alleged trade-mark against defendant Jan. 23, 1941.

Plant 187, W. Spandikow, Jr., Rose plant, filed Mar. 17, 1941, D. C., E. D. Mich., S. Div., Doc. 2526, *William Spandikow, Jr.*, v. *Mt. Clemens Greenhouse Co., Inc.*

Disclaimers

2,136,695.—*Gordon F. Laing*, Minneapolis, Minn. MOTOR CONTROL SYSTEM. Patent dated November 15, 1938. Disclaimer filed May 9, 1941, by the assignee, *The Brown Instrument Company.*

Hereby enters this disclaimer to claims 8, 9, and 10 in said specification.

2,214,487.—*William Carleton Starkey*, Indianapolis, Ind. REVERSING CLUTCH CONSTRUCTION FOR POWER DRIVES. Patent dated September 10, 1940. Disclaimer filed May 17, 1941, by the assignee, *L. G. S. Spring Clutches, Incorporated.*

Hereby enters this disclaimer to claims 7 and 8 in said specification.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 10, 1941

[VOL. 527. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 441,025. MANUFACTURERS CHEMICAL CORPORATION, Jersey City, N. J. Filed Feb. 26, 1941.

MACITE

FOR CELLULOSE ACETATE PLASTIC MOULDING MATERIALS.
Claims use since Oct. 1, 1940.

Ser. No. 442,052. SEALCO INC., New York, N. Y. Filed Mar. 28, 1941.



The word "Mo Ray" is disclaimed apart from the mark.
FOR DRESSED FUR SKINS AND DYED FUR SKINS.
Claims use since Feb. 21, 1941.

Ser. No. 442,183. ANDERSON, CLAYTON & Co., Houston, Tex. Filed Apr. 2, 1941. Under act of Feb. 20, 1905, as amended June 10, 1938.

Paymaster

FOR FIELD AND GARDEN SEEDS FOR PLANTING PURPOSES.
Claims use since Dec. 11, 1937.

Ser. No. 442,190. THOMAS M. DIX, Everett, Mass. Filed Apr. 2, 1941.

DFD

FOR LIVE FOXES AND FOX PELTS.
Claims use since Mar. 7, 1941.

CLASS 2

RECEPTACLES

Ser. No. 427,920. WILLIAM R. KOHL, Chicago, Ill. Filed Jan. 25, 1940.

MothXterma
GARMENT STORAGE VAULT

Applicant disclaims the words "Moth" and "Garment Storage Vault" except in the relation shown.
FOR GARMENT STORAGE BAGS.
Claims use since July 8, 1939.

Ser. No. 437,402. BENJ C. BETNER Co., Devon, Pa. Filed Oct. 30, 1940.

LAMOFILM

FOR PAPER BAGS SOLD IN TRADE EMPTY.
Claims use since Oct. 15, 1940.

Ser. No. 442,498. CHARLES SCHLANG, New York, N. Y. Filed Apr. 11, 1941.

"TA-KIT"

Applicant disclaims the word "Kit" except as used in connection with the mark shown.
FOR CARDBOARD CONTAINERS SIMULATING SUITCASES, VALISES, AND BAGS.
Claims use since Apr. 7, 1941.

Ser. No. 442,725. DANIEL ROSENBAUM, Wilmington, Del. Filed Apr. 18, 1941.

RUG-AWAY

No claim is made to the word "Rug" apart from the mark.
FOR CARDBOARD, FIBERBOARD, PLYWOOD, AND/OR METAL RUG CONTAINERS.
Claims use since Apr. 12, 1941.

Ser. No. 442,739. TREINIS BROTHERS, INC., Brooklyn, N. Y. Filed Apr. 18, 1941.

TRAVELTIME

FOR KNITTED BAGS FOR STORING OR WRAPPING SHOES.
Claims use since August, 1940.

Ser. No. 442,830. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Apr. 22, 1941.

Kodak

FOR FILING BOXES.
Claims use since June 6, 1940.

Ser. No. 442,874. ONEIDA PAPER PRODUCTS, INC., New York, N. Y. Filed Apr. 23, 1941.

CLAROPHANE

FOR CELLULOSE FILM, GLASSINE, OR PAPER BAGS, WHICH ARE SOLD IN TRADE EMPTY.
Claims use since Apr. 9, 1941.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 443,063. H. A. ADAMS & CO., INC., New York, N. Y. Filed Apr. 29, 1941.

EVENING PASSPORT
(Passport for Evening)

FOR LADIES' AND MISSES' HANDBAGS AND POCKETBOOKS.
Claims use since Apr. 22, 1940.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 441,162. THE HAAG LABORATORIES, INC., Chicago, Ill. Filed Mar. 3, 1941.

KEMI-KLOTH

The word "Kloth" is disclaimed apart from the mark.
FOR CHEMICALLY TREATED POLISHING CLOTHS.
Claims use since January, 1941.

Ser. No. 441,862. FRANKLIN E. EVERSON, doing business as F. E. Everson, New York, N. Y. Filed Mar. 24, 1941.

365

FOR BRUSHLESS SHAVING CREAM.
Claims use since Mar. 21, 1941.

Ser. No. 441,906. GOLDEN WAX CLEANSER COMPANY, Clarksville, Tenn. Filed Mar. 25, 1941.

GO-WAC-CO

"MAKES CLEANING DAY A PLEASURE"

FOR LIQUID METAL POLISH.
Claims use since Mar. 17, 1941.

Ser. No. 441,907. GOLDEN WAX CLEANSER COMPANY, Clarksville, Tenn. Filed Mar. 25, 1941.

GOLDEN WAX CLEANSER
"Makes Cleaning Day a Pleasure"

The words "Wax Cleanser" are disclaimed apart from the mark.
FOR GENERAL HOUSEHOLD CLEANING COMPOUND FOR FURNITURE, PAINTED, ENAMELED, AND ALL VARNISHED SURFACES, LEATHER, SCREENS, LINOLEUM, BATH TUBS, VENETIAN BLINDS, AND HARDWOOD FLOORS.
Claims use since January, 1929.

Ser. No. 441,908. GOLDEN WAX CLEANSER COMPANY, Clarksville, Tenn. Filed Mar. 25, 1941.

"KLEANVAK"

"Makes Cleaning Day A Pleasure"

FOR CLEANER FOR RUGS AND TEXTILE FABRICS.
Claims use since January, 1935.

Ser. No. 442,439. AMERICAN STEEL WOOL MFG. CO. INC., Long Island City, N. Y. Filed Apr. 10, 1941.

SO PAZ

FOR STEEL WOOL.
Claims use since Apr. 8, 1941.

Ser. No. 442,440. AMERICAN STEEL WOOL MFG. CO. INC., Long Island City, N. Y. Filed April 10, 1941.

ZOPAZ

FOR STEEL WOOL.
Claims use since Apr. 8, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 433,064. MICHAEL'S COSMETIC & BEAUTY STUDIO, Los Angeles, Calif. Filed June 15, 1940.

PerLux

FOR ASTRINGENT LOTION, BATH CRYSTALS, BEAUTY PACK, BRILLIANTINE, BLEACHING CREME, COMBINATION CREME, CLEANSING CREME, CONCENTRATE WAVE SET LOTION, COMPLEXION LOTION, CUTICLE OIL, DEODORANT LOTION, EMOLLIENT CREME, EYE SHADOW, EYE BROW PENCIL, FACE POWDER, FOLLICLE LOTION, HAIR RINSE, HAIR OIL, HAIR DRESSING, HAND LOTION, LIQUID POWDER, LIQUID CLEANSING CREAM, LIPSTICK, MAKE-UP BASE, MASCARA, MINT MASQUE, OILY POLISH REMOVER, PEARLY HAND CREME, PERMANENT WAVE CREAM, PERMANENT WAVE LOTION, REWAVE CREAM, SUNTAN LOTION, SUNTAN OIL, SUNTAN CREAM, AFTER-SHAVING LOTION, SOLUTION "B" FOR REWAVING, TOILET WATER.
Claims use since Aug. 1, 1935.

Ser. No. 439,630. PROTOZYME LABORATORIES, INC., Detroit, Mich. Filed Jan. 13, 1941.

PROTOZYME

FOR PREPARATION FOR INTRAVENOUS INJECTION FOR USE IN THE TREATMENT OF LOCOMOTOR ATAXIA (TABES DORSALIS).
Claims use since January, 1926.

Ser. No. 440,174. RARE CHEMICALS, INC., Flemington, N. J. Filed Jan. 31, 1941.

SALYSAL

FOR SALICYLIC-ACID ESTER OF SALICYLIC ACID.
Claims use since Apr. 8, 1920.

Ser. No. 441,375. ALAN W. ROSS, doing business as Ped-O-Sav Co., Montclair, N. J. Filed Mar. 8, 1941.

"PED-O-SAV"

FOR PREPARATION FOR THE TREATMENT OF ATHLETE'S FOOT OR OTHER INFECTIONS.
Claims use since Feb. 20, 1941.

Ser. No. 441,410. FLORENCE GREENE PIPER, Los Angeles, Calif. Filed Mar. 10, 1941.

PEDIMOLL

FOR CREME FOR THE FEET.
Claims use since July 1, 1934.

Ser. No. 441,505. THE DRUG PRODUCTS CO., INC., Long Island City, N. Y. Filed Mar. 13, 1941.

Morlotan

FOR MEDICINAL SKIN OINTMENT USED FOR THE EPITHELIZATION OF TISSUE, AS IN CASES OF CHRONIC ABSCESSES, CELLULITIS, FELONS, PERIOSTITIS, OSTEOMYELITIS, CARBUNCLES, DIABETIC AND VARICOSE ULCERS, BURNS WITH INFECTED NECROTIC AREAS, INFECTED OR SLOUGHING WOUNDS.
Claims use since May 28, 1937.

Ser. No. 441,552. SEMS COMPANY, INC., Stamford, Conn. Filed Mar. 14, 1941.

ACO-GEL

"Gel" is disclaimed apart from "Aco."
FOR PREPARATIONS FOR THE TREATMENT OF COLDS.
Claims use since Oct. 1, 1939.

Ser. No. 441,596. YEE BACK YIM, doing business as Yee Dai Chee, San Francisco, Calif. Filed Mar. 15, 1941.



YEE DAI CHEE

The portrait is that of applicant.
FOR LINIMENT FOR RELIEF OF PAIN FROM RHEUMATISM.
Claims use since Feb. 3, 1941.

Ser. No. 441,704. JOSEPH J. KELLEY, doing business as Kelley Sales Company, Minneapolis, Minn. Filed Mar. 19, 1941.

KELKURE

FOR HERB MEDICINE TO BE TAKEN AS A TONIC AND USEFUL AID IN SIMPLE DISEASES OF THE BLOOD.
Claims use since Mar. 14, 1941.

Ser. No. 441,727. ISAIAH CONWAY, doing business as Conway's Arrowhead Herb Company, Sacramento, Calif. Filed Mar. 20, 1941.

CONWAY'S ARROWHEAD
ARROWHEAD INDIAN HERB CO. CHICO, CALIF.

The drawing is lined for red. "Conway's," "Chico," and "Calif." are disclaimed apart from the mark.
FOR PREPARATIONS FOR THE TREATMENT OF DYSENTERY, HEART AILMENTS, BRONCHIAL AF-

FECTIONS, STOMACH DISORDERS, A LAXATIVE, RUBBING LINIMENTS, A VAGINAL DOUCHE, ECZEMA, EAR DROPS, EYE LOTION, SWEET SPIRITS OF NITRE, A NERVE TONIC, KIDNEY AILMENTS, BLADDER AILMENTS, HOARSENESS AND COUGHS AND INFLAMMATION.
Claims use since June 1, 1928.

Ser. No. 441,804. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Mar. 22, 1941.

SANSCENT CRAYON

The word "Crayon" is disclaimed apart from the mark.
FOR DEODORANT STICK.
Claims use since Mar. 1, 1940.

Ser. No. 441,977. NEVILLE & EVERETT, Scotland Neck, N. C. Filed Mar. 26, 1941.

NEV-ETT

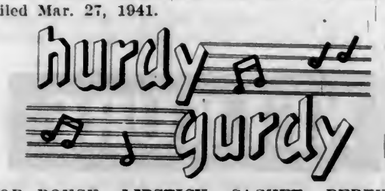
FOR POWDERED COMPOUND FOR USE IN EXTERMINATING LICE.
Claims use since Jan. 15, 1939.

Ser. No. 441,980. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Mar. 26, 1941.

PENTAPLEX

FOR GENERAL TONIC.
Claims use since Mar. 18, 1941.

Ser. No. 441,991. BABS CREATIONS, INC., New York, N. Y. Filed Mar. 27, 1941.



FOR ROUGE, LIPSTICK, SACHET, PERFUMES, BATH SALTS, BATH OIL, ASTRINGENTS, TALCUM POWDER, FACE POWDER, COLOGNE, DUSTING POWDER, FACE CREAMS, NAIL POLISH, PREPARATIONS FOR THE PREVENTION AND TREATMENT OF SUNBURN, MASCARA, WAVE SETS AND LOTIONS.
Claims use since Mar. 12, 1941.

Ser. No. 442,334. THE RESERVE RESEARCH COMPANY, Cleveland, Ohio. Filed Apr. 5, 1941.

ALOLOID

FOR MEDICINAL PREPARATION COMPRISING A FINELY DISPERSED COLLOID OF ALUMINUM HYDROXIDE WITH MINERAL OIL EMULSION HAVING THE MEDICINAL AND THE THERAPEUTIC PROPERTIES OF NEUTRALIZING HYDROCHLORIC ACID IN THE DIGESTIVE TRACT IN THE TREATMENT OF PEPTIC ULCER AND GASTRIC HYPERACIDITY.
Claims use since Jan. 2, 1940.

Ser. No. 442,353. ROBERT H. HARKINS, doing business as Nott Manufacturing Company, New York, N. Y. Filed Apr. 7, 1941.



The word "Kilmice" is disclaimed apart from the mark.
FOR MICE EXTERMINATOR.
Claims use since June, 1936.

Ser. No. 442,387. CAPITOL MEDICINE COMPANY, Montgomery, Ala. Filed Apr. 8, 1941.



FOR DECOCTION OF WILLOW AND CHERRY, FOR THE TREATMENT OF DYSENTERY, FLUX, DIARRHEA, COLITIS, AND MINOR STOMACH DISORDERS.
Claims use since Mar. 27, 1941.

Ser No. 442,405. AMFRE DRUG CO. INC., New York, N. Y. Filed Apr. 9, 1941.

AMFRIN

FOR PHARMACEUTICAL PREPARATION AS A HYPNOTIC SEDATIVE.
Claims use since Mar. 1, 1941.

Ser. No. 442,852. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Apr. 22, 1941.

drene
Supreme

FOR SHAMPOO.
Claims use since Feb. 21, 1941.

CLASS 8
SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 442,370. THOMAS R. SCHLITZ, Newark, N. J. Filed Apr. 7, 1941.

RET-LIF

FOR CIGAR HOLDER.
Claims use since Mar. 29, 1941.

CLASS 9
EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 440,576. CALIFORNIA COTTON MILLS COMPANY, Oakland, Calif. Filed Feb. 12, 1941.

Tampcot

FOR STEMMING WADS ADAPTED TO STEMMING AND SEALING IN THE POWDER CHARGE IN A BLAST HOLE.
Claims use since Jan. 15, 1941.

CLASS 12
CONSTRUCTION MATERIALS

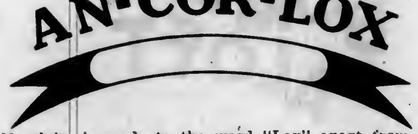
Ser. No. 442,414. THE FELTERS COMPANY, Boston, Mass. Filed Apr. 9, 1941.

FELCOPAK

FOR HEAT AND SOUND INSULATING UNITS.
Claims use since Apr. 2, 1941.

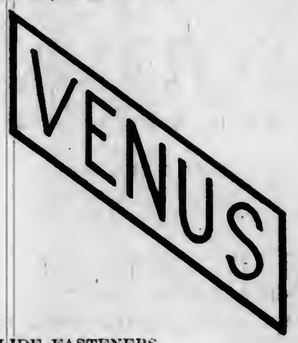
CLASS 13
HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 417,195. HENRY C. ABELL, Asbury Park, N. J. Filed Mar. 18, 1939.



No claim is made to the word "Lox" apart from the mark.
FOR LOCK NUTS USED FOR TIGHTENING DOWN BOLTED JOINTS.
Claims use since December, 1937.

Ser. No. 441,884. SUN IMPORT CO., INC., New York, N. Y. Filed Mar. 24, 1941.



FOR SLIDE FASTENERS.
Claims use since Mar. 3, 1941.

CLASS 14
METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 442,600. OHIO FERRO-ALLOYS CORPORATION, Philo, Ohio. Filed Apr. 15, 1941.

MANAL

FOR FERRO-ALUMINUM MANGANESE ALLOYS.
Claims use since Nov. 12, 1940.

CLASS 15
OILS AND GREASES

Ser. No. 442,198. LION OIL REFINING COMPANY, El Dorado, Ark. Filed Apr. 2, 1941.

C-I-A

FOR LUBRICATING OIL.
Claims use since Feb. 2, 1941.

CLASS 16
PAINTS AND PAINTERS' MATERIALS

Ser. No. 440,300. STEPHEN WOJNOWSKI, doing business as Rain-O-Shine Chemical Company, Highland Park, Mich. Filed Feb. 4, 1941.



FOR OIL PAINT.
Claims use since Jan. 1, 1941.

Ser. No. 442,064. GUARDSWELL PAINT MFG. CO., Des Moines, Iowa. Filed Mar. 29, 1941.

MINICOTE

FOR PAINT IN PASTE FORM.
Claims use since June 10, 1940.

CLASS 17
TOBACCO PRODUCTS

Ser. No. 441,724. CENTRAL TOBACCO COMPANY INC., New York, N. Y. Filed Mar. 20, 1941.



FOR CIGARETTES.
Claims use since Feb. 19, 1941.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 442,013. NEW HUDSON LIMITED, Birmingham, England. Filed Mar. 27, 1941.

GIRLING

FOR BRAKES AND PARTS THEREOF FOR MOTOR VEHICLES.
Claims use since November, 1933.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 438,535. FINDERS MANUFACTURING CO., Chicago, Ill. Filed Dec. 5, 1940.

Holliwood

FOR ELECTRIC TABLE BROILERS AND GRILLS.
Claims use since Nov. 12, 1940.

Ser. No. 439,601. LOUMAC MFG. CO. INC., New York, N. Y. Filed Jan. 11, 1941.

Loumalier

FOR ELECTRIC LIGHT FIXTURES.
Claims use since December, 1940.

Ser. No. 442,314. EDISON GENERAL ELECTRIC APPLIANCE COMPANY, INC., Chicago, Ill. Filed Apr. 5, 1941.

Hotpoint

FOR ELECTRIC DISHWASHERS.
Claims use since December, 1936.

Ser. No. 442,386. THE BLACK AND DECKER MANUFACTURING COMPANY, Towson, Md. Filed Apr. 8, 1941.

VACKAR

FOR ELECTRIC VACUUM CLEANERS.
Claims use since June 1, 1936.

Ser. No. 442,472. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Apr. 10, 1941.

DETECTOGRAPH

FOR RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF.
Claims use since Mar. 21, 1941.

Ser. No. 442,684. BABSON BROS. CO., Chicago, Ill. Filed Apr. 18, 1941.

FENCER

FOR APPARATUS AND EQUIPMENT FOR ENERGIZING A FENCE WIRE ELECTRICALLY.
Claims use since May 8, 1939.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 396,643. GÉRARD MADIEU, Monaco, Monaco. Filed Aug. 21, 1937.

TRIBOULET

FOR GAMES OF SKILL AND GAMES OF CHANCE PLAYED WITH MOVABLE PIECES, PUZZLE GAMES, GAMES OF CONSTRUCTION, ROULETTES, DOMINOS, PIG-TOPS, DICE, BILLIARDS, TRICKTRACK, BACKGAMMON, CHESS, DRAUGHTS, BOWLINGS, PLAYING CARDS OF THE CONVENTIONAL AND OTHER TYPES.
Claims use since June 5, 1937.

Ser. No. 442,547. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Apr. 14, 1941.

BOMBERS ALOFT

FOR BOARD GAME PLAYED WITH MOVABLE PLAYING PIECES.
Claims use since Mar. 1, 1941.

Ser. No. 442,548. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Apr. 14, 1941.

GO TO THE HEAD OF THE CLASS

FOR BOARD GAME PLAYED WITH MOVABLE PLAYING PIECES.
Claims use since Mar. 1, 1938.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 426,881. DEUTSCHE GOLD UND SILBER-SCHEIDEANSTALT VORMALS ROESSLER, Frankfort-on-the-Main, Germany. Filed Dec. 26, 1939.

Durubin

FOR CUTTING ELEMENTS FOR MACHINE TOOLS AND DRAWING BLOCKS, THREAD GUIDES AND NOZZLES FOR USE IN MANUFACTURING WIRE FORMS SUCH AS METAL FILAMENTS AND THE LIKE AND FOR COLD DRAWING OF METALS.
Claims use since Nov. 1, 1939.

Ser. No. 441,230. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn. Filed Mar. 5, 1941.

HARD-TUNG

The word "Hard" is disclaimed apart from the mark.
FOR HACK SAW BLADES.
Claims use since Jan. 30, 1941.

Ser. No. 441,417. SIMONDS MACHINE COMPANY, INC., Southbridge, Mass. Filed Mar. 10, 1941.

LENSMASTER

FOR OPHTHALMIC MACHINERY, COMPRISING LENS GRINDING MACHINES, LENS SURFACING MACHINES, LENS EDGING MACHINES AND PARTS THEREOF, AND ACCESSORIES THEREFOR.
Claims use since Feb. 26, 1941.

Ser. No. 441,807. THE CAPEWELL MANUFACTURING COMPANY, Hartford, Conn. Filed Mar. 22, 1941.

WORLD WIDE

FOR HACK SAW BLADES.
Claims use since Feb. 28, 1941.

Ser. No. 442,406. B. F. AVERY & SONS COMPANY, Louisville, Ky. Filed Apr. 9, 1941.

AVERY

FOR BINDERS, CULTIVATORS, FERTILIZER DISTRIBUTORS, HARROWS, HAYLOADERS, KNIFE GRINDERS, LAND ROLLERS, LIME SOWERS, LISTERS, MANURE SPREADERS, MIDDLEBURSTERS, MOWERS, PLANTERS, PLOWS, PULVERIZERS, RAKES, SEEDERS, STALK CUTTERS, TRACTORS, AND WEEDERS, AND SEPARATE PARTS FOR EACH OF SAID MACHINES.
Claims use since Dec. 23, 1932.

Ser. No. 442,465. SANTIAM MFG. COMPANY, Salem, Oreg. Filed Apr. 10, 1941.

Walif

FOR WAFFLE LIFTER.
Claims use since Dec. 15, 1940.

Ser. No. 442,605. HERMAN SCHAFRAM, doing business as Cosmopolitan Watch Material Importing Co., New York, N. Y. Filed Apr. 15, 1941.

COSCO

FOR JEWELERS' INSTRUMENTS — NAMELY, TWEEZERS.
Claims use since Oct. 10, 1938.

Ser. No. 442,616. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo. Filed Apr. 15, 1941.

RE·NU

FOR FILTERING UNIT OR CARTRIDGE FOR AUTOMOBILES OR OTHER INTERNAL COMBUSTION ENGINES.
Claims use since Feb. 22, 1941.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 442,313. EDISON GENERAL ELECTRIC APPLIANCE COMPANY, INC., Chicago, Ill. Filed Apr. 5, 1941.

Hotpoint

FOR LAUNDRY WASHING MACHINES, IRONING MACHINES, AND DRYERS.
Claims use on laundry washing machines, since January, 1937; laundry ironing machines, since April, 1938; and laundry dryers, since September, 1939.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 440,502. GEVAERT PHOTO-PRODUCTEN, NAAMLOOZE VENNOOTSCHAP (-PHOTO-PRODUITS GEVAERT, SOCIÉTÉ ANONYME), Cude-God, near Antwerp, Belgium. Filed Feb. 10, 1941.

AEROLITE

FOR SENSITIZED PHOTOGRAPHIC PAPERS, PLATES, FILMS, ROLLFILMS, PORTRAITFILMS, STUDIO FILMS, PLAN FILMS, PACKFILMS, RADIOFILMS, CINEMATOGRAPHIC FILMS, CAMERAS AND PARTS THEREOF, DEVELOPING APPARATUS, CINEMATOGRAPHIC CAMERAS AND PROJECTORS.
Claims use since Mar. 19, 1940.

Ser. No. 442,261. GOLDBERG BROTHERS, Denver, Colo. Filed Apr. 4, 1941.

FLEX

FOR MOVING PICTURE REELS.
Claims use since July 1, 1940.

Ser. No. 442,545. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y. Filed Apr. 14, 1941.

BALCREST

FOR OPHTHALMIC MOUNTINGS.
Claims use since March, 1941.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 442,172. INVICTA-SEELAND, INCORPORATED, New York, N. Y. Filed Apr. 1, 1941.

MULTIMATIC

FOR WATCHES, WATCH CASES, WATCH PARTS, WATCH MOVEMENTS, WATCH BRACELETS SOLD AS A UNIT WITH THE WATCH.
Claims use since Mar. 26, 1940.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 436,830. AMERICAN AIR FILTER COMPANY, INC., Louisville, Ky. Filed Oct. 11, 1940.

AAF

FOR FILTERS FOR COMPRESSED AIR PIPE LINES.
Claims use since Sept. 16, 1940.

Ser. No. 439,824. MODERN PRODUCTS, INC., New York, N. Y. Filed Jan. 21, 1941.

FROSTMASTER

FOR AUTOMATIC ELECTRIC REFRIGERATOR DEFROSTER.
Claims use since Jan. 10, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 430,428. KAPLAN FURNITURE COMPANY, Cambridge, Mass. Filed Apr. 6, 1940.

REGENT'S PARK

FOR BEDROOM FURNITURE, DINING ROOM FURNITURE, LIVING ROOM FURNITURE, OCCASIONAL TABLES AND CHAIRS, DESKS, CHAIRS, SOFAS, AND UPHOLSTERED FURNITURE GENERALLY.
Claims use since Mar. 13, 1940.

Ser. No. 440,499. DIXIE BEDDING COMPANY, INC., Greensboro, N. C. Filed Feb. 10, 1941.

O'Henrydown

FOR MATTRESSES, STUDIO COUCHES, AND UPHOLSTERED FURNITURE.
Claims use since Feb. 15, 1928.

Ser. No. 443,089. NACHMAN SPRINGFILLED CORPORATION, Chicago, Ill. Filed Apr. 29, 1941.

D-H-A

FOR SPRING-FILLED UNITS FOR MATTRESSES AND UPHOLSTERY UNITS.
Claims use since Apr. 15, 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 442,815. WILLIAM R. C. WINDSOR, doing business as Arcy Mfg. Co., New York, N. Y. Filed Apr. 21, 1941.

ARC SUPERPAX

FOR ASBESTOS PACKING FOR STUFFING BOXES.
Claims use since Mar. 8, 1934.

Ser. No. 443,134. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Filed Apr. 30, 1941.

CARBALLOY

FOR RUBBER AND RUBBER CONTAINING PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.
Claims use since Apr. 16, 1941.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 440,076. UNITED MUSIC COMPANY, INC., New York, N. Y. Filed Jan. 28, 1941.

Philharmonic

FOR MUSICAL INSTRUMENTS, SUPPLIES, AND ACCESSORIES—SUCH AS, STRING INSTRUMENTS, AS ZITHERS, AUTO-HARPS, VIOLAS, CELLOS, BASSES, GUITARS, HARPS, MANDOLINS, UKULELES, AND SUPPLIES AND ACCESSORIES USED FOR SAME SUCH AS STRINGS, BRIDGES, GUARDS, TUNERS, PICKS, TAILPIECES, PEGS, STEELS, MUTES, NUTS, BOWS, CHINRESTS, AND BOW HAIR. REED INSTRUMENTS, SUCH AS SAXOPHONES, CLARINETS, OBOES, BASSOONS, ACCORDIONS, ORGANS, AND HARMONICAS. WIND INSTRUMENTS SUCH AS FRENCH HORNS, MELLOPHONES, BARITONES, SOUSAPHONES, ALTOS, PICCOLOS, BUGLES, OCARINAS, TRUMPETS, CORNETS, TROMBONES, AND FLUTES. MUSICAL INSTRUMENT MOUTHPIECES AND REEDS AND ALL OTHER WIND INSTRUMENT ACCESSORIES. PERCUSSION INSTRUMENTS SUCH AS DRUMS, DRUMHEADS, CYMBALS, STICKS, DRUM SLINGS, VIBRAPHONES, XYLOPHONES, MARIMBAS, PIANOS, JAW HARPS AND BATONS, AND OTHER MUSICAL INSTRUMENT BAGS, COVERS, AND CASES, MUSIC STANDS AND BAGS AND CASES FOR MUSIC STANDS.
Claims use since Nov. 15, 1940.

Ser. No. 442,318. THEODORE R. GILLENWATERS, Los Angeles, Calif. Filed Apr. 5, 1941.

CGS

FOR PHONOGRAPHS.
Claims use since Feb. 15, 1941.

Ser. No. 442,473. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Apr. 10, 1941.

DETECTOGRAPH

FOR SOUND RECORD MAKING AND PLAYING TALKING MACHINES, AND SOUND RECORDS AND BLANKS THEREFOR MADE OF MATERIAL SUSCEPTIBLE TO SOUND TRACK CUTTING OR IMPRESSING.
Claims use since Mar. 21, 1941.

Ser. No. 442,475. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Apr. 10, 1941.

Eff Emm

FOR SOUND RECORD MAKING AND PLAYING TALKING MACHINES, AND SOUND RECORDS AND BLANKS THEREFOR MADE OF MATERIAL SUSCEPTIBLE TO SOUND TRACK CUTTING OR IMPRESSING.
Claims use since Apr. 2, 1941.

Ser. No. 442,715. MARIO MACCAFERRI, New York, N. Y. Filed Apr. 18, 1941.

"MIRACLE"

FOR REEDS AND MOUTHPIECES FOR MUSICAL INSTRUMENTS.
Claims use since Mar. 28, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 431,311. CHARLES P. LAWRENCE, Wethersfield, Conn. Filed Apr. 27, 1940.

Rhythm Riter

FOR WRITING INSTRUCTION DEVICES IN THE NATURE OF A METAL OR OTHER ATTACHMENT FOR USE ON PENCILS OR PENS, THROUGH WHICH THE FINGER MAY BE INSERTED DURING WRITING.
Claims use since Apr. 24, 1940.

Ser. No. 442,166. GOLDSMITH BROS., New York, N. Y. Filed Apr. 1, 1941.

Markrite

FOR MERCHANDISE TAGS.
Claims use since July 5, 1940.

Ser. No. 442,168. GOLDSMITH BROS., New York, N. Y. Filed Apr. 1, 1941.

Shiprite

FOR SHIPPING TAGS.
Claims use since Oct. 19, 1939.

Ser. No. 442,202. NEKOOSA-EDWARDS PAPER COMPANY, Port Edwards, Wis. Filed Apr. 2, 1941.

KING SNOW

FOR WRAPPING PAPER.
Claims use since January, 1932.

Ser. No. 442,385. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J. Filed Apr. 8, 1941.

AUTOSET

FOR CONTINUOUS WRITING SHEETS INTERLEAVED WITH CARBON SHEETS FOR USE IN MANIFOLDING REGISTERS, IN TYPEWRITERS, AND IN OTHER MACHINES.
Claims use since Mar. 15, 1941.

Ser. No. 442,522. DITTO, INCORPORATED, Chicago, Ill. Filed Apr. 12, 1941.

DITT-RUN

FOR PAPER.
Claims use since Mar. 21, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 439,443. THE LOWE BROTHERS COMPANY, Dayton, Ohio. Filed Jan. 6, 1941.

STYLIZER

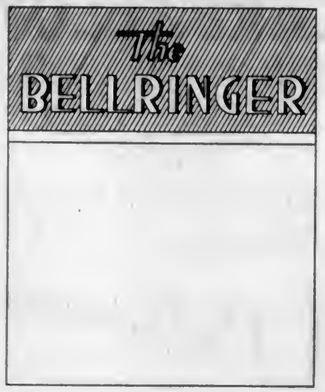
FOR COLOR CHART DIRECTORY, PUBLISHED FROM TIME TO TIME
Claims use since Oct. 4, 1940.

Ser. No. 439,781. CHARLES E. RUBINO, Chicago, Ill. Filed Jan. 18, 1941.



FOR FEATURE IN THE NATURE OF A PUZZLE PUBLISHED IN A CONTINUING SERIES IN A PERIODICAL PUBLICATION.
Claims use since Jan. 10, 1941.

Ser. No. 441,079. BELL AIRCRAFT CORPORATION, Buffalo, N. Y. Filed Feb. 28, 1941.



Applicant disclaims the diagrammatic representation of the magazine format apart from the mark. The drawing is lined for shading.
FOR MONTHLY PUBLICATIONS.
Claims use since Dec. 2, 1940.

Ser. No. 441,796. U. S. WEEK INC., Milwaukee, Wis. Filed Mar. 21, 1941.

US Week

The letters "U. S." are disclaimed apart from the mark.
FOR WEEKLY NEWS MAGAZINE.
Claims use since Mar. 12, 1941.

CLASS 39

CLOTHING

Ser. No. 425,031. SNUG-FIT FOUNDATIONS INC., New York, N. Y. Filed Oct. 31, 1939.



Applicant disclaims the word "Bra" apart from the mark.
FOR BRASSIÈRES, BANDEAUX, AND FOUNDATION GARMENTS.
Claims use since Sept. 1, 1939.

Ser. No. 435,954. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Sept. 13, 1940.

Loomcraft
STYLED LOVELINESS

The words "Styled Loveliness" are disclaimed apart from the mark.
FOR NURSES', BEAUTICIANS', WAITRESSES', MAIDS', INSTITUTIONAL, INDUSTRIAL, AND UTILITY WORKERS' UNIFORMS, AND FOR PRINCESS SLIPS, CHEMISES, BLOOMERS, AND STEP-INS.
Claims use since June 1, 1939.

Ser. No. 436,008. FARR BROS. CO. INC., Allentown, Bethlehem, Easton, and Reading, Pa. Filed Sept. 16, 1940.
No claim is made to the legend "Room to Grow from Heel to Toe" apart from the mark.



FOR BOYS', GIRLS', MISSES', CHILDREN'S, AND INFANTS' SHOES MADE OF LEATHER, RUBBER, AND FABRIC, AND/OR COMBINATIONS OF SAID MATERIALS.
Claims use since Aug. 1, 1940.

Ser. No. 439,667. ELIAS SAYOUR CO. INC., New York, N. Y. Filed Jan. 14, 1941.

Coffee Coat

No claim is made to the word "Coat" per se as a technical trade-mark, apart from the mark.
FOR LADIES' AND MISSES' HOUSECOATS.
Claims use since Jan. 10, 1941.

Ser. No. 440,249. HURDUS, ACKER AND HIRSCH, New York, N. Y. Filed Feb. 3, 1941.

Style-Rite

No claim is made to the word "Style" apart from the mark.
FOR LADIES' POCKET HANDKERCHIEFS.
Claims use since Dec. 16, 1940.

Ser. No. 441,087. DRESSAVER COMPANY, INC., Brooklyn, N. Y. Filed Feb. 28, 1941.

Quiltie

FOR MEN'S, WOMEN'S, AND CHILDREN'S COATS, JACKETS, AND VESTS; MEN'S, WOMEN'S, AND CHILDREN'S SKI-SUITS; WOMEN'S AND CHILDREN'S SLEEPING SUITS, PAJAMAS, BOOTIES AND HOODS; WOMEN'S HOUSECOATS, LOUNGING ROBES, AND BED JACKETS; LEGGINGS, ANKLETS, EAR MUFFS, MITTENS, BED SOCKS, BACK-WARMERS, SMOKING JACKETS, AND SCARVES.
Claims use since Aug. 1, 1934.

Ser. No. 441,376. ELSA SCHIAPARELLI, INC., New York, N. Y. Filed Mar. 8, 1941.



Gogo Schiaparelli

The name "Gogo Schiaparelli" is the facsimile signature of the secretary of applicant corporation. The picture of a girl is fanciful.
FOR WOMEN'S AND MISSES' DRESSES, GOWNS, DRESSING GOWNS, COATS, CAPES, SCARFS, HATS, BRASSIÈRES, KNICKERS, PANTIES, SLIPS, CHEMISES, GLOVES OF LEATHER OR FABRIC.
Claims use since Dec. 2, 1940.

Ser. No. 441,415. SCHAEFFER GARMENT CO., Cincinnati, Ohio. Filed Mar. 10, 1941.



FOR CHILDREN'S AND LITTLE MISSES' COATS, SUITS, AND DRESSES.
Claims use since Aug. 1, 1939.

Ser. No. 441,515. THE JACK LISS CORPORATION, New York, N. Y. Filed Mar. 13, 1941.

Lisscraft

FOR SPORTSWEAR—NAMELY, GOWNS, FROCKS, DRESSES, SUITS, SKIRTS, JACKETS, BLOUSES,

SLACKS, TROUSERS, SKI SUITS, AND SWEATERS FOR WOMEN AND MISSES.
Claims use since Jan. 1, 1941.

Ser. No. 441,676. LORRAINE MFG. CO., New York, N. Y. Filed Mar. 18, 1941.

Toddling Baby Wear

No claim is made to the words "Baby Wear" apart from the mark.
FOR INFANTS' WEAR—NAMELY, BLANKETS IN THE NATURE OF GARMENTS, BUNTINGS, AND BATHROBES.
Claims use since 1935.

Ser. No. 441,871. KINGSTON CLOTHING CO., Boston, Mass. Filed Mar. 24, 1941.

KAMASHAH

FOR MEN'S OVERCOATS AND TOP COATS.
Claims use since Apr. 1, 1940.

Ser. No. 441,904. EXCELLED SHEEPSKIN & LEATHER COAT CO. INC., New York, N. Y. Filed Mar. 25, 1941.

FOUR STAR
LEATHER SPORTSWEAR

The words "Leather Sportswear" are disclaimed apart from the mark.
FOR LEATHER COATS, LEATHER JACKETS, SUEDE JACKETS, SUEDE COATS, AND SHEEPSKIN COATS AND JACKETS FOR MEN, WOMEN, BOYS, AND GIRLS.
Claims use since Feb. 15, 1941.

Ser. No. 441,942. BOSTON KNITTING MILLS, INC., Newton, Mass. Filed Mar. 26, 1941.

SKI-JAMAS

The word "Ski" is disclaimed apart from the mark.
FOR ALL TYPES OF PAJAMAS WITH OR WITHOUT FEET, FOR INFANTS, CHILDREN, AND ADULTS.
Claims use since 1935.

Ser. No. 441,956. FOX MANUFACTURING CO., INC., New York, N. Y. Filed Mar. 26, 1941.

BODY FRIEND
B.F.U.

FOR MEN'S AND BOYS' UNDERWEAR.
Claims use since June 15, 1940.

Ser. No. 441,958. S. GOLDBERG & CO. INC., Hackensack, N. J. Filed Mar. 26, 1941.



Applicant disclaims the word "Slippers."
FOR BOOTS AND SHOES OF LEATHER, FABRIC, OR RUBBER, OR OF COMBINATIONS OF SAID MATERIALS.
Claims use since Jan. 15, 1941.

Ser. No. 442,011. R. H. MACY & CO., INC., New York, N. Y. Filed Mar. 27, 1941.

MACY'S CLUB
CHAMPION

Applicant is the owner of registration number 78,333 (renewed) registered June 7, 1910, under the 10-year proviso clause of the 1905 act.
FOR WOMEN'S AND MISSES' DRESSES.
Claims use since Mar. 13, 1941.

Ser. No. 442,078. JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed Mar. 29, 1941.

STETSON TRIANGLE

Applicant is owner of Trade-Mark Registration No. 51,990 (renewed) for the word "Stetson" effected under the 10-year proviso.
FOR HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Mar. 27, 1941.

Ser. No. 442,007. BELMAR FASHIONS, INC., New York, N. Y. Filed Mar. 31, 1941.

BB
Bonnie Burke
TAILORED CLASSICS

The words "Tailored Classics" are disclaimed apart from the mark.
FOR LADIES' AND MISSES' DRESSES.
Claims use since Mar. 7, 1941.

Ser. No. 442,150. VANITY FAIR SILK MILLS, Reading, Pa. Filed Mar. 31, 1941.

DULCETTE

FOR MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR, AND MEN'S, WOMEN'S, AND CHILDREN'S SLEEPING GARMENTS—NAMELY, NIGHTGOWNS, PAJAMAS, BED JACKETS, AND NIGHTCAPS; HOSIERY AND HOUSECOATS, BATHROBES AND NEGLIGEES.
Claims use since Mar. 4, 1941.

Ser. No. 442,269. MCCURRACH ORGANIZATION INCORPORATED, New York, N. Y. Filed Apr. 4, 1941.

(Golden Shuttle)

FOR MEN'S NECKTIES AND MUFFLERS.
Claims use since Mar. 29, 1941.

Ser. No. 442,525. DAVID FRIEDMAN, INC., New York, N. Y. Filed Apr. 12, 1941.

Hostette

FOR HOUSECOATS, PYJAMAS, AND NEGLIGEES FOR LADIES AND MISSES.
Claims use since Mar. 22, 1941.

Ser. No. 442,664. LEVIN & CO., New York, N. Y. Filed Apr. 17, 1941.

Playafore

FOR LADIES' AND GIRLS' APRONS, SMOCKS, HOUSECOATS, PLAYSUITS, AND DRESSES.
Claims use since May 25, 1940.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 433,037. 3 BEALL BROTHERS 3, Jacksonville, Tex. Filed June 14, 1940.



Applicant disclaims the words "Sheets & Pillow Cases" apart from the mark. The representation of the label per se is disclaimed.
FOR SHEETS, SHEETING, AND PILLOW CASES.
Claims use since July 1, 1929.

Ser. No. 436,540. BOSTON LEATHER SPECIALTIES INC., Everett, Mass. Filed Oct. 1, 1940.

"Absorbtex"

FOR CRIB SHEETS.
Claims use since June 15, 1940.

Ser. No. 442,692. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Apr. 18, 1941. Under the act of Feb. 20, 1905, as amended June 10, 1938.

Teca

FOR PIECE GOODS CONTAINING CELLULOSE ACETATE RAYON.
Claims use since Aug. 14, 1938.

Ser. No. 442,819. AMSTERDAM TEXTILES, Amsterdam, N. Y. Filed Apr. 22, 1941.

HEARTHTONE
RUGS

Applicant disclaims the word "Rugs" apart from the mark.
FOR RUGS.
Claims use since June 5, 1939.

Ser. No. 442,820. AMSTERDAM TEXTILES, Amsterdam, N. Y. Filed Apr. 22, 1941.

RIPPLETONE
RUGS

Applicant disclaims the word "Rugs" apart from the mark.
FOR RUGS.
Claims use since Jan. 6, 1941.

Ser No. 442,953. FORSTMANN WOOLEN CO., Passaic, N. J. Filed Apr. 25, 1941.

Velgazzah

FOR WOOLEN PIECE GOODS.
Claims use since Apr. 15, 1941.

Ser. No. 442,980. CHARLES SCHWARTZ & Co., Chicago, Ill., Filed Apr. 25, 1941.

"Your Kitchen Pal"

FOR TOWELS.
Claims use since Apr. 1, 1939.

CLASS 43

THREAD AND YARN

Ser. No. 442,120. FRASER MANUFACTURING CO. INC., New York, N. Y. Filed Mar. 31, 1941.

Rayarn

FOR CROCHET AND KNITTING YARN.
Claims use since Feb. 28, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 437,393. WESTINGHOUSE X-RAY COMPANY, INC., Long Island City, N. Y., assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania. Filed Oct. 29, 1940.

STRATAGRAPH

FOR APPARATUS EMPLOYED FOR THE PURPOSE OF MAKING RADIOGRAPHIC AND FLUOROSCOPIC DIAGNOSTIC EXAMINATIONS.
Claims use since Mar. 22, 1940.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 433,993. SEMINOLE FLAVOR COMPANY, Chattanooga, Tenn. Filed July 15, 1940. Under act of Feb. 20, 1905, as amended June 10, 1938.



No claim is made to the words "A Great Drink" and "A Mighty Flavor" except in the association shown.
FOR CARBONATED, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND FLAVORING THEREFOR.
Claims use since Jan. 4, 1937.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 421,810. NASHUA BAKING CO., INC., Nashua, N. H. Filed July 21, 1939.

Richtex

FOR BREAD, CAKE, DOUGHNUTS.
Claims use since May 23, 1939.

Ser. No. 431,326. RECORD SUPPLY CORPORATION, Chicago, Ill. Filed Apr. 27, 1940.

NU CREST

FOR CANNED VEGETABLES, CANNED FRUITS, CANNED SOUPS, CANNED EVAPORATED MILK, CANNED POTTED MEAT PRODUCTS, CANNED TOMATO JUICE, TOMATO PUREE, SPAGHETTI, WAFFLE FLOUR, CANNED PUMPKIN, CANNED SAUER KRAUT, CANNED HOMINY, CANNED BEANS AND PORK, AND CANNED CHILI CON CARNE WITH BEANS.
Claims use since Oct. 1, 1937.

Ser. No. 436,869. THAD HUCKABEE, Albany, Ga. Filed Oct. 11, 1940.



The drawing is lined for red.
FOR PECAN NUTS IN THE SHELL, SHELLED PECANS, AND PECAN MEATS.
Claims use since Oct. 1, 1936.

Ser. No. 437,588. WESTGATE SEA PRODUCTS CO., San Diego, Calif. Filed Nov. 4, 1940.





No claim is made to the representation of the fish apart from the mark.
FOR CANNED FISH.
Claims use since Oct. 18, 1924.

Ser. No. 438,645. BORDO PRODUCTS CO., Chicago, Ill. Filed Dec. 9, 1940.

Itsa-Date

No claim is made to the word "Date" apart from the mark.
FOR CANDY BARS MADE FROM SYRUPED PITTED DATES ROLLED IN COCOANUT.
Claims use since Nov. 26, 1940.

Ser. No. 439,158. FAMOUS FOODS, INC., Detroit, Mich. Filed Dec. 24, 1940.

VIT-A-CHIP

Applicant disclaims the term "Chip" apart from the mark.
FOR POTATO CHIPS.
Claims use since Nov. 20, 1940.

Ser. No. 440,011. WILLIAM C. LUBAN, doing business as The Luban Co., Tampa, Fla. Filed Jan. 27, 1941.



The words "Tampa, Fla.," "The Luban Co.," "Patent Process," and "Brand" are disclaimed apart from the mark.
FOR ORANGE PEEL AND GRAPEFRUIT PEEL.
Claims use since Dec. 2, 1940.

Ser. No. 440,472. GUS SCLAFANI, Stamford, Conn. Filed Feb. 8, 1941.

PEPI-CANTI

FOR CANNED FRUITS AND CANNED VEGETABLES, CANNED FISH, EDIBLE OILS, ALIMENTARY PASTE PRODUCTS, HORSERADISH, MUSTARD, CHILI SAUCE, CATSUP, FARINA, HOMINY GRITS, ROLLED OATS, AND CORN FLAKES.
Claims use since Jan. 2, 1941.

Ser. No. 441,651. VENTURA COASTAL LEMON COMPANY, Ventura, Calif. Filed Mar. 17, 1941.

COASTAL

FOR LEMONS.
Claims use since Feb. 20, 1941.

Ser. No. 441,652. VENTURA COASTAL LEMON COMPANY, Ventura, Calif. Filed Mar. 17, 1941.

SEA MIST

FOR LEMONS.
Claims use since Feb. 20, 1941.

Ser. No. 441,684. OLMITO PACKING COMPANY, Brownsville, Tex. Filed Mar. 18, 1941.

DEL VALLE

FOR CANNED FRUITS, CANNED VEGETABLES, CANNED TOMATO CATSUP, CANNED SAUERKRAUT, AND COFFEE.
Claims use since 1930.

Ser. No. 441,749. RYSER BROS., Chicago, Ill. Filed Mar. 20, 1941.

Exquiselle

FOR CHEESE.
Claims use since Mar. 5, 1941.

Ser. No. 441,957. GASTON CANNING CO., INC., Gaston, Ind. Filed Mar. 26, 1941.

SUMMER SUN

FOR CANNED VEGETABLES.
Claims use since Mar. 22, 1941.

Ser. No. 441,979. SAN FERNANDO CITRUS ASSOCIATION, San Fernando, Calif. Filed Mar. 26, 1941.

TOP LUCK

FOR FRESH CITRUS FRUIT.
Claims use since Mar. 12, 1941.

Ser. No. 442,038. L. S. HEATH & SONS, Robinson, Ill. Filed Mar. 28, 1941.

HEATH

FOR DAIRY PRODUCTS—NAMELY, PASTEURIZED MILK HOMOGENIZED PASTEURIZED MILK, BUTTERMILK, COFFEE CREAM, AND WHIPPING CREAM.
Claims use since Jan. 1, 1936.

Ser. No. 442,290. ELLA M. STRAUCH, Denver, Colo. Filed Apr. 4, 1941.

WHEYONNAISE

FOR NONFATTENING SALAD DRESSING.
Claims use since Mar. 3, 1941.

Ser. No. 442,535. MELETIO SEA FOOD CO., St. Louis, Mo. Filed Apr. 12. 1941.

GOLDEN DIPT

FOR FOOD PREPARATION, FOR READY MIXED BREADING FOR PAN FRYING.
Claims use since May 17, 1939.

Ser. No. 442,558. THE KERR ICE CREAM COMPANY, Cincinnati, Ohio. Filed Apr. 14, 1941.

Romance

FOR ICE CREAM.
Claims use since Mar. 1, 1940.

CLASS 47

WINES

Ser. No. 439,782. SOUTHLAND WINE CORPORATION, Richmond, Va. Filed Jan. 18, 1941.

APPLE GLOW

The word "Apple" is disclaimed apart from the mark.
FOR WINES
Claims use since Dec. 16, 1940.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 437,574. VICTOR M. RAMIREZ, doing business as V. M. Ramirez y Cia, Mayaguez, P. R. Filed Nov. 4, 1940.

E. DELATOUR 1895
APP SON
QUALITE SUPERIEURE
LIQUEUR AHENHO
120 PROOF
4/5 QUART
PRODUCED AND BOTTLED ACCORDING TO THE FORMULA OF
E. DELATOUR & Cie OF BORDEAUX, FRANCE
BY
DISTILLERIES V. M. RAMIREZ Y Cia
MAYAGUEZ, P. R.

No claim is made to the representation of the label per se nor to the notations "Qualite Superieure," "Liqueur," "120 Proof," "4/5 Quart," and "Produced and Bottled According to the Formula of," "Mayaguez, P. R.," and "Bordeaux, France."
FOR DISTILLED ALCOHOLIC LIQUEUR.
Claims use since Jan. 1, 1935.

Ser. No. 441,132 GORDON O'NEILL CO., INC., Jersey City, N. J. Filed Mar. 1, 1941.

CHAMPLAIN



4/5 QUART 84 PROOF
Gordon-O'Neill Co. Inc.
JERSEY CITY, N. J.

Applicant disclaims all notations except "Champlain" and applicant's name and disclaims the representation of a label per se.
FOR BRANDY.
Claims use since Dec. 31, 1940.

Ser. No. 441,946. CENTURY DISTILLING COMPANY, Peoria, Ill. Filed Mar. 26, 1941.



FOR WHISKEY.
Claims use since Apr. 23, 1934.

Ser. No. 443,073 DISTILLED LIQUORS CORPORATION, New York, N. Y. Filed Apr. 29, 1941.

BUVARO

FOR WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS.
Claims use since Aug. 7, 1940.

Ser. No. 443,160. G. F. HEUBLEIN & BRO., Hartford, Conn. Filed May 1, 1941.

Huguenot

FOR BRANDY.
Claims use since Apr. 28, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 441,150. ANDERSON BOX COMPANY, Indianapolis, Ind. Filed Mar. 3, 1941.

Anderson's E-CON-O ELECTRIC BROODER

The words "Electric Brooder" are disclaimed apart from the mark.
FOR ELECTRIC BROODERS.
Claims use since Aug. 1, 1939.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 10, 1941

387,927. ELECTRIC SHAVING MACHINES AND SHAVING HEADS FOR SHAVING MACHINES. Schick Dry Shaver, Inc., Stamford, Conn.
Filed November 23, 1938. Serial No. 413,082. PUBLISHED APRIL 1, 1941. Class 23.

387,928. TANNING EXTRACTS AND SUBSTANCES. Campos y Quebrachales Puerto Sastre S. A., Buenos Aires, Argentina.
Filed May 4, 1939. Serial No. 419,073. PUBLISHED OCTOBER 17, 1939. Class 6.

387,929. SLIPS, PETTICOATS, CAMISOLES, UNDERVESTS, UNDERSKIRTS, CORSETS, CHEMISES, HOSIERY, BRASSIÈRES, PANTIES, AND GARTER BELTS. Lord & Taylor, New York, N. Y.
Filed May 19, 1939. Serial No. 419,584. PUBLISHED MARCH 18, 1941. Class 39.

387,930. RADIO RECEIVING SETS. Western Tire Auto Stores, Chicago, Ill.
Filed June 5, 1939. Serial No. 420,195. PUBLISHED APRIL 1, 1941. Class 21.

387,931. MACHINE FOR SEPARATING GOLD PARTICLES FROM COMMINUTED MATERIAL BY USE OF A FORCEFUL CURRENT OF AIR. Otto C. Nolte, doing business as Dry Placer Machine Company, Deer Lodge, Mont.
Filed June 12, 1939. Serial No. 420,425. PUBLISHED APRIL 1, 1941. Class 23.

387,932. CELLOPHANE BAGS WHICH ARE SOLD IN TRADE EMPTY. Allied Paper Bag Corporation, Baltimore, Md.
Filed October 7, 1939. Serial No. 424,287. PUBLISHED APRIL 1, 1941. Class 2.

387,933. EAU DE COLOGNE. Pinaud Incorporated, New York, N. Y.
Filed November 7, 1939. Serial No. 425,364. PUBLISHED MARCH 25, 1941. Class 6.

387,934. EYE DROPS. Deary and Deary, Wallingford, Conn.
Filed November 27, 1939. Serial No. 425,988. PUBLISHED MARCH 25, 1941. Class 6.

387,935. CALENDARS. Brown & Bigelow, St. Paul, Minn.
Filed December 11, 1939. Serial No. 426,432. PUBLISHED MARCH 25, 1941. Class 38.

387,936. CITRUS PRODUCTS—NAMELY, CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES. J. C. Connell, doing business as Rio Grande Citrus Distributors, Alamo, Tex.
Filed December 12, 1939. Serial No. 426,482. PUBLISHED JULY 9, 1940. Class 46.

387,937. MUFFLERS, NOISE ELIMINATORS, AND DEVICES FOR CONTROLLING EXHAUST FOR INTERNAL COMBUSTION ENGINES AND LIKE EXPLOSIVE MACHINERY. Percy R. Finch, Chicago, Ill.
Filed January 6, 1940. Serial No. 427,198. PUBLISHED APRIL 1, 1941. Class 23.

387,938. WOMEN'S AND MISSES' BLOUSES, SWEATERS, DRESSES, COATS, SUITS, OUTER SKIRTS, SCARFS, ETC. Bonwit Teller, Inc., New York, N. Y.
Filed January 15, 1940. Serial No. 427,457. PUBLISHED MARCH 25, 1941. Class 39.

387,939. WOMEN'S AND MISSES' COATS, SUITS, DRESSES, BLOUSES, OUTER SKIRTS, HOSIERY, SHOES AND GLOVES MADE OF LEATHER AND FABRIC AND COMBINATIONS THEREOF; AND APPAREL BELTS. Colordination Group, Inc., New York, N. Y.
Filed January 16, 1940. Serial No. 427,497. PUBLISHED MARCH 25, 1941. Class 39.

387,940. WOMEN'S AND MISSES' COATS, SUITS, DRESSES, BLOUSES, OUTER SKIRTS, HATS, HOSIERY, AND APPAREL BELTS. Colordination Group, Inc., New York, N. Y.
Filed January 16, 1940. Serial No. 427,498. PUBLISHED MARCH 25, 1941. Class 39.

387,941. ASBESTOS PACKING, WITH OIL, RUBBER, OR COMBINATION IMPREGNATION; ASBESTOS SHEET GASKET MATERIAL; ASBESTOS GASKET TAPE FOR LOCOMOTIVE FRONT END PLATES; AND BRAKE LINING, WOVEN OR MOLDED. Union Asbestos & Rubber Company, Chicago, Ill.
Filed February 5, 1940. Serial No. 428,267. PUBLISHED APRIL 1, 1941. Class 35.

387,942. SILVER POLISH. Oneida Ltd., Oneida, N. Y.
Filed February 6, 1940. Serial No. 428,291. PUBLISHED APRIL 1, 1941. Class 4.

387,943. PREPARATION FOR USE AS A DIGESTANT AND ADJUVANT. Burrough Bros. Mfg. Company, Baltimore, Md., and Cleveland, Ohio.
Filed February 27, 1940. Serial No. 429,026. PUBLISHED MARCH 25, 1941. Class 6.

387,944. MEDICINAL MINERAL OIL, COD LIVER OIL, RUBBING ALCOHOL, RUBBING ALCOHOL COMPOUND, BAY RUM, ETC. Purex Products, Incorporated, Baltimore, Md.
Filed March 9, 1940. Serial No. 429,415. PUBLISHED JUNE 11, 1940. Class 6.

387,945. COAL TAR SOLVENTS, COAL-DERIVED OILS, COAL-DERIVED COATING SOLUTIONS, COAL-DERIVED RUBBER SOFTENERS, ETC. Pennsylvania Industrial Chemical Corporation, Clairton, Pa.
Filed March 23, 1940. Serial No. 429,914. PUBLISHED MARCH 25, 1941. Class 6.

387,946. LUBRICATING OILS. Union Petroleum Company, Lexington, Nebr.
Filed April 6, 1940. Serial No. 430,469. PUBLISHED OCTOBER 15, 1940. Class 15.

387,947. CAMERAS. Mimosa American Corporation, New York, N. Y.
Filed April 10, 1940. Serial No. 430,620. PUBLISHED APRIL 1, 1941. Class 26.

387,948. MEN'S AND BOYS' HATS AND CAPS. The La Salle Hat Company, Philadelphia, Pa.
Filed April 12, 1940. Serial No. 430,690. PUBLISHED JUNE 18, 1940. Class 39.

387,949. COSMETICS—NAMELY, FACE CREAMS, LOTIONS, ROUGE, AND LIPSTICK. H. M. Chemical Co., Ltd., Los Angeles, Calif.
Filed April 16, 1940. Serial No. 430,832. PUBLISHED APRIL 1, 1941. Class 6.

387,950. DISK SOUND RECORDS. Thomas J. Valentino, New York, N. Y.
Filed April 23, 1940. Serial No. 431,131. PUBLISHED APRIL 1, 1941. Class 36.

387,951. BOOKS. New City Printing Co., Union City, N. J.
Filed April 27, 1940. Serial No. 431,320. PUBLISHED MARCH 25, 1941. Class 38.

387,952. MEDICINAL PREPARATION IN THE FORM OF CANDY-LIKE BODIES CONTAINING SUGAR AND CONTAINING ASPIRIN (ACETYL SALICYLIC ACID). William B. Coleman, Bloomfield, N. J.; Laura W. Coleman administratrix of said William B. Coleman, deceased.
Filed May 16, 1940. Serial No. 431,992. PUBLISHED APRIL 1, 1941. Class 6.

387,953. ICING FOR CAKES AND COOKIES. Basic Foods Sales Corp., Jersey City, N. J.
Filed May 24, 1940. Serial No. 432,293. PUBLISHED APRIL 1, 1941. Class 46.

387,954. INSECTICIDE. O-Cedar Corp'n, Chicago, Ill.
Filed May 31, 1940. Serial No. 432,545. PUBLISHED APRIL 1, 1941. Class 6.

387,955. TYPEWRITING MACHINES AND PARTS OF THE SAME. E. Paillard & Cie., Societe Anonyme, Yverdon, Switzerland.
Filed June 5, 1940. Serial No. 432,694. PUBLISHED APRIL 1, 1941. Class 23.

387,956. BELT BUCKLES, COMPACTS, DOOR KNOCKERS, DOOR PLATES, MESH BAGS, AND WATCH CHAIN KEYS, ALL MADE WHOLLY OR PARTLY OF PRECIOUS METAL, ETC. Sigma Phi Epsilon Fraternity, Richmond, Va.
Filed June 13, 1940. Serial No. 432,989. PUBLISHED MARCH 25, 1941. Class 28.

387,957. CHOCOLATES AND CANDIES. Plantation Chocolate Company, Philadelphia, Pa.
Filed June 17, 1940. Serial No. 433,109. PUBLISHED OCTOBER 15, 1940. Class 46.

387,958. RUBBER SOLED SHOES AND MOCCASINS. Philco Shoe Corporation, Bangor and Old Town, Maine.
Filed June 20, 1940. Serial No. 433,226. PUBLISHED MARCH 25, 1941. Class 39.

387,959. ALCOHOLIC BITTERS. Kraus Bros & Co., Inc., New York, N. Y.
Filed June 21, 1940. Serial No. 433,253. PUBLISHED APRIL 1, 1941. Class 49.

387,960. COOKING UTENSILS COMPOSED OF ALUMINUM ALLOY—TO WIT, SAUCE PANS, PANCAKE GRIDDLES, DUTCH OVENS, PRESERVING KETTLES, FRENCH ROASTERS, TEA KETTLES, DRIP COFFEE MAKERS, AND OMELET PANS. Advance Aluminum Castings Corp., Chicago, Ill.
Filed June 28, 1940. Serial No. 433,467. PUBLISHED APRIL 1, 1941. Class 13.

387,961. CANNED FRUITS, CANNED VEGETABLES, CANNED FRUIT AND VEGETABLE JUICES FOR FOOD PURPOSES, CANNED TOMATO SAUCE, CANNED FRUITS FOR SALAD AND CANNED FRUIT COCKTAIL. Filice and Perrelli Canning Company, Incorporated, Richmond, Calif.
Filed July 1, 1940. Serial No. 433,561. PUBLISHED APRIL 1, 1941. Class 46.

387,962. WIRE STITCHING MACHINES. Acme Steel Company, Chicago, Ill.
Filed July 11, 1940. Serial No. 433,846. PUBLISHED APRIL 1, 1941. Class 23.

387,963. WOMEN'S SHOES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. Milius Shoe Company, St. Louis, Mo.
Filed July 20, 1940. Serial No. 434,184. PUBLISHED SEPTEMBER 17, 1940. Class 39.

387,964. RUBBER COMBS. S & G Rubber Company, Inc., New York, N. Y.
Filed July 24, 1940. Serial No. 434,293. PUBLISHED APRIL 1, 1941. Class 40.

387,965. SPICES, HERBS FOR CULINARY PURPOSES, WINE VINEGAR WITH HERB BOUQUET, HERBED GRAPE CATSUP, ETC. Marcia Garrick, New City, N. Y.
Filed August 1, 1940. Serial No. 434,560. PUBLISHED APRIL 1, 1941. Class 46.

387,966. PRETZELS. Perfect Foods, Inc., Lansdale, Pa.
Filed August 9, 1940. Serial No. 434,806. PUBLISHED OCTOBER 29, 1940. Class 46.

387,967. HYDROGEN PEROXIDE SOLD IN BULK TO INDUSTRIAL USERS. Pennsylvania Salt Manufacturing Co., Philadelphia, Pa.
Filed August 14, 1940. Serial No. 434,996. PUBLISHED OCTOBER 1, 1940. Class 6.

387,968. HYDROGEN PEROXIDE SOLD IN BULK TO INDUSTRIAL USERS. Pennsylvania Salt Manufacturing Co., Philadelphia, Pa.
Filed August 14, 1940. Serial No. 434,997. PUBLISHED OCTOBER 1, 1940. Class 6.

387,969. MEDICINE FOR RHEUMATISM, LIVER COMPLAINT, INDIGESTION, STOMACH TROUBLE, AND NERVOUS AFFECTIONS. David G. Miller, Kansas City, Mo.
Filed August 28, 1940. Serial No. 435,468. PUBLISHED APRIL 1, 1941. Class 6.

387,970. RECEPTACLES—NAMELY, CONTAINERS FOR FOOD OR OTHER SUBSTANCES, OF METAL OR PAPER OR FIBER OR OF A COMBINATION THEREOF. Hotcan Corporation, Los Angeles, Calif.
Filed September 3, 1940. Serial No. 435,617. PUBLISHED APRIL 1, 1941. Class 2.

387,971. LAXATIVE. Mary Lois Cash, doing business as Senatine Medicine Company, Mobile, Ala.
Filed September 21, 1940. Serial No. 436,202. PUBLISHED MARCH 25, 1941. Class 6.

387,972. ADHESIVE TAPE OR OXIDE OF ZINC, ALUM, AMMONIA, ANTISEPTIC SOLUTION, ASPIRIN, BORAX, ETC. The Styron-Beggs Company, Newark, Ohio.
Filed September 24, 1940. Serial No. 436,325. PUBLISHED MARCH 25, 1941. Class 6.

387,973. FISHING LINES. Adolph Blaich, Inc., San Francisco, Calif.
Filed September 25, 1940. Serial No. 436,334. PUBLISHED APRIL 1, 1941. Class 22.

387,974. MEDICINE TO AID DIGESTIVE DISTURBANCES. Dorval Chemical Company, Brooklyn, N. Y.
Filed September 27, 1940. Serial No. 436,422. PUBLISHED MARCH 25, 1941. Class 6.

387,975. PREPARATION TO CONTROL THE PREHARVEST DROP OF APPLES. The Dow Chemical Company, Midland, Mich.
Filed September 27, 1940. Serial No. 436,428. PUBLISHED MARCH 25, 1941. Class 6.

387,976. BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF, FOR MEN, WOMEN, AND CHILDREN. Freeman Shoe Corporation, Beloit, Wis.
Filed September 28, 1940. Serial No. 436,467. PUBLISHED APRIL 1, 1941. Class 39.

387,977. PROPHYLACTIC MEMBRANOUS ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. Julius Schmid, Incorporated, New York, N. Y.
Filed September 28, 1940. Serial No. 436,484. PUBLISHED APRIL 1, 1941. Class 44.

387,978. PAPER PRODUCTS PARTICULARLY PAPER WATER MARKS, PAPER NAPKINS, AND BOND PAPER. Paper Mills Agency of Oregon Incorporated, Portland, Oreg.
Filed October 1, 1940. Serial No. 436,549. PUBLISHED APRIL 1, 1941. Class 37.

387,979. FRAMEWORKS FOR DISPLAY SIGNS OR ANY OTHER STRUCTURE CONTAINING METAL PARTS WELDED TOGETHER SUCH AS NEON AND STORE FRONT SIGNS, ETC. THE ARTKRAFT SIGN COMPANY, Lima, Ohio.
Filed October 2, 1940. Serial No. 436,558. PUBLISHED APRIL 1, 1941. Class 12.

387,980. WORK SHIRTS, WORK PANTS, DRESS SHIRTS, NEGLIGEE SHIRTS, PAJAMAS, OVERALLS, AND DUNGAREES. SAMUEL ZALIS, doing business as Baltimore Shirt Co., Baltimore, Md.
Filed October 11, 1940. Serial No. 436,866. PUBLISHED DECEMBER 31, 1940. Class 39.

387,981. BAKERY PRODUCTS—NAMELY, BISCUIT. NATIONAL BISCUIT COMPANY, New York, N. Y.
Filed October 16, 1940. Serial No. 437,009. PUBLISHED DECEMBER 31, 1940. Class 46.

387,982. PENCIL TABLETS, COMPOSITION BOOKS, NOTE BOOKS, SPELLING BLANKS, COMPOSITION PAPER, PRACTICE PAPER, AND PEN TABLETS. KURTZ BROS., INC., Clearfield, Pa.
Filed October 17, 1940. Serial No. 437,040. PUBLISHED APRIL 1, 1941. Class 37.

387,983. TEXTILE DIAPERS. CHICOPEE SALES CORPORATION, New York, N. Y.
Filed October 18, 1940. Serial No. 437,056. PUBLISHED MARCH 18, 1941. Class 39.

387,984. COMPOSITION CONTAINING NO RUBBER FOR WATERPROOFING FABRICS. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed October 18, 1940. Serial No. 437,063. PUBLISHED MARCH 25, 1941. Class 6.

387,985. MEDICINAL AND PHARMACEUTICAL PREPARATIONS — NAMELY, MINERAL OIL, WITCH HAZEL, AND RUBBING ALCOHOL. RALPH M. COLVIN, doing business as The Colvin Drug Company, Baltimore, Md.
Filed October 21, 1940. Serial No. 437,124. PUBLISHED MARCH 25, 1941. Class 6.

387,986. MEN'S AND BOYS' HATS, SUITS, OVERCOATS, TOPCOATS, TROUSERS, KNICKERS, SHORTS, PANTS, CAPS, DRESS SHIRTS, NEGLIGEE SHIRTS, POLO SHIRTS, LEATHER GLOVES, FABRIC GLOVES, WOOL GLOVES, COTTON GLOVES, MITTENS, COATS, LEATHER SHOES, FABRIC SHOES, LEATHER SLIPPERS, FABRIC SLIPPERS, SWEATERS, BATHING SUITS, CRAVATS, SCARFS, UNDERWEAR, HOSIERY, SUSPENDERS, GARTERS, BELTS, PAJAMAS, AND LOUNGING ROBES FOR MEN AND BOYS. MEN'S WEAR SALES CORP., New York, N. Y.
Filed October 21, 1940. Serial No. 437,140. PUBLISHED MARCH 18, 1941. Class 39.

387,987. NAIL POLISH OR NAIL ENAMEL. LADY ESTHER, LTD., Chicago, Ill.
Filed October 23, 1940. Serial No. 437,204. PUBLISHED MARCH 25, 1941. Class 6.

387,988. PREPARATION TO BE USED FOR THE EXTERMINATION OF ROACHES, SILVERFISH, WATERBUGS, AND CRICKETS. DESOTO CHEMICAL COMPANY, Arcadia, Fla.
Filed October 25, 1940. Serial No. 437,274. PUBLISHED MARCH 25, 1941. Class 6.

387,989. TOOL STEEL, CUTLERY STEEL, STAINLESS AND ALLOY STEEL, SAW STEELS, IN INGOTS, BILLETS, PLATE, SHEET, HOT ROLLED AND COLD ROLLED STRIP, AND BAR FORM. JESSOP STEEL COMPANY, Washington, Pa.
Filed October 25, 1940. Serial No. 437,281. PUBLISHED APRIL 1, 1941. Class 14.

387,990. SHOES OF LEATHER, RUBBER, OR FABRIC, OR A COMBINATION OF SAID MATERIALS. TOPPS SHOE CORPORATION, New York, N. Y.
Filed October 26, 1940. Serial No. 437,325. PUBLISHED MARCH 18, 1941. Class 39.

387,991. BOTTLED MEDICAL PREPARATION FOR RELIEF OF ATHLETE'S FOOT. THE FOXX COMPANY, New York, N. Y.
Filed October 29, 1940. Serial No. 437,369. PUBLISHED MARCH 25, 1941. Class 6.

387,992. PREPARED CEREAL FOOD FOR INFANTS AND INVALIDS OR FOR GENERAL USE. FREDERICK A. J. ZEIDLER, Toronto, Ontario, Canada.
Filed October 30, 1940. Serial No. 437,428. PUBLISHED APRIL 1, 1941. Class 46.

387,993. CIGARS. ARANGO Y ARANGO, Tampa, Fla.
Filed November 2, 1940. Serial No. 437,494. PUBLISHED APRIL 1, 1941. Class 17.

387,994. CANNED TUNA FISH AND SALMON. FRANCIS H. LEGGETT & COMPANY, New York, N. Y.
Filed November 2, 1940. Serial No. 437,519. PUBLISHED APRIL 1, 1941. Class 46.

387,995. BOOTS AND SHOES MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. MUSEBECK SHOE COMPANY, Danville, Ill.
Filed November 2, 1940. Serial No. 437,522. PUBLISHED MARCH 18, 1941. Class 39.

387,996. ILLUMINATED LOCKETS, BROOCHES, AND PENDANTS. GENEVA BANDY CHRISTENSEN, New Rochelle, N. Y.
Filed November 4, 1940. Serial No. 437,555. PUBLISHED MARCH 25, 1941. Class 28.

387,997. SANDWICHES, PICKLE RELISH, MAYONNAISE SAUCE, AND PICKLES. WILLIAM J. GRUBER, New Orleans, La.
Filed November 6, 1940. Serial No. 437,620. PUBLISHED APRIL 1, 1941. Class 46.

387,998. NECKTIES. FRANC, STROHMENGER & COWAN, INC., Troy, N. Y.
Filed November 13, 1940. Serial No. 437,817. PUBLISHED MARCH 18, 1941. Class 39.

387,999. ALIMENTARY PASTES, EDIBLE OIL, AND CANNED VEGETABLES. A. RUSSO & CO., INC., Chicago, Ill.
Filed November 16, 1940. Serial No. 437,973. PUBLISHED APRIL 1, 1941. Class 46.

388,000. PUMPS AND PUMP AND PRESSURE TANK WATER SUPPLY UNITS. STERLING PUMP CORPORATION, Hamilton, Ohio.
Filed November 16, 1940. Serial No. 437,975. PUBLISHED APRIL 1, 1941. Class 23.

388,001. MEDICINAL COMPOUND USED IN THE TREATMENT OF NEURALGIA, SCIATICA, PNEUMONIA, TYPHOID FEVER, LA GRIPPE, AND INFLUENZA. MAY W. HICKS, Rocky Mount, N. C.
Filed November 22, 1940. Serial No. 438,133. PUBLISHED MARCH 25, 1941. Class 6.

388,002. FOOT POWDER. LOUIS F. REINHARDT, doing business as Reinhardt Drug Company, Le Center, Minnesota.
Filed November 27, 1940. Serial No. 438,285. PUBLISHED MARCH 25, 1941. Class 6.

388,003. GIRLS' DRESSES, PLAY SUITS, BLOUSES, AND OUTER SKIRTS. SCHLEIFER & LUBELL, INC., New York, N. Y.
Filed November 28, 1940. Serial No. 438,316. PUBLISHED APRIL 1, 1941. Class 39.

388,004. PREPARATIONS FOR TREATMENT OF THE SCALP AND HAIR. PARKER HERBEX CORPORATION, Long Island City, N. Y.
Filed November 29, 1940. Serial No. 438,352. PUBLISHED MARCH 25, 1941. Class 6.

388,005. WINES. JOSEPH MUTASCIO, doing business as Prosperity California Wines, New York, N. Y.
Filed November 30, 1940. Serial No. 438,400. PUBLISHED APRIL 1, 1941. Class 47.

388,006. MISSES' DRESSES AND PLAY SUITS. CAROL CRAWFORD, INC., New York, N. Y.
Filed December 4, 1940. Serial No. 438,502. PUBLISHED MARCH 25, 1941. Class 39.

388,007. MOTOR OILS AND GRAPHITED OILS BOTH COLLOIDAL AND POWDERED INTENDED FOR LUBRICATING PURPOSES. GREDAG CORPORATION, Niagara Falls, N. Y.
Filed December 4, 1940. Serial No. 438,510. PUBLISHED MARCH 25, 1941. Class 15.

388,008. PREPARATIONS USED FOR SOFTENING AND DRESSING TEXTILE MATERIALS. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed December 5, 1940. Serial No. 438,540. PUBLISHED MARCH 25, 1941. Class 6.

388,009. WINES. JOSEPH MUTASCIO, doing business as Prosperity California Wines, New York, N. Y.
Filed December 5, 1940. Serial No. 438,546. PUBLISHED APRIL 1, 1941. Class 47.

388,010. BUTTER, OLEOMARGARINE, SALAD DRESSING, SANDWICH SPREAD, MAYONNAISE, VEGETABLE RELISH, ETC. DAVID PENDER GROCERY COMPANY, Norfolk, Va.
Filed December 6, 1940. Serial No. 438,582. PUBLISHED APRIL 1, 1941. Class 46.

388,011. MONTHLY PUBLICATION, THE SUBJECT-MATTER OF WHICH IS AUTHORITATIVE INFORMATION RELATING TO THE MEDICAL USES OF OXYGEN AND DESIGNED TO PROMOTE AND SECURE GREATER EFFICIENCY AND ECONOMY IN OXYGEN THERAPY SERVICE. SCULLY-WALTON OXYGEN THERAPY SERVICE, INC., New York, N. Y.
Filed December 6, 1940. Serial No. 438,589. PUBLISHED MARCH 25, 1941. Class 38.

388,012. HORSERADISH SPREAD. WITWER GROCER COMPANY, doing business as Sala-Dress Co., Cedar Rapids, Iowa.
Filed December 6, 1940. Serial No. 438,600. PUBLISHED APRIL 1, 1941. Class 46.

388,013. PRINTING PAPER. INTERNATIONAL PAPER COMPANY, New York, N. Y.
Filed December 13, 1940. Serial No. 438,806. PUBLISHED APRIL 1, 1941. Class 37.

388,014. TRACING PAPER. KEUFFEL & ESSER COMPANY, Hoboken, N. J.
Filed December 14, 1940. Serial No. 438,844. PUBLISHED APRIL 1, 1941. Class 37.

388,015. SLIDE FASTENERS. SWAN FASTENER CORPORATION, New York, N. Y., and Philadelphia, Pa.
Filed December 14, 1940. Serial No. 438,855. PUBLISHED APRIL 1, 1941. Class 13.

388,016. ODORIFEROUS LIQUID MATERIAL, ODORANT FOR TEXTILE GOODS. GIVAUDAN-DELAWANNA, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,935. PUBLISHED MARCH 25, 1941. Class 6.

388,017. MEN'S AND BOYS' SUITS AND MEN'S AND BOYS' TROUSERS. KAHN MFG. CO., Mobile, Ala.
Filed December 17, 1940. Serial No. 438,948. PUBLISHED APRIL 1, 1941. Class 39.

388,018. CORSETS, GIRDLES, AND CORSELETS. LILY OF FRANCE CORSET COMPANY, INC., New York, N. Y.
Filed December 17, 1940. Serial No. 438,952. PUBLISHED MARCH 25, 1941. Class 39.

388,019. WINES. JOSEPH MUTASCIO, doing business as Prosperity California Wines, New York, N. Y.
Filed December 17, 1940. Serial No. 438,955. PUBLISHED APRIL 1, 1941. Class 47.

388,020. POTATOES. JOHN P. BUSHEE, East Grand Forks, Minn.
Filed December 18, 1940. Serial No. 438,975. PUBLISHED APRIL 1, 1941. Class 46.

388,021. FURNITURE POLISH. ALLEN L. STEELE, doing business as Steele Mfg. Co., New Orleans, La.
Filed December 19, 1940. Serial No. 439,031. PUBLISHED APRIL 1, 1941. Class 16.

388,022. MIRROR AND PICTURE CORDS. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill.
Filed December 23, 1940. Serial No. 439,095. PUBLISHED APRIL 1, 1941. Class 7.

388,023. GENERAL HOUSEHOLD CLEANER HAVING INCIDENTAL DISINFECTANT PROPERTIES. HOWARD L. WOODWARD, PETER IRVIN CLOUGH, AND LORRAINE CLOUGH, doing business as Clowood Company, Philadelphia, Pa.
Filed December 23, 1940. Serial No. 439,135. PUBLISHED APRIL 1, 1941. Class 4.

388,024. LIQUID FLY SPRAY OR INSECTICIDE. BABSON BROS. CO., Chicago, Ill.
Filed December 26, 1940. Serial No. 439,187. PUBLISHED MARCH 25, 1941. Class 6.

388,025. COTTON TWINES, SASH CORD, CLOTHES LINES, AND LIGHT WRAPPING TWINES MADE OF COTTON, JUTE, OR SISAL FIBRES. VAN RIPER SCHMITT & CO., INC., New York, N. Y.
Filed December 31, 1940. Serial No. 439,321. PUBLISHED APRIL 1, 1941. Class 7.

388,026. COTTON TWINES, SASH CORD, CLOTHES LINES, AND LIGHT WRAPPING TWINES MADE OF COTTON, JUTE, OR SISAL FIBRES. VAN RIPER SCHMITT & CO., INC., New York, N. Y.
Filed December 31, 1940. Serial No. 439,322. PUBLISHED APRIL 1, 1941. Class 7.

388,027. LADIES' LEATHER AND FABRIC GLOVES. WIMELBACHER & RICE, New York, N. Y.
Filed December 31, 1940. Serial No. 439,324. PUBLISHED MARCH 25, 1941. Class 39.

388,028. LADIES' LEATHER AND FABRIC GLOVES. WIMELBACHER & RICE, New York, N. Y.
Filed December 31, 1940. Serial No. 439,325. PUBLISHED MARCH 25, 1941. Class 39.

388,029. MALTED MILK. HORLICK'S MALTED MILK CORPORATION, Racine Wis.
Filed January 2, 1941. Serial No. 439,342. PUBLISHED APRIL 1, 1941. Class 46.

388,030. COLUMN IN A DAILY NEWSPAPER. THE NEWSPAPER PM, INC., New York, N. Y.
Filed January 2, 1941. Serial No. 439,357. PUBLISHED April 1, 1941. Class 38.

388,031. BOOKS. ROW, PETERSON & COMPANY, Evanston, Ill.
Filed January 2, 1941. Serial No. 439,366. PUBLISHED APRIL 1, 1941. Class 38.

388,032. OVERCOATS, SPORT COATS, SUITS, DRESS SUITS, PANTS, VESTS, HATS, OUTER SHIRTS, POLO SHIRTS, BATH ROBES, DRESSING GOWNS, AND UNDERWEAR, ALL FOR MEN AND YOUNG MEN. PHILIP KRONFELD, INC., New York, N. Y.
Filed January 3, 1941. Serial No. 439,391. PUBLISHED MARCH 25, 1941. Class 39.

388,033. TABLOID NEWSPAPER. THE HOLLYWOOD STAR, New York, N. Y.
Filed January 3, 1941. Serial No. 439,396. PUBLISHED APRIL 1, 1941. Class 38.

388,034. LADIES', WOMEN'S, AND MISSES' POCKETBOOKS, BAGS, AND PURSES. BIENEN-DAVIS, INC., New York, N. Y.
Filed January 4, 1941. Serial No. 439,403. PUBLISHED APRIL 1, 1941. Class 3.

388,035. BOOKS, PAMPHLETS, AND CIRCULARS. CLIMAX MOLYBDENUM COMPANY, New York, N. Y.
Filed January 4, 1941. Serial No. 439,409. PUBLISHED MARCH 25, 1941. Class 38.

388,036. CURTAIN PIECE GOODS OF ALL-COTTON KNITTED LACE. POWDRELL & ALEXANDER, INC., Danielson, Conn.
Filed January 4, 1941. Serial No. 439,416. PUBLISHED APRIL 1, 1941. Class 42.

388,037. LADIES' SHOES OF LEATHER AND FABRIC AND/OR COMBINATIONS OF SAME. EDISON BROTHERS STORES, INC., St. Louis, Mo.
Filed January 7, 1941. Serial No. 439,461. PUBLISHED APRIL 1, 1941. Class 39.

388,038. LADIES' AND MISSES' BLOUSES, DRESSES, HOUSECOATS, SUITS, JACKETS, SKIRTS, PAJAMAS, CULOTTES, COATS, AND SLACKS. MITCHELL & WEBER, INC., New York, N. Y.
Filed January 8, 1941. Serial No. 439,489. PUBLISHED APRIL 1, 1941. Class 39.

388,039. FRUIT JUICES AND CONCENTRATES THEREOF FOR MAKING MALTLESS NON-ALCOHOLIC DRINKS. CARL O. PINCKARD, doing business as Tropical Fruit Products Company, St. Louis, Mo.
Filed January 8, 1941. Serial No. 439,490. PUBLISHED APRIL 1, 1941. Class 45.

388,040. SHOES MADE OF LEATHER, OR FABRIC, OR OF COMBINATIONS OF LEATHER AND FABRIC. E. P. REED & CO., Rochester, N. Y.
Filed January 8, 1941. Serial No. 439,492. PUBLISHED MARCH 25, 1941. Class 39.

388,041. FRESH CITRUS FRUIT. SUNLAND PACKING HOUSE COMPANY, Sunland, Calif.
Filed January 8, 1941. Serial No. 439,498. PUBLISHED APRIL 1, 1941. Class 46.

388,042. WEEKLY NEWSPAPER. THE FISHERY REPORTER COMPANY, Philadelphia, Pa.
Filed January 9, 1941. Serial No. 439,513. PUBLISHED APRIL 1, 1941. Class 38.

388,043. SHOE COUNTER MATERIAL IN THE NATURE OF ARTIFICIAL LEATHER. KIMBERLY-CLARK CORPORATION, Neenah, Wis.
Filed January 9, 1941. Serial No. 439,516. PUBLISHED APRIL 1, 1941. Class 50.

388,044. CROCHET HOOKS AND KNITTING NEEDLES. HAMILTON C. BATES, doing business as C. J. Bates & Son, Chester, Conn.
Filed January 10, 1941. Serial No. 439,532. PUBLISHED APRIL 1, 1941. Class 40.

388,045. READY MIXED PAINTS. E. B. PALMER, Stephenville, Tex.
Filed January 10, 1941. Serial No. 439,550. PUBLISHED APRIL 1, 1941. Class 16.

388,046. LADIES' ORNAMENTAL COLLARS AND CUFFS. ANN PHILLIPS, doing business as A. Phillips, New York, N. Y.
Filed January 10, 1941. Serial No. 439,551. PUBLISHED APRIL 1, 1941. Class 39.

388,047. SMALL CASES ADAPTED TO CONTAIN FILTERS, EYEGLASSES, AND SIMILAR ARTICLES. POLAROID CORPORATION, Cambridge, Mass.
Filed January 10, 1941. Serial No. 439,554. PUBLISHED APRIL 1, 1941. Class 2.

388,048. PROCESS AMERICAN CHEESE. THE BORDEN COMPANY, New York, N. Y.
Filed January 11, 1941. Serial No. 439,578. PUBLISHED APRIL 1, 1941. Class 46.

388,049. PROCESS BRICK CHEESE. THE BORDEN COMPANY, New York, N. Y.
Filed January 11, 1941. Serial No. 439,580. PUBLISHED APRIL 1, 1941. Class 46.

388,050. PROCESS BRICK CHEESE. THE BORDEN COMPANY, New York, N. Y.
Filed January 11, 1941. Serial No. 439,581. PUBLISHED APRIL 1, 1941. Class 46.

388,051. PROCESS PIMENTO CHEESE. THE BORDEN COMPANY, New York, N. Y.
Filed January 11, 1941. Serial No. 439,582. PUBLISHED APRIL 1, 1941. Class 46.

388,052. PROCESS PIMENTO CHEESE. THE BORDEN COMPANY, New York, N. Y.
Filed January 11, 1941. Serial No. 439,583. PUBLISHED APRIL 1, 1941. Class 46.

388,053. PROCESS SWISS CHEESE. THE BORDEN COMPANY, New York, N. Y.
Filed January 11, 1941. Serial No. 439,584. PUBLISHED APRIL 1, 1941. Class 46.

388,054. BOOKS. ROW, PETERSON & COMPANY, Evanston, Ill.
Filed January 11, 1941. Serial No. 439,604. PUBLISHED APRIL 1, 1941. Class 38.

388,055. WALL PAPER. UNITED WALL PAPER FACTORIES, INC., Chicago, Ill.
Filed January 11, 1941. Serial No. 439,609. PUBLISHED APRIL 1, 1941. Class 37.

388,056. SHOES OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF FOR MEN, WOMEN, AND CHILDREN. A. SANDLER CO., Boston, Mass.
Filed January 13, 1941. Serial No. 439,633. PUBLISHED MARCH 18, 1941. Class 39.

388,057. WORK GLOVES. WELLS LAMONT SMITH CORPORATION, Chicago, Ill.
Filed January 13, 1941. Serial No. 439,642. PUBLISHED MARCH 18, 1941. Class 39.

388,058. CORSETS, GIRDLES, STEP-IN CORSETS, PANTIES, AND COMBINATION CORSETS AND BRASSIÈRES. THE H. W. GOSSARD CO., Chicago, Ill.
Filed January 14, 1941. Serial No. 439,651. PUBLISHED APRIL 1, 1941. Class 39.

388,059. NEWSPAPER COLUMN. DONALD CHARLES HAYMAN, Uniontown, Pa.
Filed January 14, 1941. Serial No. 439,655. PUBLISHED APRIL 1, 1941. Class 38.

388,060. MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, RUBBER, AND FABRICS, AND COMBINATIONS OF THE SAME. HUISKAMP BROTHERS CO., Keokuk, Iowa.
Filed January 14, 1941. Serial No. 439,656. PUBLISHED APRIL 1, 1941. Class 39.

388,061. CLOCKS. THE PENNWOOD COMPANY, Pittsburgh, Pa.
Filed January 14, 1941. Serial No. 439,663. PUBLISHED APRIL 1, 1941. Class 27.

388,062. BRASSIÈRES, BANDEAUX, AND FOUNDATION GARMENTS. BESTFORM FOUNDATIONS, INC., New York, N. Y.
Filed January 14, 1941. Serial No. 439,682. PUBLISHED MARCH 18, 1941. Class 39.

388,063. WOMEN'S NECKWEAR—I. E., COLLAR AND CUFF SETS, VESTEES, BIBS, PANELS, AND YOKES, ETC. OPPENHEIM & BARUCH, INC., New York, N. Y.
Filed January 15, 1941. Serial No. 439,702. PUBLISHED MARCH 25, 1941. Class 39.

388,064. SILVER AND SILVER MOUNTED FLATWARE (IMPLEMENTS WITH A HANDLE OR FINGER HOLD FOR CULINARY, FEEDING, SERVING, OR PERSONAL USE); ETC. TOWLE MANUFACTURING COMPANY, Newburyport, Mass.
Filed January 16, 1941. Serial No. 439,735. PUBLISHED MARCH 25, 1941. Class 28.

388,065. CAUSTIC SODA, CAUSTIC POTASH, CARBONATE OF POTASH, BLEACHING POWDER, ETC. NIAGARA ALKALI COMPANY, Niagara Falls, N. Y.
Filed January 16, 1941. Serial No. 439,739. PUBLISHED MARCH 25, 1941. Class 6.

388,066. MEN'S LEATHER BOOTS AND SHOES. BUCKINGHAM & HECHT, San Francisco, Calif.
Filed January 17, 1941. Serial No. 439,747. PUBLISHED APRIL 1, 1941. Class 39.

388,067. LADIES' WATCH BRACELETS. JACOBY-BENDER, INC., New York, N. Y.
Filed January 17, 1941. Serial No. 439,755. PUBLISHED MARCH 25, 1941. Class 28.

388,068. SPORTSWEAR—NAMELY, SLACKS AND SKIRTS FOR WOMEN, MISSES, AND GIRLS. KAMBER & MASKET, INC., New York, N. Y.
Filed January 18, 1941. Serial No. 439,776. PUBLISHED APRIL 1, 1941. Class 39.

388,069. SOYBEAN AND LINSEED OIL USED IN PAINTS AND VARNISHES. ARCHER-DANIELS-MIDLAND COMPANY, Minneapolis, Minn.
Filed January 21, 1941. Serial No. 439,790. PUBLISHED APRIL 1, 1941. Class 16.

388,070. PIECE GOODS MADE FROM THE FOLLOWING MATERIALS AND/OR COMBINATIONS THEREOF: ANIMAL FIBERS, SUCH AS MOHAIR, WOOL, AND SILK; VEGETABLE FIBERS, SUCH AS COTTON AND LINENS; ALSO SYNTHETICS. GOODALL WORSTED COMPANY, Sanford, Maine.
Filed January 21, 1941. Serial No. 439,811. PUBLISHED APRIL 1, 1941. Class 42.

388,071. KAPOK BATTING FOR SOUND-DEADENING AND THERMAL INSULATION. SEAMAN PAPER COMPANY, Chicago Ill.
Filed January 21, 1941. Serial No. 439,836. PUBLISHED APRIL 1, 1941. Class 12.

388,072. KAPOK FELT FOR SOUND-DEADENING AND THERMAL INSULATION. SEAMAN PAPER COMPANY, Chicago, Ill.
Filed January 21, 1941. Serial No. 439,837. PUBLISHED APRIL 1, 1941. Class 12.

388,073. RESERVE COMPARTMENT TRAYS FOR REFRIGERATORS. SOPHIE GONCZI, New York, N. Y.
Filed January 22, 1941. Serial No. 439,866. PUBLISHED APRIL 1, 1941. Class 31.

388,074. MEDICINAL PREPARATION FOR USE IN RELIEVING PAINS OF RHEUMATISM, NEURALGIA, NEURITIS, AND LUMBAGO. SALVATORE GRASSO, Syracuse, N. Y.
Filed January 22, 1941. Serial No. 439,868. PUBLISHED MARCH 25, 1941. Class 6.

388,075. LUBRICANTS, COMPRISING OILS AND GREASES. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed January 22, 1941. Serial No. 439,870. PUBLISHED APRIL 1, 1941. Class 15.

388,076. CANNED FRUIT JUICES, BERRY JUICES, AND VEGETABLE JUICES USED FOR FOOD PURPOSES. HAAS BROTHERS, San Francisco, Calif.
Filed January 23, 1941. Serial No. 439,896. PUBLISHED APRIL 1, 1941. Class 46.

388,077. HORSE COLLARS AND HARNESS. THE KENTUCKY WHIP & COLLAR COMPANY, INC., Princeton, Ky.
Filed January 23, 1941. Serial No. 439,899. PUBLISHED APRIL 1, 1941. Class 3.

388,078. HANDKERCHIEFS. J. H. KIMBALL, INC., New York, N. Y.
Filed January 23, 1941. Serial No. 439,900. PUBLISHED MARCH 25, 1941. Class 39.

388,079. SHEETS, PILLOW CASES, BLANKETS, COMFORTS, SPREADS, TOWELS, CURTAINS. LANSBURGH & BRO., Washington, D. C.
Filed January 24, 1941. Serial No. 439,935. PUBLISHED APRIL 1, 1941. Class 42.

388,080. GLOVES MADE OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. C. D. OSBORN CO., Chicago, Ill.
Filed January 24, 1941. Serial No. 439,946. PUBLISHED MARCH 25, 1941. Class 39.

388,081. CHEMICAL COMPOUNDS FOR IMPREGNATING FIBROUS, CELLULOSIC, AND TEXTILE MATERIAL TO MAKE SAME MILDEW-PROOF. ALBI CHEMICAL CORPORATION, New York, N. Y.
Filed January 25, 1941. Serial No. 439,955. PUBLISHED APRIL 1, 1941. Class 6.

388,082. HACK SAW BLADES. E. C. ATKINS AND COMPANY, Indianapolis, Ind.
Filed January 25, 1941. Serial No. 439,957. PUBLISHED APRIL 1, 1941. Class 23.

388,083. DRILL BIT GAUGES, DRILL BIT GAUGING MACHINERY, DRILL GAUGES, DIAMETER GAUGING MACHINES FOR BITS, AND HEIGHT GAUGING MACHINERY FOR BITS. BITCO, INC., Wallace, Idaho.
Filed January 27, 1941. Serial No. 439,991. PUBLISHED APRIL 1, 1941. Class 26.

388,084. TICKET AND COUPON ISSUING MACHINES. SLOT VENDING MACHINES. GENERAL REGISTER CORPORATION, New York, N. Y.
Filed January 27, 1941. Serial No. 440,002. PUBLISHED APRIL 1, 1941. Class 23.

388,085. GRAPE JUICE, APPLE CIDER, AND NON-ALCOHOLIC, NON-CEREAL, MALTLESS CARBONATED BEVERAGES SOLD AS SOFT DRINKS. MID-CITY WHOLESALE GROCERS, INC., Cicero, Ill.
Filed January 27, 1941. Serial No. 440,015. PUBLISHED APRIL 1, 1941. Class 45.

388,086. WOOL, SILK, COTTON, AND RAYON PIECE GOODS. MORRIS & COMPANY, INCORPORATED, Baltimore, Md.
Filed January 27, 1941. Serial No. 440,016. PUBLISHED APRIL 1, 1941. Class 42.

388,087. EXERCISING DEVICES ADAPTED TO CONTACT THE ABDOMEN. SOLA PLEXO VITALIZER CORPORATION, Rockford, Ill.
Filed January 27, 1941. Serial No. 440,025. PUBLISHED APRIL 1, 1941. Class 22.

388,088. SPECTACLES AND GOGGLES AND LENSES THEREFOR. AMERICAN SPECTACLE CO., INC., New York, N. Y.
Filed January 28, 1941. Serial No. 440,034. PUBLISHED APRIL 1, 1941. Class 26.

388,089. TONICS FOR THE RELIEF OF RHEUMATIC PAINS IN THE BACK AND KIDNEYS, RUN-DOWN SYSTEM, BILIOUSNESS, PIMPLES AND BOILS CAUSED BY IMPURE BLOOD. OLIVETTE M. BANKS, doing business as Seven Star Botanic Drugs, Pasadena, Calif.
Filed January 28, 1941. Serial No. 440,036. PUBLISHED APRIL 1, 1941. Class 6.

388,090. PLAIN AND PRINTED RAYON AND ACETATE CLOTH IN THE PIECE. CHARMETTE FABRICS CO., INC., New York, N. Y.
Filed January 28, 1941. Serial No. 440,041. PUBLISHED APRIL 1, 1941. Class 42.

388,091. CANNED VEGETABLES. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn.
Filed January 28, 1941. Serial No. 440,052. PUBLISHED APRIL 1, 1941. Class 46.

388,092. BOILER COMPOUND. SOPROCO INCORPORATED, New Orleans, La.
Filed January 28, 1941. Serial No. 440,064. PUBLISHED APRIL 1, 1941. Class 6.

388,093. BLEACH, GERMICIDE, AND DISINFECTANT, ALSO HAVING INCIDENTAL CLEANING PROPERTIES. BEACON CHEMICAL CORPORATION, Philadelphia, Pa.
Filed January 29, 1941. Serial No. 440,081. PUBLISHED APRIL 1, 1941. Class 6.

388,094. TABLE GAME. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed January 30, 1941. Serial No. 440,111. PUBLISHED APRIL 1, 1941. Class 22.

388,095. HOSIERY. GOTHAM SILK HOSIERY COMPANY, INC., New York, N. Y.
Filed January 30, 1941. Serial No. 440,123. PUBLISHED APRIL 1, 1941. Class 39.

388,096. HOSIERY. GOTHAM SILK HOSIERY COMPANY, INC., New York, N. Y.
Filed January 30, 1941. Serial No. 440,124. PUBLISHED APRIL 1, 1941. Class 39.

388,097. VITAMINIC PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed January 30, 1941. Serial No. 440,136. PUBLISHED APRIL 1, 1941. Class 6.

388,098. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed January 31, 1941. Serial No. 440,145. PUBLISHED APRIL 1, 1941. Class 42.

388,099. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed January 31, 1941. Serial No. 440,146. PUBLISHED APRIL 1, 1941. Class 42.

388,100. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed January 31, 1941. Serial No. 440,147. PUBLISHED APRIL 1, 1941. Class 42.

388,101. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed January 31, 1941. Serial No. 440,148. PUBLISHED APRIL 1, 1941. Class 42.

388,102. TOWELS. ELIAS A. HAMRAH, doing business as Alex J. Hamrah Sons Co., New York, N. Y.
Filed January 31, 1941. Serial No. 440,160. PUBLISHED APRIL 1, 1941. Class 42.

388,103. PAJAMAS FOR MEN AND YOUNG MEN. TRUVAL MANUFACTURERS, INC., New York, N. Y.
Filed February 1, 1941. Serial No. 440,225. PUBLISHED APRIL 1, 1941. Class 39.

388,104. APPETIZER-LAXATIVE TONIC. BENEDICT M. ANTONUCCI, Youngstown, Ohio.
Filed February 3, 1941. Serial No. 440,232. PUBLISHED APRIL 1, 1941. Class 6.

388,105. LIME SULPHUR SOLUTION USED AS A DISINFECTANT AND GERMICIDE. THE FARR COMPANY, Greeley, Colo.
Filed February 3, 1941. Serial No. 440,238. PUBLISHED APRIL 1, 1941. Class 6.

388,106. MATTRESSES, BOX SPRINGS, AND STUDIO COUCHES. H. GOODMAN INC., Cleveland, Ohio.
Filed February 3, 1941. Serial No. 440,244. PUBLISHED APRIL 1, 1941. Class 32.

388,107. PREPARATION CONTAINING VITAMIN B_6 (PYRIDOXINE HYDROCHLORIDE) FOR USE IN PREVENTION OF DEFICIENCIES OF THIS FACTOR. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed February 3, 1941. Serial No. 440,262. PUBLISHED MARCH 25, 1941. Class 6.

388,108. QUESTION AND ANSWER GAME. PERCY FRIEDMAN, Yeadon, Pa.
Filed February 4, 1941. Serial No. 440,286. PUBLISHED APRIL 1, 1941. Class 22.

388,109. MEDICINES FOR DOGS—NAMELY, NERVE SEDATIVES, LAXATIVE TABLETS, PEPSIN AND AROMATIC TABLETS, ETC. POLK MILLER PRODUCTS CORP., Richmond, Va.
Filed February 4, 1941. Serial No. 440,290. PUBLISHED APRIL 1, 1941. Class 6.

388,110. MEDICINE FOR USE IN THE TREATMENT OF ECZEMA, SKIN CANCER, ERUPTIONS AND INFECTIONS OF THE SKIN, AND HEMORRHOIDS. HARRY P. MENICH, Topeka, Kans.
Filed February 5, 1941. Serial No. 440,338. PUBLISHED APRIL 1, 1941. Class 6.

388,111. PREPARATIONS FOR CORRECTION OF METABOLIC DEFICIENCIES, WHETHER FOR ORAL OR PARENTERAL ADMINISTRATION INCLUDING VITAMIN-CONTAINING PREPARATIONS, INCLUDING VITAMIN B COMPLEX. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed February 5, 1941. Serial No. 440,343. PUBLISHED MARCH 25, 1941. Class 6.

388,112. TONICS, ELIXIRS, PREPARATIONS FOR CORRECTION OF METABOLIC DEFICIENCIES, INCLUDING VITAMIN-CONTAINING PREPARATIONS, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed February 5, 1941. Serial No. 440,344. PUBLISHED MARCH 25, 1941. Class 6.

388,113. TENNIS NETS AND THE CABLE RECEIVING TOP BANDS OR BINDING OF TENNIS NETS. THE LINEN THREAD CO., INC., New York, N. Y.
Filed February 6, 1941. Serial No. 440,373. PUBLISHED APRIL 1, 1941. Class 22.

388,114. MEDICAL PREPARATION TO BE EXTERNALLY APPLIED FOR TREATING ECZEMA, INSECT BITES, CUTS, ETC. ABELINO SEOANE, Denver, Colo.
Filed February 6, 1941. Serial No. 440,389. PUBLISHED APRIL 1, 1941. Class 6.

388,115. PAJAMAS FOR MEN AND YOUNG MEN. ESSLEY SHIRT COMPANY, INC., New York, N. Y.
Filed February 7, 1941. Serial No. 440,411. PUBLISHED APRIL 1, 1941. Class 39.

388,116. BAGS MADE FROM PAPER OR OTHER SHEET MATERIAL. HAMMOND BAG & PAPER CO., Wellsburg, W. Va.
Filed February 10, 1941. Serial No. 440,507. PUBLISHED APRIL 1, 1941. Class 2.

388,117. TOOTH PASTE AND TOOTH POWDER. MILTON BROWN, doing business as Lactra Tooth Paste Co., New York, N. Y.
Filed February 11, 1941. Serial No. 440,543. PUBLISHED APRIL 1, 1941. Class 6.

388,118. COLLOID COPPER FUNGICIDE. MILLER CHEMICAL & FERTILIZER CORPORATION, Baltimore, Md.
Filed February 11, 1941. Serial No. 440,560. PUBLISHED APRIL 1, 1941. Class 6.

388,119. COMPOUND USED FOR SOFTENING, FILLING, AND WEIGHTING OF COTTON FABRICS IN THE FINISHING OPERATION. HAAS-MILLER CORP., Philadelphia, Pa.
Filed February 12, 1941. Serial No. 440,590. PUBLISHED APRIL 1, 1941. Class 6.

388,120. CHEMICAL MIXTURE DESIGNED TO BE USED BY HUMANS AS A LOCAL ANTISEPTIC, FOOT BATH, DOUCHE, ETC. J. L. HOFFMAN COMPANY, INC., Allentown, Pa.
Filed February 12, 1941. Serial No. 440,592. PUBLISHED APRIL 1, 1941. Class 6.

388,121. WOODEN AND UPHOLSTERED FURNITURE, INCLUDING BEDS, DRESSERS, TABLES, MIRRORS, STOOLS, ETC. GRAND RAPIDS FURNITURE MAKERS GUILD, Grand Rapids, Mich.
Filed February 13, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 440,624. PUBLISHED APRIL 1, 1941. Class 32.

388,122. SOLVENT IN THE FORM OF A LIQUID TO BE USED AS A GUM SOLVENT IN WASHING OUT ENGINES. GRAY COMPANY, INCORPORATED, Minneapolis, Minn.
Filed February 13, 1941. Serial No. 440,625. PUBLISHED MARCH 25, 1941. Class 6.

388,123. LIGHTER FLUID. CONSOLIDATED ROYAL CHEMICAL CORPORATION, Chicago, Ill.
Filed February 14, 1941. Serial No. 440,644. PUBLISHED APRIL 1, 1941. Class 6.

388,124. PASTE AND READY-MIXED PAINTS, LACQUERS, AND PAINT ENAMELS. ROXALIN FLEXIBLE LACQUER COMPANY, INC., Elizabeth, N. J.
Filed February 14, 1941. Serial No. 440,663. PUBLISHED APRIL 1, 1941. Class 16.

388,125. REFRIGERATOR COILS. MCCRAY REFRIGERATOR COMPANY, Kendallville, Ind.
Filed February 15, 1941. Serial No. 440,691. PUBLISHED APRIL 1, 1941. Class 31.

388,126. ANALGESIC AND SEDATIVE TABLET. MERZ & CO. CHEMICAL WORKS, INC., East Orange, N. J.
Filed February 15, 1941. Serial No. 440,696. PUBLISHED APRIL 1, 1941. Class 6.

388,127. ANTIDIARRHOIC PREPARATION. MERZ & CO. CHEMICAL WORKS, INC., East Orange, N. J.
Filed February 15, 1941. Serial No. 440,697. PUBLISHED APRIL 1, 1941. Class 6.

388,128. VERMIFUGE. MERZ & CO. CHEMICAL WORKS, INC., East Orange, N. J.
Filed February 15, 1941. Serial No. 440,699. PUBLISHED APRIL 1, 1941. Class 6.

388,129. APHRODISIAC TABLET. MERZ & CO. CHEMICAL WORKS, INC., East Orange, N. J.
Filed February 15, 1941. Serial No. 440,702. PUBLISHED APRIL 1, 1941. Class 6.

388,130. BADMINTON SHUTTLECOCKS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed February 15, 1941. Serial No. 440,707. PUBLISHED APRIL 1, 1941. Class 22.

388,131. AQUEOUS DISPERSIONS OF SYNTHETIC RUBBER COMPOUNDS, BOTH ALONE AND IN AN ADMIXTURE WITH NATURAL RUBBER DISPERSIONS. AMERICAN ANODE INC., Wilmington, Del., and Akron, Ohio.
Filed February 19, 1941. Serial No. 440,769. PUBLISHED APRIL 1, 1941. Class 6.

388,132. GAME PLAYED WITH PADDLES AND A SHUTTLECOCK. BEAL'S GAMES, INC., New York, N. Y.
Filed February 19, 1941. Serial No. 440,771. PUBLISHED APRIL 1, 1941. Class 22.

388,133. INSECT REPELLENT AND SUNBURN PREVENTIVE. FOLEY AND COMPANY, Chicago, Ill.
Filed February 19, 1941. Serial No. 440,780. PUBLISHED APRIL 1, 1941. Class 6.

388,134. ACID NEUTRALIZING ASTRINGENT AND HEMATINIC. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed February 20, 1941. Serial No. 440,827. PUBLISHED APRIL 1, 1941. Class 6.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

388,135. (CLASS 39. CLOTHING.) JOINT BOARD OF FULTON COUNTY, Gloversville, N. Y. Filed Dec. 21, 1938. Under the act of Mar. 19, 1920, as amended June 10, 1938. Serial No. 414,074.



FOR LADIES' AND MEN'S GLOVES OF LEATHER.
Claims use since Nov. 9, 1938.

388,136. (CLASS 39. CLOTHING.) A. E. NETTLETON COMPANY, Syracuse, N. Y. Filed Sept. 2, 1939. Serial No. 423,275.

Lady Nettleton

FOR LADIES' AND GIRLS' SHOES MADE OF LEATHER, RUBBER, FABRIC, OR VARIOUS COMBINATIONS OF SUCH MATERIALS.
Claims use since July 7, 1939.

388,137. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SMITH RICE MILL COMPANY, De Witt, Ark. Filed Feb. 5, 1940. Serial No. 428,216.

MANDALAY

FOR RICE.
Claims use since Jan. 23, 1940.

388,138. (CLASS 39. CLOTHING.) RALPH MOSES, New York, N. Y. Filed Mar. 28, 1940. Serial No. 430,091.



FOR MUFF BEDS WITH SLIDE FASTENERS USED AS A FOUNDATION FOR MUFFS WITH HANDBAG PROVISIONS.
Claims use since Dec. 3, 1936.

388,139. (CLASS 12. CONSTRUCTION MATERIALS.) WILLIAM C. CALLAWAY, Sierra Madre, Calif. Filed Apr. 1, 1940. Serial No. 430,215.

CALLAWAY VACATION HOUSE

FOR KNOCKDOWN AND PORTABLE HOUSES.
Claims use since Mar. 4, 1940.

388,140. (CLASS 39. CLOTHING.) GOODYEAR FOOTWEAR CORPORATION, Providence, R. I. Filed Apr. 4, 1940. Serial No. 430,353.

WEAR GOODYEAR MASTER

FOR RUBBER, CANVAS, AND LEATHER FOOTWEAR—NAMELY, SHOES, OVERSHOES, BOOTS, RUBBERS, SANDALS, SLIPPERS, AND GAITERS.
Claims use since Mar. 8, 1940.

388,141. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) VICTORIA LAMPIDIS, Union City, N. J. Filed Apr. 22, 1940. Serial No. 431,061.

NAPPY ART

FOR ART WORK SETS SOLD AS A UNIT CONSISTING OF PIECES OF TEXTILE MATERIAL STAMPED WITH A DESIGN; ENVELOPES CONTAINING SHORT NAP FIBERS IN VARIOUS COLORS AND IN POWDERED FORM; AND A PASTE MATERIAL FOR APPLYING SAID NAP FIBERS TO THE DESIGN.
Claims use since Feb. 15, 1940.

388,142. (CLASS 12. CONSTRUCTION MATERIALS.) KEYSTONE STEEL & WIRE COMPANY, Peoria, Ill. Filed Apr. 26, 1940. Serial No. 431,259.

KEY-MESH

FOR WOVEN WIRE LATH FOR REINFORCING STUCCO.
Claims use since Apr. 10, 1940.

388,143. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RALPH E. MYERS, doing business as Ralph E. Myers Co., Salinas, Calif. Filed Apr. 26, 1940. Serial No. 431,272.

Sani-tized

FOR FRESH VEGETABLES.
Claims use since Apr. 12, 1940.

388,144. (CLASS 39. CLOTHING.) LINDFELT MANUFACTURING CO., Des Moines, Iowa. Filed Apr. 29, 1940. Serial No. 431,363.

Glitter Mitts

FOR CLOTH OR FABRIC GLOVES AND MITTENS.
Claims use since Mar. 1, 1940.

388,145. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. M. KIMBALL CO., Everett, Mass. Filed May 8, 1940. Serial No. 431,689.

REFRESH-R

FOR BOTTLED LIQUID WHICH, WHEN SPRAYED INTO THE AIR, DEODORIZES THE SAME.
Claims use since Apr. 17, 1940.

388,146. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PHARMA-CRAFT CORPORATION, Louisville, Ky. Filed May 16, 1940. Serial No. 432,004.

KEEPS YOU FRESH AS A DAISY

FOR CREAM PREPARATION TO STOP PERSPIRATION.
Claims use since Apr. 5, 1940.

388,147. (CLASS 39. CLOTHING.) OTTO A. LENZ, doing business as No-Ti-Bibs Company, Minneapolis, Minn. Filed May 17, 1940. Serial No. 432,038.

NO-TI-BIBS

FOR CHILDREN'S BIBS OR SIMILAR ARTICLES THAT ARE FASTENED AROUND THE NECK OF A PERSON, SUCH AS A BARBER'S APRON OR A DENTAL NAPKIN.
Claims use since Mar. 5, 1940.

388,148. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GENERAL MOTORS CORPORATION, Detroit, Mich. Filed May 31, 1940. Serial No. 432,522.

TROY

FOR ACCESSORY DEVICES USED WITH INTERNAL COMBUSTION ENGINES—NAMELY, LUBRICATING OIL AND GASOLINE FILTERS FOR STRAINING THE LUBRICATING OIL AND GASOLINE IN INTERNAL COMBUSTION ENGINE SYSTEMS AND REPLACEMENT FILTERING ELEMENTS OF SUCH.
Claims use since Apr. 5, 1940.

388,149. (CLASS 39. CLOTHING.) DAVID KORN & CO. INC., New York, N. Y. Filed July 6, 1940. Serial No. 433,740.

Fray-Ruf

FOR LADIES' APPAREL COMPRISING SLIPS, CHEMISES, DANCE SETS, NIGHTGOWNS, PAJAMAS, PETTICOATS, BED SACQUES, PANTIES, SHORTS, AND "BRIEFS."
Claims use since Apr. 5, 1940.

388,150. (CLASS 39. CLOTHING.) ENGEL, BAUER & CO., INC., New York, N. Y. Filed July 11, 1940. Serial No. 433,853.

Karyl Lee

FOR LADIES' COLLAR AND CUFF SETS, CUFFS, JABOTS, VESTS, VESTEES, AND SCARVES.
Claims use since Jan. 2, 1940.

388,151. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) JAMES B. BEAM DISTILLING CO., INCORPORATED, Clermont, Ky. Filed July 15, 1940. Serial No. 433,957.

BEAM'S 86

FOR WHISKEY.
Claims use since Apr. 17, 1940.

388,152. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRANK M. HAMBURGER, doing business as Frank Hamburger Co., New York, N. Y. Filed July 25, 1940. Serial No. 434,325.

WINDHAM

FOR PIECE GOODS, MADE OF COTTON, RAYON, WORSTED, AND ACETATE.
Claims use since Apr. 29, 1940.

388,153. (CLASS 39. CLOTHING.) ARNOLD G. BEHN, Arlington, N. J. Filed Aug. 24, 1940. Serial No. 435,346.

George's Nature Shape

FOR BOOTS, SHOES, AND SLIPPERS OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF.
Claims use since Aug. 14, 1929.

388,154. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ARCHER-DANIELS-MIDLAND COMPANY, Minneapolis, Minn. Filed Sept. 12, 1940. Serial No. 435,890.

ARCHER-DANIELS-MIDLAND CO. PURE CLARIFIED RAW OIL MINNEAPOLIS.

FOR SOYBEAN AND LINSEED OILS FOR USE IN PAINTS, ENAMELS, AND VARNISHES.
Claims use since February, 1928.

388,155. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SHURON OPTICAL COMPANY, INC., Geneva, N. Y. Filed Sept. 27, 1940. Serial No. 436,447.

SHURSET

FOR MOUNTINGS FOR SPECTACLES AND EYEGLASSES.
Claims use since March, 1940.

388,156. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) VICTOR M. RAMIREZ, doing business as V. M. Ramirez y Cia., Playa Ponce, P. R. Filed Nov. 4, 1940. Serial No. 437,576.



FOR DISTILLED ALCOHOLIC RUM.
Claims use since Jan. 1, 1934.

388,157. (CLASS 12. CONSTRUCTION MATERIALS.) COPER-CEL CORPORATION, New York, N. Y. Filed Nov. 9, 1940. Serial No. 437,714.

Coper-Cel

FOR ROOFING AND SIDING.
Claims use since Mar. 15, 1940.

388,158. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) VICTOR M. RAMIREZ, doing business as V. M. Ramirez y Cia., Playa Ponce, P. R. Filed Nov. 13, 1940. Serial No. 437,838.

86 PROOF 4/5 QUART
GOLD
RON CALIENTE
WEST INDIES DISTILLED RUM
PUERTO RICAN RUM
Produced and Bottled according to the formula of
COMPANIA RON CALIENTE, R.B.S. PONCE, P.R.
BY DISTILLERIES
V.M. RAMIREZ Y CIA
PONCE, P. R.

FOR DISTILLED ALCOHOLIC RUM.
Claims use since Sept. 14, 1902.

388,159. (CLASS 39. CLOTHING.) STERN, MERRITT CO., INC., New York, N. Y. Filed Nov. 30, 1940. Serial No. 438,411.

FAIRFIELD

FOR NECKTIES.
Claims use since November, 1939.

388,160. (CLASS 39. CLOTHING.) STERN, MERRITT CO., INC., New York, N. Y. Filed Nov. 30, 1940. Serial No. 438,414.

TOULON

FOR NECKTIES.
Claims use since November, 1929.

388,161. (CLASS 39. CLOTHING.) STERN, MERRITT CO., INC., New York, N. Y. Filed Nov. 30, 1940. Serial No. 438,415.

TUSCANY

FOR NECKTIES.
Claims use since November, 1933.

388,162. (CLASS 39. CLOTHING.) STERN, MERRITT CO., INC., New York, N. Y. Filed Nov. 30, 1940. Serial No. 438,417.

WELLINGTON

FOR NECKTIES.
Claims use since November, 1929.

388,163. (CLASS 39. CLOTHING.) STERN, MERRITT CO., INC., New York, N. Y. Filed Nov. 30, 1940. Serial No. 438,418.

Whiston

FOR NECKTIES.
Claims use since November, 1936.

388,164. (CLASS 47. WINES.) ELLENA BROTHERS, Etiwanda, Calif. Filed Dec. 9, 1940. Serial No. 438,648.

Ellena's

FOR WINES.
Claims use since Apr. 26, 1940.

388,165. (CLASS 39. CLOTHING.) HENRY MANGNUS HAVIG, Grand Forks, N. Dak. Filed Jan. 11, 1941. Serial No. 439,596.

HAVIG'S

FOR MEN'S CLOTHING, SUCH AS SUITS, OVERCOATS, HATS, AND NECKTIES.
Claims use since Nov. 1, 1935.

388,166. (CLASS 39. CLOTHING.) HENRY MANGNUS HAVIG, Grand Forks, N. Dak. Filed Jan. 11, 1941. Serial No. 439,597.

Havig's

FOR MEN'S CLOTHING, SUCH AS SUITS, OVERCOATS, HATS, AND NECKTIES.
Claims use since Nov. 1, 1935.

388,167. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES D. WADSWORTH, doing business as Mothproof & Chemical Company, Boston, Mass. Filed Jan. 24, 1941. Serial No. 439,953.

Moth-Kem

FOR MOTHPROOF PRODUCTS.
Claims use since November, 1939.

388,168. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) 20TH CENTURY COMPANY, Cincinnati, Ohio. Filed Jan. 31, 1941. Serial No. 440,183.

CHIC

FOR WRIST WATCH STRAPS MADE OF LEATHER, WEBBING, OR PLASTIC MATERIAL.
Claims use since Jan. 10, 1940.

388,169. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DORSET FOODS, LTD., New York, N. Y. Filed Feb. 1, 1941. Serial No. 440,192.

DORSET

FOR FOOD PRODUCTS, SPECIFICALLY CHICKEN A LA KING, CREAM VICHYSSOISE SOUP, BISQUE OF LOBSTER, ONION SOUP, TURKEY BROTH, BOUILLABAISSE, BORSCHT, LOBSTER A LA NEWBURG, GREEN TURTLE MEAT, GREEN TURTLE SOUP, STURGEON BISQUE.
Claims use since Nov. 14, 1939.

388,170. (CLASS 39. CLOTHING.) COLE OF CALIFORNIA, INC., Los Angeles, Calif. Filed Feb. 12, 1941. Serial No. 440,581.

Cole
OF CALIFORNIA

FOR MEN'S, WOMEN'S, AND CHILDREN'S CLOTHING—NAMELY, BATHING SUITS, SWIMMING SUITS, DRESSES, PLAY SUITS, SUN SUITS, SHOES MADE OF LEATHER, FABRIC, RUBBER, OR A COMBINATION THEREOF.
Claims use since Jan. 1, 1939.

388,171. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOLA MIESENHELDER, doing business as Miesenhelder Mill & Elevator, and Miesenhelder Mill & Elevator Co., and Miesenhelder Bros., Palestine, Ill. Filed Feb. 12, 1941. Serial No. 440,608.

Mitifine

FOR WHOLE WHEAT FLOUR, SALT, POULTRY MASH, CORN MEAL, BLENDED FLOUR CONSISTING OF A BLEND OF SOFT AND HARD WHEAT FLOURS, AND WHEAT FLOUR.
Claims use since 1914.

388,172. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLARENCE B. STORMONT, St. Louis, Mo. Filed Feb. 19, 1941. Serial No. 440,793.

CHIGGER-FREE

FOR PREPARATION FOR THE PREVENTION OF CHIGGER BITES.
Claims use since July 1, 1939.

388,173. (CLASS 12. CONSTRUCTION MATERIALS.) WILLIAM E. BRYAN, doing business as Weather Seal Company, Cincinnati, Ohio. Filed Feb. 21, 1941. Serial No. 440,849.

DRYE

FOR WATERPROOFING COMPOUNDS FOR WATERPROOFING BRICK AND MASONRY WORK, SUCH AS BASEMENT WALLS, CISTERNS, FISHPONDS, AND SWIMMING POOLS.
Claims use since January, 1940.

388,174. (CLASS 39. CLOTHING.) LOU TISHMAN CO., INC., New York, N. Y. Filed Mar. 5, 1941. Serial No. 441,264.

Lady Ascot

FOR WOMEN'S AND MISSES' COATS, SUITS, AND COAT AND SUIT COMBINATIONS.
Claims use since May 1, 1939.

388,175. (CLASS 12. CONSTRUCTION MATERIALS.) CARR, ADAMS & COLLIER COMPANY, Dubuque, Iowa. Filed Mar. 27, 1941. Serial No. 442,002.

BILT WELL

FOR BUILDING AND ROOFING PAPER AND FABRICATED WOODWORK, AS HEREINAFTER SPECIFIED.

The trade-mark has been continuously used and applied in applicant's business to products, and since dates, as follows: building and roofing paper, since May, 1917; fabricated woodwork, viz., sash, doors, frames, cabinet and stair work, since May, 1917; doorway entrances, since April 27, 1938; frames for doors and windows, since February, 1925; frames for louvers, since July, 1932; porchwork, since February, 1929; fireplace mantels, since August 5, 1938; stair parts, since June, 1932; trim for interior and exterior, since March, 1935; and windows (complete units), since February, 1936.

388,176. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) KABIN BROTHERS INCORPORATED, New York, N. Y. Filed Mar. 28, 1941. Serial No. 442,041.

AQUA - PRUF

FOR HANDBAGS.
Claims use since April, 1939.

388,177. (CLASS 31. FILTERS AND REFIGERATORS.) GIBSON ELECTRIC REFRIGERATOR CORPORATION, Greenville, Mich. Filed Apr. 14, 1941. Serial No. 442,554.

HIGLOSS

FOR REFRIGERATOR CABINETS.
Claims use since Feb. 1, 1940.

TRADE-MARK REGISTRATIONS RENEWED

19,380. **REPRESENTATION OF TWO CLASPED HANDS AND A WREATH.** CARD-BOARD, PAPER, AND ENVELOPES. Registered April 21, 1891. UNION COMPANY, Christiania, and near Skien, Norway. Renewed April 21, 1941, to Aktieselskapet Union (Union Co.), Oslo, and Skien, Norway, a corporation of Norway.

19,585. **LA SUPERFINA.** CIGARS. Registered May 26, 1891. YNOCENCIO ALVAREZ. Re-renewed May 26, 1941, to Sociedad Anónima Romeo y Julieta Fábrica de Tabacos, Habana, Cuba, a corporation of Cuba, assignee.

19,936. **LA CITA.** CIGARS. Registered July 28, 1891. INOCENCIO ALVAREZ. Re-renewed July 28, 1941, to Sociedad Anónima Romeo y Julieta Fábrica de Tabacos, Habana, Cuba, a corporation of Cuba, assignee.

19,947. **AMANTES DE VERONA.** CIGARS. Registered July 28, 1941. INOCENCIO ALVAREZ. Re-renewed July 28, 1941, to Sociedad Anónima Romeo y Julieta Fábrica de Tabacos, Habana, Cuba, a corporation of Cuba, assignee.

141,404. **LIBERTY.** BREAD. Registered April 19, 1921. LIBERTY BAKING CO., Pittsburgh, Pa., a corporation of Pennsylvania. Renewed April 19, 1941.

141,829. **TWO DOGS.** CERTAIN STEELS AND STEEL IN FORMS. Registered May 3, 1921. EASTERBROOK, ALLCARD & CO. LIMITED, Sheffield, England, a British corporation. Renewed May 3, 1941.

141,902. **COLONIAL.** PAINTS, VARNISHES, PUTTY, WOOD-FILLERS, WOOD-STAINS, FLOOR-WAX, PAINT-OILS, WALL-SIZING, AND CALCIMINE. Registered May 3, 1921. COLONIAL WORKS, Brooklyn, N. Y., a corporation of New Jersey. Renewed May 3, 1941.

141,980. **ISING.** CERTAIN NAMED CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. Registered May 3, 1921. THE C. E. ISING CORPORATION, New York, N. Y. Renewed May 3, 1941, to The C. E. Ising Corporation, Flushing, N. Y., a corporation of New York.

142,152. **REPRESENTATION OF A HAND AND SPRING.** CERTAIN NAMED ACCESSORIES FOR MOTOR-CARS AND MOTORCYCLES. Registered May 3, 1921. HERBERT TERRY & SONS, LTD., Redditch, England, an organized company of Great Britain. Renewed May 3, 1941.

142,301. **REPRESENTATION OF A KEYSTONE.** MALLEABLE-IRON CASTINGS. Registered May 10, 1921. THE MARION MALLEABLE IRON WORKS, Marion, Ind. Renewed May 10, 1941, to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois, successor.

142,554. **KITTEN'S EAR.** SILK, ARTIFICIAL SILK, WOOLEN, COTTON, AND LINEN FABRICS IN THE PIECE. Registered May 17, 1921. HAAS BROTHERS FABRICS CORPORATION, New York, N. Y., a corporation of New York. Renewed May 17, 1941.

142,740. **PRINCESS PAT.** CORSETS. Registered May 17, 1921. PARISIAN CLOAK CO. Renewed May 17, 1941, to Harzfeld's, Inc., Kansas City, Mo., a corporation of Missouri, by change of name.

143,030. **RALEIGH HABERDASHER.** CERTAIN ARTICLES OF CLOTHING. Registered May 24, 1921. CLARENCE W. GROSNER. Renewed May 24, 1941, to Raleigh Haberdasher, Inc., Washington, D. C., a corporation of the District of Columbia, assignee.

143,639. **HECKERS' JIGGTIME.** PREPARED CAKE-FLOUR. Registered June 7, 1921. HECKER CEREAL COMPANY. Renewed June 7, 1941, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

144,159. **ABBOTT.** FLINT, GARNET, AND EMERY PAPER AND CLOTH. Registered June 28, 1921. AMERICAN GLUE COMPANY, Boston, Mass. Renewed June 28, 1941, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware, assignee by mesne assignments.

144,175. **W B.** LOCKS. Registered June 28, 1921. WILSON BOHANNAN, INC., Brooklyn, N. Y. Renewed June 28, 1941, to The Wilson Bohannan Company, Marion, Ohio, a corporation of Ohio, successor.

144,176. **W B.** LOCKS. Registered June 28, 1921. WILSON BOHANNAN, INC., Brooklyn, N. Y. Renewed June 28, 1941, to The Wilson Bohannan Company, Marion, Ohio, a corporation of Ohio, successor.

144,210. **PULVULES.** CERTAIN NAMED MEDICINAL PREPARATIONS. Registered June 28, 1921. THE ELI LILLY AND COMPANY. Renewed June 28, 1941, to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana, by change of name.

144,252. **COMFORT LINE.** COUCH-HAMMOCKS. Registered June 28, 1921. NEW ENGLAND BEDDING COMPANY, Boston, Mass. Renewed June 28, 1941, to New England Bedding Company, Medford, Mass., a corporation of Massachusetts.

144,253. **N J.** SPECTACLE AND EYEGLASS FRAMES AND MOUNTINGS. Registered June 28, 1921. NEW JERSEY OPTICAL CO., Newark, N. J. Renewed June 28, 1941, to New Jersey Optical Co., Irvington, N. J., a corporation of New Jersey, assignee by mesne assignments.

144,350. **STRONGBOW.** THREADS OF FLAX, HEMP, TOW, AND RAMIE OR CHINA-GRASS. Registered July 5, 1921. THE BLACKSTAFF FLAX SPINNING & WEAVING CO., LIMITED, Belfast, Ireland. Renewed July 5, 1941, to The Blackstaff Flax Spinning & Weaving Co., Ltd., Belfast, Northern Ireland, a British company.

144,382. **PRESTO.** CERTAIN TOOLS FOR HAND AND MACHINE USE. Registered July 5, 1921. EASTERBROOK, ALLCARD & CO. LIMITED, Sheffield, England, a British corporation. Renewed July 5, 1941.

144,904. **DOS LEONES.** CERTAIN NAMED PAINTS AND PIGMENTS. Registered July 19, 1921. THOMAS HUBBUCK & SON, LIMITED, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed July 19, 1941.

145,043. **THE BLACKSTAFF, ETC.** THREADS OF FLAX, HEMP, TOW, AND RAMIE OR CHINA-GRASS. Registered July 26, 1921. THE BLACKSTAFF FLAX SPINNING & WEAVING COMPANY, LIMITED, Belfast, Ireland. Renewed July 26, 1941, to The Blackstaff Flax Spinning & Weaving Co., Ltd., Belfast, Northern Ireland, a British company.

145,093. **EVERTITE.** BOILER-SETTING CEMENT AND GLASS-SETTING CEMENT OR CEMENT PUTTY. Registered July 26, 1921. THE EXCELLO MANUFACTURING COMPANY. Renewed July 26, 1941, to J. M. Aarons, Cleveland, Ohio, assignee.

145,392. **KOW KUD.** DAIRY FEED. Registered August 2, 1921. JOSEY MILLER CO. Renewed August 2, 1941, to Josey-Miller Company, Inc., Beaumont, Tex., a corporation of Texas, assignee.

145,422. **KORN KRISP.** CEREAL BREAKFAST FOOD. Registered August 2, 1921. KELLOGG TOASTED CORN FLAKE CO. Renewed August 2, 1941, to Kellogg Company, Battle Creek, Mich., a corporation of Delaware, assignee.

145,539. **BRECHT—MAKES LIFE SWEETER.** CANDIES. Registered August 9, 1921. THE BRECHT CANDY CO., Denver, Colo., a corporation of Colorado. Renewed August 9, 1941.

145,764. **COMLINE.** CASKETS AND COFFINS. Registered August 16, 1921. NORTH ST. PAUL CASKET COMPANY, North St. Paul, Minn. Renewed August 16, 1941, to St. Paul Casket Company, St. Paul, Minn., a corporation of Minnesota, by change of name.

146,002. **SUM-RIZER.** SELF-RISING WHEAT-FLOUR. Registered August 23, 1921. J. ALLEN SMITH & CO. Renewed August 23, 1941, to J. Allen Smith & Company, Knoxville, Tenn., a corporation of Maine.

146,111. **KAYTONIK.** A MEDICINAL PREPARATION TAKEN AS A TONIC FOR BUILDING UP THE HUMAN SYSTEM. Registered August 30, 1921. JOSEPH P. KAYATTA, Providence, R. I. Renewed August 30, 1941.

146,223. **CREST BRAND.** CERTAIN ARTICLES OF CLOTHING. Registered September 6, 1921. WM. FILENE'S SONS COMPANY, Boston, Mass., a corporation of Massachusetts. Renewed September 6, 1941.

146,355. **THIRSTY FIBRE.** PAPER TOWELS AND PAPER NAPKINS. Registered September 6, 1921. SCOTT PAPER COMPANY. Renewed September 6, 1941, to Scott Paper Company, Chester, Pa., a corporation of Pennsylvania, assignee.

146,619. **TOASTY TOP.** BREAD. Registered September 13, 1921. WARD BAKING COMPANY, New York, N. Y., a corporation of New York. Renewed September 13, 1941.

146,788. **FRU-NUT.** CANDY. Registered September 20, 1921. KING CANDY COMPANY, Fort Worth, Tex., a corporation of Texas. Renewed September 20, 1941.

146,827. **NUFLAKE.** A VEGETABLE SHORTENING. Registered September 20, 1921. THE NUCOA BUTTER COMPANY. Renewed September 20, 1941, to The Best Foods, Inc., New York, N. Y., a corporation of Delaware, assignee.

146,847. **PEMCO.** VITREOUS AND PORCELAIN ENAMELS. Registered September 20, 1921. THE PORCELAIN ENAMEL AND MANUFACTURING COMPANY OF BALTIMORE, Baltimore, Md., a corporation of Maryland. Renewed September 20, 1941.

146,906. **PANOMALT.** MALT EXTRACT. Registered September 20, 1921. THE WANDER COMPANY. Renewed September 20, 1941, to The Wander Company, Chicago, Ill., a corporation of Delaware, assignee.

146,945. **FRAISIA.** ROUGE. Registered September 27, 1921. F. R. ARNOLD & CO. Renewed September 27, 1941, to Dorin, Inc., New York, N. Y., a corporation of New York, assignee.

147,122. **CARMINROSA.** COAL-TAR COLORS. Registered October 4, 1921. H. KOHNSTAMM & CO. Renewed October 4, 1941, to H. Kohnstamm & Co. Inc., New York, N. Y., a corporation of New York, assignee.

147,123. **PHLOXALINE.** COAL-TAR DYES. Registered October 4, 1921. H. KOHNSTAMM & CO. Renewed October 4, 1941, to H. Kohnstamm & Co. Inc., New York, N. Y., a corporation of New York, assignee.

147,148. **TRIMONT.** BINDER-TWINE. Registered October 4, 1921. PLYMOUTH CORDAGE COMPANY, Plymouth, Mass. Renewed October 4, 1941, to Plymouth Cordage Company, North Plymouth, Mass., a corporation of Massachusetts.

147,184. **PANOMALT.** BARLEY-MALT EXTRACT. Registered October 4, 1921. THE WANDER COMPANY. Renewed October 4, 1941, to The Wander Company, Chicago, Ill., a corporation of Delaware, assignee.

147,357. **MAY KNIT.** SWEATERS, BATHING-SUITS, DRESSES, AND SKIRTS. Registered October 11, 1921. MAY KNITTING CO., INC., New York, N. Y., a corporation of New York. Renewed October 11, 1941.

147,454. **KELLOGG'S.** CEREAL BREAKFAST FOODS. Registered October 18, 1921. KELLOGG TOASTED CORN FLAKE COMPANY. Renewed October 18, 1941, to Kellogg Company, Battle Creek, Mich., a corporation of Delaware, assignee.

147,455. **KELLOGG'S TOASTED RICE BUBBLES.** CEREAL BREAKFAST FOODS. Registered October 18, 1921. KELLOGG TOASTED CORN FLAKE COMPANY. Renewed October 18, 1941, to Kellogg Company, Battle Creek, Mich., a corporation of Delaware, assignee.

147,456. **KELLOGG'S.** PEANUT-BUTTER. Registered October 18, 1921. KELLOGG TOASTED CORN FLAKE CO. Renewed October 18, 1941, to Kellogg Company, Battle Creek, Mich., a corporation of Delaware, assignee.

147,457. **KELLOGG'S.** TEA AND COFFEE. Registered October 18, 1921. KELLOGG TOASTED CORN FLAKE CO. Renewed October 18, 1941, to Kellogg Company, Battle Creek, Mich., a corporation of Delaware, assignee.

147,458. **KELLOGG'S.** FLAKED CEREAL FOODS. Registered October 18, 1921. KELLOGG TOASTED CORN FLAKE CO. Renewed October 18, 1941, to Kellogg Company, Battle Creek, Mich., a corporation of Delaware, assignee.

147,466. **F. W. S.—S.** REPLACEMENT PARTS FOR SPEEDOMETERS. Registered October 18, 1921. F. W. STEWART MANUFACTURING CORPORATION, Chicago, Ill., a corporation of Illinois. Renewed October 18, 1941.

REISSUES

JUNE 10, 1941

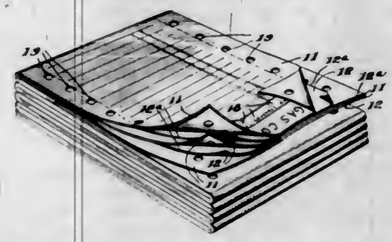
21,822

MANIFOLDING

Carl W. Brenn, Montclair, N. J., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey

Original No. 2,067,376, dated January 12, 1937, Serial No. 401,897, October 23, 1929, which is a division of Serial No. 335,402, January 28, 1929. Application for reissue March 6, 1940, Serial No. 322,631

21 Claims. (Cl. 282—12)



1. A manifolding pile comprising a plurality of superposed continuous work sheet strips; and a continuous carbon sheet strip of the same length interposed between each two adjacent work sheet strips, the work sheet strips having at each side margin a row of circular holes, and the carbon sheet strips being of such width that each side edge thereof is tangent to the holes of the adjacent row of holes in the work sheet strips.

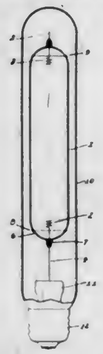
21,823

ELECTRIC DISCHARGE LAMP

Laurence Burns, Swampscott, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts

Original No. 2,061,892, dated November 24, 1936, Serial No. 758,406, December 20, 1934. Application for reissue November 23, 1938, Serial No. 242,048

4 Claims. (Cl. 176—122)



1. A vapor discharge lamp comprising a pair of spaced electrodes immersed in a vapor adapted to sustain an arc-like discharge therebetween, having the greatest visual effect in the green and yellow radiations, and means for conserving the heat of the arc including an enclosing envelope of borosilicate glass having incorporated therein a small percentage of ferrous oxide and tin to increase the absorption of the infra-red and ultraviolet radiations while allowing the yellow and green radiations to pass.

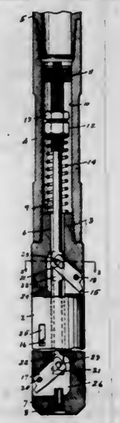
21,824

AN APPARATUS FOR AND A METHOD OF CUTTING PIPE

George A. Lowrey, Houston, Tex., assignor, by mesne assignments, to Sosthene Robichaux and George J. Barrett, both of Harris County, Tex.

Application March 9, 1940, Serial No. 323,212

16 Claims. (Cl. 164—0.8)



5. A tool for removing a section of pipe in a well bore comprising a cutter head adapted to be connected to an operating string, an outwardly movable cutter thereon terminating in an outwardly directed bit, means for moving the cutter outwardly whereby the bit will penetrate and sever the pipe upon rotation of the tool, said cutter having a downwardly directed cutting edge arranged to operate on the upper end of the lower severed portion of the pipe and effective to completely cut away and remove a section of said lower portion and to leave the corresponding portion of the bore formation exposed and means within the tool for holding the cutter in position to support the weight of the string thus maintaining said edge in cutting relation with said upper end upon subsequent rotation and downward movement of the tool.

21,825

STORE FURNITURE

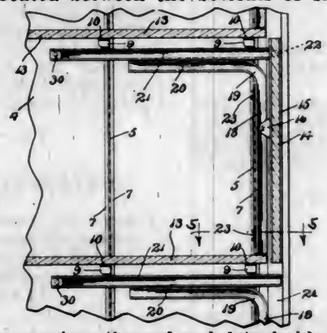
Paul G. Williams and Kenneth C. Welch, Grand Rapids, Mich., assignors to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan

Original No. 2,208,237, dated July 16, 1940, Serial No. 288,722, August 7, 1939. Application for reissue February 19, 1941, Serial No. 379,737

17 Claims. (Cl. 312—156)

17. In a construction of the class described, a cabinet having a bottom, top and vertical ends,

each of said ends at its inner side having a plurality of spaced parallel vertical narrow slots therein, the depths of which greatly exceed their widths, said slots being of less depth than the thickness of the ends, vertically spaced horizontal supporting elements between the sides of the slots located between the bottoms of said slots



and the openings thereof and detachable and interchangeable fixtures adjustably and interchangeably mounted on said ends of the cabinet at the inner sides thereof having flat vertical portions extending into said slots and detachably connecting with selected supporting elements, as specified.

PLANT PATENTS

GRANTED JUNE 10, 1941

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

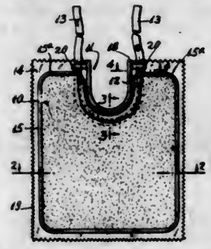
474
APPLE
Ingermar Emil Soderlund, Excelsior, Minn.
Application July 20, 1939, Serial No. 285,587
1 Claim. (Cl. 47—62)

An apple variety substantially as herein shown and described, characterised by the fruit's excellent quality, roundish conic shape, bright medium red color, red striped and splashed on the surface of the apple with some yellow ground color showing through, thin but tough skin carrying russet dots distributed over the surface thereof, and yellowish, firm, tender, medium fine grained, juicy, pleasantly mild sub-acid flesh.

PATENTS

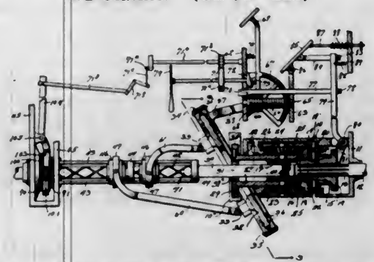
GRANTED JUNE 10, 1941

2,244,656
CHILD'S BIB
Sunny Asch, New York, N. Y.
Application November 9, 1939, Serial No. 303,502
5 Claims. (Cl. 2—49)



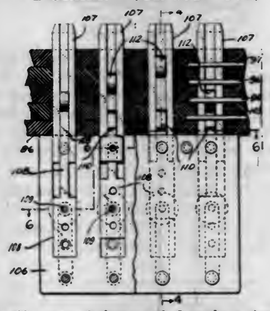
5. A child's bib, comprising a front sheet of moisture absorbent cloth material formed with a neck cutout having its edge bent rearwards, a strip of tape having a U-shaped cross-section and having its layers disposed on and secured to the front and rear faces of the edge portion of said sheet of material except at said neck cutout, said tape having both its layers disposed behind said sheet of material at said neck cutout and its rearmost layer attached to the back face of said sheet of material beneath said rearwardly bent edge, a strip of moisture absorbent cloth material doubled upon itself and having the free ends of its layers disposed between the adjacent faces of said rearwardly bent edge and said tape and the junction of its arms projected forwards forming a collar, and means for securing together the edge of said neck cutout, the free ends of the layers of said strip of material and the layers of said tape as a unit, comprising a line of stitches engaged through these parts.

2,244,657
POWER TRANSMISSION MECHANISM
William Brown Bell, San Juan, P. R., assignor to Progress, Incorporated, a corporation of Puerto Rico
Application August 29, 1939, Serial No. 292,476
24 Claims. (Cl. 74—112)



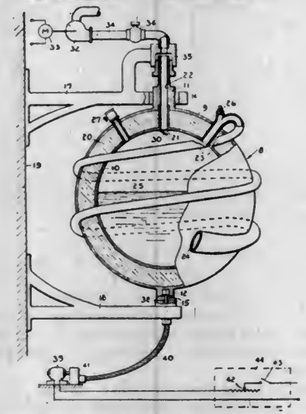
1. A change speed transmission gear, including coupled driving and driven shafts, arranged to have independent rotation, the driven shaft having two intersecting spiral grooves of different hand, a traveler on the driven shaft, the traveler including means for alternately engaging the spiral grooves to cause a continuous rotary movement of the shaft by a reciprocation of the traveler, and rotary means coaxial with and freely rotatable about the driven shaft and driven by the driving shaft which is constructed and arranged to translate rotary motion of the driving shaft into reciprocatory motion of the traveler to effect turning of the driven shaft.

2,244,658
CONTROLLING MECHANISM FOR RADIO SETS
Emile Brugger, Valley Stream, N. Y.
Application June 23, 1937, Serial No. 149,813
1 Claim. (Cl. 175—301)



In a radio receiving set having tuning mechanism and a panel board, in combination, a plurality of station selecting members, a determinator of unitary structure, and means carried thereby to cooperate simultaneously with a plurality of station selecting members.

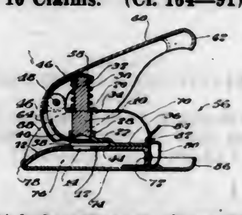
2,244,659
APPARATUS FOR ENRICHING AIR
Jesse G. M. Bullowa, New York, and Herman D. Ratish, Brooklyn, N. Y.
Application May 23, 1939, Serial No. 275,211
16 Claims. (Cl. 128—191)



1. A liquid oxygen vaporizer comprising a container, bearings supporting said container for rotation about a substantially vertical axis, means for rotating the container about said axis to

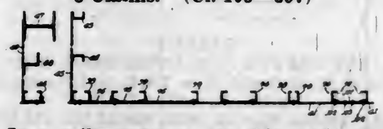
augment the rate of evaporation of the liquid oxygen within the container, and a gas delivery outlet through which gas is supplied from the container while rotating about said vertical axis.

2,244,660
PUNCH
John A. Carpenter, West Newton, Mass., assignor to New England Paper Punch Company, Natick, Mass., a corporation of Massachusetts
Application May 18, 1939, Serial No. 274,374
10 Claims. (Cl. 164—91)



1. A multi-hole paper punch comprising a plurality of vertically and yieldable supported punch members, a punch plate having a plurality of holes with which said punch members are adapted to cooperate and a pivotally mounted cam member having a concave portion directly engageable with the top of each of said yieldable mounted punch members and arranged to depress the latter when rocked in a direction away from the paper receiving end of the punch whereby the punch may be operated while held in the hand.

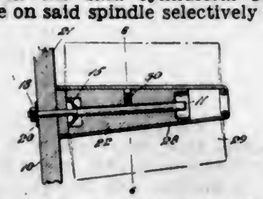
2,244,661
RAILWAY CAR
Andrew Christianson, Hammond, Ind., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application June 3, 1938, Serial No. 211,630
3 Claims. (Cl. 105—397)



3. In a railway car, a car side made up of a plurality of vertical side posts, two adjoining ones of which have flanges in the same plane and facing each other, a splice plate extending between the two adjoining posts in the plane of the flanges and overlapping the inner faces of the flanges, and side sheets held in flush abutting engagement against the outer faces of the flanges of the posts with the line of abutment intermediate the flanges, and means for securing the splice plate to the sheets through the overlapped portions of the plate and the flanges and through the portions of the plate which do not overlap the flanges.

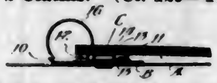
2,244,662
PACKAGE HOLDER
Joseph E. Cushman, Stonington, Conn., and Howard E. Kuehn, Hopkinton, R. I., assignors to Atwood Machine Company, a corporation of Connecticut
Application February 17, 1941, Serial No. 379,252
2 Claims. (Cl. 242—134)

2. A package holder comprising a spindle, a member having a cylindrical surface mounted on said spindle adjacent its supported end, a second member having a conical surface with a small end and a large end, the latter being the same diameter as the said cylindrical surface and mountable on said spindle selectively with either



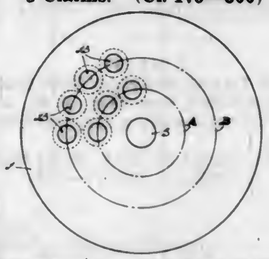
its large or small end toward said first member, and means to bind the second member on said spindle.

2,244,663
BINDER
Henry T. Adams, Chicago, Ill.
Application February 29, 1940, Serial No. 321,559
2 Claims. (Cl. 129—1)



2. In a binder, a back strip equipped with spaced rows of locking tongues and with an arcuate edge, a prong member equipped with flanges releasably engaging said tongues, and arcuate prongs carried by said prong member and having free ends terminating inside and adjacent the arcuate edge of said back strip.

2,244,664
METHOD OF BUILDING UP STRATIFIED ELECTRODE SYSTEMS
Nicolaas Willem Hendrik Addink, Roelof Dirk Bügel, and Willem Christiaan van Geel, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application November 14, 1939, Serial No. 304,422
In Germany November 17, 1938
3 Claims. (Cl. 175—366)

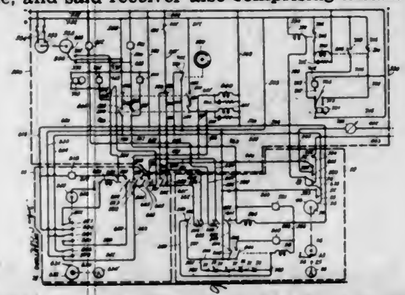


1. In the manufacture of a stratified electrode system, the steps of applying a quantity of a material at the central portion of a plate, rotating the plate to centrifugally distribute the material in a layer thereon, and cutting a plurality of members from the coated plate at equal distances from the center of rotation of the plate.

2,244,665
METHOD AND MEANS FOR TRANSMITTING AND INDICATING INFORMATION
John C. Allen, Tuckahoe, and Nicholas V. Fedotoff, Lynbrook, N. Y., assignors to Technigraph, Inc., New York, N. Y., a corporation of New York
Application January 23, 1937, Serial No. 122,088
19 Claims. (Cl. 177—353)

19. In combination, a transmission line, means

for transmitting values of a variable over said line, means for transmitting values of another variable over said line, cyclically operable means controlling the periods during which the respective variables may be transmitter, a receiver comprising separate means for indicating the respective variables, said receiver comprising means responsive to the termination of the transmitting cycle for one of said variables for conditioning the indicator for the other of said variables for operation from said transmission line, and said receiver also comprising means re-



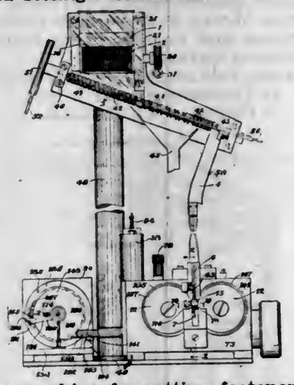
sponsive to the termination of the transmitting cycle for said other of said variables for conditioning the indicator for the first of said variables for operation from said transmission line, means for enabling transmission of a value of either variable, initiated before termination of the transmitting cycle for said variable, to be completed after termination of said cycle, and means responsive to said termination of transmission for conditioning the indicator for the other variable for operation from the transmission line.

2,244,666
MANUFACTURE OF MODIFIED ORGANIC ISOCOLLOID MATERIALS
László Aüer, Mansfield, Mass., assignor to J. Randolph Newman, Washington, D. C., as trustee
No Drawing. Application January 31, 1938, Serial No. 188,014. In Hungary May 19, 1926
16 Claims. (Cl. 260—407)

1. In the manufacture of bodied products from organic isocolloids containing unsaturated carbon compounds, the improved process which comprises mixing a partially bodied organic isocolloid containing unsaturated carbon compounds and having a relatively high concentration of dispersed phase, with a modifying agent capable of facilitating the bodying of said isocolloid and of modifying the properties thereof, and then heating the mixture to temperatures sufficient to further body and modify the partially bodied isocolloid until a modified, heat-bodied product is obtained, said modifying agent being a metal-free organic polar compound comprising within the molecule an acidic inorganic residue and an organic residue.

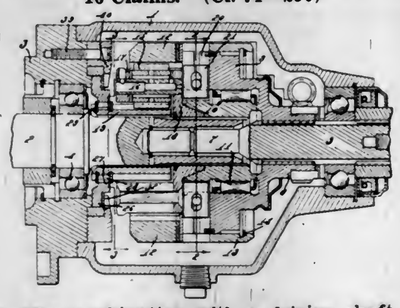
2,244,667
MACHINE FOR MAKING FASTENERS
Frederick Dunlevy Banning, Cleveland, Ohio, assignor to Talon, Inc., a corporation of Pennsylvania
Application September 22, 1937, Serial No. 165,089
16 Claims. (Cl. 153—1)

1. In a machine for feeding fastener elements and the like, a hopper for said elements, means to orient said elements and to feed the same to a setting mechanism, means to set said elements on a tape, means to clamp said elements to said tape, means to feed the tape between successive setting operations, counting means adapted to count the elements so set and to alter the feed after a predetermined number of elements have been set, and means to render said counting means inoperative when an element is missing from said setting mechanism.



4. In a machine for setting fastener elements and the like having projecting heads and tape gripping jaws, setting mechanism adapted to set elements in spaced position on a tape, a supply hopper for said elements, orienting means for orienting elements in said hopper, feed means for feeding oriented elements from said hopper to said setting mechanism, said feed means comprising a screw conveyor having helical grooves adapted to receive the heads of said elements and a guide bar extending axially of said conveyor and positioned with respect thereto so as to cause elements to be carried along by said conveyor with their heads in said helical groove and said gripping jaws depending in aligned vertical relationship, and a feed chute adapted to receive said elements from the discharge end of said conveyor and to feed same to said setting mechanism.

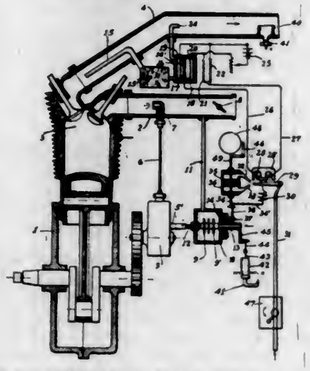
2,244,668
PLANETARY GEAR DRIVE
William B. Barnes, Muncie, Ind., assignor to Barnes Motor Developments Company, Muncie, Ind., a partnership composed of said William B. Barnes and Freda Arthur Barnes
Application July 18, 1938, Serial No. 219,728
16 Claims. (Cl. 74—290)



1. The combination with a driving shaft and a driven shaft, of a planetary gearing for establishing driving connection between said shafts, including a sun gear, releasable means for holding said sun gear against rotation, and means

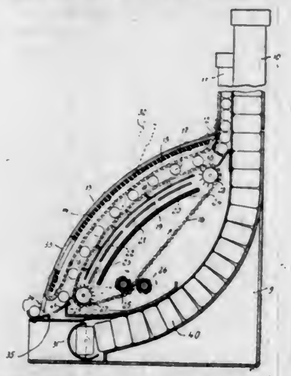
moved into operative position by the rotation of said sun gear, when released, for preventing re-engagement of said holding means during the continued rotation of said sun gear.

2,244,669
CONTROL DEVICE FOR THE FUEL FEED OF INTERNAL COMBUSTION ENGINES
Ewald Becker, Berlin-Steglitz, Germany, assignor to Askania-Werke A. G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau, a corporation of Germany
Application July 30, 1937, Serial No. 156,572
In Germany August 1, 1936
4 Claims. (Cl. 123—140)



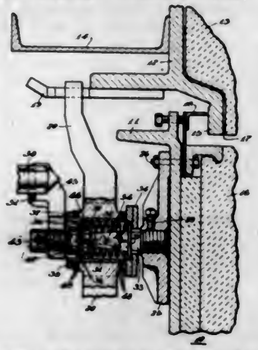
1. The combination in an internal combustion engine having an air throttle valve in the air intake manifold, of fuel quantity control means regulated by a device responsive to the pressure in the intake manifold on the engine side of the air throttle valve, and means for adjusting the pressure responsive device so as to modify its effect on the fuel control means, said adjusting means being responsive to variations in the composition of the exhaust gases.

2,244,670
COOKING AND VENDING MACHINE
Edward L. Benedict, New York, N. Y.
Application October 30, 1939, Serial No. 301,878
19 Claims. (Cl. 53—5)



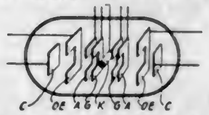
2. A dispensing and cooking device for frankfurters which comprises means for conveying and rotating said frankfurters comprising a stationary flexible pad and a travelling belt.

2,244,671
COKE-OVEN DOOR MECHANISM
Ragnar Berg and Gustaf Edwin Salkvist, Pittsburgh, Pa., assignors to Koppers Company, a corporation of Delaware
Application December 23, 1936. Serial No. 117,270
10 Claims. (Cl. 202—248)



9. In a coking chamber having a door for closing said chamber against the atmosphere, mechanism for closing said door and retaining said door latched in closed position, comprising a latch-bar shiftably mounted by resilient means with respect to said door, the provision of a resilient compressible member, and means for compressing it, disposed in such relation to said latch-bar and said door that said member is adapted by its compression to exert pressure on said latch-bar in a direction away from said door and maintain resilient sealing pressure between the door and the frame, and adapted by its expansion, when relieved of compression by said compression means, to relieve said pressure on the latch-bar.

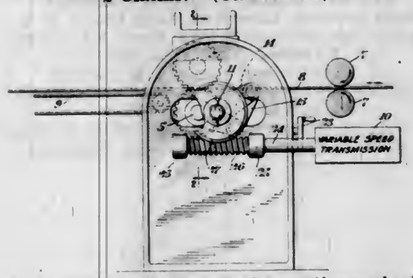
2,244,672
OSCILLATORY DISCHARGE TUBE
George Fairburn Brett, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application February 15, 1938, Serial No. 190,545
In Great Britain February 20, 1937
4 Claims. (Cl. 250—27.5)



1. An electron discharge tube for an oscillation generator of the retarding field type comprising an electron gun including a cathode, a control electrode adjacent thereto and an accelerator anode adjacent the control electrode and on the side thereof remote from said cathode, said electrodes in combination constituting means operative when suitably polarized for producing a jet of electrons; an oscillator electrode having a single orifice therein through which said jet is to be projected; a retarding electrode toward which said jet is to be projected; said oscillator electrode being adapted to be maintained at a positive potential with respect to the retarding electrode and also with respect to a point in the electron path which may be regarded as the location of a virtual cathode; said oscillation generator tube constituting means for generating oscillations by the action of electrons which are retarded by the field of said retarding

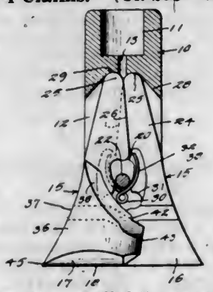
electrode and oscillate back and forth through the orifice of said oscillator electrode before being collected thereby.

2,244,673
CUTTING MACHINE
Hobart W. Bruker, Bordentown, N. J., assignor to George W. Swift, Jr. Inc., Bordentown, N. J., a corporation of New Jersey
Application January 20, 1938, Serial No. 185,837
2 Claims. (Cl. 164—66)



1. A cutting machine of the continuously driven type including a cutter constructed to have at the time of cutting a component of motion in the direction of travel of the material being cut, and an actuating machanism for said cutter including rotary driving and driven members, a link pivotally connected to each of said driving and driven members at points spaced from their respective axes of rotation, a normally stationary support rotatably carrying one of said rotary members, said support however being slidably mounted for movement in a path transverse to the axes of rotation of said rotary members to vary the distance between such axes of rotation and thereby regulate the cutting speed of the cutter, mechanism for positioning said support in various positions in said path, the above mentioned parts of the machine being constructed and arranged to afford adjustment of said support while the machine is running, and a rotary power transmitting member rotatable about a fixed axis which is connected to the aforesaid movable rotary member by gearing constructed and arranged to maintain power transmitting connection between said last mentioned members upon sliding movement of said support from one position to another.

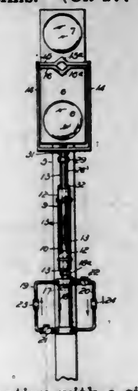
2,244,674
EXPANDING DRILL
Carl S. Cady, Palouse, Wash., assignor to Fitsum Mining Company, Potlatch, Idaho
Application March 25, 1940, Serial No. 325,860
4 Claims. (Cl. 255—78)



1. An expansion drill bit comprising a shank

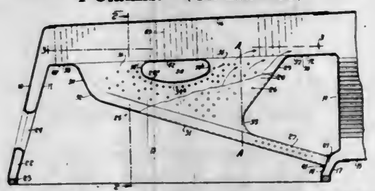
provided with a bifurcated lower end forming a pair of spaced supporting arms, a pin secured to and engaging between said arms for holding said arms against spreading, a pair of cutter members engaging between said arms, each of said cutter members comprising a lower blade and an upwardly tapering lever formed therewith and terminating at its upper end in a rounded head, each lever adjacent the lower end thereof being formed with a recess to receive said pin, said recess having an arcuate upper seat portion and a downwardly and inwardly inclined substantially straight portion, said pin engaging with said recess, and a spring engaging said levers and constantly urging said levers to a blade retracting position.

2,244,675
TRAFFIC CONTROL SIGNAL
Carleton W. Campbell, Denver, Colo., assignor to Charles E. Borrer, Denver, Colo.
Application October 5, 1937, Serial No. 167,384
3 Claims. (Cl. 177—337)



1. The combination with a signaling device inclusive of two stationary alternately illuminated signal lamps, of a timing signal mounted to move back and forth between the stationary lamps and having means to indicate the direction of its travel, and means to effect said movement of the timing signal.

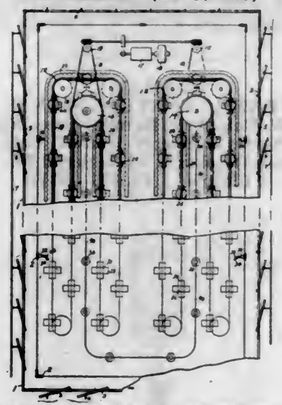
2,244,676
THERMIC SIPHON
Gust J. Christenson, Chicago, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware
Application January 3, 1939. Serial No. 248,977
4 Claims. (Cl. 122—68)



2. In a firebox of the locomotive boiler type having a crown sheet, a longitudinally positioned water wall in the firebox including a mainly flat hollow body, means providing at least one opening of substantial area through the upper central portion of the body adjacent the crown sheet to provide a plurality of longitudinally spaced outlets for said body, which are welded

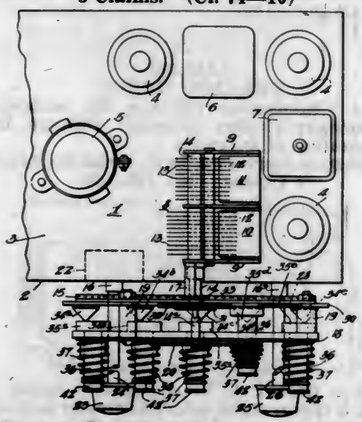
in and open through the crown sheet into the steam and water space of the boiler above said crown sheet, and a tubular inlet neck connecting the bottom portion of the body with the boiler water space in the lower part of the boiler.

2,244,677
SYSTEM OF PLANT PRODUCTION
Fay D. Cornell, Pasadena, Calif.
Application July 6, 1937, Serial No. 152,007
Renewed May 21, 1940
45 Claims. (Cl. 47—17)



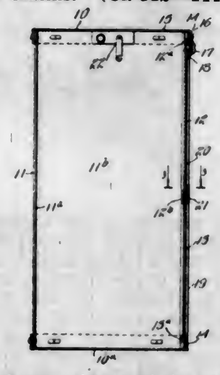
1. In a system of plant production, conveyors, plant receptacles held suspended from said conveyors, means for circulating said conveyors with the said receptacles, and means for rotating the receptacles on a vertical axis in timed relation to the movement of the conveyors.

2,244,678
AUTOMATIC TUNING MECHANISM
Frederick L. Creager, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 24, 1937, Serial No. 165,469
5 Claims. (Cl. 74—10)



1. In a radio apparatus, an element to be tuned, a rotor shaft on which said element is mounted, driven means connected to said shaft, a plurality of preset adjustable stops on said driven means and through which a driving force for rotating said shaft may be applied to said driven means, and a movable stop engaging member for applying said driving force mounted adjacent each stop, said stops and stop engaging members comprising male and female elements, the opening in each female element being of a diameter sufficient to permit the entrance therein of its male element irrespective of the position to which said driven means may be moved.

2,244,679
DOUBLE SLIDING-DOOR CABINET
Harry Derman, Laureiton, Long Island, N. Y.
Application January 3, 1939, Serial No. 248,933
2 Claims. (Cl. 312—144)

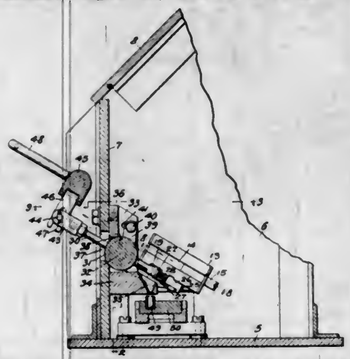


1. A knockdown cabinet of the class described comprising a unitary back and side wall part, top and bottom wall parts arranged upon and secured to the first named part in forming an elongated cabinet, means at the forward edges of the side walls of the first named part forming single guide channels extending the full height of the cabinet, the top wall part including a downwardly projecting front wall flange overlying the upper ends of said channels, upper and lower door panels slidably mounted in the single guide channels, the inner surface of the lower door being disposed directly upon the outer surface of the upper door, a reinforcing rail arranged upon the outer surface of the upper end portion of each door, interengaging means between the rail of the upper door and the flange of the top wall for supporting the upper door in raised position, means on the inner surface of the lower end portion of each door for reinforcing the same, the last named means of the top door being arranged inwardly of and spaced from the reinforcing rail at the upper end of the bottom door when both doors are in closed position, the rail of the lower door being disposed substantially midway of the cabinet when the lower door is in closed position and forming a finger piece facilitating convenient raising and lowering of the lower door, and the upper edge of the top door proper protruding upwardly within the front flange of the top wall of the cabinet when the upper door is in closed position.

2,244,680
METHOD FOR PREPARING PROTEIN MATERIALS
Andrew G. Engstrom and Arthur A. Levinson, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
Application June 8, 1938, Serial No. 212,607
8 Claims. (Cl. 260—112)

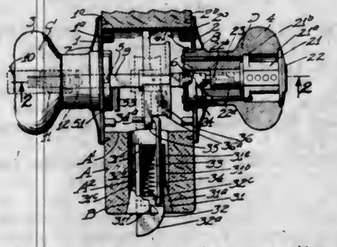
1. The process of treating protein material which comprises mixing a water wet protein with a water miscible high boiling organic solvent having a boiling point higher than water, evaporating substantially all of the water from the mixture without substantial evaporation of the high boiling solvent, mechanically separating the bulk of the high boiling solvent from the mixture, and removing the remainder of the high boiling solvent from the protein, the amount of high boiling solvent being sufficient to permit evaporation of substantially all of the water.

2,244,681
CHARGE FORMING APPARATUS
Edward M. Florcyk, Rockaway, N. J.
Application April 8, 1940, Serial No. 328,593
7 Claims. (Cl. 221—98)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



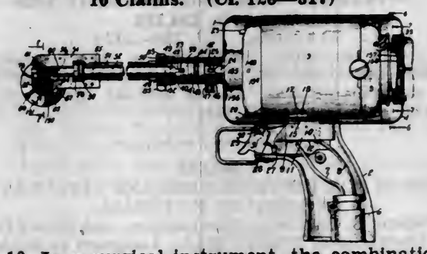
1. In a charge forming apparatus, a support, a container for fluent material trunnioned in the support and having a floor with an outlet adjacent one end, a member carried by the under side of the floor of the container and having a measuring chamber in communication with the outlet, said chamber having an outlet, a closure for the outlet of the chamber, means for moving the closure from the outlet, and means for rocking the container to shift the contents thereof towards and away from the outlet therein.

2,244,682
DOOR LOCK
Harry E. Fendring, Los Angeles, Calif., assignor, by mesne assignments, to California Lock Company, Los Angeles County, Calif., a corporation of California
Application January 27, 1939, Serial No. 253,132
19 Claims. (Cl. 70—153)



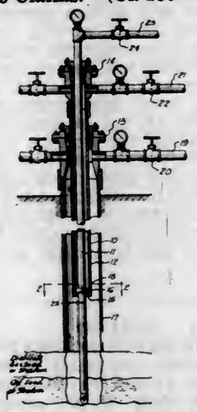
1. In a door lock, a housing, operating members rotatably mounted on but axially fixed at the opposite sides of the housing, a spindle rotatably mounted in the housing and axially reciprocable with respect to the operating members, a bolt reciprocally mounted at right angles to the spindle, means on the spindle for retracting the bolt and to allow free reciprocation of the bolt when the spindle is in one position, stop means in connection with the bolt retracting means and axially shiftable with the spindle to prevent free reciprocation of the bolt when the spindle is axially shifted from said position, and means for positively retaining the spindle in the latter position.

2,244,683
SURGICAL SAW
Samuel Lloyd Fisher, Brooklyn, N. Y.
Application June 11, 1938, Serial No. 213,115
10 Claims. (Cl. 128—317)



10. In a surgical instrument, the combination of a shell, a motor-driven shaft mounted in said shell, a worm on said shaft, a bearing at the outer end of said shell, worm wheel shaft elements journaled in said bearing, a worm wheel associated with said worm wheel shaft elements and in mesh with said worm, hubs on said worm wheel shaft elements, and a pair of rotary saws removably connected to said hubs on opposite sides of said worm wheel for sole or joint use.

2,244,684
MEANS FOR AND METHOD OF FLOWING OIL AND GAS WELLS
Edwin V. Foran, San Antonio, Tex., assignor to Eureka Process Corporation, Tulsa, Okla., a corporation of Delaware
Application July 5, 1939, Serial No. 282,836
5 Claims. (Cl. 166—1)



4. In an apparatus for flowing high pressure oil and gas wells wherein distillate gas at pressures and temperatures within the range of retrograde condensation overlies crude oil, the combination of, means for shutting in the well to

trap gas, an oil string extending up the well from the lower portion of the formation through said means, and a gas string surrounding the oil string and having its upper end extending through said means, the lower end of the gas string terminating a substantial distance above the top of the formation, whereby a gas and oil separation zone between the lower end of said gas string and the top of the oil formation is provided.

2,244,685

PARAFFIN EMULSION

James H. Fritz, Bloomfield, and Ralph M. Beach, Newark, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey

No Drawing. Application October 13, 1938 Serial No. 234,788
13 Claims. (Cl. 252—311)

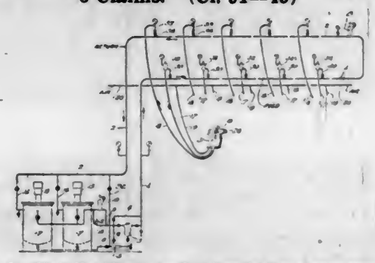
1. An emulsifier comprising a water-soluble soap, substantial amounts of a higher fatty acid, a saponifiable wax, and a mutual solvent for water and fatty materials.

2,244,686

MEANS FOR DISTRIBUTING AND CIRCULATING LIQUID MATERIAL

Frederic G. Garrison, Birmingham, and Alfred W. Christenson, Detroit, Mich., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application December 24, 1938, Serial No. 247,695
3 Claims. (Cl. 91—45)



1. A distributing and circulating system for liquid material comprising a main circuit means including supply and return circuit portions, a material applying device, a cross circuit portion including inlet and outlet ducts respectively connected to said supply and return circuit portions and both connected to said device, a valve connected to said inlet duct and provided with means responsive to the pressure in said inlet duct for controlling the volume of liquid flow from said supply circuit portion to said inlet duct inversely to the pressure in said inlet duct, and a flow control means connected to said outlet duct and including a constantly open passage of such restricted size that the pressure therein is always less than that at the material applying device.

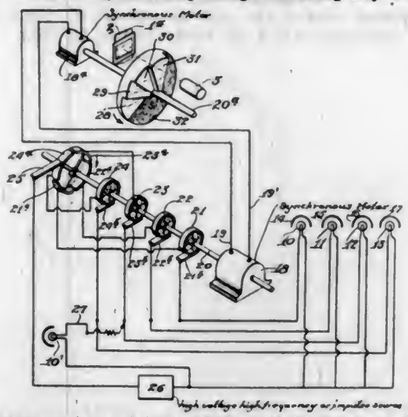
2,244,687

ART OF IMAGE FORMATION

Alfred N. Goldsmith and Harry R. Menefee, New York, William Mayer, Larchmont, and Fritz Kastilan, New York, N. Y., assignors to I-R System, Inc., New York, N. Y., a corporation of New York

Application June 19, 1937, Serial No. 149,078
39 Claims. (Cl. 88—16)

1. In the art of image formation by means of an optical objective, the steps which include creating image-forming ray bundles appurtenant to and identifiable with an object-distance axially from an objective, dioptrically forming such ray bundles and no others into an image section, changing the back focal distance of such image section by shifting the rays of such bundles parallel to the optical axis of the objective converging such rays and thereby effecting the axial displacement of the plane or convergence points of a group of image-forming rays appurtenant to and identifiable with such object distance from the objective, such displacement being along said optical axis and the convergence points of such group retaining substantially the same radial relationship to one another and to the optical axis which such points would have had if undisplaced, creating image-forming ray-bundles appurtenant to and identifiable with a second object distance from the objective, dioptrically forming said second named ray-bundles and no others into an image section complementary to the first image section by converging such bundles to image points without an axial shift of the rays of the last named bundles equal to the shift first specified, such displacement varying the axial spacing between the first named plane and the plane of convergence points of the second named group of image-forming rays originating at a distance from the objective different from the first-named group, and receiving the image points of both such groups upon a surface, the image points of both such groups forming constituents of a composite image substantially devoid of overlay of image points of given object points by circles of confusion from the same object points.



2,244,688

ART OF IMAGE FORMATION AND APPARATUS FOR FORMING IMAGES

Alfred N. Goldsmith and Harry R. Menefee, New York, William Mayer, Larchmont, and Fritz Kastilan, New York, N. Y., assignors to I-R System, Inc., New York, N. Y., a corporation of New York

Application March 16, 1938, Serial No. 196,242
6 Claims. (Cl. 88—16)

4. The combination with a plurality of photo units each including an objective, each unit also including means for systematically axially displacing images formed by its objecitve, and each unit also including means for supporting a sensitive surface to receive images formed by its objective, of groups of light flashers illuminating

respectively regions spaced along the optical axis of the respective objectives, and means for synchronizing the position of one image displacing means with the flashes of one group and the positon of the other image displacing means with the flashes of the other group, said flashes illuminating only one of said regions at a time to

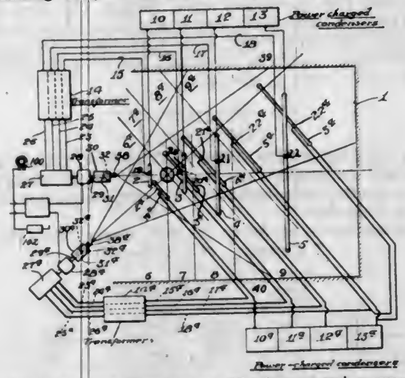


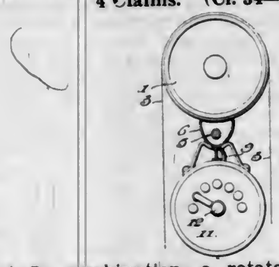
photo intensity the image displacement power of each image displacing means in its several positions being functionally related to the distances of the respective regions illuminated by the flashes synchronized therewith and compensating for the differences in the locations of the regions that are so illuminated.

2,244,689

HEATING ELEMENT

Carl F. Gram, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

Application December 2, 1936, Serial No. 113,876
4 Claims. (Cl. 34—110)



4. In combination, a rotatable cylinder, an electric heating element fixed adjacent said cylinder, and a reflector of conic section partly surrounding the heating element, the cylinder and reflector between them completely surrounding the heating element except for the clearance necessary to permit rotation of the cylinder.

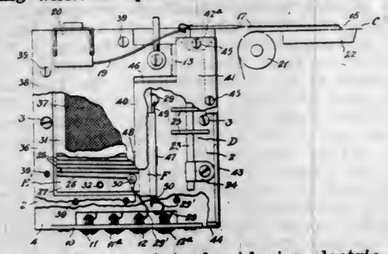
2,244,690

PIEZOELECTRIC DEVICE

Charles K. Gravley and Joseph J. Neff, Cleveland, Ohio, assignors to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio

Application September 11, 1939, Serial No. 294,237
16 Claims. (Cl. 171—327)

1. A piezoelectric transducer including in combination a vibratory mechanical system coupled to an artificially heated piezoelectric unit containing piezoelectric material having substantially the properties of Rochelle salt, said unit having when in operation a temperature above



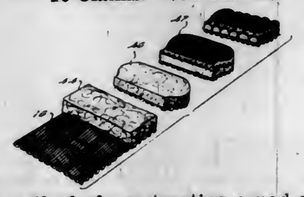
the upper Curie point of said piezoelectric material and below the temperature at which said material becomes piezoelectrically inoperative.

2,244,691

APPARATUS FOR AND METHOD OF SEWING PLAITS

Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware

Application July 23, 1937, Serial No. 155,281
16 Claims. (Cl. 112—2)



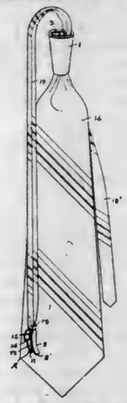
1. A method of constructing a pad embodying the steps, of continuously feeding a backing sheet and padding material, of die stamping units therefrom, of applying a cover material to each of the units, of forming fullness in said cover material, and sewing the unit and material along predetermined lines.

2,244,692

NECKTIE

Harvey C. Hall, Toronto, Ontario, Canada

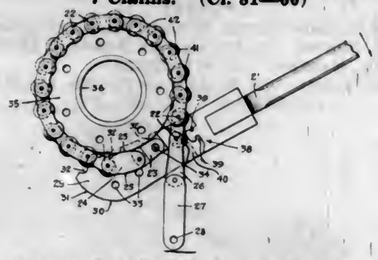
Application May 3, 1940, Serial No. 333,089
4 Claims. (Cl. 2—150)



1. A necktie having in combination a permanent tubular knot structure, a main body portion secured to said knot, a neckband portion slidably adjustable in said tubular knot, means for de-

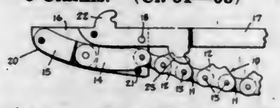
tachably anchoring one end of said neckband portion in said tubular knot, and means forming part of said anchoring means for presenting a resilient smooth clamping contact with the slidably adjusted portion of said neckband within the tubular knot structure to frictionally retain the same in adjusted relation to the knot structure, said anchoring means comprises a spring element of looped formation permanently secured to one end of the neckband and having detachable locking engagement with said knot structure on insertion, said last-mentioned means comprising an integral spring clamping tongue curved downwardly and outwardly for surface-clamping contact only with the slidably adjustable portion of the neckband.

2,244,693
PIPE AND PIPE FLANGE TONGS
Elvin A. Hartung, New London, Conn.
Application October 21, 1938, Serial No. 236,177
7 Claims. (Cl. 81—66)



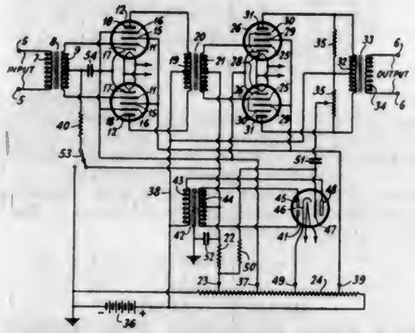
1. A wrench adapted to operate on a pipe flange and comprising a lever; and a flexible articulate member adjustably connected to the lever to embrace the flange and frictionally grip the periphery thereof when tightened against the flange by application of force to the lever, said articulate member being provided on opposite sides thereof with spaced parallel lateral projections overlapping the faces of the flange to prevent the articulate member from slipping laterally off the flange in use, the projections being further spaced apart on one side of said member than on the other so that by reversing the member either of two flanges of different thickness may be closely engaged by the said lateral projections.

2,244,694
PIPE AND PIPE FLANGE TONGS
Elvin A. Hartung, New London, Conn.
Application March 31, 1939, Serial No. 265,079
5 Claims. (Cl. 81—68)



1. In a pipe wrench of the type described, a lever; a pair of flat parallel tines arranged on opposite sides of said lever; toothed jaws formed on said tines; a plurality of interconnected link bars pivoted between said tines adjacent the free ends thereof, said bars extending rearwardly between said tines and substantially filling the space therebetween; a pin having its opposite ends supported by said tines, the free end of said link bars passing over said pin, said link bars cooperating with the toothed jaws formed on said tines to present a substantially solid jaw at one end of said lever; and a chain pivotally connected to the free end of said link bars and adapted to engage the peripheral surface of a pipe, the free end portion adjustably anchored to said lever, the chain and jaws being so formed as to apply a torsional force to the pipe in opposite directions when the lever is operated in opposite directions, said link bars and chain adapted to be threaded forwardly over said pin and passed around the periphery of a flange, the free end portion of the chain being again adjustably anchored to said lever, said link bars and chain adapted to apply a torsional force to the flange when the lever is operated.

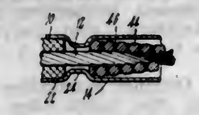
2,244,695
UNSYMMETRIC GAIN CONTROL DEVICE
Jarrett L. Hathaway, Manhasset, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 29, 1938, Serial No. 232,273
7 Claims. (Cl. 179—171)



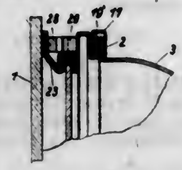
1. A gain control system applicable to a two-stage push-pull discharge tube amplifier, said system comprising a discharge tube having a cathode, a control grid, an anode, and an anode rectifier device adjacent the cathode; a source of direct current operating and biasing potentials common to said amplifier and said tube, a grid biasing circuit connected to the control grids of said push-pull amplifier and to said direct current source, said circuit being branched to the grids of successive stages, means including a time constant device in the biasing circuit branch of the preceding stage for retarding the control action of that stage in relation to the control action on the subsequent stage, a transformer having a primary winding in the output circuit of said discharge tube and a secondary winding the terminals of which are connected in circuit between the cathode and the anode rectifier device of said tube, a connection from said secondary winding to said biasing circuit; and a time constant device included in said biasing circuit between the rectifier device and the cathode of said discharge tube, said time constant device being characterized in that it provides rapid gain reduction and slow gain recovery in said amplifier only in response to audio wave peaks above a given amplitude level as delivered by said amplifier.

2,244,696
END FITTING FOR WIRE
Boyd Hayden, Newton, Mass.
Application May 8, 1939, Serial No. 272,467
3 Claims. (Cl. 24—123)

2. A strand having an abutment element on the end portion thereof, said end portion having a wavy form, said element comprising a coil of wire having a progressively increasing pinching engagement with said end portion and interfitting with the waves thereof, and tension means engaging said element remote from the end of said strand.

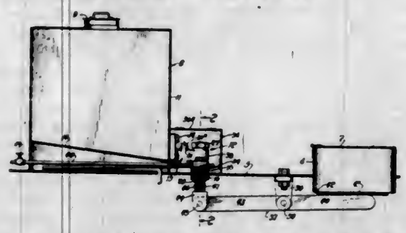


2,244,697
SPOTLIGHT
Fritz Heil, Vienna, Germany
Application August 6, 1938, Serial No. 223,422
In Austria August 16, 1937
6 Claims. (Cl. 240—61.12)



2. An inside windshield spotlight and support therefor comprising a resilient vacuum ring of double-loop cross-section having one wall adapted to rest against a windshield, a holder ring having a flange supported in the channel of one of said loops, a transparent plate being supported in the other loop of said vacuum ring, a spotlight casing having a reflector rotatably connected to said holder ring, and means operable between the wall of said vacuum ring and the holder ring for pressing said wall and holder ring with the transparent plate in opposite directions to increase the vacuum in the space between the windshield and plate.

2,244,698
FLUID TREATMENT APPARATUS
Walter H. Hinsch, Chicago, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois
Application January 20, 1938, Serial No. 185,856
4 Claims. (Cl. 210—30)



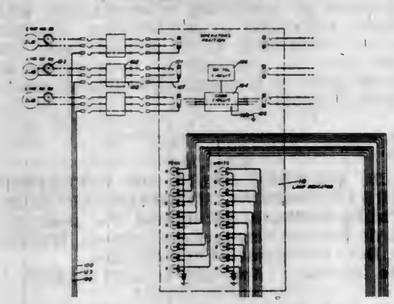
1. In combination with the tank of a locomotive tender having a filling opening, means on the tender for holding a supply of reagent, means providing a passageway for the movement of reagent from said supply into said tank, means for controlling the movement of reagent through said passageway, means movable in response to the untreated water entering the tank through the filling opening and including a part adapted to engage said controlling means for actuating the same, and means providing a lost motion connection between said controlling means and said part of said movable means.

2,244,699
CLEANING DEVICE FOR TEETH
Theodore A. Hosey, Denver, Colo.
Application January 3, 1939, Serial No. 248,943
1 Claim. (Cl. 15—188)



As an article of manufacture, a device of the character disclosed comprising a handle element and a rubber cleansing element attached thereto and having a plurality of flexible rubber cleansing cups and a plurality of upstanding flexible wedges adjacent said cups and grouped at one end of said cleansing element transversely with reference to the handle element.

2,244,700
TELEPHONE SYSTEM
Arthur W. Horton, Jr., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 21, 1939, Serial No. 295,889
5 Claims. (Cl. 179—27)

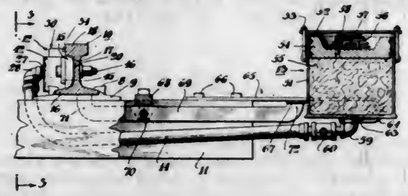


1. An identification circuit for the lines of a telephone system comprising in combination a plurality of current responsive devices and a network of impedance cross-points in which each cross-point identifies a particular line and through which a potential applied to any cross-point produces a current flow through the impedance of said cross-point, whereby said plurality of devices are operated to identify the line corresponding to the cross-point to which the potential was applied.

2,244,701
RAIL LUBRICATOR
Albert F. Huber and John V. Houston, Chicago, Ill., assignors to The American Brake Shoe and Foundry Company, New York, N. Y., a corporation of Delaware
Application February 27, 1939, Serial No. 258,657
8 Claims. (Cl. 184—3)

1. In a track lubricator for use with a rail having a head, web and flange, a delivery plate, means spacing said delivery plate from said web to form an elongate delivery slot between said head and plate, an applying bar having inclined ramp surfaces on the ends thereof and having an open top elongate applying recess adjoining said head, said delivery plate having vertical groove-ways, said applying bar having lugs in said ways, a housing plate having spring supports, springs operating between said supports

and said bar, means for clamping said housing and delivery plates to said rail with said applying



bar slidably located between said housing and delivery plates.

2,244,702
METHACRYLATE POLYMERIZATION PRODUCTS
Leo P. Hubbuch, Springfield, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 16, 1938, Serial No. 202,470
12 Claims. (Cl. 260—84)

1. Process of preparing interpolymers which comprises subjecting to polymerizing conditions a mixture containing, as the polymerizable components thereof, one part of methacrylic acid and 2–20 parts of a monohydric alcohol ester of methacrylic acid.

2,244,703
WATER SOLUBLE SALTS OF INTERPOLYMERS CONTAINING METHACRYLIC ACID
Leo Phillip Hubbuch, Springfield, Pa. assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 16, 1938, Serial No. 202,471
13 Claims. (Cl. 260—84)

1. A process for the manufacture of a water-soluble interpolymer salt which comprises subjecting to polymerizing conditions a mixture comprising from 30 to 98% of monomeric methacrylic acid and 70 to 2% of at least one compound of the group consisting of the nitrile, amide, and esters of methacrylic acid, the mixtures containing from 30 to 40% methacrylic acid being polymerized to interpolymers of molecular weight at least as low as that obtained by refluxing the mixture in toluene and in the presence of approximately 1% benzoyl peroxide, based on the total weight of polymerizable compounds present, for approximately 12 hours, and subsequently converting the interpolymer to a water-soluble salt.

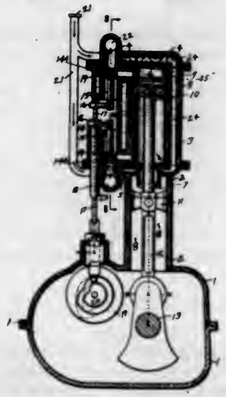
2,244,704
SIZING OF TEXTILE MATERIALS
Merlin Martin Brubaker, Lindemere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 30, 1937, Serial No. 161,678
4 Claims. (Cl. 91—68)

1. Cellulosic textile materials sized with an aqueous liquid containing from about 0.5 to about 5% by weight of a water-soluble salt of an interpolymer consisting of methacrylic acid and an alkyl methacrylate having not more than four carbon atoms in the alkyl group.

2,244,705
AMMUNITION LUBRICATION
John F. Hutchinson, Bridgeport, and Albert A. Schilling, Stratford, Conn., assignors to Remington Arms Company, Inc., a corporation of Delaware
No Drawing. Original application February 28, 1935, Serial No. 8,689, now Patent No. 2,193,631, dated March 12, 1940. Divided and this application April 22, 1939, Serial No. 269,421
3 Claims. (Cl. 252—46)

2. A lubricant for ammunition which is in the solid phase and substantially dry surfaced under atmospheric conditions which contains as an essential ingredient an ester selected from the group consisting of the abietic, sulphuric, phosphoric, stearic and hydroxy stearic esters of an alcohol having not less than fourteen carbon atoms in the molecule.

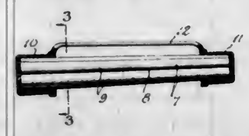
2,244,706
INTERNAL COMBUSTION ENGINE
Sherman D. Irving, Youngstown, Ohio
Application June 22, 1940, Serial No. 341,916
3 Claims. (Cl. 123—63)



1. The combination of an internal combustion engine adapted to use a fuel mixture and having a plurality of cylinders, a piston positioned in each of said cylinders, said pistons actuated on the four cycle principle but obtaining dual action by closing both ends of the cylinders with suitable cylinder heads to form combustion chambers, piston rods for said pistons, together with cross heads positioned on the said piston rods and having connecting rods attached thereto adapted to absorb any side thrust thus holding pistons and piston rods in correct position, together with timing and valve arrangements to provide two explosions every 720° in any and every cylinder, said valve arrangement comprising a plurality of piston valve cylinders, valve seats in said valve cylinders, a plurality of piston valves positioned one in each cylinder, ports formed between the said combustion chambers and the said valve cylinders, the said ports positioned away from said valve seats thus permitting the piston valves to travel past the said ports so that their reverse action will form a suction in the portion of the valve cylinder adjacent to the combustion chambers, a set of valve control rods for each of the said piston valves, each set of the valve control rods comprising a hollow rod having a solid rod positioned therein and actuated at their lower ends by double faced cams

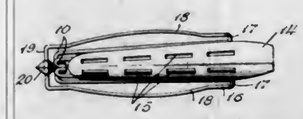
in such manner as to open and close in 113° of rotation of the crank shaft of said engine, substantially as described.

2,244,707
HAIR CURLER
Joseph Jacobs, Bridgeport, Conn., assignor to The A. J. Donahue Corporation, Milford, Conn., a corporation of Connecticut
Application February 7, 1940, Serial No. 317,619
1 Claim. (Cl. 132—42)



A hair curler consisting of three one-piece sections of resilient rubber, two of said sections being identical in conformation and each being in the form of a slightly tapered semi-cylinder with longitudinally extending flutes on its convex surface, and said pieces when assembled by bringing their flat surfaces into contact constituting the body portion of the hair curler, said body portion being in the form of a slightly tapered cylinder with longitudinally extending flutes on its convex surface, and a unitary retaining member of elastic rubber, said retaining member comprising a hollow cap of resilient rubber adapted to fit tightly over the wider end of said body portion so as to clamp the wider ends of the two sections thereof together, and a second hollow cap adapted to fit tightly over the narrower end of said body portion, so as to clamp the narrower ends of the sections thereof together, and a retaining strap joining said caps and resisting displacement of said caps from their seated positions on the ends of said body portion.

2,244,708
HAIR CURLER
Joseph Jacobs, Bridgeport, Conn.
Application March 23, 1940, Serial No. 325,494
3 Claims. (Cl. 132—41)



1. In a hair curler, a mandrel in the form of an open-work cage of generally cylindrical form but tapering slightly towards one end, said mandrel comprising a tubular head, a plurality of wires extending from said head in spaced relation, and converging slightly towards each other, said wires having their ends turned inward and united so as to form a recess, a curl confining member of U-shape having its ends turned inwardly and journalled in said head, whereby said curl confining member is free to pivot on said head, a stay on the bight portion of said curl confining member adapted to spring into said recess and thereby to hold said member in its operative position, an apertured clamping member having one end-portion pivotally mounted on said inturned ends of said curl confining member, and spring means acting between said head and said clamping member to urge said clamping member to seat itself on said mandrel.

2,244,709
VEHICLE
Augustus B. Kinzel, Douglaston, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia
Application November 15, 1938, Serial No. 240,436
1 Claim. (Cl. 280—281)



In a vehicle, such as a bicycle, a rigid truss member having a steering post at the forward end thereof, said truss member being adapted to engage a rear-wheel axle at the rearward end thereof, and said truss member including straight stay means extending directly from said steering post downwardly to said rearward end; and a seat support comprising a cantilever member having a fixed end rigidly connected to said steering post, a free end spaced a substantial distance from said stay means, and a portion extending sharply downward from said free end to said truss member intermediate the ends thereof; said truss member and the downwardly-extending portion of said cantilever member defining together an upwardly open bight wherein a rider's skirt-like garment may hang freely.

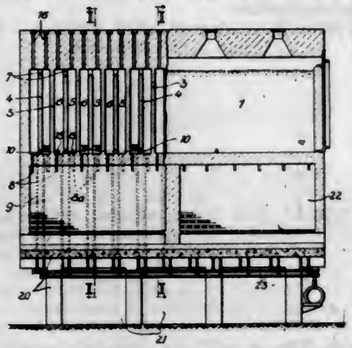
2,244,710
PROCESS FOR THE MANUFACTURE OF HYDROCARBONS FROM CARBON MONOXIDE AND HYDROGEN
Herbert Kölbel, Moers, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application September 22, 1938, Serial No. 231,275. In Germany September 23, 1937
5 Claims. (Cl. 260—449)

1. In a process for the manufacture of hydrocarbons from gases containing carbon monoxide and hydrogen by means of catalysts of the 8th group of the periodic system the improvement comprising the flow of the synthesis gas mixture first of all over an iron catalyst, then effecting the removal of the hydrocarbons produced from the gas mixture treated, then further treating the gas in the presence of another metal of the 8th group as a catalyst for the production of additional hydrocarbons and finally separating from the gas the hydrocarbons formed.

2,244,711
REGENERATIVE COKE OVEN OF THE CIRCULATION TYPE
Heinrich Koppers, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application May 23, 1939, Serial No. 275,277
In Germany May 27, 1938
3 Claims. (Cl. 202—151)

1. Regenerative coke oven comprising horizontal coking chambers and vertical heating flues arranged in the chamber walls with rich gas inlets and regenerator ports communicating with the heating flues at their lower parts, each of said vertical heating flues being communicably connected with another vertical heating flue at their upper parts to provide upflow and downflow flues and also being communicably connected at their lower parts for recirculation of waste gases of combustion from the downflow flue into the upflow heating flue through lower

openings in the header walls of the so interconnected heating flues; and in which the rich gas inlets and regenerator ports are arranged in a single row at the bottom center of the heating



wall, and in which the lower openings in the header walls are arranged between the row of inlets and ports in the bottom center of the heating flue wall and the stretcher walls at the side thereof.

2,244,712

CONTROL OF AMBROSIA BEETLES

Lucas P. Kyrides, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application December 4, 1939, Serial No. 307,414

12 Claims. (Cl. 21—43)

1. A repellent for ambrosia beetles comprising an N-alkylated alkylene polyamine of the general formula

$$X—NH—R—(NH—R)_n—NH—X$$

or a salt thereof, in which R is an alkylene radical selected from the group consisting of ethylene, trimethylene and proylene radicals, X is selected from the group consisting of hydrogen and alkyl radicals having less than 21 carbon atoms, at least one of which is an alkyl radical having more than 7 carbon atoms, and n is a number from 0 to 2.

8. The method of protecting green logs and green lumber from attack by ambrosia beetles which comprises applying to said logs and lumber a repellent comprising an N-alkylated alkylene polyamine selected from the group consisting of N-alkylated ethylene diamines, propylene diamines, trimethylene diamines, diethylene triamines, dipropylene triamines, triethylene tetramines and tripropylene tetramines in which at least one of the alkyl groups contains more than 7 and less than 21 carbon atoms.

2,244,713

DETECTOR

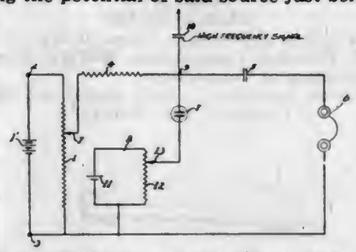
John F. Ledbetter, United States Navy

Application August 23, 1939, Serial No. 291,568

1 Claim. (Cl. 250—27)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A detector for radio frequency potentials, comprising a circuit including an adjustable source of direct potential, a discharge device connected across said source, a capacitance and a sound reproducing device connected in series across said source, said sound reproducing device being responsive to electrical audio frequency oscillations for producing audible sounds, said source, said discharge device, said capacitance and said sound reproducing device having such values that said circuit produces relaxation oscillations at an audio frequency, means for reducing the potential of said source just below the



point of oscillation of said circuit, and means for applying an unrectified radio frequency potential to said circuit, whereby with the application of said radio frequency potential said circuit produces oscillations at an audio frequency, said sound reproducing device producing audible sounds.

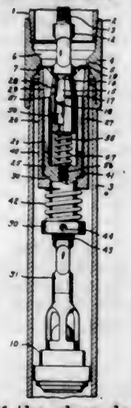
2,244,714

RELEASABLE SUCKER ROD CONNECTION

Russell Livergood, Houston, Tex.

Application December 5, 1938, Serial No. 244,010

5 Claims. (Cl. 103—226)



1. In a device of the class described, a tubing string, an assembly including a pump plunger and a sucker rod within said string, a head on the lower end of said sucker rod, an inwardly extending projection in the string adapted to guide the head centrally of the string as the head moves past the projection, and a releasable connection between the sucker rod and the plunger, said connection including a member adapted to engage said projection and a fingered bushing movable from within the member to expand and release the sucker rod when the assembly is lifted to a predetermined level within the string.

2,244,715

TEMPERED GLASS AND PROCESS FOR MANUFACTURE OF THE SAME

Bernard Long, Paris, France, assignor to The American Securit Company, Wilmington, Del., a company of Delaware

Application December 17, 1935, Serial No. 54,918

In France December 22, 1934

13 Claims. (Cl. 49—69)

1. A new article of manufacture comprising a sheet of glass having at least a portion thereof tempered in order to produce zones of different degrees of tempering, each of the less tempered zones being entirely surrounded by a higher tempered zone.

7. A method of manufacturing a sheet of glass having at least a portion thereof tempered in order to produce zones surrounding other zones wherein the first mentioned zones are tempered to a higher degree than said other zones which comprises subjecting the two types of zones to different thermal conditions to produce a high temper in the first named zones.

2,244,716

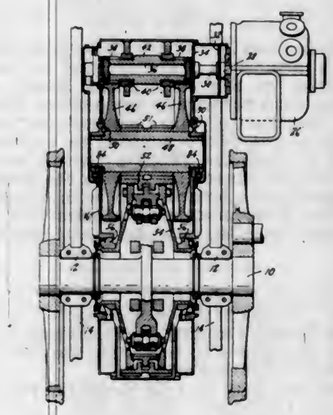
REDUCTION GEAR FOR TURBINE LOCOMOTIVES

Alf Lysholm, Stockholm, Sweden, assignor to Aktiebolaget Ljungströms Ångturbin, Stockholm, Sweden, a corporation of Sweden

Application April 11, 1939, Serial No. 267,246

In Great Britain April 12, 1938

6 Claims. (Cl. 105—38)



1. In a turbine driven locomotive, a driving axle having driving wheels fixed thereon, side frame members carrying bearings for said axle, said frame members and bearings being located between said driving wheels, a two-stage speed reducing gear unit comprising a casing located between said frame members, said casing having a pinion shaft located therein adapted to be connected at one end to a turbine located laterally and exteriorly of the casing, an intermediate shaft in said casing having pinion means thereon located between gears meshing with the pinions on said pinion shaft, the pinions on said pinion shaft being spaced apart by substantially the distance occupied by the pinion means on the intermediate shaft, and the unsupported portion of the pinion shaft between the pinions thereon being substantially enlarged as compared with the shaft journals.

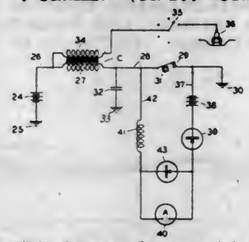
2,244,717

ELECTRICAL NETWORK

Benjamin C. Lansdale, San Francisco, Calif., assignor to Echlin Manufacturing Company, San Francisco, Calif., a corporation of California

Application December 4, 1939, Serial No. 307,488

7 Claims. (Cl. 177—311)



1. An electrical network comprising a main circuit including a source of direct current potential and a control element having periodic breaker means, and a subordinate circuit including, in series, said control element, a source of direct current, a unidirectional resistor, and an element responsive to current flow from said second source as modified by the action of said control element, said source of current and said unidirectional resistor being arranged to oppose the reverse flow of current through said responsive element under the potential of said source in the main circuit.

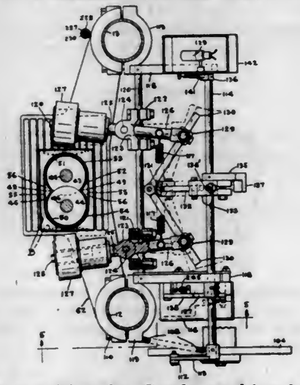
2,244,718

PACKING MACHINE

George Long, St. Paul, Minn., assignor to General Mills, Inc., a corporation of Delaware

Application May 6, 1939, Serial No. 272,209

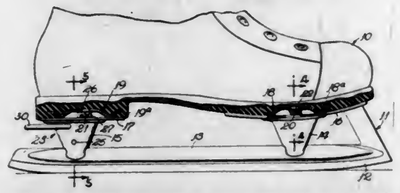
3 Claims. (Cl. 226—25)



1. In a machine for firmly packing bags with a comminuted material, a vertical filling tube of oblong cross section, supporting means therefor, a pair of rolls on opposite sides of the tube swingably mounted on the supporting means, each roll having a yieldable face and adapted to swing into contact with the face of the tube to grip a bag therebetween, means for pressing said roll to squeeze a bag into surface contact with the filling tube, said rolls and said tube being so positioned and arranged with respect to each other that the bag is substantially unstretched and only a binding action between the bag, tube and roll results so that friction between the bag, the roll and the tube at the place where pressure is applied offers substantially the sole means for

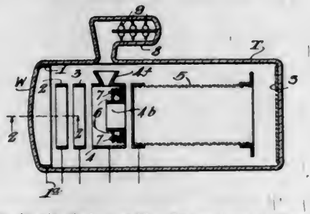
supporting the bag and contents, and means for intermittently forcibly feeding the material through the tube to cause the bag to move down the tube.

2,244,719
SHOE AND SKATE COMBINATION
Judson H. Mansfield, Rockford, Ill.
Application August 31, 1938, Serial No. 227,628
10 Claims. (Cl. 280—11,30)



1. A detachable shoe and skate combination comprising, a shoe embodying a sole and heel made of a moldable composition, shallow inverted dish-shaped sheet metal heel and sole plates embedded in the bottoms of said heel and sole respectively, said plates having projections on the marginal edges thereof projecting into and bonded to the surrounding composition, a skate, and means including interfitting parts on said plates and skate for detachably securing said skate to said shoe, said parts on said plates being located entirely within the recesses defined in the bottom of the shoe by said plates.

2,244,720
PHOTOCATHODE
Ernest A. Massa, Haddonfield, N. J., and Eugene W. Pike, Swarthmore, Pa., assignors to Radio Corporation of America, a corporation of Delaware
Application March 28, 1940, Serial No. 326,388
10 Claims. (Cl. 250—165)

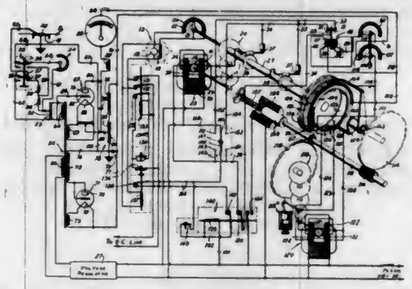


1. A photoelectric cathode comprising a supporting surface, a layer of a silver-antimony alloy on said surface and a deposit of alkali metal on said layer of alloy.

2,244,721
DETERGENT COMPOSITION AND METHOD OF MAKING SAME
Waldemar O. Mitscherling, Flushing, N. Y., assignor to John J. O'Connor, New York, N. Y.
No Drawing. Application October 3, 1940, Serial No. 359,545
2 Claims. (Cl. 252—153)

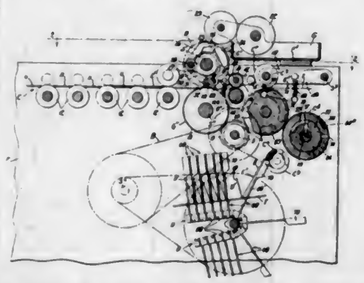
1. A method of making detergent compositions which consists essentially in providing an alkylolamine, adding oleic acid thereto with stirring, the temperature being approximately room temperature, the ratio of acid to amine being about 1 to 5 by volume, allowing an addition reaction to take place until the spontaneous rise in temperature resulting from said reaction ceases, adding a further amount of said acid and repeating the procedure until volume of acid equals that of said amine, adding with stirring an amount of water equal to about ⅓ part by volume to the product of said amine and acid together with ⅓ part by volume, as a catalyst, of monoethyl ether of diethylene glycol, allowing hydrolysis to take place with a spontaneous rise in temperature, adding about 10.8 parts by volume of water and ⅘ part by volume of said ether and allowing the hydrolysis to go to completion, whereby a composition containing products of hydrolysis, monoethyl ether of diethylene glycol and water results.

2,244,722
AUTOMATIC CONTROL SYSTEM
Austin S. Norcross, Waban, Mass.
Application October 21, 1937, Serial No. 170,261
19 Claims. (Cl. 34—52)



4. A control system having, in combination, a regulating member, a power operator for moving said member at a predetermined speed, automatic condition-responsive mechanism controlling the operation of said operator and including an electrical device adapted to be variably energized to vary the effective control point of said mechanism, means for varying the energization of said device progressively with changes in the position of said member, and selectively operable means for disabling said last mentioned means.

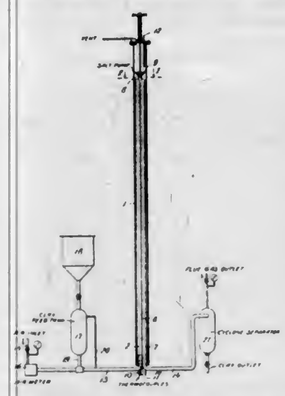
2,244,723
ENVELOPE MACHINE
Abraham Novick, Flushing, N. Y., assignor to F. L. Smithe Machine Co., Inc., New York, N. Y., a corporation of New York
Application July 30, 1936, Serial No. 93,322
17 Claims. (Cl. 93—61)



1. In an envelope machine, the combination of gumming mechanism adapted to gum a flap portion of an article, and rotary devices adapted to fold said flap to partially closed, non-adhering

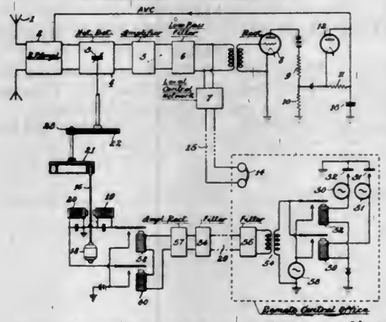
position and to advance said article, said rotary devices including a first rotary device having means to receive said article and to hold the same by its gummed flap, deflecting said flap toward the body of the article, a second rotary device adapted to receive the body and to deflect the body toward the flap while the article is still held by said flap, said rotary devices having adjacent portions spaced apart and arranged to pass the article between them with the gummed side of the flap spaced from the article, at an angle to its original path; means for compressing the fold between the body and flap of the article; a third device to which said article with partly folded flap is delivered by said rotary devices, said third device acting upon the body of said article to hold the same while advancing it progressively; and transfer means cooperating with said third device to receive and advance the article.

2,244,724
KILN
John W. Payne, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application April 29, 1939, Serial No. 270,942
5 Claims. (Cl. 202—219)



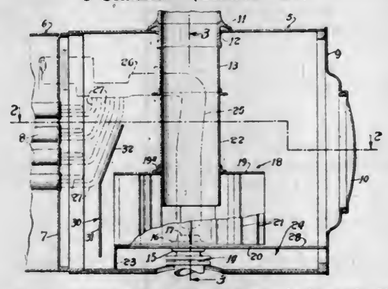
1. An apparatus for regenerating spent petroleum processing clay particles by "burning" with air at closely controlled elevated temperatures comprising a relatively long tubular retort of relatively narrow cross section, a chamber surrounding said retort holding a molten salt heat exchange medium in close indirect heat exchange with all inner portions of said retort, means to pass air through said retort, means to introduce said particles into said air so that they will be carried in suspension thereby through said retort, said retort being sufficiently long to permit proper treating time and of sufficiently narrow cross section that each solid particle throughout its entire passage through said retort will be not more than about 2 inches from molten salt heat exchange medium in said chamber so that the temperature of all particles while in said retort may be maintained within a suitable treating range while preventing any deleterious temperature occurring, means for circulating the molten salt heat exchange medium in said chamber, and cooling means for extracting heat from said circulating salt which is capable of maintaining the temperature of said salt below temperatures which substantially damage the clay by overheating but above inefficient regenerating temperatures.

2,244,725
REMOTE CONTROL SYSTEM
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application June 19, 1935, Serial No. 27,319. Divided and this application May 26, 1939, Serial No. 275,785
4 Claims. (Cl. 250—40)



2. Remote control apparatus for an adjustable element of a radio receiver, comprising a station remote from said receiver, said station having sources of electric waves of two different, but relatively low frequencies, a tone frequency generator, means for selectively modulating the output of said generator by either one of said low frequencies at will, a communications channel extending from said station to said receiver and adapted to translate signals produced by the modulation of said generator output, a rectifier adjacent said receiver for demodulating said signals, motor driven means for effecting adjustment of said adjustable element in said receiver in either of two senses, and means selectively responsive to signals of one or the other of said two low frequencies for determining the sense of the adjustment of said element, the duration of the selected signal being determinative of the extent of said adjustment.

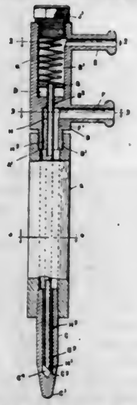
2,244,726
LOCOMOTIVE FRONT END
Leslie R. Pyle, Chicago, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware
Application February 12, 1940, Serial No. 318,405
9 Claims. (Cl. 230—97)



1. In combination with the smokebox shell of a locomotive having a flue sheet at one end thereof, a circumferentially open spark arrester in said shell, a smoke stack having a portion arranged in the shell and operatively disposed with respect to the upper portion of said arrester, an exhaust nozzle arranged to discharge into the bottom of said arrester, and means arranged in said smoke-

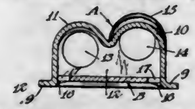
box shell between said flue sheet and said arrester and so formed that products of combustion must pass over, under and laterally about the same to assist in equalizing the distribution of the products of combustion in said smokebox shell before they enter said arrester about substantially its entire periphery.

2,244,727
WATER-COOLED SPOT WELDING MECHANISM
Edward A. Rutt, Detroit, Mich., assignor to Commerce Pattern Foundry and Machine Company, Detroit, Mich., a corporation of Michigan
Application October 5, 1939, Serial No. 298,003
5 Claims. (Cl. 219—4)



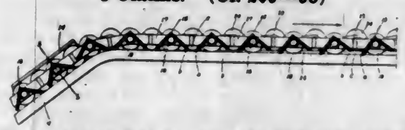
1. Means for reducing the temperatures of a spot welding electrode during its operative activity, comprising, in combination with a tubular central body portion therefor and a centrally recessed electrode tip positioned at one end thereof, a plurally chambered member connected with the opposite end of said tubular central portion provided with inlet and outlet connections for a cooling stream of fluid, a piston engaging within one of the chambers of said last named member, a tube carried by said piston and extending forwardly therefrom spacedly through said tubular central body, and a spring positioned within that one of the chambers into which the fluid inlet connection leads, adapted to yieldingly project said piston and its attached tube forwardly, to effect the engagement of the forward end of said tube against the inner end of the recess in said electrode tip.

2,244,728
PRESSED SILO LUG
Peter Rutten, Plainfield, Ill.
Application September 15, 1938, Serial No. 230,043
3 Claims. (Cl. 217—95)



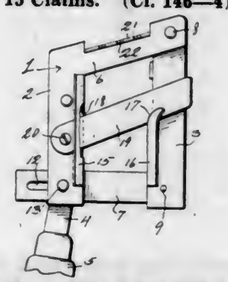
1. A pressed metal silo lug of elongated generally rectangular shape comprising an integral open sided housing formed of sheet metal and having a base and a pair of adjacent rod receiving compartments extending longitudinally thereof, the ends of said compartments being apertured and forming rod nut abutments and a base plate fitting within the housing and having ends in abutment with the ends of said housing to form a strut therebetween, and means for securing said plate to said housing.

2,244,729
GRADER
Louis B. Sammis and Frank R. Hood, Wallace, Calif.
Application November 21, 1938, Serial No. 241,562
3 Claims. (Cl. 209—98)



1. In a grader, an endless grading conveyor including grading elements formed of a plurality of cooperating sections of rigid angle form disposed transversely in spaced relation, the apex of the sections extending upwardly; a stub shaft rigid with and projecting from each end of the sections under and adjacent its apex, a roller mounted on each shaft, the grader including transversely spaced tracks upon which said rollers ride, a drive for the conveyor, and means operative when the conveyor is driven and acting on said shafts whereby to effect relative rotation of said sections.

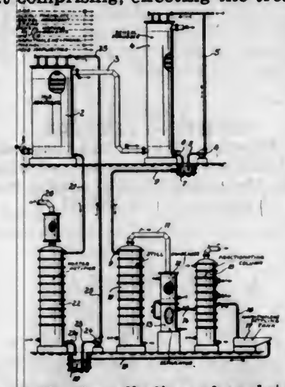
2,244,730
CULINARY IMPLEMENT
Charles H. Schetzer, North Portland, Oreg.
Application May 25, 1939, Serial No. 275,760
15 Claims. (Cl. 146—4)



15. An implement for removing kernels from an ear of corn, comprising a rectangular frame having two oppositely disposed side members and having one of the said two side members movable in the plane of the frame with respect to the member opposite thereto whereby the width of the frame may be varied, a handle secured at one end to the frame, a blade secured at one end to the frame to extend transversely with respect to the frame and the said movable side member, a corn ear engaging wing carried by each of the said opposite members, said wings forming guides between which the corn ear is located, and a scraper member carried by the frame at the rear of said blade.

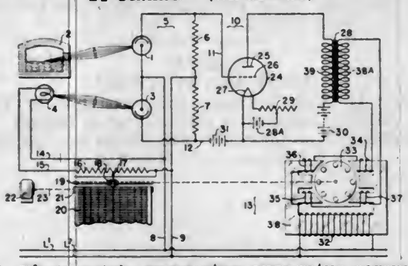
2,244,731
PROCESS FOR REMOVAL OF ACIDIC IMPURITIES FROM FUEL GAS
Adolf Schmalenbach, Essen, Germany, assignor, by mesne assignments, to Koppers Company, Pittsburgh, Pa., a corporation of Delaware
Application November 8, 1938, Serial No. 239,498
In Germany November 11, 1937
3 Claims. (Cl. 23—3)

1. In a process of treating gas which comprises the steps of removing hydrogen sulphide and other acidic impurities from gases containing benzol by washing the gas with an aqueous alkaline solution of phenol, removing the phenol volatilized into the gas during the alkali phenolate scrubbing step by washing the gas to absorb the phenol from the same and returning the absorbed penol again to the alkaline solution of phenol, and removing the benzol from the gas by washing the gas with a benzol absorbent wash oil which is regenerated by steam distillation with fractionation of the distillation vapors; the improvement comprising, effecting the treatment of



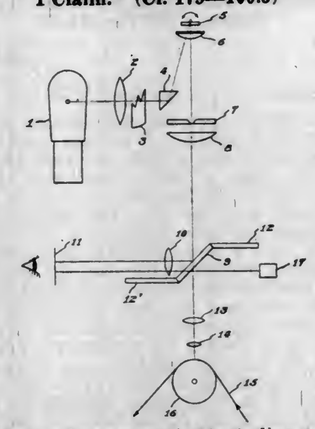
the gases with the alkaline phenolate solution immediately before the step for removal of benzol from the gas and effecting the extraction from the gas of the phenol that is taken up by the gas as a result of the volatilization of phenol into the same during the alkali phenolate scrubbing step by absorption of the phenol in the benzol absorption wash oil during the benzol absorption step, recovering the absorbed phenol in a fraction in the fractionation phase of the benzol wash oil regeneration step, and thereupon returning the recovered phenol to the phenolate solution for the acid gas removal step.

2,244,732
MEASURING APPARATUS
Henry M. Schmitt, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 13, 1938, Serial No. 184,907
14 Claims. (Cl. 88—23)



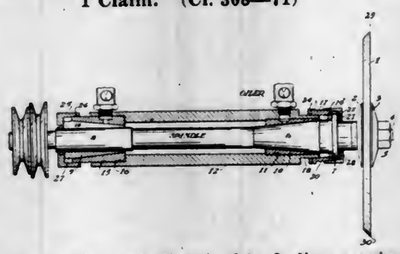
1. Photometric measuring apparatus comprising the combination with a balanced electrical bridge network including a light sensitive device in one arm which is responsive to changes in a variable condition and adapted to produce unbalanced electromotive forces in said electrical network in accordance with changes in said condition, electrical energizing means, a power driven physically movable device energized by said last mentioned means and adapted to rebalance said network on unbalance thereof, electrical valve means having an input circuit and an output circuit electrically controlled by the input circuit for continuously controlling the actuation of said device in accordance with the magnitude of said condition, operative connections between the output circuit of said electrical valve means and said device, and operative connections to directly control the input circuit of said electrical valve means by said unbalanced electromotive forces.

2,244,733
SOUND RECORDING APPARATUS
Karl Schwarz, Berlin-Lankwitz, Germany, assignor to Klangfilm G. m. b. H., Berlin, Germany, a corporation of Germany
Application June 24, 1938, Serial No. 215,625
In Germany July 28, 1937
1 Claim. (Cl. 179—100.3)



Sound recording apparatus including means for directing a beam of recording light to a film, means for supporting the film at the recording point, a slanting glass plate constituting an ultra violet filter in the path of said beam, and optical means for observing light reflected by said plate, whereby light emitted by a fluorescent film when ultra violet light is directed thereon may be observed.

2,244,734
PRECISION SPINDLE FOR GRINDING WHEELS AND THE LIKE
Rollin M. Severance, Saginaw, Mich.
Application March 15, 1939, Serial No. 261,900
1 Claim. (Cl. 308—71)



In a precision grinding tool including a spindle having a grinding wheel on one end and a tapered journal and cylindrical journal, said spindle being rotatable in a tubular housing with

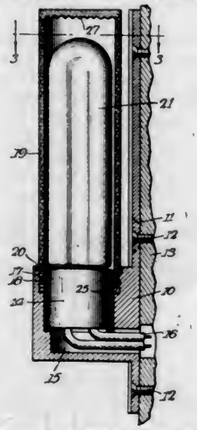
bearings for said journals; having in combination, a fixed collar projecting peripherally from the spindle and situated beyond and spaced from the end of the housing and intermediate the said tapered bearing and the grinding wheel, a sleeve threaded adjustably on the end portion of the housing and having an inwardly projecting flange arranged to take against the rear face of said collar, a screw cap adjustably threaded on said adjustable sleeve and having an inwardly directed flange taking against the forward face of said collar; said cap and sleeve constituting means for adjusting the running fit of the collar between the said flanges and for keeping the collar and spindle from moving lengthwise; and also constituting means for adjusting the running fit of said tapered spindle in its bearing.

2,244,735
PIPE CLEANING TOOL
Abe Silverman, Pittsburgh, Pa.
Application June 4, 1938, Serial No. 211,791
3 Claims. (Cl. 15—104.30)



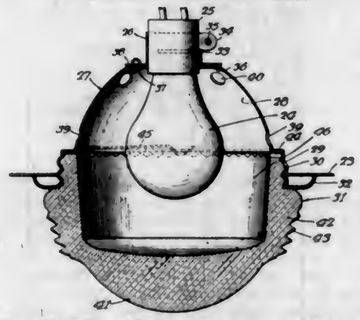
2. In a sewer auger, the combination of a longitudinal core formed of twisted multi-strand cable and an outer sheath for said core consisting of a helix of spring steel wire of circular cross section having spaced turns in continuous contact with the core, the sheath frictionally gripping the core throughout the length of the latter with a force sufficient to prevent material relative movement between the sheath and the core and hold the sheath from breaking apart under the tensional load but insufficient to prevent relative movement between the strands of the cable or to deaden the resiliency of the member, and an integral head at one extremity of the sheath consisting of turns of the spring steel wire disposed in a direction opposite to the direction of the turns of the body of the sheath and of greater spacing than the spacing of the turns of the body of the sheath.

2,244,736
LIGHT FIXTURE
Lemuel L. Stewart, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application November 27, 1937, Serial No. 176,860
3 Claims. (Cl. 240—73)



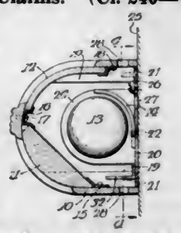
1. A light fixture for use alongside a wall mirror in a room having a ceiling and wall of good light reflecting properties, said fixture comprising a lamp socket, an elongated lamp supported in the socket, a correspondingly elongated tubular cover having side and top walls fitted over the lamp, all the forward portion of the side wall which is normally visible to a user of the mirror being treated to give it light diffusing properties, the rear of the side wall which is obscured by the forward portion from the view of the user being formed to pass light of relatively great density toward the room wall adjacent to the mirror for reflection outwardly, and the top wall of the cover being substantially flat and provided with prismatic means for directing a diverging beam of light upwardly onto the ceiling for reflection downwardly.

2,244,737
LIGHTING FIXTURE
Lemuel L. Stewart, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application December 31, 1937, Serial No. 182,859
2 Claims. (Cl. 240—7.35)



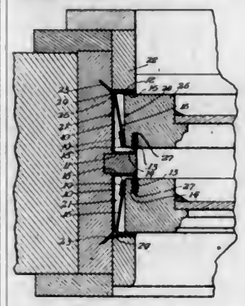
2. In a lighting fixture, a source of white light, a cover below the source through which light rays are transmitted for producing a given light distribution, said cover having light transmitting means for throwing a vertical beam of white unfiltered light and a concentric diffusing portion for casting light laterally, a reflector behind the source reflecting white light through the light transmitting means, said diffusing portion including annular prisms adapted to bend the light rays upwardly, and a color screen inside the cover placed with respect to the light source and cover so as to direct colored light from the source through the light diffusing portion and to diffuse colored light from the screen into the vertical beam of white light.

2,244,738
LIGHTING FIXTURE
Henry G. Alm, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application January 12, 1939, Serial No. 250,546
5 Claims. (Cl. 240—7.3)



1. A lighting fixture comprising a back plate adapted to be mounted on a substantially flat surface, an elongated bowl-shaped cover substantially symmetrical with respect to its longitudinal axis and having elongated openings on opposite sides of the plane of symmetry, an elongated light bulb in the fixture behind the cover and disposed lengthwise of the cover, mounting means for supporting the bulb close to the back plate and adapted to connect it to a circuit, a pair of light transmitting members including an elongated light collecting lens positioned in one of the openings in the cover and extending at least approximately the length of the bulb, and a light diffusing member in the other of said openings in the cover extending at least approximately the length of the bulb, an elongated reflector extending longitudinally of the bulb and disposed rearwardly thereof to reflect light therefrom through one of the light transmitting members, said cover substantially concealing said bulb, reflector and mounting means.

2,244,739
WEATHER STRIPPING
Joseph Sylvan, Detroit, Mich.
Application March 20, 1940, Serial No. 325,046
1 Claim. (Cl. 20—69)

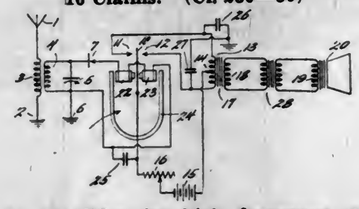


As an article of manufacture, a weather strip of integral construction formed of sheet metal and comprising a body, a portion of which is shaped to form a wall extending along one of the lateral edges thereof, the free edge of said wall being bent inwardly to form a flange extending along said wall, overhanging and spaced from said body for a considerable distance, said flange being substantially parallel with the body, the opposite edge of said body being bent to form a wall substantially parallel with the first said wall at a substantial distance from the free edge of the said flange, a portion of the second said wall being bent back upon itself and against the inner face thereof, the said bent back portion itself being deflected on a line adjacent the junction of the second said wall and the said body to form a spring tongue extending in an inclined direction from the said line, away from the said body toward the flange on the first said wall and projecting under said flange, said tongue terminating short of and spaced from the first said wall, the free edge of the tongue being normally spaced from the said flange.

2,244,740
METAL TREATMENT AND PRODUCT
Robert R. Tanner, Detroit, Mich.
No Drawing. Application May 9, 1939, Serial No. 272,722
3 Claims. (Cl. 148—6.5)

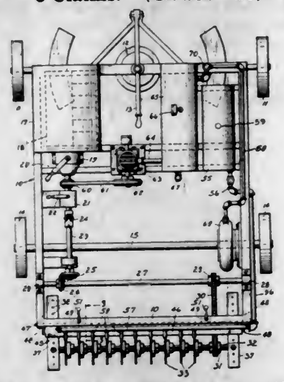
1. The method of treating ferrous metal articles to increase paint adhesion which comprises subjecting said articles to the action of an aqueous solution of ammonium acid fluoride and drying the same upon said surfaces.

2,244,741
SYSTEM FOR THE RECTIFICATION AND AMPLIFICATION OF SIGNALS OF RELATIVELY HIGH FREQUENCY
Jorge Guzman Tovar, Mexico City, Mexico
Application May 23, 1940, Serial No. 336,846
In Mexico March 31, 1937
16 Claims. (Cl. 250—30)



1. An amplifier for high frequency currents comprising a plurality of conducting members substantially fixedly separated by an insulating medium, means to complete a circuit alternately through said members including a local current source, and a vibratory means, means to operate said vibratory means in synchronism with the frequencies to be amplified, and responsive means in circuit with said conducting members, said vibratory means, and said local current source, the current in said circuit being adapted to impress on said responsive means a resultant current substantially corresponding in frequency and wave form to the original current supplied to the amplifier.

2,244,742
ROAD GROOVING MACHINE
Harry Tyson, Brooklyn, N. Y.
Application March 19, 1940, Serial No. 324,772
3 Claims. (Cl. 262—20)



1. A road grooving machine for cutting grooves in concrete, said machine having in combination, a frame, a transverse shaft supported on said frame, a plurality of spaced cutting discs carried by said shaft, means whereby said shaft and its cutting discs may be raised or lowered in relation to said frame, a motor mounted on said frame, driving connections between said motor and said shaft, an axle carried by said frame, driving wheels on said axle, an air turbine for turning said axle so as to rotate said driving wheels, a storage tank for supplying air to said

turbine, a line connecting said storage tank and said turbine, a valve in said line, a compressor for compressing air in said storage tank, and means for operating said compressor, the speed of movement of said carriage being controlled by the proper functioning of said cutting discs.

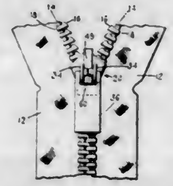
2,244,743

LOCKING SLIDER FOR SLIDE FASTENERS

Frederick Ulrich, Bayonne, N. J., assignor to Conmar Products Corporation, Bayonne, N. J., a corporation of New Jersey

Application January 23, 1940, Serial No. 315,146

10 Claims. (Cl. 24—205)



1. A locking slider for a slide fastener, said slider comprising top and bottom walls connected at a neck, and means to lock said slider, said means including a link extending through both walls of the slider at the neck, a locking tooth offset sidewardly from said link, a cross arm extending between said link and said locking tooth, said tooth, cross arm and link all being receivable in a slot in the slider, a pull mounted on the outside of the slider, and means so connecting said pull to said link that the tooth is moved to unlocked position when the pull is raised to operate the slider.

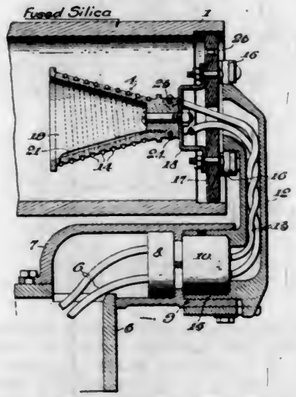
2,244,744

PROCESS FOR DRYING YARN

Johannes Uytenbogaart, Berlin-Lichterfelde, Germany, and Carl F. Gram, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

Application August 11, 1937, Serial No. 158,496

4 Claims. (Cl. 34—41)



2. In a process for drying thread or yarn on a heated rotating surface, the steps comprising, passing the thread in an approximately helical path over said surface and gradually decreasing the temperature of said surface as the moisture content of the thread decreases in the course of the drying operation.

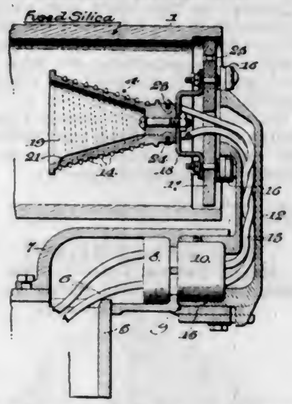
2,244,745

APPARATUS FOR DRYING YARN

Johannes Uytenbogaart, Wassenaar, Netherlands, and Carl F. Gram, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

Original application August 11, 1937, Serial No. 158,496. Divided and this application August 31, 1938, Serial No. 227,832

3 Claims. (Cl. 34—110)



1. Apparatus for drying a continuous length of yarn, thread, or the like, comprising, in combination, a rotatable cylinder, a tapered heating element disposed lengthwise within the rotatable cylinder and in generally coaxial spaced relation thereto, and means for directing the yarn, thread, or the like over the said rotatable cylinder and progressively along its surface from one end toward the other and in the direction of the smaller end of the tapered heating element.

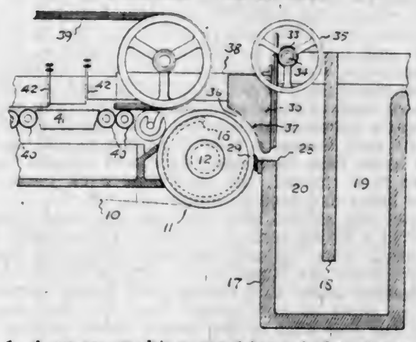
2,244,746

PAPERMAKING MACHINE

Fred S. Van Voorhis, Saugerties, N. Y.

Application August 10, 1939, Serial No. 289,384

6 Claims. (Cl. 92—44)



1. A paper-making machine of the character described comprising a breast roll for the Fourdrinier wire, means for mounting said roll on a horizontal axis, a pulp-delivery chamber, a horizontal ledge for delivery of the pulp from said chamber to the wire on said roll on a level with the roll axis, a member spaced from said ledge to form a pulp-delivery slot, an arcuate surface formed on said member and approximately conforming to the curvature of the roll and spaced therefrom to form a pulp-receiving chamber,

and means for adjusting said member to modify the width of the said slot and the capacity and shape of the receiving chamber.

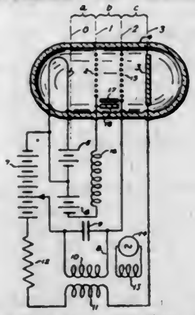
2,244,747

THERMIONIC VACUUM TUBE AND CIRCUITS

Russell H. Varian and Arnold J. F. Siegert, Stanford University, Calif., assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif., a corporation of California

Application May 24, 1938, Serial No. 209,678

4 Claims. (Cl. 250—36)



1. In an electrical converter, a closed hollow conducting body comprising capacity coupled body half sections, means for establishing a direct current potential between opposing inner surfaces of said body half sections, means for causing thermionic emission from one of said opposing surfaces, and a grid structure interposed between said surfaces and comprising a pair of mutually spaced grid sections, a conducting loop within said body connected to said grid sections for exciting the latter, the flow of electrons within said body acting to build up a suitable transient and establish an oscillating electromagnetic field within said body for exciting said loop and effecting space charge control of the electrons, the flight time of the electrons between said grid sections being substantially one-half cycle of oscillation of the field within said body.

2,244,748

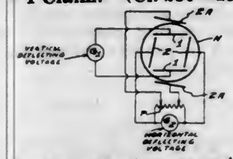
RADIO DIRECTION FINDING RECEIVER

Louis E. Q. Walker, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware

Application May 14, 1938, Serial No. 207,905

In Great Britain June 26, 1937

1 Claim. (Cl. 250—157)



A cathode ray indicator comprising means for producing an electron beam, a fluorescent screen adapted to be impinged by said beam, horizontal and vertical deflecting means for deflecting said beam across said screen, means for applying deflecting voltages to said deflecting means to produce horizontal and vertical deflecting fields, respectively, said fields being angularly disposed with respect to each other and perpendicular to the axis of said beam, the orientation of said horizontal deflecting means causing said horizontal deflecting field to be at an angle other than a right angle with respect to said vertical deflecting field, auxiliary deflecting means for producing a third deflecting field which combines with said horizontal deflecting field to produce a resultant horizontal field effectively at right angles to said vertical field so that the resultant horizontal field has no effective vertical component influencing said beam.

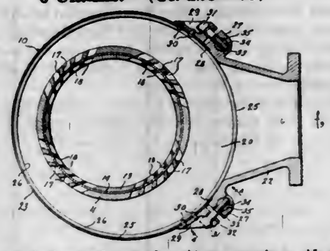
2,244,749

INTERNAL COMBUSTION ENGINE

Marsden Ware, Huntington Woods, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application January 4, 1940, Serial No. 312,316

6 Claims. (Cl. 123—75)



1. In an internal combustion engine, the combination with a cylinder structure having a plurality of circumferentially arranged inlet ports therethrough, of a pair of circumferential walls projecting from the cylinder structure and spaced axially to confine the ports therebetween, and radially applied sectional means enclosing the space between the walls including an inlet neck and a securing band for the neck.

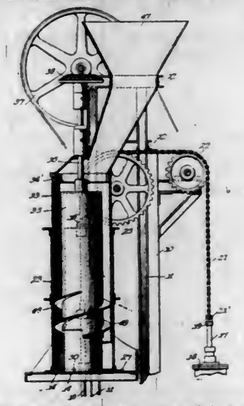
2,244,750

APPARATUS FOR MANUFACTURING CORK COMPOSITION MATERIAL

Andrew Weisenburg, Philadelphia, Pa., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York

Application October 29, 1937, Serial No. 171,798

10 Claims. (Cl. 18—5)



1. In a filling and packing machine of the class described, the combination of an axially movable platform supporting a mold having a core and a spaced outer member, a detachable ring member supported on the platform and forming the bottom of the space between the core and the outer

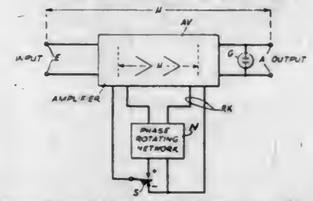
member, a fixed tubular member associated with the mold and arranged to extend within the outer member, a revoluble drum within the fixed member, means for normally maintaining the mold in telescopic relation with the fixed member, means for introducing granulated material and a binder into the mold to form a cylindrical body, and means on the lower end portion of the drum for packing the material into the mold and moving the mold away from the fixed member during the packing operation, said last mentioned means applying a continuous axial and rotary pressure to the material.

2,244,751

METHOD AND ARRANGEMENT FOR TESTING AMPLIFIERS

Hellmut Werrmann, Berlin-Charlottenburg, Germany, assignor to "Fides" Gesellschaft fur die Verwaltung und Verwertung von Gewerblichen Schutzrechten, m. b. H., Berlin, Germany, a corporation of Germany

Application February 24, 1939, Serial No. 258,196
In Germany March 10, 1938
2 Claims. (Cl. 179—171)



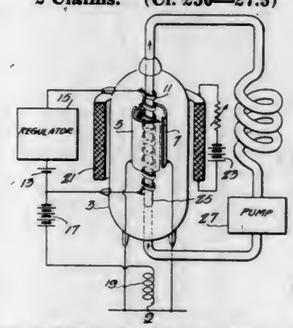
1. Method of testing a vacuum tube amplifier including a negative feed back circuit therein to obtain linearity thereof, characterized in that the negative feed back is converted into a positive feed back of such value that natural oscillations are produced only if the amplifier tube has the amplification properties necessary to provide the required linearity.

2,244,752

THERMIONIC TUBE

Irving Wolff, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 31, 1939, Serial No. 253,731
2 Claims. (Cl. 250—27.5)



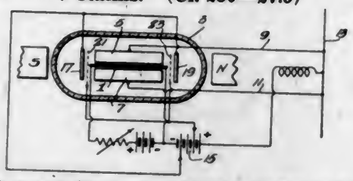
1. A thermionic discharge device which includes a cylindrical anode electrode, a hollow cathode electrode substantially concentrically positioned within said anode, means for heating said cathode to produce a flow of electrons therefrom, means for establishing a magnetic field parallel to the common axis of said electrodes whereby electrons are caused to rotate about and bombard said cathode, said bombardment tending to produce excessive heating thereof, and means for passing a cooling fluid through said cathode to stabilize the temperature of said cathode.

2,244,753

MAGNETRON

Irving Wolff, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application July 27, 1939, Serial No. 286,749
7 Claims. (Cl. 250—27.5)



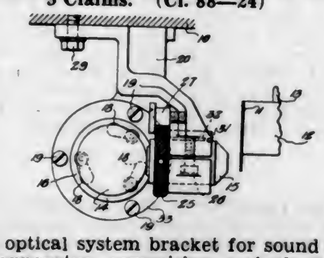
2. A magnetron comprising a linear cathode, a cylindrical electrode mounted about said cathode, a pair of reticular accelerating electrodes respectively positioned adjacent the opposite ends of said cylindrical electrode and perpendicular to said cathode electrode, and a pair of decelerating end plate electrodes, said accelerating electrodes being positioned between said cylindrical and said decelerating end plate electrodes.

2,244,754

SOUND REPRODUCING MECHANISM

Arthur G. Zimmerman, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware

Application June 28, 1938, Serial No. 216,299
5 Claims. (Cl. 88—24)



1. An optical system bracket for sound reproducing apparatus, comprising a single member having a planar base adapted to cooperate with a surface in said apparatus, a cylindrical aperture in said member having a keyway and adapted to cooperate with an optical system carrying a key, and means on said member for securing a pre-focused lamp in predetermined position relative to the optical system.

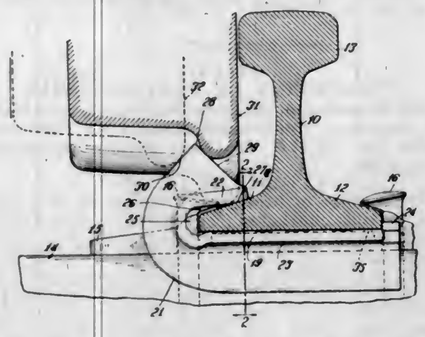
2,244,755

RAIL ANCHOR

Harold G. Warr, Park Ridge, Ill., assignor to Poor & Company, Chicago, Ill., a corporation of Delaware

Application December 27, 1938, Serial No. 247,902
23 Claims. (Cl. 238—327)

1. A rail anchor comprising a bar bent at one end into hook form to provide upper and lower jaws for gripping the top and bottom surfaces, respectively, of the base portion of a railroad rail, said bar having a horizontally disposed portion for engagement with the rail and a relatively wide but thin vertically disposed flange for abutting against a side face of a rail supporting structure and for reinforcing the said upper and lower jaws; the portion of said flange overlying the upper jaw being formed with oppositely inclined deflecting surfaces which incline downwardly transversely of the rail from a peak located outwardly from the rail head a distance sufficient to permit a portion of a derailed car wheel to strike either of said deflecting surfaces.



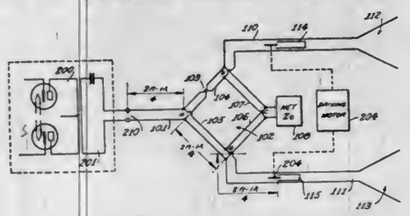
16. A method of forming a rail anchor by bending a bar having a horizontally disposed portion and a vertical flange into hook form to provide the anchor with rail gripping upper and lower jaws rigidified by said vertical flange; comprising bending the bar around a suitable form by application of bending pressure exclusively to the horizontal portion of the bar, whereby the vertically disposed flange is free to stretch both vertically and lengthwise of the hook during the bending operation.

2,244,756

MODULATION SYSTEM

Andrew Alford, New York, N. Y., assignor to International Telephone Development Co., Inc., New York, N. Y., a corporation of Delaware

Application August 3, 1939, Serial No. 288,134
5 Claims. (Cl. 179—171.5)



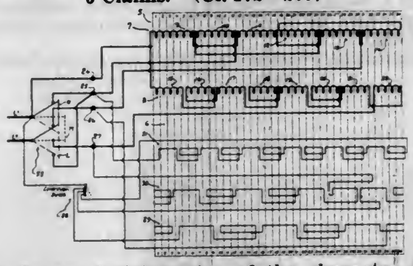
1. A high frequency system comprising a reentrant loop circuit, a high frequency energy source having a given surge impedance coupled to a point on said reentrant loop circuit, a network having substantially the same impedance as said surge impedance coupled to said loop circuit at another point, said coupling points dividing said loop into two parts, one of said parts being electrically a half wavelength or an odd multiple of a half wavelength longer than the other of said parts, high frequency loads of substantially equal impedance values coupled to said loop substantially midway between the points of connection of said source and said network, and means for differently modulating the energy delivered from said source to respective ones of said loads.

2,244,757

ELECTRIC MOTOR

Wilbur R. Appleman, Wausau, Wis., assignor to Marathon Electric Manufacturing Corporation, Wausau, Wis., a corporation of Wisconsin

Application June 9, 1939, Serial No. 278,177
6 Claims. (Cl. 172—279)



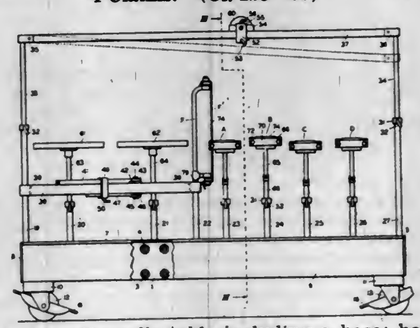
1. In an electric motor of the character described: a stator having two main windings each comprising a plurality of coils, the coils of one winding being grouped to produce one number of poles for one speed of the motor, the coils of the other winding being grouped to selectively produce a lesser or a greater number of poles than produced by the first mentioned main winding for greater and lesser motor speeds respectively, alternate groups of said second-designated winding being connected in series; one external lead connected to one end of the first-designated main winding and to one end of one series of alternate groups of the second-designated main winding; a second external lead connected to one end of the other series of alternate groups of said second-designated main winding; a third external lead connected to the opposite ends of both series of alternate groups of coils; a fourth external lead connected to the opposite end of the first designated main winding; and a three-position two-pole selector switch connected with a source of E. M. F. and said four external leads for selectively connecting the first-designated main winding with the source of E. M. F. in one position of the switch, and for connecting the second-designated main winding with the source of E. M. F. with the groups of coils connected to have current traverse adjacent groups in opposite directions in a second position of the switch to produce said lesser number of poles, and to have current traverse adjacent groups of coils in the same direction in the third position of the switch to produce said greater number of poles.

2,244,758

ORTHOPEDIC TABLE

William L. Bell, Oakland, Calif., assignor to Gilbert Hyde Chick, Oakland, Calif.

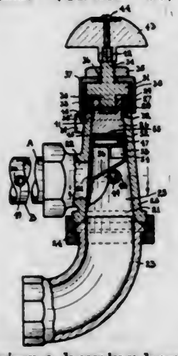
Application December 6, 1938, Serial No. 244,199
4 Claims. (Cl. 128—70)



1. An orthopedic table including a base; body

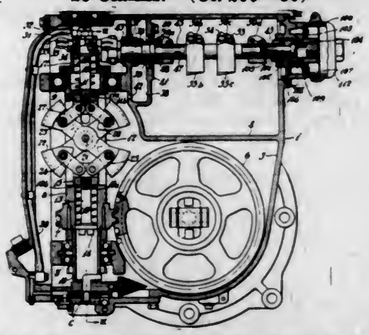
supporting means on said base; and a taut flexible perineal strip extending vertically from said base.

2,244,759
VALVE
Phil S. Bogardus, Council Bluffs, Iowa, assignor of one-half to Henry P. Maiers, Council Bluffs, Iowa
Application February 17, 1939, Serial No. 256,933
1 Claim. (Cl. 251—96)



A valve comprising a housing having a conical bore and an outlet extending through a wall of said housing from said bore, a rotatable plug having a wedge shape in cross section complemental to the shape of said bore, means for drawing said plug toward the narrower end of said bore for sealing said end, a gate for said outlet pivotally carried by said plug within said bore, a leaf spring carried by said plug for urging said gate toward the wall of said bore and outlet during rotary movements of said plug, and means disposed exteriorly of said housing having a connection with said drawing means and plug for rotating the latter in said bore for opening and closing said outlet.

2,244,760
SPEED RESPONSIVE DEVICE
Herbert L. Bone, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 30, 1938, Serial No. 216,718
16 Claims. (Cl. 200—80)

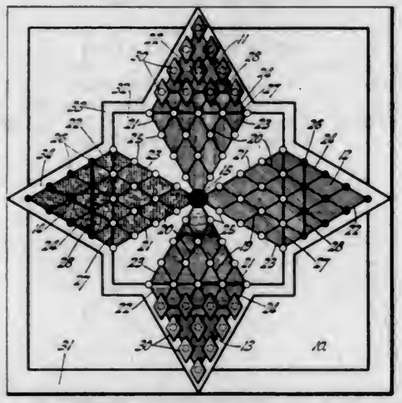


10. A governor comprising a cam shaft, centrifuge means for rotating said shaft between two positions, a cam sleeve constrained to rotate between two positions and slidable longitudinally along said shaft to two positions, a cam segment having a relatively wide cam face secured to said cam sleeve, a cam plate secured to said cam segment adjacent one end of its cam face and forming a continuation of its cam face, and a rocker pivotally supported adjacent said cam segment and biased to one position and provided with means cooperating with said cam segment for rotating said rocker to another position by engagement with the cam surface of said cam segment, said cam plate being beveled at an angle to the axis of said sleeve whereby by moving said sleeve longitudinally to different positions, the speed of said centrifuge at which said rocker is moved to its other position may be varied.

2,244,761
PRODUCTION OF TEXTILE YARNS
John Brandwood, Birkdale, Southport, England
No Drawing. Application January 29, 1940, Serial No. 316,273. In Great Britain December 14, 1938
1 Claim. (Cl. 19—66)

The method of forming a textile yarn of a soft and lustrous character from discontinuous fibers, which resides in treating a textile roving or slubbing with a dye bath containing a very weak solution of a substance having adhesive qualities to an extent sufficient to impart increased frictional resistance only to separation of the component fibers when dried, but insufficient to effect fixed adhesion of such fibers, finally removing any excess of the solution, and subsequently drying, whereby the production of the yarn and the dyeing of same is effected in a single operation.

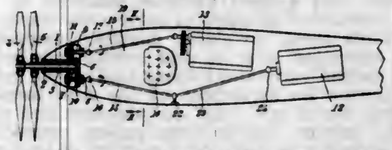
2,244,762
GAME BOARD
Howard E. Braymiller and Nellie F. Braymiller, Orchard Park, N. Y.
Application August 1, 1939, Serial No. 287,846
2 Claims. (Cl. 273—131)



1. A game board of the class described having a playing diagram thereon consisting of opposite pairs of diamond-shaped playing fields, the fields being symmetrically arranged about the center of the board with their axes at right angles to each other and having their triangularly-shaped inner ends independently interspaced and meeting and joining only in a one man blocking point constituting the only path of communication between one field and another field, a plurality of interspaced, intersecting lines extending over each playing field, a landing spot at each intersection for positioning a play piece, and each field having a home area with an identification landing spot at each of the inter-

sections of the lines of said area for the initial placement of the play pieces and for the final placement of an opponent's play pieces.

2,244,763
POWER PLANT FOR AIRPLANES
Ettore Bugatti, Paris, France
Application March 16, 1939, Serial No. 262,269
In Luxemburg March 19, 1938
5 Claims. (Cl. 244—55)



1. In an aircraft fuselage having at least one propeller at the front end thereof, a pilot seat within said fuselage behind said propeller, at least one motor mounted within said fuselage behind said pilot seat, and drive shaft means operably connecting the shafts of said propeller and said motor, said drive shaft means being, in plan view, in the form of a bent line passing to the side of said pilot seat.

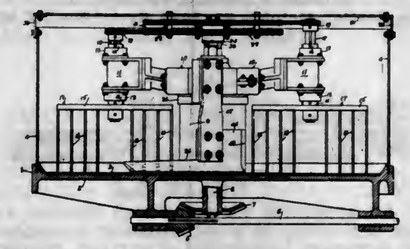
2,244,764
SMOKING DEVICE
Charles L. Carlton, Juliaetta, Idaho
Application July 12, 1939, Serial No. 284,053
4 Claims. (Cl. 131—175)



1. A device of the character described, comprising, a mouth-piece adapted to receive and retain the end of a cigarette, a shaft mounted on said mouth-piece and fixed thereto, an ash tray formed with a cigarette igniting opening and adapted to enclose said cigarette therein and provided with sections slidably and rotatably mounted on said shaft, toggle mechanism slidably connected to said shaft and pivoted to said sections for effecting relative rotation of the latter to an open position, said sections responsive to pressure to effect projection of said cigarette through said opening, means for normally maintaining said sections in closed position, and means for normally maintaining said sections in extended position relative to said mouth-piece.

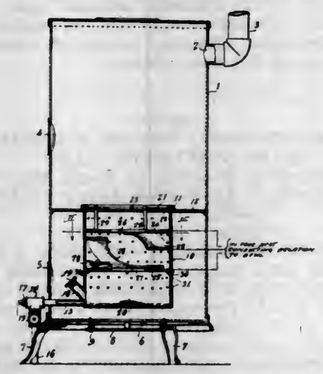
2,244,765
AGITATOR MULLER
Alfred C. Christensen and Barney Castor, Chicago, Ill., assignors to Herbert S. Simpson, Chicago, Ill.
Application June 22, 1939, Serial No. 280,605
2 Claims. (Cl. 259—102)

1. In a mixer, in combination, a mixing pan, two spaced independent mixing assemblies therein, means for causing each of said mixing assemblies to revolve in an orbital path, each of said mixing assemblies having an axis of rotation and comprising a plurality of aligned longitudinally spaced mixing rods disposed on both sides of said axis, said rods depending to a point adjacent the bottom of said mixing pan and their depending portion being free, a scraper engaging said pan and a plow engaging said pan bottom discharging into the orbital path of travel of said mixing assemblies, and means for rotating said



mixing assemblies about their own axes at different speeds as they revolve in said orbital paths.

2,244,766
OIL BURNER
Charles L. Cooper, Los Angeles, Calif., assignor to Sunbeau Oil Burner Company, Inc., Los Angeles, Calif.
Application August 8, 1936. Serial No. 94,964
2 Claims. (Cl. 158—91)

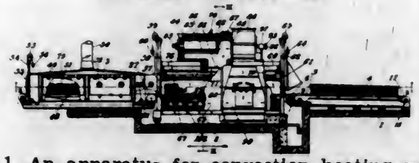


1.. A device of the type described comprising a fire box having bottom, side and top walls, the side walls having air inlet apertures therein and the top wall having an outlet opening therein, means for introducing liquid fuel into said fire box, and a heat-absorbing and reradiating body mounted in the upper portion of said fire box, said heat-absorbing and reradiating body comprising a pair of flat annular baffle plates spaced apart and a helical baffle plate positioned between said annular baffle plates.

2,244,767
TREATMENT OF RAYON
James F. Corbett, Lowell, and Kenneth H. Barnard, Andover, Mass., assignors to Pacific Mills, Lawrence, Mass., a corporation of Massachusetts
No Drawing. Application September 20, 1939, Serial No. 295,786
4 Claims. (Cl. 8—115)

1. The method of making a crinkled rayon fabric which comprises padding the cloth with a urea formaldehyde solution which will penetrate the fibres of the cloth, squeezing the cloth to force the resin into its fibres, setting the resin by heat, washing the cloth and then applying caustic soda and a thickener to selected areas of the cloth, to give the cloth a plissé effect.

2,244,768
APPARATUS FOR HEAT APPLICATION
William A. Darrah, Chicago, Ill.
Application October 31, 1938, Serial No. 237,909
2 Claims. (Cl. 263—43)

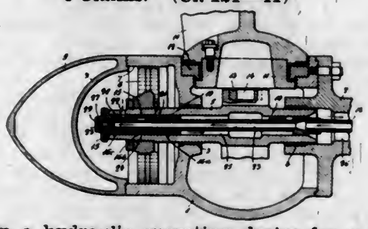


1. An apparatus for convection heating with great uniformity in a recirculating atmosphere, said apparatus consisting of a tight, insulated housing, a hearth member spaced from the bottom of the said housing and dividing said housing into a work chamber above the hearth member, and a gas supply duct below, ports through said hearth member and distributed over a large portion thereof and connecting said duct with said work chamber, and arranged to give close uniformity of heat distribution, a circulating fan having an inlet duct and an outlet duct; said fan inlet connected to the upper portion of said housing, and said fan outlet duct connected to said gas supply duct, whereby exhaust gases from said housing are delivered to said gas supply duct; and a combustion chamber connected to said fan inlet to supply hot gases thereto.

2,244,769
SUBSTITUTED HALO-PHENOL CARBOXYLIC ACIDS AND THEIR SALTS
George L. Doelling, St. Louis, Mo.
No Drawing. Application August 27, 1938, Serial No. 227,065
8 Claims. (Cl. 260—521)

1. A chemical compound comprising a salt in which the acid radical is a substituted halophenol carboxylic acid containing at least one but not more than three substituent groups each of which is one of the group which consists of the alkyl, aralkyl, aryl, alkoxy and cycloalkyl groups, the total number of carbon atoms in the substituent groups being not less than three nor more than twelve per molecule, and in which the basic radical is one of the group consisting of hydrogen, an alkali-metal, an alkaline-earth-metal, ammonium, and a lower aliphatic amine.

2,244,770
OPERATING DEVICE FOR PROPELLERS, TURBINE WHEELS, AND PUMP WHEELS HAVING ROTATABLE BLADES
John Elov Englesson, Kristinehamn, Sweden
Application January 12, 1938, Serial No. 184,512
In Sweden January 15, 1937
6 Claims. (Cl. 121—41)



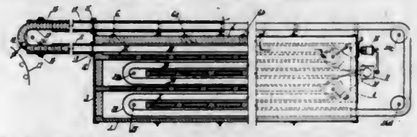
1. In a hydraulic operating device for a machine element on a shaft, a servomotor, part of which is located in said shaft so as to rotate with the same, said servomotor consisting of a cylinder and a piston, one of said members being movable and connected to said machine element, a control valve associated with said servomotor and comprising two members, one of said members being connected to the movable member of said servomotor so as to move in unison with the same, stops provided on said member of the control valve connected to said movable member of the servomotor and adapted to restrict motion of the second member of the control valve in such manner that said second member is capable of moving only a short distance relatively to the first mentioned member of the control valve, an operating lever, an elastic coupling connecting said operating lever to said second member of said control valve and holding said second member during its movement by the first member against one of said stops, an indicator, and non-elastic motion transmitting means connecting said indicator to said second member of said control valve.

2,244,771
COMPOSITE CONDUCTOR AND CONTACT BETWEEN CONDUCTORS
Henri Figour, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y.
Application August 2, 1939, Serial No. 287,888
In France August 16, 1938
6 Claims. (Cl. 175—366)



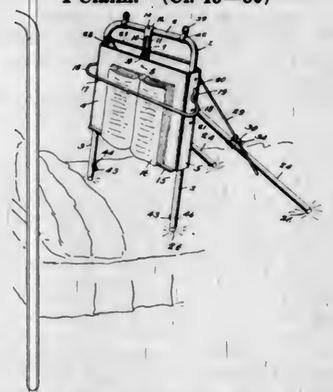
1. A conducting element comprising at least two conducting layers, one of said layers having an easily crushed spongy coating thereon, said coating and the surface of said other layer being in contact with each other, and means for pressing said two layers together at a pressure sufficient to crush the spongy surface.

2,244,772
GLASS ANNEALING LEHR
Paul L. Geer, Pittsburgh, Pa., assignor to Amco, Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 3, 1938, Serial No. 228,316
4 Claims. (Cl. 49—47)



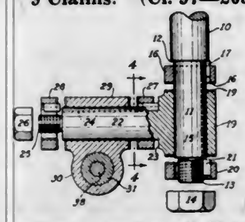
1. A glass annealing lehr comprising a plurality of relatively narrow annealing tunnels having their longitudinal axis in parallel relation and having the ends of adjacent tunnels in open communication, an endless conveyor for said tunnels adapted to support a single article of glassware in its transverse plane, heating means for some of said tunnels and positive cooling means for other of said tunnels, said heating and cooling means being arranged to constitute the tunnels into separate heating and cooling zones of gradually diminishing temperature in which the ware is subjected to a predetermined temperature gradient to initially heat the ware to annealing temperature and subsequently to a rapid cooling temperature after it has passed the critical annealing range.

2,244,773
ARTICLE SUPPORT
Ernest Everett Hawk, Tampa, Fla.
Application December 15, 1939, Serial No. 309,501
1 Claim. (Cl. 45—80)



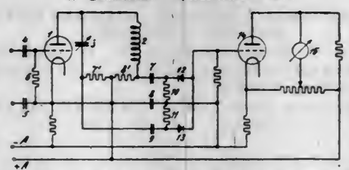
An article support comprising an upper end member and depending legs, a table for which the legs form a carrier, the table being provided with side wings extended behind the legs and affording a vertical adjustable connection between the table and the legs, an article retaining bail extended across the table and having inwardly extended stub shafts pivotally mounted in the wings and held against endwise movement by engagement between the bail and the wings, the wings being spaced from the legs, to space the stub shafts from the legs, and a vertically adjustable connection between the upper portion of the table and the end member, the connection being a clamping connection, releasably holding the table against swinging sidewise.

2,244,774
COLTER
William John Hewitt, McMinnville, Oreg.
Application March 11, 1940, Serial No. 323,329
9 Claims. (Cl. 97—209)



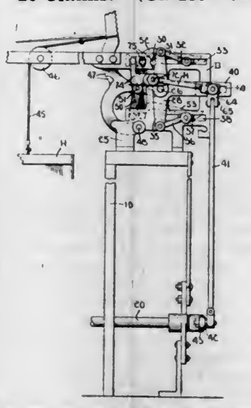
1. In a colter mounting of the character described, a shaft, means for securing said shaft in a desired position, a shoulder on said shaft, a member slidably and rotatably mounted on said shaft beyond said shoulder, the ends of said member being formed into annular radially-toothed surfaces, a pair of slidably-mounted annular discs on said shaft adjacent said ends of said member respectively, the adjacent faces of said discs being toothed to co-act with said toothed ends of said member, a key-way extending longitudinally in said shaft, each of said discs carrying a key slidable in said keyway, a clamping element on the end of said shaft holding said member and said discs normally in engaging position but, when loosened, permitting said member to be disengaged from said discs and thus to be rotated on said shaft, a trunnion on said member, a rotatable element supported in said trunnion and a colter disc attached to said rotatable element, whereby the plane of rotation of said colter disc may be varied by adjusting said member on said shaft.

2,244,775
ELECTRICAL OSCILLATORY CIRCUITS
Karl Heinz Hofmann, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application August 25, 1938, Serial No. 226,735
In Germany June 26, 1937
2 Claims. (Cl. 250—40)



1. Phase indicating means for electrical oscillatory circuits having an inductance and a capacity connected in parallel with each other comprising impedances connected in series with said inductance and said capacity respectively to produce separate currents in said impedances proportional to the respective charging currents of said inductance and said capacity, rectifier means coupled to said impedance for separately rectifying currents proportional to the separate voltages across said impedances and means for comparing said rectified currents comprising means for combining the resulting rectified currents in opposition and producing a voltage from the currents so combined, an electron tube, means for applying said voltage to the input of said tube, and indicating means connected to the output of said tube.

2,244,776
LOOM DOBBY
Elbridge R. Holmes, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application January 9, 1940, Serial No. 313,089
10 Claims. (Cl. 139—71)



1. In a loom having harness frames and an oscillating actuator to move the harness frames by angular motion of the actuator, the loom having a driver for the actuator having a working stroke the rate of motion of which is relatively slow at the start of the stroke and rela-

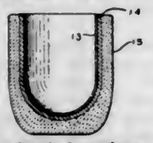
tively fast near the end of the stroke, that improvement comprising a driving connection between the driver and actuator movable progressively with respect to the axis of the actuator throughout the working stroke of the actuator, and means to locate the driving connection at a point relatively near the axis of the actuator when said driver is moving relatively slow at the start of its working stroke and locate said driving connection at a point relatively remote from the axis of the actuator when the driver is moving relatively fast near the end of the working stroke.

2,244,777

REFRACTORY PRODUCT AND METHOD OF MAKING THE SAME

Harrison P. Hood, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application June 1, 1937, Serial No. 148,784
16 Claims. (Cl. 25—156)



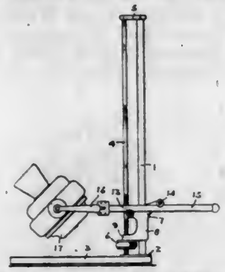
12. The method of forming refractory materials which comprises mixing stannic oxide with a small amount of a copper containing compound, molding said mixture under pressure into a body of desired shape and sintering said body.

2,244,778

ADJUSTABLE MOUNTING FOR PORTABLE X-RAY EQUIPMENT

Caperton B. Horsley, Toronto, Ontario, Canada, assignor, by mesne assignments, to Sutton-Horsley Company Limited, a company of Ontario, Canada

Application February 27, 1939, Serial No. 258,696
5 Claims. (Cl. 248—125)



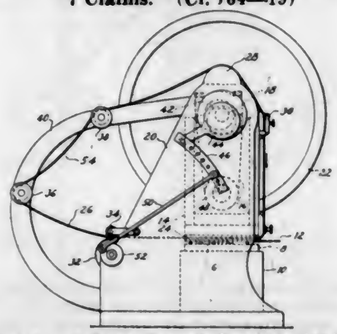
2. In a device of the class described having a mounting bracket adapted to form a support for an X-ray head, a vertical threaded spindle rigidly mounted and slidably associated with said bracket, means for guiding the bracket in a path longitudinally of said threaded spindle to prevent rotation of the bracket thereabout, a hand wheel member threaded on said spindle and disengageably contacting an under-surface of the bracket in supporting and rotating friction contact, the pitch of the engaging threads of the spindle and hand wheel being such that by raising the bracket clear of contact with the hand wheel the latter will automatically rotate to allow the hand wheel to assume a lower position on the spindle, the contact surfaces between the hand wheel and bracket being constructed and arranged to present sufficient frictional resistance as to constrain the hand wheel against automatic rotation when the bracket rests thereon.

2,244,779

PERFORATING MACHINE

Alden W. Howard, Holbrook, Mass., assignor to Howard Paper Company, Boston, Mass., a corporation of Massachusetts

Application November 27, 1939, Serial No. 306,286
7 Claims. (Cl. 164—19)



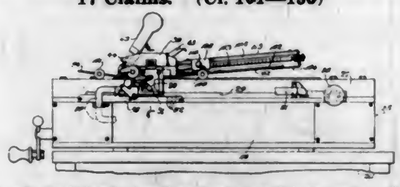
1. In a machine for perforating leather and the like, comprising a die, a platen, and means for moving one of said elements toward and from the other to cause the die to penetrate the work, a backing for the work adapted to space the work from the platen and to be partially penetrated by the die when the work is pierced, said backing consisting of a strip composed of rubber compounded with a substantial proportion of unwoven fiber, and means for advancing the strip over the platen after a perforating operation.

2,244,780

DUPLICATING APPARATUS

Hubert Jagger, Maywood, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

Application May 13, 1940, Serial No. 334,851
17 Claims. (Cl. 101—133)



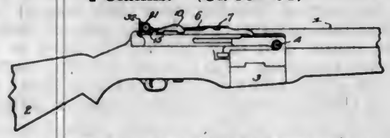
1. A flat bed duplicating machine, comprising in combination a frame, a bed mounted on said frame and provided with means for holding a duplicating pad in position thereon, a carriage movable along said bed longitudinally of the machine, a tray on said carriage for supporting a copy sheet, means for forcing the copy sheet at a predetermined point on the tray into printing relationship with said duplicating pad, a margin bar movably mounted on said carriage in transverse position thereon so as to be adjustable on the carriage longitudinally of the machine, releasable holding means adapted normally to hold the margin bar at any of a series of successive stop positions but adapted to yield for adjustment of the margin bar from one stop position to another, and means for giving said carriage successive step movements along the bed for bringing copy sheets into printing relationship with different portions of the duplicating pad.

2,244,781

GUN SIGHT

Melvin M. Johnson, Jr., Brookline, Mass., assignor to himself, Melvin M. Johnson, and Edward E. Rice, as trustees of Johnson Patent Trust, Boston, Mass.

Application August 2, 1940, Serial No. 349,720
4 Claims. (Cl. 33—54)



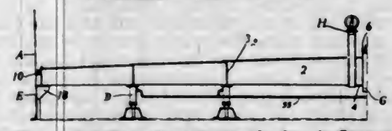
1. A gun sight comprising a support, a pivot pin projecting rearwardly from the support, a disk fast to the pin with a space between the disk and support, a ring rotatably mounted on said pin in said space, said disk having a view opening substantially in the vertical plane of said pin and said ring having slight openings circumferentially distributed around said pin at different radial distances intermediate the limiting radii of the upper and lower edges of said view opening, and said ring having a peripheral flange extending rearwardly around said disk.

2,244,782

STORAGE TANK FOR INFLAMMABLE LIQUIDS

George Allen Jones, Melbourne, Victoria, Australia

Application November 2, 1937, Serial No. 172,452
In Australia November 25, 1936
4 Claims. (Cl. 220—26)



4. In a circular storage tank for inflammable liquids, a circular cellular floating roof therefor of lesser diameter than the tank and having a deck sloping downwards from the center thereof to its circumference the said deck forming the tops of the cells, a central vertical dip hatch tube, vertical ribs extending radially from the outer wall of said tube, vertical partitions transverse to said ribs and a peripheral skirt constituting with said deck the cells of the roof open at the bottom and closed at the top and sides, means for testing and equalizing the pressure of the air in said cells when the roof is afloat, supports for the roof when not afloat co-operating with said radial ribs and means preventing rotary movement of said roof to ensure said co-operation.

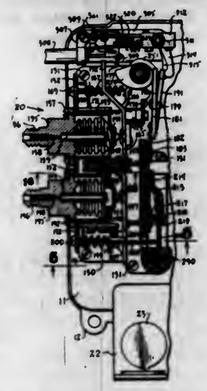
2,244,783

CONTROL DEVICE

Albert L. Judson, Portland, Oreg., and Carl G. Kronmiller, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application March 17, 1938, Serial No. 196,447
13 Claims. (Cl. 200—83)

1. An adjustable control device, comprising in combination, a condition responsive device movable upon changes in a condition, a plurality of contacts operated thereby and movable upon movement of the condition responsive device, a plurality of relatively stationary contacts each adapted to be engaged by a movable contact, a plurality of levers each carrying a stationary contact, a cam for each lever for moving the same to adjust the positions of the relatively stationary contacts with respect to the movable contacts, means associated with each cam for independently operating each cam to adjust independently the switching functions performed by the relatively stationary and movable contacts, and an adjustable calibrating spring opposing movement of said condition responsive device.

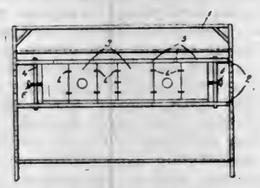


2,244,784

HIGH-FREQUENCY ARRANGEMENT

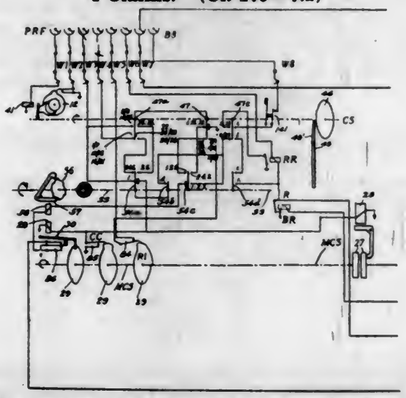
Willy Jüttner, Berlin-Staaken, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company

Application October 27, 1937, Serial No. 171,278
In Germany November 2, 1936
1 Claim. (Cl. 211—71)



A supporting and clamping rack for supporting and clamping a plurality of boxes comprising a lower supporting member being relatively long with respect to its width and having holes distributed longitudinally therein, guide means along the longitudinal edges of said member, said means being spaced apart a distance substantially equal to the depth of said boxes, an upper member having holes therein, said holes being distributed along said member in the same manner as the holes in said lower member, uprights between said members for spacing said members from each other a distance at least equal to the height of said boxes, and means for preventing motion of said boxes longitudinally of said members, said means being spaced apart a distance at least equal to the combined widths of boxes mounted on said lower member and at least one of said means comprising a rod adapted to be inserted between said members in one of the holes in said upper member and in a corresponding hole in the lower member and a screw passing through said rod at right angles thereto and being threaded to said rod, said screw being in adjustable contact with a side of an end one of said boxes.

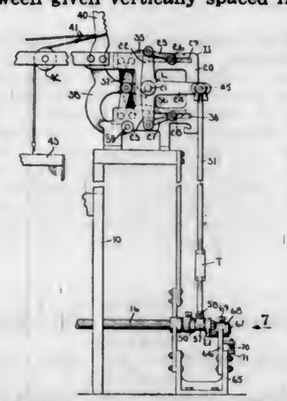
2,244,785
AUTOMATIC TICKETING SYSTEM
Ladislas Kozma, Antwerp, Belgium, assignor to International Standard Electric Corporation, New York, N. Y.
Application October 27, 1937, Serial No. 171,274
In Great Britain November 20, 1936
4 Claims. (Cl. 179—7.1)



1. Automatic equipment for recording data relating to connections set up via communication systems which have a number of trunks; comprising a first mechanism for recording preliminary information of the type which can be ascertained before the termination of a connection, a first group of duration recorders for recording timing information dependent upon the time of disconnection of a connection, said first group of recorders being permanently mechanically associated with said first mechanism and being provided with means for transferring a recording medium from said first mechanism to any of the recorders of said first group; a second mechanism similar to said first mechanism, a second group of recorders similar to said first group, said second group of recorders being permanently mechanically associated with said second mechanism and being provided with means for transferring a recording medium from said second mechanism to any of the recorders of said second group; means for operatively associating either one of said mechanisms with a connection relative to which data is to be recorded, and means for associating with said same connection one of the recorders of that group which is associated with said one of said mechanisms, whereby a single one of said mechanisms may record on separate media the preliminary information relating to a number of copending connections whereas the timing information relating to such connections may be recorded on the appropriate ones of said same media by the mechanically associated group of recorders.

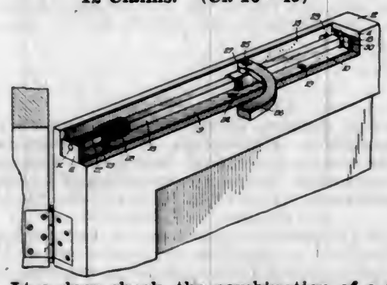
2,244,786
DRIVE FOR LOOM DOBBIES
Clarence R. Kronoff, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application February 12, 1940, Serial No. 318,546
7 Claims. (Cl. 139—71)

1. In a loom having a rotating crank arm secured to a driving shaft and a harness actuating dobby mechanism including in its construction a rocking shaft above the driving shaft and to which is fixed a three-arm lever having oppositely extending arms, one above and the other below the rocking shaft, said oppositely extending arms being connected to harness lifting knives slidable relatively to the dobby mechanism in a direction having a horizontal component, the third arm of the lever extending laterally from the rocking shaft and being attached at a given point to a connector rod which swings in a vertical plane during loom operation from a position inclined in one direction with respect to a vertical line passing through the axis of the rotating crank arm to a position inclined in the opposite direction with respect to said vertical line, the given point on the third arm rising and falling between given vertically spaced limits as



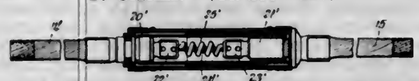
the rocking lever moves from one to the other of its extreme positions, that improvement comprising a movable driving connection between the lower end of the connector rod and the crank arm movable along the crank arm to be at different distances from the driving shaft during rotation of the latter, and means to move said movable driving connection toward and from the driving shaft to cause said given point on the third arm to move vertically through one-half the distance between said limits when the driving crank arm has completed a quarter revolution from a position vertically aligned with the driving shaft.

2,244,787
SLIDE CONNECTION AND STOP FOR DOORS AND THE LIKE
Elmer E. Lakemacher, Chicago, Ill., assignor to Norton Lasier Company, Chicago, Ill., a corporation of Illinois
Application April 15, 1939, Serial No. 267,959
12 Claims. (Cl. 16—49)



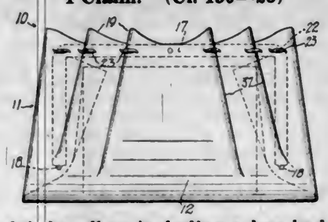
1. In a door check, the combination of a slide bar having shoulders adjacent the ends thereof, means for supporting said bar, and a spring clip on said bar engaging said supporting means and one of said shoulders.

2,244,788
FUSE CONSTRUCTION
Sigurd I. Lindell and Anthony Van Ryan, Chicago, Ill., assignors to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware
Application December 28, 1939, Serial No. 311,337
17 Claims. (Cl. 200—117)



1. A fuse link comprising, in combination, a pair of conductors in spaced relation interconnected by fusible means and protecting means for said fusible means including an outer sleeve of insulating material and a two part inner sleeve, one part being formed of metal and the other part being formed of ceramic material, said parts being in end-to-end relation.

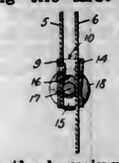
2,244,789
LADY'S HANDBAG
Rudolph Lobel, New York, N. Y.
Application June 5, 1940, Serial No. 338,877
1 Claim. (Cl. 150—28)



A lady's handbag including a bag body having a mouth defined by end walls and side walls, the material of the latter being substantially greater in length at the mouth than at the bottom but with the side walls having pleats increasing in width toward the mouth to thus reduce the overall length of the material of the side walls at the mouth, a frame for said mouth comprising frame members movable toward and away from each other, the side walls of the bag body lying wholly at the outer sides of the frame members, and clamping fasteners extending through the pleats, constructed and arranged for permanently securing the pleats to the frame members to thus reenforcingly mount the bag body and to clamp the pleats in relatively thin form and to thus maintain the pleats in position on the frame members, the side walls being otherwise substantially free of the frame members, and the pleats being otherwise substantially free and open, whereby the tension on the bag body in carrying articles is transmitted to the frame members only through the pleats to cause the pleats to be maintained smooth and taut and to prevent distortion of unsecured portions of the bag body intermediate of the pleats.

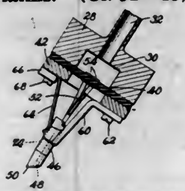
2,244,790
ADJUSTABLE SUPPORT
Roy J. Maier, Los Angeles, Calif., assignor to Reed Corporation of America, Los Angeles, Calif., a corporation of California
Application August 22, 1939, Serial No. 291,422
1 Claim. (Cl. 287—58)

A device of the character described, comprising a pair of bars connected together for relative endwise movement, a housing fixed to one end of one bar and having a pair of oppositely disposed elongated slots, a roller pivotally and slidably mounted in said slot, one wall of said housing extending at an angle in respect to the slots, a guide carried by the upper end of the other bar and surrounding the first mentioned bar and



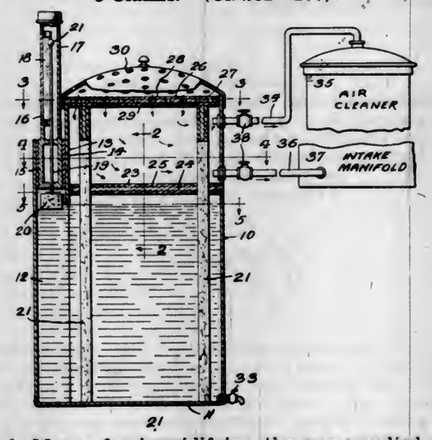
passing through the housing between the angular wall and the roller, supporting means carried by the lower end of the bar, and knurled discs carried by each end of the roller on the outside of the housing.

2,244,791
NOZZLE FOR COATING APPARATUS
Wilbur L. MacKenzie, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application June 13, 1940, Serial No. 340,348
5 Claims. (Cl. 91—43)



1. In a coating machine, a nozzle comprising a chamber to which coating material is supplied under pressure, a diaphragm of flexible material closing said chamber, and a delivery member having one end secured to said diaphragm and the other end positioned for engagement with the work.

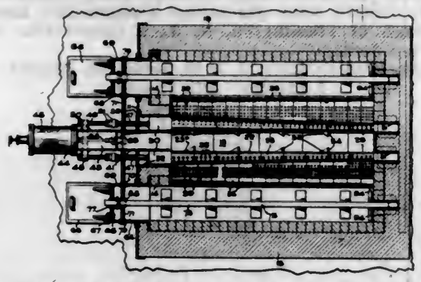
2,244,792
HUMIDIFIER
Ray E. Miller, Gilbertsville, N. Y., assignor of one-half to Daniel E. Shaw, Binghamton, N. Y.
Application July 19, 1940, Serial No. 346,439
5 Claims. (Cl. 261—107)



1. Means for humidifying the gas supplied to an engine equipped with an air cleaner for supplying air to its carburetor and with an intake manifold; said means comprising, a casing,

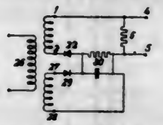
standards arranged in said casing and provided with wicks throughout thair length, a wick covered perforated dick supported on said standards, a wick covered imperforated disk fixed to said standards below said perforated disk and above liquid contained in said casing, both of said disks coacting with said casing to provide an air moistening chamber in said casing above said liquid, and means for connecting said chamber to said air cleaner and manifold for supplying moist air to said cleaner and manifold.

2,244,793
STOKER APPARATUS
Donald J. Mosshart, Springfield, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 12, 1939, Serial No. 250,493
14 Claims. (Cl. 110—44)



1. In combustion apparatus, a furnace having lateral ash discharge means, a horizontal fuel support, a pair of elongated members reciprocatorily mounted on said support in spaced parallel relation and defining a retort extending from front to rear of the furnace, horizontal grates extending laterally from the elongated members to the ash-discharge means, mechanism for supplying fuel to the retort and feeding it longitudinally thereof, and means for reciprocating the elongated members, said members being tapered towards the rear, whereby reciprocatory movement thereof urges the fuel along the grates laterally of the furnace to the ash-discharge means.

2,244,794
TELEVISION SYSTEM
Peter Neidhardt, Berlin-Schoneberg, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application March 14, 1939, Serial No. 261,716
In Germany August 5, 1937
4 Claims. (Cl. 178—69.5)

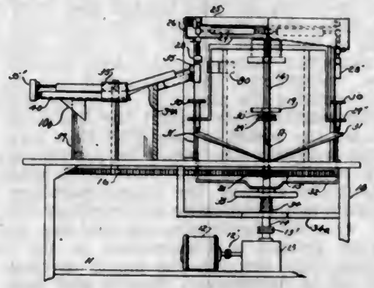


1. In a gap-synchronized television system having timing apparatus a circuit for transmitting to the timing apparatus only the synchronizing impulses from a received and demodulated mixture of picture signals and synchronization impulses of the type wherein the picture signals lie wholly on one side of a predetermined amplitude level and the synchronization impulses lie wholly on the opposite side of said amplitude level, which comprises transmission means for passing only the alternating current components of said mixture, a first square law rectifier connected to the output of said transmission means and poled to permit the transmission to the timing apparatus of pulses of synchronization polarity, a second rectifier connected to the output of said transmission means and poled to cause rectification of pulses of opposite polarity, voltage smoothing means having a time constant of the order of magnitude of the duration of a scanning line connected to smooth the output of said second rectifier, and means for applying to said first rectifier in a transmission-reducing sense the rectified and smoothed output of said second rectifier.

2,244,795
COATED SHEET MATERIAL AND ARTICLE MADE THEREFROM
Floyd E. Williams, Gary, Ind., assignor to Marbon Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 22, 1937, Serial No. 138,366. Renewed November 15, 1939
8 Claims. (Cl. 229—55)

1. A coated paper bag capable of retaining oil an extended period of time, comprising paper having associated therewith a relatively non-volatile, oil-resistant softener which prevents the paper from cracking on creasing during the formation of the bag and during usage, the paper being of a type and thickness that in its dry unsoftened state it will crack on creasing, the softener being sealed into the paper by a thin adhering oil-proof coating covering both sides of the paper and comprising a rubber hydrochloride.

2,244,796
REVENUE SEAL STAMP AFFIXING MECHANISM
Hubert S. Ogden, Los Angeles, Calif.
Application November 14, 1939, Serial No. 304,378
5 Claims. (Cl. 216—55)

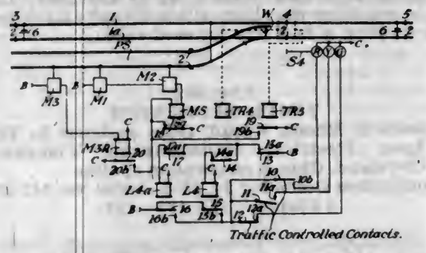


1. In a mechanism to deposit about and affix to the neck of a bottle a revenue seal stamp, a transfer head and means to transport said head over a predetermined path, said head comprising a vacuum chamber fixed to a supporting shaft, a compressible pad fixed to said vacuum chamber and containing orifices leading from the vacuum chamber to the contact surfaces of the pad, other vacuum chambers, with compressible pads containing orifices leading from the vacuum chambers to the contact surfaces of the pads, pivotally fixed to the longitudinal extremities of the fixed vacuum chamber, roller means of revolving the pivoted vacuum chambers about their pivot points, spring means assisting in the revolving movement, cam and valve means for actuating the several vacuum chambers in a predetermined sequence.

3. In a mechanism to deposit about and affix to the neck of a bottle comprising a movable container for revenue seal stamps fixed to a retractable arm the said arm fixed to a central source of rotary motion, a fixed cam engaging the container and imparting a horizontal motion thereto and a fixed cam engaging the arm imparting vertical motion to the container arm.

5. In a mechanism to deposit about and affix to the neck of a bottle a revenue seal stamp, bottle carrying means comprising a horizontal platform guided by a bracket fixed to a source of rotary motion, and the said platform supported by a rectangular shaft slidably engaged in the bracket and resting on a cam, the said cam being adjustable to different heights by the vertical movement of a screw adjusting means.

2,244,797
RAILWAY TRAFFIC CONTROLLING APPARATUS
Bernard E. O'Hagan, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 28, 1939, Serial No. 287,109
7 Claims. (Cl. 246—219)

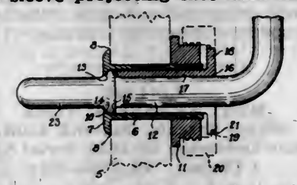


Traffic Controlled Contacts.

1. In combination, a stretch of railway track provided with an insulated track section having a track relay, a normally non-illuminated signal for controlling traffic in said section, two track instruments located spaced apart along said stretch in the rear of said signal, each said track instrument having a normally closed contact which is operated to an open position in response to actuation by a moving train, a stick relay normally energized over a stick circuit including the normally closed contact of the one of said two track instruments located nearer said signal, means controlled by said stick relay for controlling said signal to its illuminated condition, a first pick-up circuit for said stick relay controlled by the contact of said one track instrument and by said track relay, and a second pick-up circuit for said stick relay controlled by the respective contacts of each of said two track instruments in such manner that a train receding from said signal past said two track instruments establishes said second pick-up circuit.

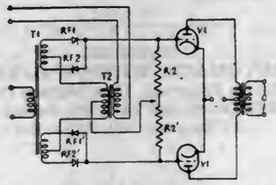
2,244,798
SANITARY FITTING FOR THERMOMETERS
Raymond E. Olson, Pittsford, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application March 28, 1940, Serial No. 326,446
7 Claims. (Cl. 73—375)

1. In combination, a receptacle wall having an aperture therein, a tubular sleeve fitting the aperture, said sleeve having at one end thereof a flange engaging the inner surface of said wall and having an internal conical seat at approximately said surface, a thermometer stem of a size to project through said sleeve leaving an interspace therebetween, said thermometer stem having an integral ferrule provided with a circumferential conical seat to engage said first-mentioned seat and also provided with an opposing shoulder, a U-shaped sleeve projecting into said interspace



with an end of said sleeve engaging said shoulder, a fastening nut engaging the other end of said tubular sleeve and the outer surface of said receptacle wall to anchor said tubular sleeve in said wall, and a clamping nut engaging the other end of said U-shaped sleeve and in screw threaded engagement with said fastening nut, said clamping nut being of a size to receive said ferrule therethrough.

2,244,799
ELECTRICAL FREQUENCY TRANSLATING DEVICE
Leslie Harold Paddle, London, England, assignor to Telephone Manufacturing Company Limited, West Dulwich, London, England, a British company
Application November 15, 1938, Serial No. 240,583
In Great Britain December 24, 1937
2 Claims. (Cl. 179—171.5)



1. An electrical frequency translating device comprising a transformer having a winding, an external circuit including said winding, four other windings inductively coupled to said first-mentioned winding, on said transformer, two closed networks, each network including two of said four windings and two rectifiers, each network having its two windings connected together at one end, the other end of one winding being connected to one terminal of one rectifier and the other end of the other winding being connected to one terminal of the other rectifier, means connecting the other terminals of the two rectifiers together, said windings and rectifiers of each network being thus connected in series with each other with the rectifiers connected in the same sense, each network having only two external connections, one at the junction between the two rectifiers and one at the junction between the two windings, a second transformer having a winding included in a second external circuit, a pair of windings connected together at one end and inductively coupled to the first winding of said second transformer, one of the pair of windings of the second transformer having its other end connected to one external connection of one network and the other of said pair of windings of the second transformer having its other end connected to a corresponding

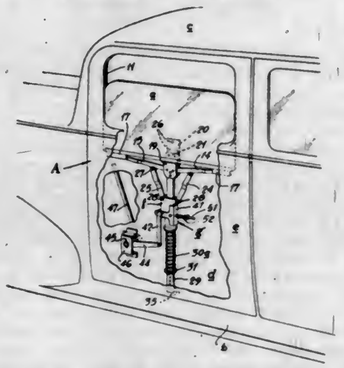
external connection of the other network, variable resistance means connected between the other external connections of the two networks and junction point of the pair of windings of the second transformer, a thermionic valve having a cathode and a grid associated with each network and having its grid connected to said other external connection of its respective network, and means connecting the cathodes of the two valves of the respective networks together.

2,244,800
HEAT TRANSFER TUBE
Miguel Pascale, Oakland, Calif.
Application December 26, 1939, Serial No. 311,050
1 Claim. (Cl. 257—262)



A boiler tube substantially elliptical in cross-section and having internal webs parallel to the minor axis of the tube and spaced on opposite sides thereof for heat transfer and for tying the opposite walls of the tube together and with said webs formed in short sections and longitudinally spaced to provide fluid passages between the chambers formed on opposite sides of the webs; and fins located internally between said webs and formed in short sections spaced longitudinally and extending throughout the length of the tube, and similar fins located externally of said tube to provide external heat transfer means, said short sections compensating for thermal expansion and contraction.

2,244,801
AUTOMATIC WINDOW OPENER
Carl Milton Peterson, Huntington Park, Calif.
Application December 14, 1938, Serial No. 245,660
6 Claims. (Cl. 268—125)



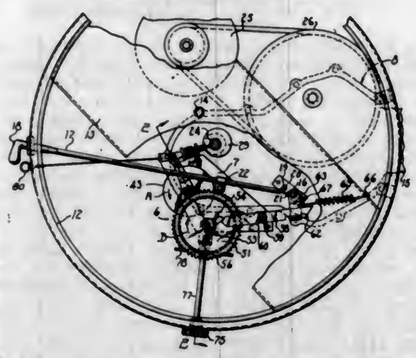
2. Improved window operating means, including toggle arms for applying force to said window to raise or lower same, a slidable member, and said toggle arms being operatively connected with said slidable member; actuating means being provided to move said slidable member; and a locking member cooperating with said slidable member and with a fixed member to hold said slidable member locked during assumed window position, said locking member being pivotally disposed in connection with said slidable member, and having detents cooperating with notches therein for alternate use in the movement of said slidable member in opposite directions, said slidable member including a pin adapted to engage with one of a plurality of recesses in said fixed member.

2,244,802
COLLAR
Ridgely B. Pierson, Quincy, Ill.
Application April 3, 1939, Serial No. 265,831
4 Claims. (Cl. 2—131)



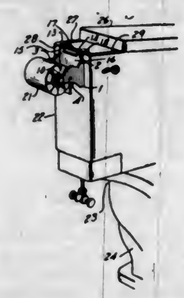
1. The method of producing a folding collar comprising forming an outer and inner cloth piece and an intermediate fusible element, then stitching a line of chain-stitching near the folding zone of the inner cloth piece, then uniting these parts by heat and pressure whereby the same are fused together except at the line of chain-stitches, sewing a neck band to the lower edge of the fused element as by stitching, and then removing the chain-stitch thread and thereby forming a fold line for said collar.

2,244,803
TIMER MECHANISM
Martin E. Rhode, Euclid, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 24, 1938, Serial No. 247,576
5 Claims. (Cl. 192—139)



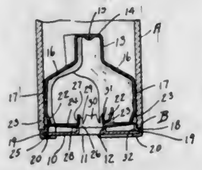
1. A timer for controlling the period of operation of an oscillating shaft comprising a gear case for supporting said shaft and timer, a clutch-control shaft projecting through said gear case, an eccentric on said oscillating shaft, a pair of operatively connected rotatable timer elements, a pawl and ratchet operatively connected to said eccentric and to said rotatable timer elements, to progressively advance said elements upon each oscillation of said eccentric and oscillating shaft, said pawl and ratchet and rotatable timer elements constructed and arranged to rotate one of said timer elements more slowly than the other, means operatively connected to said clutch-control shaft and to the slow moving timer element whereby said clutch control shaft is moved by said means in response to a pre-determined number of oscillations of said eccentric.

2,244,804
HOLDER
Elliott L. Robinson, Oklahoma City, Okla.
Application May 16, 1938, Serial No. 208,155
1 Claim. (Cl. 242—55.2)



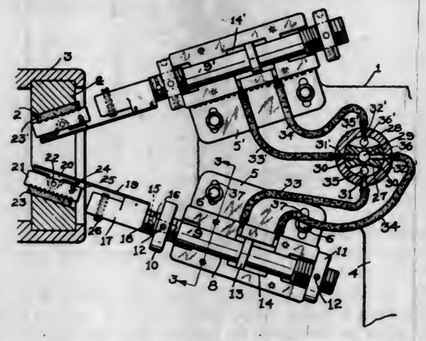
In a device of the character described, a body member comprising a plane blank having spaced arms bent forwardly relative to the side edges and plane of the blank adapted to form a holder for a roll of paper to be mounted therebetween and having at least one arm bent first rearwardly and then downwardly relative to the top edge and plane of said body member blank adapted to form a hook for attaching the device to a support therefor, said hook forming arm being of flat sheet structure of sufficient thinness to allow a cover normally engaged with the support to assume its operative substantially normal position relative to the support and frictionally clamp the device to the support.

2,244,805
CASTER SOCKET
Oscar C. Roth and Bernard Wilming, Evansville, Ind., assignors to Faultless Caster Corporation, Evansville, Ind., a corporation
Application February 16, 1939, Serial No. 256,617
5 Claims. (Cl. 16—39)



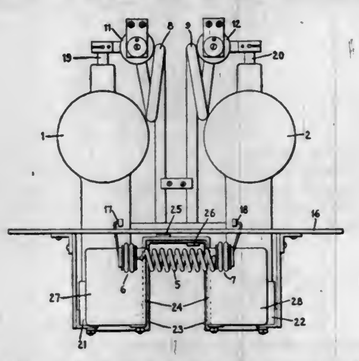
1. In a caster socket including a track-plate and a spring arm frame structure operatively connected together to form a relatively clear chamber therebetween, the structure being arranged to form a peripheral restricting chamber arrangement and adjacent its upper end having inwardly directed portions terminating in an elongated tubular bearing opposite the plate and coaxial with an aperture in the plate for caster stem reception, the combination of a disc type member in said chamber and correspondingly apertured for stem reception, means adjacent the member aperture and carried by the member and frictionally engaging a stem when seated in the chamber for detachable connection of the stem and socket, the periphery of said member having cooperative association with portions of the spring arm structure for limiting movement of the member, the stem being removable from the socket upon forcible axial pull applied to the stem, the arm structure included cooperating portions comprising inwardly directed tongues integral with the arm structure.

2,244,806
HONING APPARATUS
William D. Schmidt, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application March 11, 1936, Serial No. 68,290
2 Claims. (Cl. 51—67)



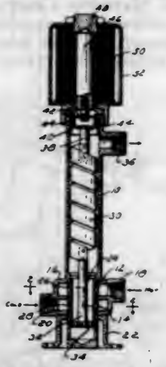
1. In a honing device, a hone, a spindle carrying said hone, fluid pressure means, including a cylinder and piston, one of which is connected to the spindle for reciprocating the latter, and means, including adjustable collars on the spindle, for limiting the length of the reciprocatory movement.

2,244,807
PUSH-PULL HIGH FREQUENCY STAGE
Max Schrumpf, Berlin, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application November 29, 1938, Serial No. 242,912
In Germany November 10, 1938
5 Claims. (Cl. 179—171)



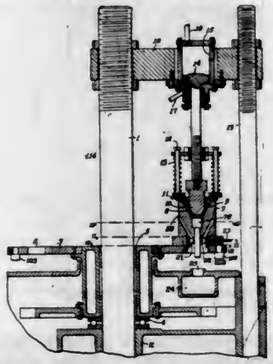
1. A high frequency stage comprising push-pull connected electron tubes, a metal plate of zero potential, grid leads laterally projecting from said tube substantially on the level of said metal plate, heating conductors for said tubes extending toward said plate independently of each other, and impedance means for rendering said conductors symmetric with respect to said plate in high frequency fashion, said means being located in close proximity to said metal plate, whereby retroactive coupling in said stage is reduced.

2,244,808
VALVE
Ray W. Scott and Andrew O. McCollum, Detroit, Mich., assignors to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware
Application June 27, 1938, Serial No. 215,985
5 Claims. (Cl. 236—12)



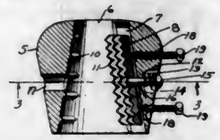
1. A combined mixing and cut-off valve comprising a hollow valve body having spaced ports for inlet of fluids to be mixed and an outlet port for the mixed fluid, a valve member movably mounted in the body and having spaced portions to control said ports, thermostatic means in the body responsive to the temperature of the mixed fluids to move said valve in one direction to control the relative opening of the inlet ports and electrical means to move the thermostatic means and the valve member as a unit in a direction to close and open all of the inlet ports.

2,244,809
TUMBLER PRESS
Theodore H. Sloan, Charleroi, Pa., assignor to G. M. S. Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 25, 1937, Serial No. 150,290
12 Claims. (Cl. 49—38)



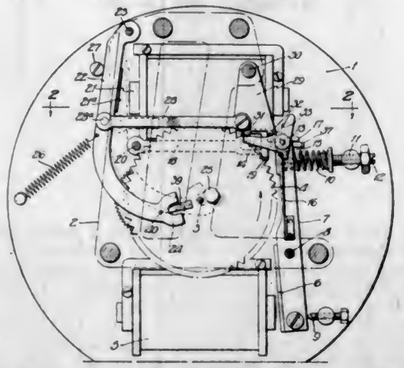
8. A drive mechanism for a ware-forming machine comprising a table drive, a plunger drive and a feeder drive, a common actuator for said drives, means for varying angular movement of the table drive independently of the feeder drive, and means for varying the speed of the plunger movements independently of said table or feeder speeds during the continuous operation of said respective drive mechanisms.

2,244,810
HORN FORMING WEIGHT
Ernest G. Stone, Denver, Colo., assignor to O. M. Franklin Serum Company, Denver, Colo., a corporation of Colorado
Application September 20, 1940, Serial No. 357,584
2 Claims. (Cl. 128—76)



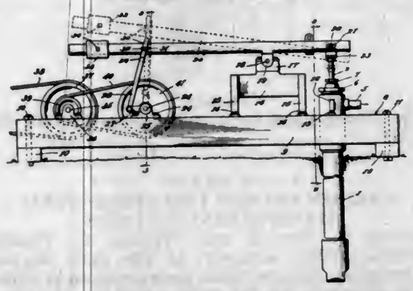
2. A horn weight adapted to be attached to the horn of an animal, said weight having a tapered opening therethrough, the wall of said opening having an elongated depressed area extending lengthwise of the opening, a clamping block positioned in the opening, the wall of the depressed area having a hole, the wall of the hole having an outwardly facing shoulder, a headed pin extending through the hole, the inner end of the pin being secured to the clamp block, a helical compression spring surrounding that portion of the pin between the shoulder and the head for urging the clamp block towards the bottom of the depressed area, and two set screws threadedly connected with the weight and positioned for engagement with the clamp block on opposite sides of the pin, said screws serving to move the clamp block inwardly into engagement with the surface of a tapered horn and to adjust the inclination of the block to correspond to the taper thereof.

2,244,811
SYNCHRONIZED SECONDARY CLOCK MOVEMENT
Lucien B. Stone, South Orange, N. J., assignor to Self Winding Clock Company, Inc., Brooklyn, N. Y., a corporation of New York
Application August 19, 1939, Serial No. 290,990
4 Claims. (Cl. 58—34)



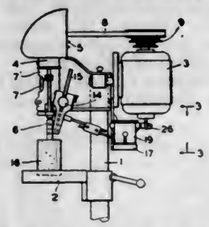
1. In a secondary clock movement having a toothed step wheel connected to a hand arbor, an oscillating feed member bearing a pivoted feed pawl engageable with the teeth of said step wheel, a pivoted stop positioned over said feed pawl at the forward limit of its movement to block pivotal movement of said feed pawl outward from said step wheel, resetting means for said hand arbor, and means operated by said resetting means for swinging said stop away from said feed pawl and tilting the latter out of engagement with said step wheel.

2,244,812
WELL PUMP OPERATING APPARATUS
George W. Taylor, Sr., Cut Bank, Mont.
Application October 4, 1939, Serial No. 297,933
1 Claim. (Cl. 74—41)



In a pump operating apparatus, a base consisting of a frame having bars spaced transversely from each other for accommodating a pump casing between the bars, a fulcrum mounted on said bars in bridging relation thereto intermediate the length of the frame, a walking beam extending longitudinally of the frame and pivoted intermediate its length to said fulcrum, means for connecting the walking beam with the pump rod of said pump and imparting reciprocating movement to the pump rod during rocking of the walking beam, a crank shaft rotatably mounted across the bars of said base, an inverted U-shaped yoke over said crank shaft and having an upper bridge and depending arms pivoted at their lower ends to cranks of the crank shaft, a bracket extending upwardly from the bridge of said yoke midway the width thereof, the bracket being closed at its upper end and loosely engaged about said walking beam, a pin pivotally mounting the walking beam between said portions of the bracket, and means for transmitting rotary motion to said crank shaft.

2,244,813
SANDING DEVICE
Carl C. H. Tommerup, Lakewood, Ohio
Application May 17, 1939, Serial No. 274,098
1 Claim. (Cl. 51—34)



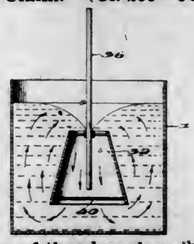
In combination with a drill press having a frame, having a spindle mounted in said frame for rotation and for reciprocation axially, having a motor drivingly connected with said spindle to rotate it, and having manually operable means for reciprocating said spindle axially during rotation thereof, said means including an oscillatable feed shaft, a bracket attached to said frame, a speed reduction unit carried by said bracket, said unit having a high speed shaft carrying a pulley and having a low speed shaft carrying a crank arm, a pulley rotatable with the shaft of said motor, a driving belt connection between said pulleys, a rocker arm, said arm having a split portion embracing said feed shaft, quickly adjustable means for clamping said split portion to said shaft in frictional driving relation, and a link connecting said arms.

2,244,814
REVOLVING CONE MIXER
Elvin M. Underwood, East Liverpool, Ohio, assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio, a corporation of Ohio
Original application August 3, 1937, Serial No. 157,191. Divided and this application March 25, 1939, Serial No. 264,221
1 Claim. (Cl. 259—96)



A mixer including a tank, a shaft rotatable therein, two concentric nested cones spaced apart and carried by the shaft, one cone open at one end only and the other open at both ends, and longitudinal baffles secured to both cones and holding the cones apart to provide separated passageways therebetween.

2,244,815
REVOLVING CONE MIXER
Elvin M. Underwood, East Liverpool, Ohio, assignor to The Patterson Foundry & Machine Co., East Liverpool, Ohio, a corporation of Ohio
Original application August 3, 1937, Serial No. 157,191. Divided and this application March 25, 1939, Serial No. 264,223
1 Claim. (Cl. 259—96)

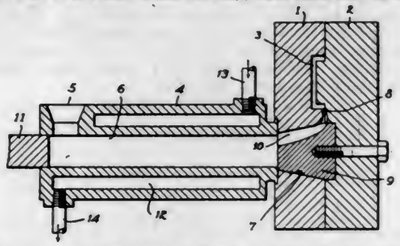


A mechanism of the class described including a tank, a rotatably supported shaft extending vertically into said tank, a truncated imperforate cone secured to said shaft within the tank with its smaller end uppermost and open, and reticulated means covering its larger end.

2,244,816
DIE CASTING APPARATUS
Charles F. Von Lynn, Cranford, N. J., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 27, 1939, Serial No. 296,782
1 Claim. (Cl. 22—68)

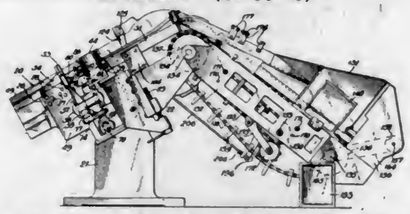
In a pressure casting machine including a fixed die and a movable die cooperating to form a mold cavity, a receptacle adjacent the fixed die for supplying material to be cast, said receptacle having a substantially horizontally disposed bore, and said fixed die having a sprue hole therein forming a continuation of said receptacle bore, a plunger reciprocable in said receptacle bore and

in said sprue hole, and a plug fixedly attached to said movable die; when said dies are closed said plug extending into said sprue hole and terminating in a plane at the juncture of the sprue hole and receptacle bore, said plug and the wall of said sprue hole cooperating to form a passage therebetween communicating with said receptacle bore and said mold cavity, the bottom of the



entrance of said passage being above the level of molten metal within said receptacle when said plunger is in its retracted position, and the mouth of said receptacle being closed by said plug except at the entrance of said passage, whereby said plug prevents molten metal within said receptacle bore from flowing into said mold cavity prior to the application of pressure to the molten metal by said plunger.

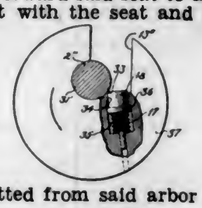
2,244,817
FEED MECHANISM
Richard Lester Wilcox, Waterbury, Conn., assignor to The Waterbury Farrel Foundry and Machine Company, Waterbury, Conn., a corporation of Connecticut
Application July 21, 1938, Serial No. 220,585
42 Claims. (Cl. 80—8)



1. In mechanism of the character described, thread rolling dies; and gripping means for supporting and carrying a blank to the dies, that is perpendicular to the blank and engages the shank thereof between the ends of the blank, at a place spaced from the head, which means is above the top of the dies when the blank is presented thereto.

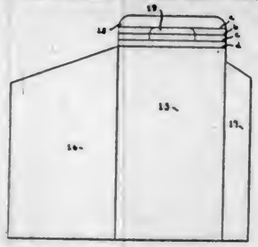
2,244,818
FASTENING DEVICE
Louis Frank Woodruff, Wellesley, Mass., assignor to A. C. Nielsen Company, Chicago, Ill., a corporation of Illinois
Application March 1, 1938, Serial No. 193,272
2 Claims. (Cl. 287—52)

1. A clutch adapted to be detachably mounted upon an arbor by movement transversely thereof, said clutch including a rigid body having a slot, one of the side walls of said slot having a cavity providing a seat for said arbor, and resilient means normally projecting from the bottom of said slot to be engaged and compressed by said arbor as the latter approaches said seat and to exert a resilient force acting on said arbor in a direction toward said seat to hold the arbor in engagement with the seat and permit power



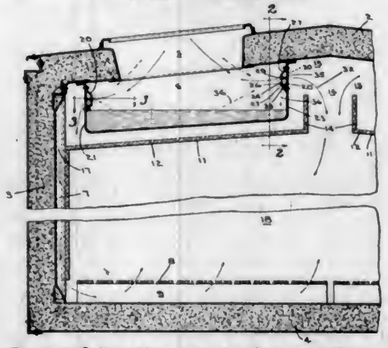
to be transmitted from said arbor through said clutch.

2,244,819
CARBON FOLDER FOR SPEED-FEED MANIFOLDING DEVICES
Clayton E. Wyrick and William C. Pfeiffer, Dayton, Ohio, assignors to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application July 24, 1939, Serial No. 286,050
11 Claims. (Cl. 282—29)



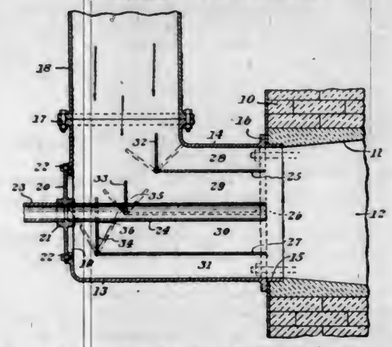
1. As an article of manufacture, a package for retaining a pack of carbon sheets, said package comprising a central backing member with hinged side flap sections squarely folded relative to said backing member, said flap sections being of different width so that they may be overlapped to provide an enclosure for said carbon sheets and an uppermost flap section comprising a plurality of transverse score lines for facilitating the loading of the carbon sheet onto a holder, said uppermost flap containing a smaller flap concentric therewith.

2,244,820
REFRIGERATOR CAR
Kurt E. Zeidler, Chicago, Ill., assignor to Standard Railway Refrigerator Company, Chicago, Ill., a corporation of Delaware
Application March 7, 1940, Serial No. 322,676
11 Claims. (Cl. 62—17)



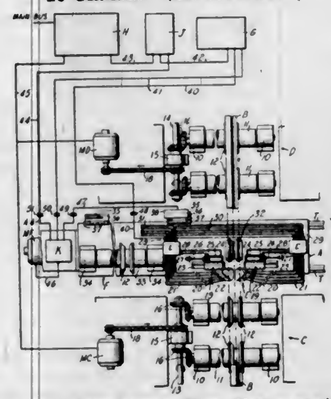
1. In a refrigerator car having a lading compartment and a roof, a refrigerant container below the roof, a hatch in the roof leading to the interior of said container, means including a trough arranged to form a side of said container, said trough having spaced apart sides, apertures in one side of said trough leading to the interior of said container, and apertures in the other side of said trough leading to said lading compartment in unaligned relation with the first mentioned apertures.

2,244,821
COMBUSTION APPARATUS
Frederick S. Bloom, Pittsburgh, Pa.
Application May 13, 1940, Serial No. 334,729
4 Claims. (Cl. 158—110)



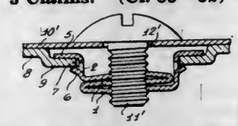
1. In a burner, an air duct having an elbow therein, with inlet end substantially vertical and with its discharge end substantially horizontal and communicating with a combustion space, a fuel nozzle extending substantially centrally through the discharge end of the elbow, a plurality of fixed horizontal guide vanes extending rearwardly from the discharge end of the elbow to the bend of the elbow, and a movable guide vane hinged to each fixed vane adjacent the rear end thereof and extending into the inlet end of the elbow.

2,244,822
REMOTE CONTROL SYSTEM FOR BLOWPIPE MACHINES
James H. Bucknam, Cranford, N. J., assignor to The Linde Air Products Company, a corporation of Ohio
Application May 9, 1939, Serial No. 272,555
16 Claims. (Cl. 266—23)



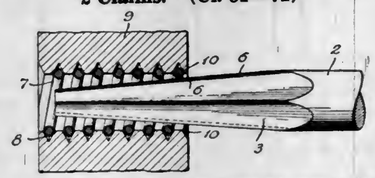
1. Apparatus for controlling the operation of a blowpipe machine such as a machine for conditioning the surface of steel shapes by the application of gas streams, said machine including blowpipe means, means controlling the flow of gases to said blowpipe means, means for supporting and moving said blowpipe means toward and away from said surface, and means for relatively moving said shapes and said blowpipe means along said surface, which apparatus comprises a controller movable through a series of successive positions including an off position and devices connected to said controller for operation at certain of said positions, said devices being sufficient in number and so connected that movement of said controller initiates a series of control impulses causing said blowpipe moving means to move said blowpipe means toward said surface, operating said gas control means to supply gases to said blowpipe means, energizing said relative moving means to relatively move said steel shape and said blowpipe means at a uniform speed, operating said gas control means to stop the flow of gases, and causing said blowpipe means to move said blowpipes away from said surface.

2,244,823
SNAP FASTENER NUT
James P. Burke, Knoxville, Tenn., assignor to Bert L. Quarnstrom and F. L. McLaughlin, both of Detroit, Mich.
Application July 3, 1939, Serial No. 282,752
3 Claims. (Cl. 85—32)



3. A nut of U-shape in cross-section comprising integral branches joined by a base portion of multiple folds, the folds of said base being jointly pierced to receive a screw, the outer ends of said branches being turned laterally outwardly to form shoulders and additional shoulders extending laterally outwardly from said base portion, in combination with a sheet of material having a depressed portion pierced to receive said nut, said additional shoulders being yieldable toward each other upon application of pressure in forcing said nut into said opening whereby said sheet is snared between the sets of shoulders, and a screw extending through both of said openings for securing said sheets together, said screw upon being rotated forcing said additional shoulders against the first named sheet and spreading the folds of said base portion to lock all of the parts in fixed relation.

2,244,824
EXTRACTING TOOL
Harold Caminez, Kew Gardens, N. Y., assignor to Aircraft Screw Products Company, Inc., Long Island City, N. Y., a corporation of New York
Application January 24, 1939, Serial No. 252,557
2 Claims. (Cl. 81—71)



2. An extracting tool for the removal of a wire coil embedded in the thread groove of a female

screw member comprising a shank portion and a tapered end portion, and means for applying a torque about the longitudinal axis of the tool, said tapered end portion having a substantially square cross-section, the ends of the opposite sides of the square, at one pair of diametrically opposed corners, projecting slightly beyond the outline of a true square, and the adjacent ends of the other pair of sides being curved so as to form hollow cutting edges with said projecting ends respectively.

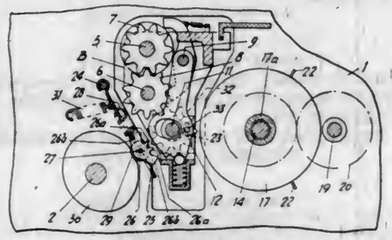
2,244,825

ADDING AND CALCULATING MACHINE

Bengt Carlström, Atvidaberg, Sweden, assignor to Aktiebolaget Facit, Atvidaberg, Sweden, a corporation of Sweden

Original application July 12, 1938, Serial No. 218,788. Divided and this application February 1, 1939, Serial No. 254,011. In Germany August 8, 1937

2 Claims. (Cl. 235—131)



1. In a calculating machine having a register wheel, a locking pawl for said wheel having one narrow and one broad tooth to permit the register wheel to move one single step and then to stop the wheel positively, and means for rocking said pawl about a first axis into and out of engagement with said wheel, said pawl being mounted for pivotal movement about a second axis after engagement with said wheel.

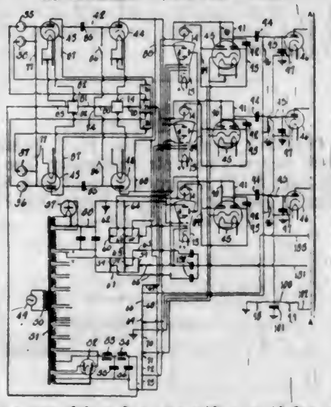
2,244,826

SORTING MACHINE

David C. Cox, Lowell, Mich., assignor to Electric Sorting Machine Company, Grand Rapids, Mich.

Application August 3, 1938, Serial No. 222,787

29 Claims. (Cl. 209—111)



1. In a machine for assorting articles according to color, article scanning means adapted to originate an electrical impulse, article ejecting means, and means for actuating said ejecting means in accordance with variations in light reflectivity of the articles as viewed by said scanning means, comprising a cathode ray tube having one of the deflection plates thereof connected to said scanning means and adapted to be actuated thereby to deflect the cathode ray beam, in one direction, further impulse originating means connected to another deflection plate of the tube for deflecting said beam transversely of said first named direction, light-sensitive means adjacent the cathode ray tube adapted to view the trace of said beam in certain of the resultant positions of the same on the cathode ray screen produced by said impulse originating means, and means for controlling the positions of the beam trace in which the same is viewed by said light-sensitive means.

2,244,827

POTATO DIGGER CHAIN AND COVER THEREFOR

Marco B. Crawford, Denver, Colo., assignor to The Gates Rubber Company, Denver, Colo., a corporation of Colorado

Application September 9, 1940, Serial No. 355,974

2 Claims. (Cl. 198—195)



1. A potato digger chain, comprising links having central supporting sections, each having a tubular covering of resilient, yieldable, rubber composition, the tubular covering having its inner surface provided with a plurality of angularly spaced, longitudinally extending ribs which engage the outer surface of the supporting section of the link for spacing and centering the tube thereon.

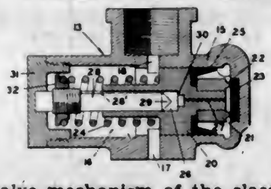
2,244,828

AUTOMATIC CONTROL VALVE FOR COMPRESSORS

Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application July 15, 1938, Serial No. 219,316

5 Claims. (Cl. 137—153)



1. In valve mechanism of the class described for association with an intake of a compressor and the fluid pressure receiver therefor, a casing having a port for communication with the compressor intake, a single movable member for closing the port, a spring for biasing the member to an inoperative position, means comprising a portion of the movable member and the casing for forming a chamber which is adapted to be connected to the fluid pressure receiver, means comprising another portion of the movable member for forming a second chamber, means for connecting the second chamber to the first chamber when said movable member is initially moved toward a position closing the port and against the spring by a predetermined fluid pressure, means forming a bleed passage from the second chamber, and valve means controlled by movement of the movable member for closing said bleed passage when the movable member is in a position closing the port.

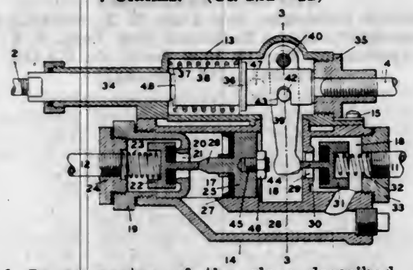
2,244,829

BRAKE CONTROL AIR VALVE

Burns Dick, Ferguson, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware

Application April 20, 1939, Serial No. 268,935

7 Claims. (Cl. 121—41)



1. In apparatus of the class described, the combination with a manual member and an actuated member operable by a fluid motor, of valve means associated with the manual member and the actuated member for controlling the flow of fluid to the motor and exhausting it therefrom, said valve means comprising a casing having separate and independent inlet and exhaust valves provided with spaced apart actuating portions, a lever pivoted at one end to the casing and having its other end positioned between the actuating portions of the valves for controlling said valves by movements in opposite directions relative to the casing, means for connecting the manual member to an intermediate part of the lever, means for connecting the casing to the actuated member, and a member subject to the fluid pressure effective on the movable element of the fluid motor and so associated with the end of the lever which is associated with the valves that a reactive force will be transmitted through the lever to the manual member.

2,244,830

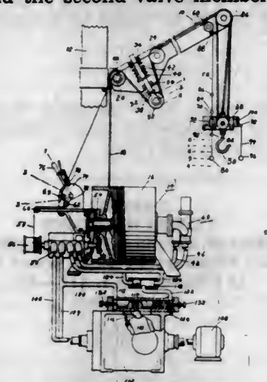
POWER TRANSMISSION

Thomas B. Doe, New York, N. Y., and Edwin L. Rose, Waterbury, Conn., assignors to The Waterbury Tool Company, Waterbury, Conn., a corporation of Connecticut

Application March 10, 1936, Serial No. 68,070

28 Claims. (Cl. 254—172)

10. In a device for lifting a floating object while subject to wave action the combination of a winch, a cable windable on said winch and connected with a hook for engagement with the object to be lifted, a hydraulic motor for driving the winch, a variable displacement pump for driving the motor, a follow-up valve connected between the pump and the motor and having one member connected to rotate with the motor and a second member mounted for limited rotation relative to the first member, a pilot drum connected to the second member, a pilot cable wound on the pilot drum and having its outer end associated with the hook for limited movement relative thereto, a yielding lost-motion connection in the operating connections between the hook and the motor, means for manually controlling the position of the pilot cable relative to the hook, and additional manually operable means for changing the relative positions of the first valve member and the second valve member whereby



the operation of the motor may be controlled at times independently of the position of the pilot cable relative to the hook.

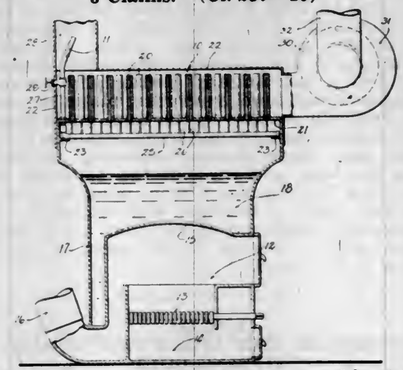
2,244,831

BOILER AND HEAT EXCHANGER

Edward A. Drichta and Erwin A. Drichta, Milwaukee, Wis.

Application July 23, 1938, Serial No. 220,838

3 Claims. (Cl. 237—16)



3. A boiler provided with a source of heat and a confined receptacle for vaporizible fluid to be heated from said source of heat, a header plate forming part of said receptacle and provided with dead-end tubes extending from said plate and opening into said receptacle, a vacuum header within the receptacle and provided with a vacuum tube extending into each dead-end tube, a casing comprising a housing over said plate and said dead-end tubes, said casing being provided with an inlet and outlet opening, said vacuum header having a portion extending into the space within said casing and having an outlet in alignment therewith whereby to induce circulation in said header.

2,244,832

PRODUCTION OF TEXTILE THREADS

Donald Finlayson and Ronald Bezant, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

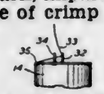
Application November 23, 1938, Serial No. 242,012

In Great Britain December 4, 1937

5 Claims. (Cl. 57—157)

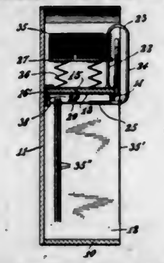
1. Process for the production of a crimped yarn

which comprises imparting a crimp to at least one component yarn, imparting a higher or more permanent degree of crimp to at least one other



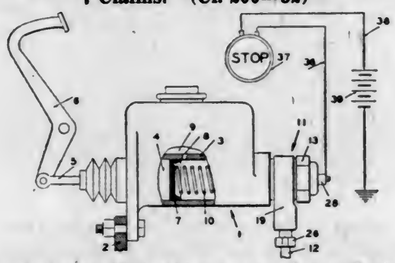
component yarn, and doubling together the plurality of components thus crimped, to form a composite crimped yarn.

2,244,833
TOWEL CABINET
Julius M. Forman, Brooklyn, N. Y.
Application February 18, 1939, Serial No. 257,032
11 Claims. (Cl. 312—37)



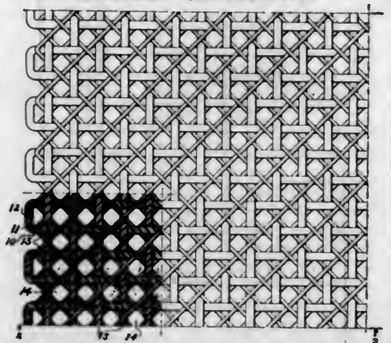
10. In a towel cabinet, a casing having a closed back and an open front, a towel carrier, a pair of substantially horizontal guides in said casing for slidably supporting the carrier, the latter comprising a substantially horizontally disposed base and a substantially horizontally disposed spring-mounted towel supporting platform, movable vertically relative to the base, guide means for the towel platform and towels reposing thereupon, said guide means extending vertically from the base and through the platform and the towels thereon, and a front panel secured to the front edge of the base and extending vertically, the upper end of the front panel being distanced from the top of the casing to provide access to the towels.

2,244,834
COMBINED STOP LIGHT SWITCH AND FITTING BOLT
Walter R. Freeman, University City, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application February 4, 1939, Serial No. 254,565
7 Claims. (Cl. 200—52)



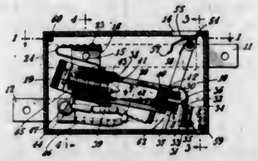
1. In hydraulic braking apparatus embodying a master cylinder having an outlet and a conduit for conveying fluid to a member to be actuated, the combination therewith of a one-piece fitting member having a longitudinal passage therethrough, said fitting member adapted to be secured at one end to the master cylinder outlet, said other end of the fitting member having a portion forming a chamber in communication with the longitudinal passage, means including an electrical switch in said chamber and adapted to be operated by fluid under pressure in the passage, and means for connecting the longitudinal passage to the conduit and comprising a second fitting member clamped in sealed operative position by the first named fitting member.

2,244,835
TEXTILE MATERIAL
Aaron D. Goldstein, New York, N. Y., assignor of one-half to Jacob Rothman, New York, N. Y.
Application May 18, 1939, Serial No. 274,455
3 Claims. (Cl. 139—427)



1. A fabric woven of warp threads each composed of one strand of hair and two strands of fibrous material twisted previously to weaving, weft threads of like construction the warp and weft threads being interlaced with each other and two series of diagonally extending threads of fibrous material, each series extending at right angles to the other, said diagonally extending threads being interlaced with the warp and weft threads to make a unitary fabric.

2,244,836
SWITCH
Hugo Gross, Brooklyn, and Jack A. Potenza, Ford Warthworth, N. Y.
Application May 13, 1939, Serial No. 273,382
9 Claims. (Cl. 200—116)



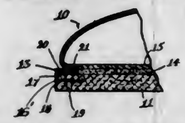
4. In an automatic cut-out switch, a dielectric base, at least two electric conductors issuing from the base, a cover removably associated therewith, means for securing the cover to the base against unauthorized removal, a conductive bracket extending from the base and connected with one of the conductors, an oscillating frame mounted in the bracket, a sparkless and vapor proof circuit breaker pivotally secured within the frame and capable of moving independently relative thereto, heat responsive, adjustable means for normally supporting the free end of the breaker, associated with free end of the frame, resilient electro-conductive instrumentalities arranged within said frame and establishing electric con-

tact from said bracket over said heat responsive supporting means to one of the contact members of the breaker, the other contact member of the breaker being connected with the other electric conductor of the base, and a position indicator for the breaker observable from without the cover.

2,244,837
PROCESS FOR HYDRATING VINYL ACETYLENE
Paul Halbig and Alfred Treibs, Munich, Germany, assignor to Consortium fur Elektrochemische Industrie, G. m. b. H., Munich, Germany, a corporation of Germany
No Drawing. Application September 17, 1938, Serial No. 230,389. In Germany February 4, 1938
8 Claims. (Cl. 260—597)

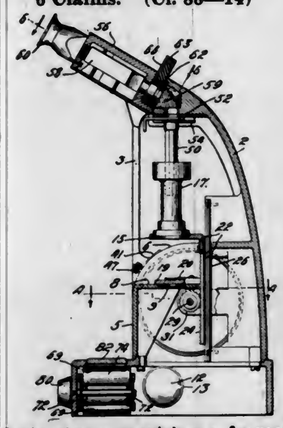
1. Process of hydrating vinyl acetylene which comprises adding butanolone to vinyl acetylene in an acid solution of a heavy metal compound having a concentration of acid less than 10%.

2,244,838
BOOT AND SHOE
Charles B. Harris, Jamaica, N. Y.
Application October 18, 1939, Serial No. 300,022
2 Claims. (Cl. 36—75)



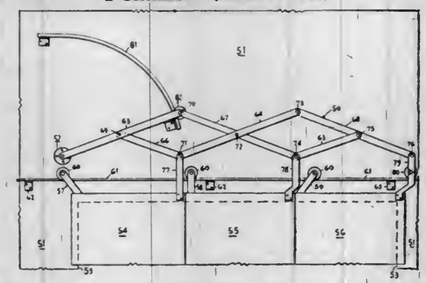
1. An outer sole for footwear having a slitted toe end, the lower portion thereof adjacent the periphery having a plurality of wear-resisting plugs secured therein, the upper portion being adapted to be secured to the toe end of the upper of a slipper, boot or shoe, the slitted toe end being adapted to be secured together after the outer sole is completely secured to the upper of a slipper, boot or shoe, whereby the flexibility of the toe end of the outer sole is retained.

2,244,839
COLORIMETER
Paul A. E. Hellige, Jackson Heights, N. Y.
Application February 17, 1940, Serial No. 319,439
6 Claims. (Cl. 88—14)



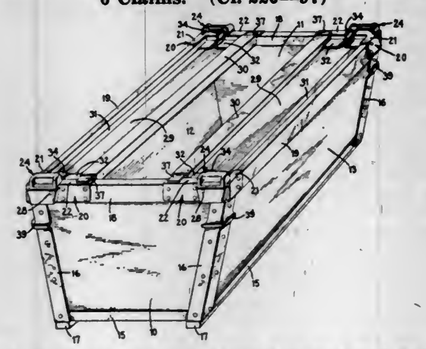
1. A colorimeter comprising a frame, a pair of vertically movable stages on said frame for supporting standard and test solutions, means including an eyepiece at the top of said frame for comparing the color of said solutions, means including a pair of independent rotatable shafts mounted on said frame for raising and lowering said stages, separate rotatable drums actuated by said shafts, said drums being located in the direct line of vision from the general observation position of said eyepiece and containing calibrations readable from said observation position so that the eyepiece and the calibrations on said drums may be viewed without substantial shifting in eye position, and means for directing light from a common source at the bottom of said frame underneath said stages and upon the calibrations of said rotatable drums to illuminate same.

2,244,840
MEANS FOR OPERATING MULTIPLE SLIDING DOORS
George Delbert Hulburt, Los Angeles, Calif., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif., a corporation of New York
Application June 22, 1938, Serial No. 215,140
4 Claims. (Cl. 268—51)



1. For use in a structure having an opening adapted to be closed by multiple sectional sliding doors, a single track mounted on said structure over said opening, a lazy tong arrangement having a point thereon pivotally mounted on said structure, means for movably supporting an outer extensible point of said lazy tong arrangement on said track, means for movably supporting one edge of each of said door sections upon said track, and means for supporting the opposite edge of each of said door sections respectively upon a series of extensible pivot points on said lazy tong arrangement.

2,244,841
NESTING BOX
Edward T. Johnson, Greenfield, Mass., assignor to The New England Box Company, Greenfield, Mass., a corporation of Massachusetts
Application February 5, 1937, Serial No. 124,188
6 Claims. (Cl. 220—97)



3. In a nesting box having side and end walls,

cover members for partially closing the top of the box, pivot elements secured to said members and projecting beyond the ends thereof, metal reinforcements at the upper corners of the box, pockets formed in said reinforcements, locking members inserted in said pockets and projecting therefrom to provide openings to receive said pivot elements, and means for retaining said locking members in said pockets.

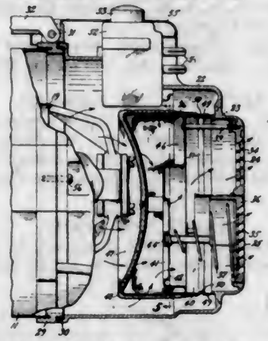
2,244,842
INJECTION MOLDING MACHINE
Edward R. Knowles, Bridgeport, Conn., assignor to The Watson-Stillman Co., Roselle, N. J., a corporation of New Jersey
Application January 28, 1939, Serial No. 253,297
6 Claims. (Cl. 18—30)



1. In a molding machine including a horizontal cylinder to receive a charge of material for injection into a mold, a mounting for said cylinder comprising a cylinder-supporting head, a supporting block borne by and transversely surrounding the cylinder to seat against the forward face of said head, rigid, parallel, vertical guide ribs borne by said head and undercut to receive said block therebetween and provide the ribs with rearwardly facing abutments in opposed spaced relation to opposite side margins of said block, and wedges driven downwardly between said rib abutments and block margins to lock the cylinder in operative position upon the supporting head, the supporting block being withdrawable upwardly from between said ribs after retraction of said wedges, for dismounting of the cylinder from said head.

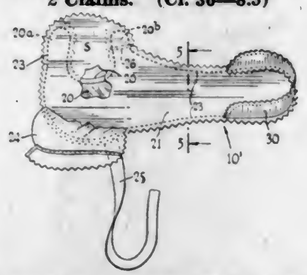
3. In an injection molding machine, an injection cylinder provided at its forward end with a mold-charging nozzle, means at the rear end to releasably mount said cylinder in a fixed position to receive a charge of material for injection into a mold, a molding die supporting member formed with an opening to receive the discharge nozzle and the forward end of the cylinder and mounted for shifting axially of said cylinder toward and from the cylinder nozzle and having a normal position in which position the discharge nozzle and the forward end of the cylinder project into the said member, a rod anchored to said die-supporting member and extending rearwardly along the line of shift thereof toward the cylinder mounting, a coiled compression spring encircling said rod and adapted when released to cause movement of said die-supporting member from said normal position to a position away from the forward end of the injection cylinder, another stronger compression spring encircling said rod in the rear of and in tandem relation to said first spring, a floating abutment for said springs between the opposed ends thereof, an abutment on said rod engageable with said floating abutment to compress said stronger spring by rearward movement of the said die-supporting member from said normal position toward the cylinder mounting to bring a mold gate into connection with said nozzle, latch means to lock said rod against forward movement and thereby hold said die-supporting member against forward shift away from said cylinder by the urge of said first spring, and means whereby the rod may move rearwardly through the latch means against the resistance of said stronger spring when the die-supporting member is moved to cause the nozzle to engage the mold gate.

2,244,843
VACUUM CLEANER
Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application January 28, 1938, Serial No. 187,451
4 Claims. (Cl. 183—73)



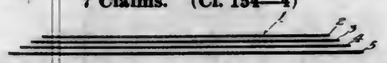
1. In a vacuum cleaner having a casing with a suction opening at one end and an exit opening at the other end, a removable exit fitting for said last-mentioned opening, said exit fitting comprising a hollow body, means on said hollow body for attachment to said casing with the major portion of the hollow body within the casing, a filter for said major portion of the hollow body, said filter having a filtering surface spaced from the wall of the casing and of an area materially greater than the area of the exit opening in the end of the casing in which the hollow body is applied.

2,244,844
FOOTWEAR INSERT
Sara Margel, New York, N. Y.
Application August 11, 1939, Serial No. 289,561
2 Claims. (Cl. 36—8.5)



1. As an article of manufacture, a footwear insert comprising a relatively thick layer of Cellophane and a pair of relatively thin layers of oil silk disposed on opposite sides of said Cellophane layer, said layers being substantially of the shape of an insole with the exception of a portion thereof adjacent the toe portion extending outwardly beyond the normal sole contour, said Cellophane layer being provided with a cut out notch disposed inwardly from the edge of said outwardly extending portion to provide an area relatively thinner and softer than the remaining portions of said insert for the purposes set forth.

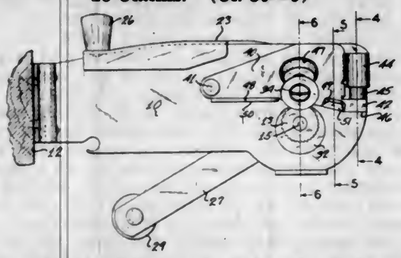
2,244,845
CONVEYER BELT
John H. Matthews, Nutley, N. J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
Application July 30, 1938, Serial No. 222,162
7 Claims. (Cl. 154—4)



3. The method of forming a conveyer belt with an upward concavity which comprises securing an upper ply of belting material to a lower ply of greater normal width while the upper ply is held under a lateral tension which conforms it to the width of the lower ply.

5. A conveyer belt of relatively great width and length compared to thickness having its load-receiving face normally arced transversely concave upwardly, comprising a plurality of plies of woven textile fabric of progressively varying widths, secured together in superimposed relationship, the faces of adjacent plies being bonded together, said plies being in substantially equal transverse tension when the belt is in normal transversely arcuate position.

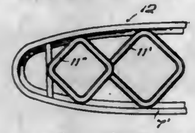
2,244,846
CAN OPENER
George J. Moeller, St. Louis, Mo., assignor to Dazey Churn & Manufacturing Co., St. Louis, Mo., a corporation of Missouri
Application November 6, 1939, Serial No. 303,000
18 Claims. (Cl. 30—9)



1. In a can opener, the combination with coacting feeding and cutting rollers, of a yieldable pressure device arranged to act downwardly on a can to hold the same in pressure engagement with said feeding roller, said device including spaced bearing shoulders engageable with the can rim at points located forwardly and rearwardly of the points of action of said roller, the forward bearing shoulder being laterally bevelled to exert an obliquely directed force on the can whereby to hold the rim thereof in pressure engagement with the forward portion of the cutting roller and spaced from the rear portion of the cutting roller.

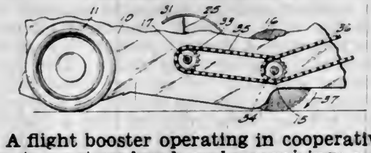
2,244,847
METHOD OF MAKING STRUCTURAL ELEMENTS OF SHEET METAL
Otto Oeckl, Berlin-Schoneberg, and Emil Kolland, Berlin-Johannisthal, Germany, assignors to Henschel Flugzeugwerke A. G., Schonefeld, Kreis Teltow, Germany
Application September 15, 1938, Serial No. 230,096
In Germany December 27, 1937
2 Claims. (Cl. 29—155)

1. The method of making a series of similarly shaped structural elements adapted to occupy spaced positions in a constructional assembly, comprising the steps of forming the individual elements of said series as a structural member having a plurality of angularly related faces similar to each other in shape but differing in size so that the outer contour of a smaller element is substantially congruent to the inner contour of a larger element, by corrugating a piece of sheet metal so as to include the angularly related faces of all said elements connected with each other



along their congruent contours respectively, and each part of each element being spaced from the corresponding part of the adjacent element by a distance which is proportional to the spacing which such portions will have in the finished assembly, and separating the similarly shaped elements of said blank by cutting the blank along spaced parallel lines which are located in corresponding positions in adjacent portions.

2,244,848
MECHANICAL SWEEPER
Howard A. Olds, San Francisco, and Ira M. Wells and Ward Wells, Oakland, Calif., assignors to Spears-Wells Machinery Company, Inc., Oakland, Calif., a corporation of California
Application November 18, 1938, Serial No. 241,236
4 Claims. (Cl. 15—83)

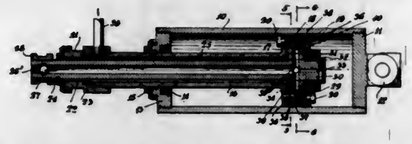


3. A flight booster operating in cooperative relation to a rotary brush and comprising; a plane floor formed tangentially to the lower periphery of said brush; a rotary conveyor having a plurality of flails for operating in the path of flight of materials when trajected by said brush, and operating in cooperative relation to said plane floor and in spaced relation to said brush and functioning to boost the speed of flight of the trajected material to or above its initial trajected speed for deposit of the material without change of its normal course other than its trajectory, to a remote location; and in which said rotary conveyor includes a hub with the inner edges of the flails radially spaced from the periphery of said hub and pivotally mounted to permit the outer edges of the flails to strike and rebound from the hub under impact applied to the outer edge by obstructional influences, for loosening adhering material from the flails and hub.

2,244,849
MANUFACTURE OF POLYCARBOXYLIC ACIDS
John F. Olin, Grosse Ile, Mich., assignor to The Sharples Solvents Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application May 13, 1939, Serial No. 273,481
4 Claims. (Cl. 260—537)

1. In the manufacture of adipic acid, the process comprising, halogenating cyclo-hexane to produce cyclo-hexyl mono-halide, splitting the resulting halide to produce cyclohexene, hydrating the resulting cyclohexene to produce cyclohexanol and oxidizing the resulting cyclohexanol.

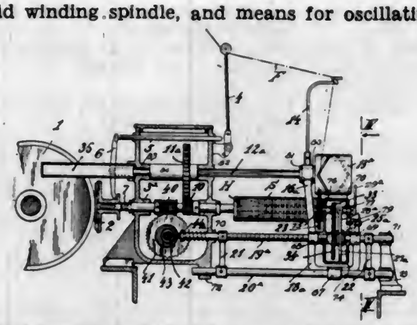
2,244,850
CONTROL
Elias Orshansky, Jr., Deep River, Conn., assignor to The Acrotorque Company, New Haven, Conn., a corporation of Connecticut
Application December 1, 1938, Serial No. 243,341
4 Claims. (Cl. 121—41)



1. A control including a cylinder presenting one closed end portion, a hollow piston slidable within said cylinder, said piston having an end portion and a central portion, the internal diameter of the latter portion being greater than that of the former, a tube connected to said piston and having its bore communicating with the hollow interior thereof, a head formed with an opening for the passage of said tube and mounted by the other end of said cylinder, said tube having sliding and sealing contact with said head, a control tube extending within the bore of said first named tube and beyond the end of the same, said control tube having its external diameter smaller than the internal diameter of said first named tube whereby to provide a passage for the flow of fluid between said tubes, a head portion fixed to the interior end of said control tube and formed with a series of radially extending passages communicating with its bore, said head having an end portion and a central portion, the external diameter of the latter being greater than that of the former and said end portion being adapted to slidably engage the end portion of said piston, said end portion being provided with a transverse passage for conducting fluid away from the end portion of said piston, said head portion being also formed with transversely extending passages having no direct communication with said first named passages, the hollow space within said piston being of greater width than the width of said head portion whereby the latter may be reciprocated within the same, a valve portion forming a part of said piston and cooperative with the radially extending passages of said head portion to alternatively divert a flow of fluid to either side of said valve portion and through said passages, said piston being formed with openings to either side of said valve portion and extending towards the adjacent cylinder ends, coupling means associated with the closed end portion of said cylinder, and further coupling means secured to said first named tube.

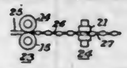
2,244,851
COP WINDING MACHINE
Wilhelm Reiners, Gustav Kahlisch, and Stefan Fürst, Gladbach-Rheydt, Germany, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany, a corporation of Germany
Application February 25, 1939, Serial No. 258,360
In Germany March 5, 1938
4 Claims. (Cl. 242—31)

1. In a cop winding machine, a winding spindle, a builder unit mounted for movement at least approximately parallel to the axis of said winding spindle and comprising a rotatable traverse member having helical guide means and a feed mechanism including a feeler adapted to feel the winding package and to actuate said feed mechanism to move said builder unit progressively along said winding spindle, and means for oscillating



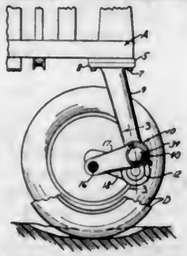
said feeler to withdraw the same intermittently from contact with the winding package.

2,244,852
MANUFACTURE OF FORGING BLANKS
Norman C. Rendleman and Burges A. Le Monte, Pittsburgh, Pa., assignors to Jones and Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 9, 1938, Serial No. 218,456
6 Claims. (Cl. 80—27)



1. In the method of hot rolling forging blanks, the steps consisting in passing a heated leader bar between die rolls having spaced matrix portions of lesser height and greater width than the leader bar and adapted to flatten and widen longitudinally spaced portions of the leader bar, maintaining the intermediate portions of the leader bar at approximately their original cross-section, passing the deformed leader bar between plain grooved rolls providing a round pass, and thereby exerting pressure on the bar in a direction generally at right angles to that exerted by the die rolls, so adjusting the plain rolls that they engage the widened portions of the deformed bar and so reduce their width that they are at no point wider than the intermediate portion, and maintaining the intermediate portions at approximately their original cross section.

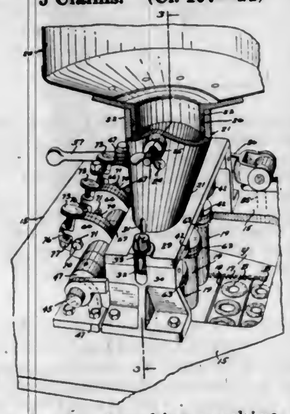
2,244,853
STEERABLE VEHICLE TRUCK
Adolph Ronning, Minneapolis, Minn.
Application December 9, 1940. Serial No. 369,238
8 Claims. (Cl. 280—87)



1. A vehicle supporting truck comprising a mounting member, a pair of wheel supported crank arms mounted one at each side of the mounting member, transversely axised pins rigidly mounted on said member, tubular extensions on said arms journaled on the pins for oscillating

movements thereabout in relative up and down directions, and meshing gear means on said trunnion members differentially connecting the cranks and causing them to oscillate in opposite directions.

2,244,854
DOUGHNUT MAKING MACHINE
David A. Sandin, St. Paul, Minn.
Application September 5, 1939, Serial No. 293,313
5 Claims. (Cl. 107—14)



1. In a doughnut-making machine, a plurality of laterally spaced dough dispensing and forming devices each including a valve element mounted for sliding movement to and from closed position, a rock shaft, a plurality of cranks rotatively mounted on said rock shaft with the free end portion of each in operative engagement with a different one of said sliding valve elements, a radially projecting flange on each of said cranks, driving flanges rigidly mounted on the rock shaft, each in face to face contact with a different one of the said crank flanges, means for effecting individual vernier rotary adjustment of the several cranks on the shaft, said means including a vernier adjustment screw for each co-operating pair of flanges, said screw having screw-threaded engagement with one of said flanges and being rotatively mounted on and held against axial movements in respect to the other thereof.

2,244,855
PROCESS FOR RIPENING CELLULOSE ESTERS
George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 4, 1939, Serial No. 259,800
12 Claims. (Cl. 260—230)

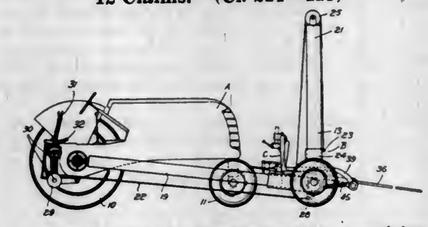
1. Process for the manufacture of lower fatty acid esters of cellulose, which comprises adding a polyhydric alcohol selected from the group consisting of glycol and glycerine to a primary solution containing the lower fatty acid ester of cellulose dissolved in concentrated organic acid and also containing the strong catalyst containing the sulphate radicle employed in the esterification process in a proportion of substantially 15% based on the weight of the cellulose employed, permitting the solution to stand until the lower fatty acid ester of cellulose has attained the required solubility characteristics and then precipitating the lower fatty acid ester of cellulose from the solution.

2,244,856
GLUE APPLYING TOOL
Lester Sejarto, New York, N. Y.
Application June 25, 1940, Serial No. 342,217
8 Claims. (Cl. 91—67.4)



8. In a glue applying tool the combination of a body member having a chamber therein open at its upper end, an elastic diaphragm secured to said body member and adapted to close and seal the open end of said chamber, said body member having an outlet opening of relatively small diameter leading to said chamber, a plunger carried by said diaphragm, and loosely depending within said chamber in spaced relation to the bottom and side walls thereof so as to be capable of longitudinal movement, whereby when said plunger is fully depressed substantially the entire contents of said chamber will be displaced thereby.

2,244,857
BUCKER, STACKER, AND LOADER
Kermit M. Sletten, Willmar, Minn.
Application May 5, 1939, Serial No. 271,866
12 Claims. (Cl. 214—113)

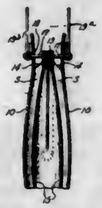


1. A bucker and stacker unit comprising a frame having a pair of telescopic extensible standards, means for extending said standards to the full height thereof, a tined cradle adapted for bucking into and picking up a load, frame means for slidably and pivotally connecting said tined cradle to said standards, said frame means including a pair of opposed slides, means offset from said pivotal connection connecting said slides, means on said offset connecting means for holding said cradle with the tines thereof extending horizontally in relation to said standards, means for releasing said tined cradle to permit the same to be dumped and to be folded with the tines thereof projecting upward in line with said standards.

2,244,858
LADY'S HANDBAG
Bernard Stember, East Orange, N. J., assignor to Amity Leather Products Co., West Bend, Wis., a corporation of Wisconsin
Application May 10, 1939, Serial No. 272,747
2 Claims. (Cl. 150—33)

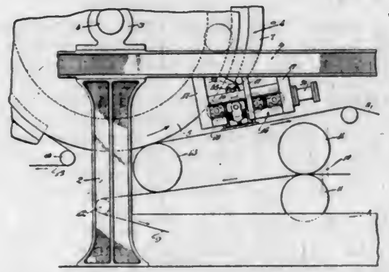
1. In a handbag, a pair of side wall members defining in part an inner pocket having an upwardly opening mouth, a pair of closure frame members mounted in the mouth of said pocket

and clasp means for maintaining the frame members releasably closed, an outer side wall member externally overlying each side wall member of the inner pocket, means cooperating with the inner and outer side wall members for defining an outer pocket on either side of said inner pocket, said outer pockets each having an upwardly opening mouth in general parallelism with the mouth of said inner pocket, handle means



for carrying the bag and for maintaining said outer pockets closed comprising a pair of flexible loop members, each loop member extending slidingly through guide means provided on one side wall of the respective outer pockets and having its ends secured to the other side wall member of the respective outer pockets whereby the mouth of the inner pocket is free of said loops at all times and may be opened independently of said outer pockets.

2,244,859
COATING APPARATUS
William F. Thiele and Howard Brewster Richmond, Wisconsin Rapids, Wis., assignors, by direct and mesne assignments, of nine-tenths to Consolidated Water Power & Paper Company, Wisconsin Rapids, Wis., a corporation of Wisconsin, and one-tenth to Peter J. Massey, River Forest, Ill.
Original application May 11, 1936, Serial No. 79,048. Divided and this application January 20, 1939, Serial No. 251,987
4 Claims. (Cl. 91—50)



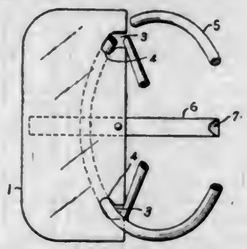
1. A coating device for coating paper while the same is travelling over the surface of the single drying drum of a "Yankee" type paper machine comprising opposite supporting frames disposed adjacent said drying drum, a plurality of bearings slidably disposed in alignment upon said frames, rolls carried by said bearings, means for applying coating material to one of said rolls, means for slidably moving said bearings toward each other to transfer said coating material from said roll to the remaining rolls, the last roll in alignment being in contact with the web upon the drying drum whereby coating material is applied to said web.

2,244,860
PUMP
Edwin E. Tilt and Mathias H. Baudendistel, Jr., St. Louis, Mo.
Application June 30, 1939, Serial No. 282,182
2 Claims. (Cl. 36—45)



1. In a pump, an upper including a vamp and a lining, attaching tabs integral respectively with the vamp and lining and inturned adjacent each other between the vamp and lining, a seam uniting said tabs and covered by the vamp and lining, and an exposed seam through the vamp and lining about the opening of the upper rearwardly of the tabs completing the attachment of the vamp and lining about the opening.

2,244,861
SERVING TABLE
Samuel R. Walker, Sr., Houston, Tex.
Application November 18, 1940, Serial No. 366,074
5 Claims. (Cl. 311—21)

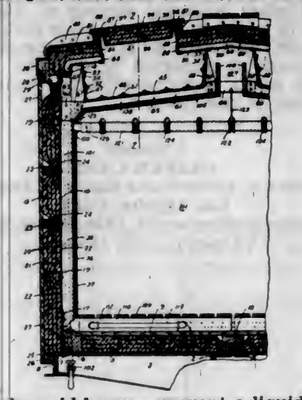


1. A serving table formed of thin material and having spaced slots at one margin whose inner ends are inwardly turned forming notches to receive a steering wheel and a brace secured to the table underneath and adapted to extend forwardly at right angles thereto to rest against a steering column.

2,244,862
REFRIGERATOR CAR CONSTRUCTION
Ralph B. Winship, Montreal, Quebec, Canada, assignor, by mesne assignments, to Standard Railway Refrigerator Company, a corporation of Delaware
Original application June 30, 1938, Serial No. 216,732. Divided and this application April 28, 1939, Serial No. 270,570
10 Claims. (Cl. 62—17)

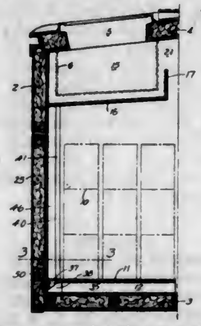
1. In a refrigerator car provided with a pair of solid refrigerant tanks near the roof of the car, said tanks being spaced apart at the longitudinal center of the car, means to provide an air duct therebetween in spaced relation thereto which communicates with the interior of the car, a hatch in the roof communicating with each tank, the walls of said tanks adjacent said duct being provided with inverted louvers adjacent the tops thereof whereby when said hatches are open the car will be ventilated by outside air

passing through said hatches, said tanks, said louvers and said duct into the interior of the car,



and whereby said louvers prevent a liquid refrigerant from splashing into said duct.

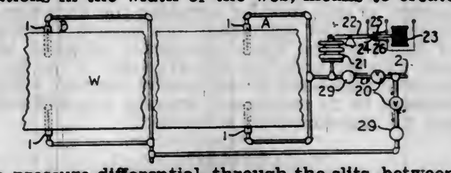
2,244,863
REFRIGERATOR CAR CONSTRUCTION
Ralph B. Winship, Montreal, Quebec, Canada, assignor, by mesne assignments, to Standard Railway Refrigerator Company, a corporation of Delaware
Application April 28, 1939, Serial No. 270,574
9 Claims. (Cl. 62—17)



7. In a refrigerator having a refrigerant chamber below the roof and near one of said walls, a foraminous rack spaced above the floor for supporting a lading, a flue associated with said wall and communicating between said chamber and the space under said rack, a doorway in said wall, and a member positioned between the threshold of said doorway and said rack and spaced above said floor to provide a passage which communicates between the space below said rack and said flue, whereby refrigerated air may circulate from said chamber downwardly through said flue to the passage under said member and thence to the space under said rack from where it may circulate upwardly to cool the lading.

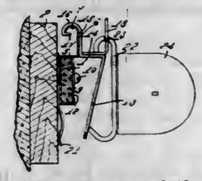
2,244,864
INDICATOR AND CONTROL, PARTICULARLY FOR PAPER MACHINES
George Stanford Witham, Jr., Portland, Oreg.
Application August 25, 1937, Serial No. 160,851
3 Claims. (Cl. 33—125)

1. Means to determine the width of a traveling web, comprising two interconnected hollow members, disposed beneath but substantially out of contact with opposite edges of the web, and each having a small slit extending transversely of the adjacent edge of the web, in position to be masked more or less in accordance with variations in the width of the web, means to create



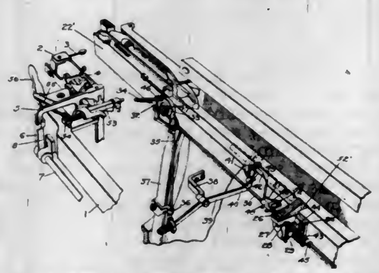
a pressure differential, through the slits, between the interior of said members and the atmosphere, which pressure differential will vary in amount in accordance with the aggregate amount of masking of the slits by the opposite edges of the web, and indicating means responsive to such changes in the pressure differential.

2,244,865
MAP HANGER
Johnse H. Beck, Indianapolis, Ind., assignor to The Geo. F. Cram Company, Indianapolis, Ind., a corporation of Illinois
Application April 10, 1939, Serial No. 267,155
6 Claims. (Cl. 248—215)



5. In a support for maps and the like, a supporting rail adapted to be secured to a wall in spaced relation thereto and having a rearwardly extending lip and a suspension clip having a rearwardly extending hook provided with a portion adapted to engage under said lip, the distance between the wall and the rear edge of the rail lip being less than the width of said hook to thereby prevent the removal of said clip after the same has been positioned on said rail.

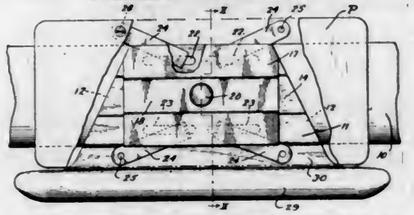
2,244,866
TRANSFER REVOKING MECHANISM
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application September 25, 1940, Serial No. 358,374
9 Claims. (Cl. 139—231)



1. In a filling replenishing loom, the combination of a reciprocating lay, replenishing mechanism including a latch movable to posi-

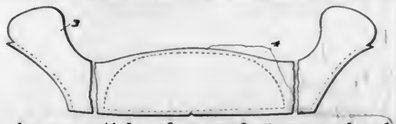
tion calling far replenishment of filling, a center fork stop motion including a filling fork, a reciprocatory member mounted on said lay, means for reciprocating said member, said member having means intermediate its ends for raising said filling fork as said member reciprocates, means carried by said fork for arresting the movement of said member when said fork detects absence of filling in the shed, and means actuated by said member upon the forward beat of the lay, to move said latch to inoperative position when arrested in its movement, whereby any existing call for replenishment is revoked.

2,244,867
LICENSE PLATE BRACKET
Hugh Buchanan, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application April 4, 1940, Serial No. 327,850
2 Claims. (Cl. 40—125)



1. In combination, a bumper impact bar, a holder mounted on said impact bar to support a license plate or the like comprising front and rear vertical walls and with the rear wall shaped to receive and set against the front face of an impact bar, links extending from between said walls and having pin and slot connections with said rear wall whereby to be pivoted for bodily or swinging movement for adjustment of their ends into position to have a license plate secured thereto to extend across the front of said walls, a bolt extending through said walls and the bumper impact bar for clamping said walls and bar together and to clamp said links rigidly in their adjusted position, and a guard bar forming part of said rear wall and extending horizontally and forwardly of said walls to afford protection for the supported license plate.

2,244,868
MANUFACTURE OF SHOES
Ernest W. Dunbar, Hudson, Mass., assignor to Cambridge Rubber Co., Cambridge, Mass., a corporation of Massachusetts
Application February 9, 1935, Serial No. 5,709
4 Claims. (Cl. 12—146)



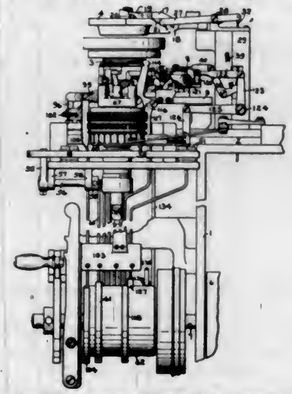
4. As an article of manufacture and sale, a complete shape-retaining finished shoe quarter ready for assembly as a unit with an insole, said quarter comprising side and end walls, the side walls merging smoothly with the end wall, the side walls having edges finished in a manner acceptable to constitute exposed edges in the completed shoe, the end walls and the major part at least of the side walls having substantially the exact curved contour, in vertical planes at least, of the quarter of a completed shoe, the quarter comprising integrated layers of material, one of which is of a nature appropriate to constitute the outer finished surface of the quarter, one of which is of a nature appropriate to constitute the exposed inner or lining surface of the quarter, and one of which is of a mouldable material, normally stiff, and capable of permanently retaining a contour imparted thereto by moulding pressure, and a moulded attaching flange at the lower edge of the quarter.

2,244,869
GLIDER CANE
Herbert A. Everest and Harry C. Jennings, Los Angeles, Calif.
Application September 23, 1940, Serial No. 357,876
8 Claims. (Cl. 135—47)



6. In a device as described, a frame structure having a pair of wheels positioned to track in a straight line of motion forwardly or rearwardly, one or more friction feet connected to the frame and extending laterally from the line of the wheels, a body supporting structure extending upwardly from the frame and having a hand grip thereon whereby on laterally tilting the frame, the frame with the support may roll on the wheels or be retained stationary with the friction foot engaging a floor.

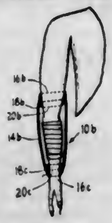
2,244,870
KNITTING MACHINE
Isaac H. C. Green, Central Falls, and Eugene St. Pierre, Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application August 17, 1938, Serial No. 225,374
12 Claims. (Cl. 66—9)



1. In a knitting machine the combination of

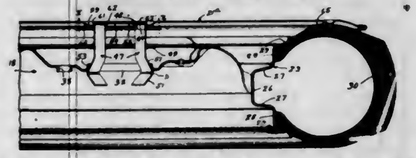
a mouthpiece and means for feeding yarns thereat, an auxiliary feeding station in advance of said mouthpiece and means for feeding an elastic yarn at this auxiliary station, means for dividing needles to determine certain needles which are to have the elastic yarn fed thereto, and cam means at said auxiliary station variable in position to determine whether or not divided needles shall take the elastic yarn above or below the latches.

2,244,871
WATERPROOF PROTECTIVE DEVICE
George K. Guinzburg, Chappaqua, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y.
Application March 9, 1939, Serial No. 260,748
1 Claim. (Cl. 2—59)



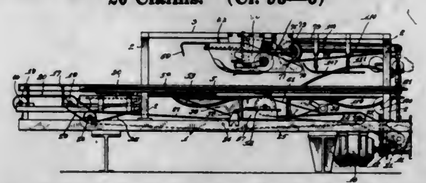
A waterproof protective device of the class described comprising a limb-inclosing member formed of waterproof thin sheet material and having a tubular part open at one end through which the limb is inserted and open also at its other end to permit a part of the limb to project therethrough, and an annular strip of waterproof and elastic thin sheet material disposed interiorly of said tubular part completely thereabout adjacent each of said open ends inwardly thereof, the outer peripheral edge of each annular strip being secured to the inner surface of said tubular part, said strips projecting laterally from said inner surface for engagement of the inner marginal surface portions of said strips with the wearer's limb completely adjacent both open ends of said tubular part to prevent water from passing from said open ends to the interior of said tubular part, the opposite ends of said tubular part being adapted to snugly engage the limb to provide with the adjacent strip a double seal at each end of said tubular part.

2,244,872
SPARE WHEEL SHELF AND MOUNTING
Arthur P. Fergueson, Detroit, Mich., assignor, by mesne assignments, to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application July 14, 1938, Serial No. 219,166
2 Claims. (Cl. 224—29)



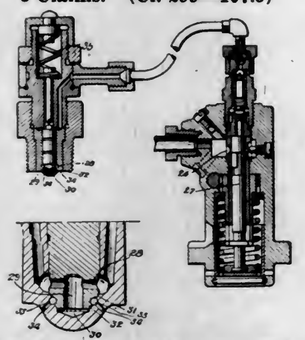
1. A luggage and utility shelf of the type arranged to be seated on and supported by a substantially horizontally disposed wheel, said shelf having a centrally disposed axially extending annular wall portion forming a shallow circular recess, a mounting plate secured to said shelf within said recess, the ends of said plate being spaced from and in close proximity to said wall portion, and the sides of said plate being spaced a substantial distance from said wall portion, the end portions of said plate also being spaced from the under surface of said shelf, and a pair of arcuate shape axially projecting wheel attaching flanges each having a base portion arranged to be rotated into snug shelf engaging position between said end portions of said mounting plates and said shelf.

2,244,873
CONTAINER SEALER
John L. Ferguson, Joliet, Ill., assignor to J. L. Ferguson Company, Joliet, Ill., a corporation of Illinois
Application September 12, 1938, Serial No. 229,516
20 Claims. (Cl. 93—6)



1. In an automatic universal sealer, the combination with means for conveying consecutive containers of different sizes with the flaps on one end of said containers out of alignment, of movable means automatically positionable with respect to each container to apply adhesive to the flaps of the said one end of all of said containers irrespective of misalignment.

2,244,874
FUEL NOZZLE FOR SOLID FUEL INJECTION ENGINES
Max George Fiedler, Chester, Pa., assignor to Fiedler-Sellers Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Original application November 12, 1937, Serial No. 174,238. Divided and this application September 7, 1938, Serial No. 228,875
3 Claims. (Cl. 299—107.5)



1. In fuel injection apparatus of the type described, a body having large discharge openings, seating means over which liquid fuel must pass to reach said openings, a valve coacting with the seating means, means to periodically deliver fuel to the body in a manner tending to unseat the valve, and a spring tending to seat the valve, said discharge openings being of such size, and the lifting area of the valve subjected to the fuel pressure and said spring being so proportioned and arranged that, at the selected injection pres-

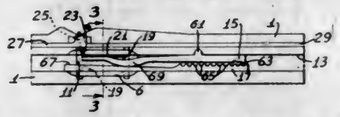
sure of the fuel, the fuel pressure is released immediately upon unseating of the valve whereby the valve is caused to chatter on the fuel during the delivery period.

2,244,875
REAR END CONSTRUCTION
Herbert J. Framhein, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application July 21, 1938, Serial No. 220,432
12 Claims. (Cl. 172—36)



1. A rear end construction of the class described comprising a housing, a shaft in said housing, an armature on said shaft, a bearing support formed on said housing for supporting the said shaft at one end, a differential casing secured to the other end of said shaft as a continuation of said shaft, a second bearing support on said housing, said bearing support cooperating with a portion of the differential casing on that side of said casing opposite the side nearest the armature, for supporting the shaft at its other end, while leaving said last bearing accessible for ready replacement.

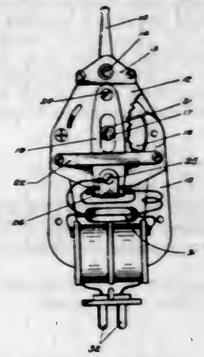
2,244,876
BOBBIN CASE FOR SEWING MACHINES
Stanley Ernest Frampton, Leicester, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 16, 1938, Serial No. 246,193
In Great Britain January 4, 1938
15 Claims. (Cl. 112—233)



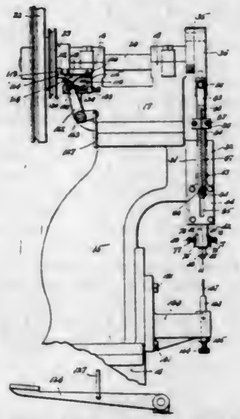
1. A shuttle thread supply device for a lockstitch shoe sewing machine having, in combination with a cylindrical bobbin thread case, readily renewable thread engaging parts mounted in a circular wall of the thread case comprising a tension device, and a wear member having a surface level with a surface of the thread case against which the tension device presses the thread.

2,244,877
CURRENT INTERRUPTER
John A. Hanley, Noroton, Conn., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application December 27, 1940, Serial No. 371,899
6 Claims. (Cl. 172—36)

1. In a motor of the magnetic type having field windings and a movable armature; a current interrupter characterized by a rocker oscillated in timed relation to the movement of the armature, a metal cylinder carried by the rocker and having spaced contacts therein wired in circuit with the field windings of the motor, and a metal ball located between said contacts and arranged to engage them alternately as the cylinder is oscillated with the rocker.

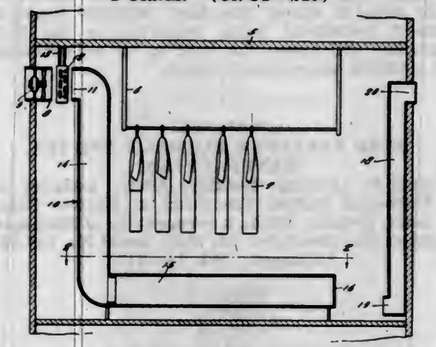


2,244,878
RIVETING MACHINE
Arthur R. Havener, Wayland, Mass., assignor to Judson L. Thomson Manufacturing Company, Waltham, Mass., a corporation of Massachusetts
Application March 10, 1937, Serial No. 130,027
11 Claims. (Cl. 78—49)



3. In a riveting machine, the combination with a rivet driver, of a rivet holder comprising a slide, a pair of holder plates loosely mounted on opposite sides of said slide and having their forward end portions turned inwardly, a pair of elongated jaws loosely mounted on and between the forward ends of said plates and back of said inwardly turned portions, said jaws having longitudinal grooves in their engaging faces forming a rivet-holding chamber opening out the top of said jaws through an expanded opening and out the bottom through a restricted opening, and resilient means for holding said plates in close engagement to said slide and for applying pressure to said jaws at points midway their ends to force them toward each other yet permitting them to fulcrum on said points to maintain a constant pressure on the head and shank of a rivet for insuring its travel in a straight path when driven through the holder into the work.

2,244,879
CLOTHES DRIER
Constantine D. Heras, Tama, Iowa
Application December 20, 1939, Serial No. 310,231
1 Claim. (Cl. 34—219)



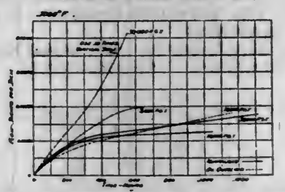
A clothes drying apparatus comprising a closed chamber, means for suspending the clothes in the chamber, an air circulation duct in the chamber including a horizontal portion and a vertical portion, said horizontal portion being positioned under the clothes and having perforations in its upper surface for discharging air upwardly through the garments, the upper end of the vertical portion of the duct being open and terminating adjacent the top of the chamber to admit warm air from the chamber for recirculation therethrough, an air inlet pipe extending through a wall of the chamber in alignment with said open end of the duct, means for forcing air into the open end of the duct from said air inlet pipe, means for heating the air entering the air inlet pipe and before the same enters the duct and a discharge duct extending vertically in the chamber and having its lower end positioned adjacent the bottom of the chamber at a horizontal plane below the horizontal portion of the first-named duct and having its upper end extending through a wall of the chamber.

2,244,880
AUTOMATIC PROGRESSIVE CONTROL SYSTEM
Curtis L. Howse, Birmingham, Mich., assignor to Diamond Power Specialty Corporation, Detroit, Mich., a corporation of Michigan
Application October 26, 1939, Serial No. 301,516
14 Claims. (Cl. 172—239)



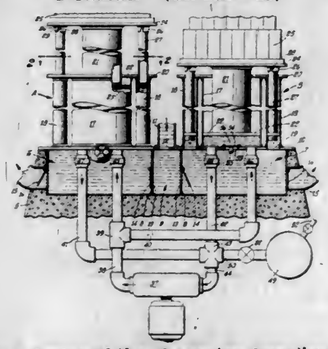
2. In combination, a series of electrically operated units, a circuit for the first unit including a starting switch and a second switch having electrically-operated means for opening the same and yielding means normally holding it closed, a circuit for said electrically operated switch operating means subject to opening thereof by opening of said second switch and also having a third switch, means normally holding said third switch open, means operating in timed relation to the operation of the first unit for closing said third switch to operate said electrically-operated switch operating means to open said second switch, a circuit having a control operated by and adapted to be closed by operation of said electrically-operated switch operating means, said last-named circuit being connected to the next unit in the series and through the third switch when closed to the first unit of the series whereby the first unit is energized through the last named circuit until it passes the stage where it closes the third switch.

2,244,881
COMBINED METAL AND TREATMENT
Jerome J. Kanter, Palos Park, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application April 4, 1940, Serial No. 327,752
1 Claim. (Cl. 148—31)



A rolled material for bolts and the like for application to service temperatures in excess of 850° F., the said material being an alloy steel, containing the elements of chromium, molybdenum, and vanadium, having chromium within the range of .80 to 1.10%, molybdenum .30% to .40%, vanadium .20% to .30%, carbon about .35% to .50%, manganese about .40 to .70%, silicon about .15 to .30%, the remainder of the steel being substantially iron, the said material being treated by cooling in air at atmospheric temperature from temperatures above the A_3 point to temperatures below the A_1 point whereby a structure is obtained rendering optimum creep and relaxation resistance, the austenite grain boundary being preserved in the structure of the said creep resistant steel through cooling so controlled that a precipitated carbide results from the transformation product with no tempering required to produce it.

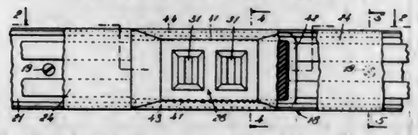
2,244,882
PUMP
Mark Henry Kanary, Los Angeles, Calif.
Application October 16, 1939, Serial No. 299,656
4 Claims. (Cl. 103—45)



1. In a device of the character described, a pair of master cylinders, a master piston in each of said cylinders, a plurality of pump cylinders associated with each master cylinder, a pump piston in each of said pump cylinders releasable, means connecting said pump pistons with respective master pistons so as to move therewith, means to

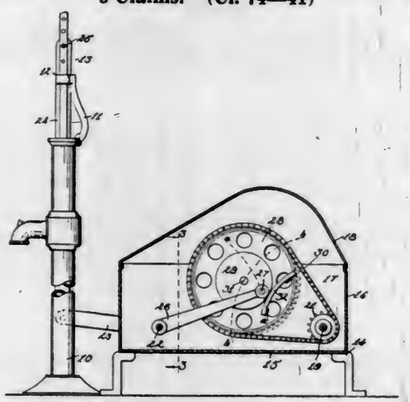
releasably connect said pump pistons immovable relative to their cylinders when said pump pistons are released from said first-named means to prevent movement of the pump pistons during reciprocation of said master pistons, an auxiliary pump, valve-controlled conduit means to communicate the outlet end of said auxiliary pump with either of said master cylinders, and valve-controlled conduit means to selectively communicate said master cylinders with the inlet end of the auxiliary pump.

2,244,883
WIRING DEVICE
Arthur O. La Ducer, West Hartford, Conn., assignor to The Wiremold Company, a corporation of Connecticut
Application September 19, 1939, Serial No. 295,589
10 Claims. (Cl. 173—334.1)



1. An electrical wiring assembly comprising a wire-receiving conduit having a bottom wall and side walls extending upwardly therefrom, an electrical outlet fitting comprising a rectangular body member mounted in the conduit, said conduit side walls and the said sides of fitting body member each being provided with longitudinally extending lips positioned so as to be in substantial registry when the fitting is mounted in the conduit, and means for locking the fitting in the conduit comprising a longitudinally extending pin engaging the lips of both the fitting body member and the conduit side walls in a manner to prevent withdrawal of the fitting from the conduit.

2,244,884
PUMP JACK
Frederick A. Lage, Gladbrook, Iowa
Application February 23, 1940, Serial No. 320,464
3 Claims. (Cl. 74—41)



1. In a device of the class described, a frame, a drive shaft, a sprocket pinion carried by said shaft, a lever arm of the first class, a sprocket wheel, a hub carried by one side of said sprocket wheel and mounted concentrically of its periphery, means rotatably and eccentrically mounting said sprocket and hub to one end of said lever, a chain operatively connecting said sprockets, arcuate means for engaging the periphery of said hub, having its center in common with the center of said drive shaft, means for connecting the other end of said lever arm to a load offering resistance to the movement of said arm in either direction, whereby uniform rotary movement being imparted to the first sprocket will cause the load to be reciprocated at uniform accelerated speeds.

2,244,885
SNAP FASTENER ELEMENT AND ITS MANUFACTURE
Frank F. Langley, Berkley, Mich., assignor to Universal Button Fastening & Button Company, Detroit, Mich., a corporation of Michigan
Application December 29, 1938, Serial No. 248,244
2 Claims. (Cl. 24—219)



1. As an article of manufacture, a small sized snap fastener stud element for garments and the like comprising a base and stud portion integral throughout and made of solid metal stock, said stud portion not substantially exceeding $\frac{1}{8}$ of an inch in external diameter and being in the form of a solid annular flange outwardly flared and thicker at its base than at its head, said stud element being substantially stronger than a sheet metal stud element of the same size, said base having a marginal rim extending beyond said stud and having a pair of spaced holes therein inside said stud to provide an intervening bar integral with said base to receive the prongs of an attaching fastener, the metal forming said bar being substantially thicker than the metal at the margin of said base.

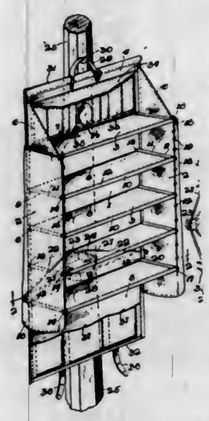
2,244,886
LUBRICATING OIL
Bert H. Lincoln, Ponca City, Okla., and Alfred Henriksen, deceased, late of Ponca City, Okla., by John W. Wolfe, administrator, Ponca City, Okla., assignors, by mesne assignments, to The Lubri-Zol Development Corporation, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application August 28, 1939, Serial No. 292,292
11 Claims. (Cl. 252—48)

1. An improved lubricating oil comprising a major proportion of mineral oil and a minor amount of a sulphur-chloride treated condensation product of a halogenated paraffin and an aromatic hydrocarbon.

2,244,887
COLLAPSIBLE SHELVED CABINET
Frederick W. Manley, St. Augustine, Fla.
Application September 25, 1940, Serial No. 358,345
5 Claims. (Cl. 312—6)

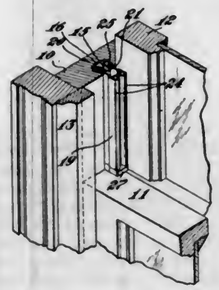
1. A collapsible cabinet formed from fabric, comprising a back wall having side walls attached thereto, a plurality of superimposed shelves positioned between the side walls, each of said shelves being attached along one side to the back wall and having pockets formed in its unattached front and side portions adapted to receive rigid insert members, insert members in said pocket portions, means to support the shelves in spaced relation between the side walls, means to suspend

the cabinet from a tent pole and means to prevent relative movement of the cabinet with respect to the pole, comprising a ring member adapted to encircle the tent pole and having an eyelet formed on its peripheral surface, a rigid



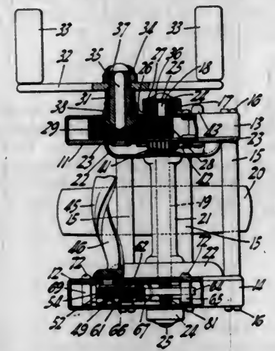
insert member disposed within a pocket formed in the back wall of the cabinet, said member extending beyond the edges of the wall and having an arm attached to each end thereof, the ends of said arms being formed with hook portions seated in the eyelet formed in the ring.

2,244,888
WINDOW
Frank L. Marshall, Needham, Mass.
Application August 5, 1939, Serial No. 288,634
4 Claims. (Cl. 20—12)



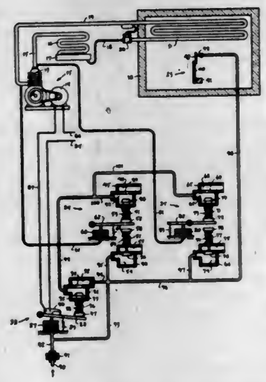
1. A parting strip adapted to be seated in the vertical groove of a window frame and to bear against the window sashes, which strip is substantially U-shaped in cross section and having rounded corners at the base, a rib projecting inwardly from the base, and inwardly projecting beads at the longitudinal edges of the side walls, portions of the outer surfaces of the side walls adjacent the beads bearing against the window sashes, the beads being spaced apart at all times, and longitudinally extending depressions in the side walls between such portions thereof and the base corners, which depressions are at all times out of contact with the walls of the groove and said groove having longitudinally extending recesses in such walls which receive the rounded base corners of the strip.

2,244,889
FISHING REEL
Hyla F. Maynes, North Tonawanda, N. Y., assignor of one-half to Emma C. Maynes, North Tonawanda, N. Y.
Application July 13, 1940, Serial No. 345,331
9 Claims. (Cl. 242—84.4)



1. In a fishing reel, a frame and a spool mounted thereon for winding a fishing line, a level wind shaft mounted on the frame for shifting the line alternately from end to end of the spool, means operatively connected to the spool for driving the level wind shaft in synchronized relation with the spool, and resilient detent means effective between the level wind shaft and its drive means for enabling manual movement of the level wind shaft relative to the driving means, to provide for adjustment of the level wind shaft and the driving means into proper phase relation.

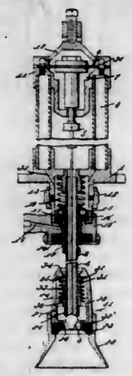
2,244,890
REFRIGERATION CONTROL SYSTEM
William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 31, 1938, Serial No. 248,681
24 Claims. (Cl. 62—4)



1. In a control system for a refrigerating apparatus having a compressor and evaporator means for performing a cooling function, the combination of, control means for controlling the operation of the compressor, pressure operated means for operating the control means, a source of fluid under pressure, first and second

valve means for controlling the supply of fluid from the source to the pressure operated means, means responsive to a temperature condition produced by the evaporator means for controlling the first valve means to operate the compressor upon a call for cooling, and means responsive to suction pressure for operating the second valve means to prevent starting of the compressor until the suction pressure increases to a defrosting value.

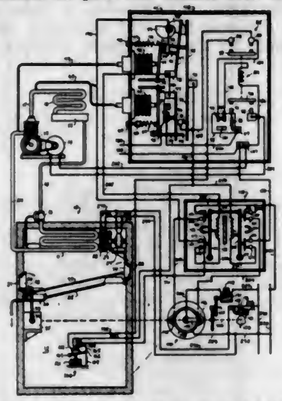
2,244,891
BELL TOP FOR FILLING VALVES
Chester Sylvester Mullenix, Pittsburgh, Pa., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application March 20, 1939, Serial No. 262,830
10 Claims. (Cl. 226—129)



7. In a filling valve for container filling machines, the combination with a filling tube adapted to be projected into the container to be filled and having an enlarged ferrule at the lower end thereof, of a bell top adapted to engage and seal the container to be filled and having an opening in the top thereof to permit the passage therethrough of said ferrule and removable ferrule-engaging means surrounding said tube, of greater diameter than said opening for normally preventing said bell top from dropping off the end of said tube when a container is removed from beneath the same and comprising separable segments.

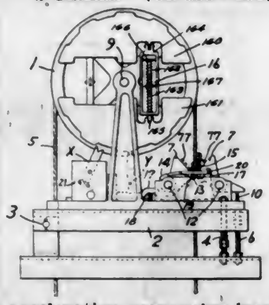
2,244,892
REFRIGERATION CONTROL SYSTEM
Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application January 20, 1939, Serial No. 251,993
17 Claims. (Cl. 62—4)

1. In a refrigeration system having an evaporator, a condenser and a compressor for circulating refrigerant through the evaporator, a casing housing said evaporator, said casing including a storage compartment, means responsive to the temperature in said storage compartment for controlling operation of said compressor to maintain the temperature in said storage compartment at a desired value, means for interrupting operation of the compressor when the suction pressure therein drops to a predetermined value and preventing restarting of the compressor after it has been stopped by reason of this drop in suction pressure until the evaporator is defrosted, and means responsive to the stopping of the compressor by the drop in suction pressure for isolating the evaporator from the storage compartment to prevent undue rise in tempera-



ture in the storage compartment while the evaporator is being defrosted.

2,244,893
ELEVATOR GOVERNOR
Carl Panter, Philadelphia, Pa., assignor to Atlantic Elevator Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application February 2, 1940, Serial No. 316,986
2 Claims. (Cl. 188—188)

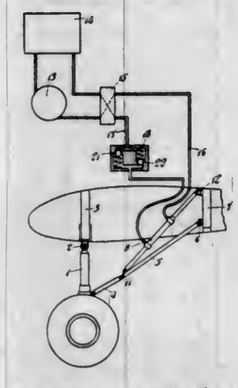


1. An acceleration-responsive inertia-operated governor for an elevator or the like comprising, a sheave, a control cable passing over said sheave, a support on which said sheave is mounted for rotation, a pivot mounting said support, springs stressing said support in one direction about said pivot, a stationary bolt mounted adjacent the free end of said support, and dogs carried by said support adjacent said cable and arranged upon movement of said support about its pivot to be stressed by said bolt and to engage said cable.

2,244,894
LIQUID PRESSURE CONTROL SYSTEM
Sydney Macdonald Parker, Myton, England, assignor to Automotive Products Company Limited, London, England
Application January 22, 1938, Serial No. 186,448
In Great Britain January 30, 1937
5 Claims. (Cl. 60—52)

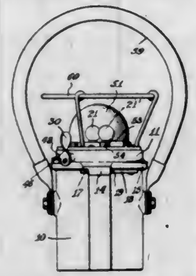
3. A liquid pressure control system including a pump, a reservoir, a motor having a piston movable therein first in one direction and subsequently in the opposite direction, connections between the pump, the reservoir and the motor, means for rendering said connections effective for re-

stricting the flow of liquid from the motor when the piston is operated in one direction, and means



operated by a pressure rise behind the piston, during any stage of piston movement in said one direction, for by-passing the restricting means.

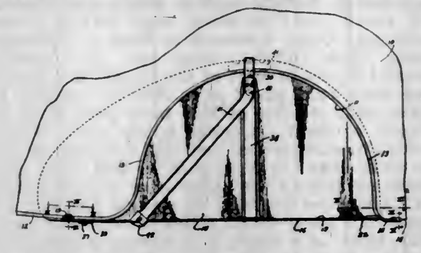
2,244,895
ELECTRIC LANTERN
Judson S. Pixley, Forest Hills, N. Y., assignor to Armspear Manufacturing Company, New York, N. Y., a corporation of New York
Application June 19, 1940, Serial No. 341,270
4 Claims. (Cl. 240—10.63)



1. An electric lantern comprising a casing for a battery having a terminal, a carrier having sockets for a number of bulbs movable over the battery terminal to bring either one of the bulbs in the sockets into contact with the terminal, means exterior of the casing for actuating said carrier and a stop for normally limiting the operative movement of said carrier whereby only one bulb can be moved into contact with the terminal, said stop being retractable to permit said carrier to be moved to bring said bulb out of contact with the terminal and to permit said carrier to be moved to bring another bulb into contact with the terminal.

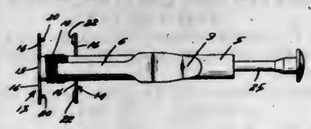
2,244,896
FENDER SHIELD AND SUPPORT
Charles F. Purdy, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application August 5, 1939, Serial No. 288,513
5 Claims. (Cl. 280—153)

1. In a fender shield comprising a panel adapted to cover the wheel access opening in a fender having an upturned lower edge extending along the bottom of the fender on at least one side of said opening, means for supporting said panel on said fender including a hook adapted to fit



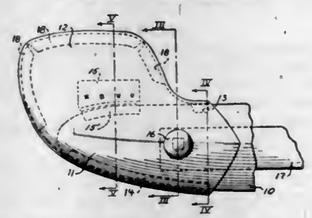
on said upturned fender edge and pivotally connected to the bottom of said panel for swinging with respect thereto about a substantially horizontal axis parallel to the plane of said panel.

2,244,897
HAIR CURLER
Heliodoro Rubira, Jersey City, N. J.
Application January 28, 1941, Serial No. 376,381
3 Claims. (Cl. 132—33)



1. In a hair curling device, a barrel having diametrically arranged slots therein extending longitudinally and passing through one end of the barrel, a pair of separable clamping members each including a central portion having a sliding fit in the barrel and a pair of diametrically arranged arms for passing through the slots of the barrel, said members being placed in the slotted part of the barrel in spaced relation and the barrel adapted to have a tress of hair wound thereon between the two members, the two members having thereon complemental fastening elements for securing the two members together when the members are pressed together and a manually operated plunger in the barrel for pressing the two members together to grip the tress between them and to push the two members with the tress between them out of the barrel.

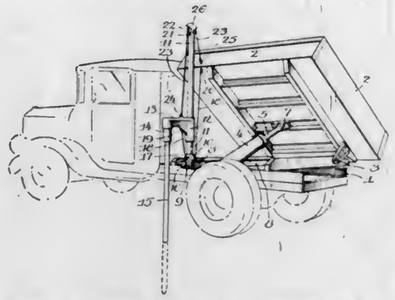
2,244,898
FENDER GUARD STRUCTURE
Ray A. Sandberg, Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application October 7, 1939, Serial No. 298,354
1 Claim. (Cl. 293—55)



A fender guard for the tapering end of a bumper impact bar in the form of an L-shaped

structure whose longitudinally extending body part is transversely bent to fit against the front face of the impact bar tapered end and whose upstanding vertical part is widened to increase the guard area, the lower edge portion of said body part being deflected to form a continuous lower hook parallel with and for engaging around the lower edge of the impact bar tapered end when said guard is in service position, the upper edge portion of said body part being deflected to form an inner upper hook, a plate welded to said vertical part and deflected to form an outer upper hook, said inner and outer hooks engaging around the upper edge of said tapered end when the guard is in service position, said upper and lower hooks being so vertically spaced that, when said guard is in service position with said hooks in engagement with the tapered end edges, the outer end of said guard will project a distance laterally outwardly beyond the tip of said tapered end to form a continuation thereof and to properly align the vertical part of the guard relative to the vehicle fender, and means for securing said guard against lateral outward displacement on said tapered end.

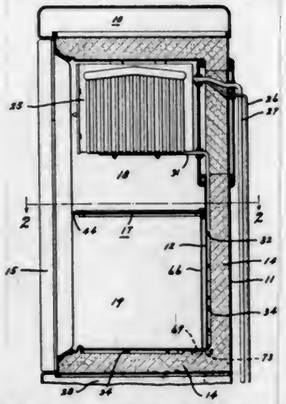
2,244,899
APPARATUS FOR DRIVING FENCE POSTS AND THE LIKE
George D. Smith, Mount Pleasant, Iowa, assignor of one-fourth to W. A. Griffith, Mount Pleasant, Iowa
Application February 23, 1940, Serial No. 320,302
11 Claims. (Cl. 254—29)



1. Post-driving apparatus comprising a substantially vertical guide, a driving head slidably mounted on said guide, a cable secured to said head to exert a downward pull thereon to drive a post into the ground, a second cable secured to said head to exert an upward pull thereon, a truck having a movable body, one end of each of said cables being fastened to said body for alternately exerting a pull first on one of said cables and then on the other to move said head as said body moves.

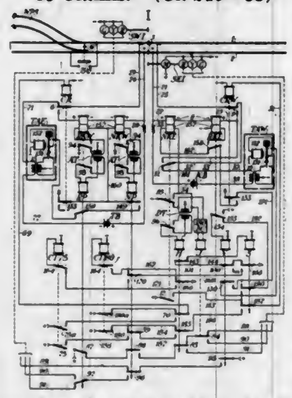
2,244,900
REFRIGERATING APPARATUS
Frank F. Starr, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 20, 1939, Serial No. 285,563
7 Claims. (Cl. 62—103)

1. In refrigerating apparatus, the combination of a structure defining first and second zones to be refrigerated, means for cooling the air in the first zone to a low temperature, means for cooling the air in the second zone to a temperature higher than the temperature of said first zone, and means responsive to the accumulation of a predetermined amount of condensation from the



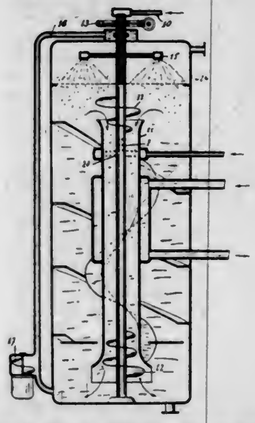
air in one of said zones for establishing communication between the zones.

2,244,901
ABSOLUTE PERMISSIVE BLOCK SYSTEM OF RAILWAY SIGNALING
Crawford E. Staples, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 26, 1940, Serial No. 315,801
39 Claims. (Cl. 246—33)



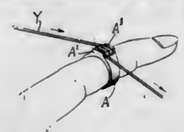
1. In combination, a stretch of railway track that is arranged into a plurality of consecutive track sections, means at a given end of each of said sections for supplying the rails thereof with master code energy in the form of recurring pulses that are separated by "off" period intervals, means located at the opposite end of each of said sections and controlled by the there received pulses of said master code energy for further supplying the section rails with pulses of feed back energy which recur in step with the said master code "off" periods, means at each point of track section division in said stretch for causing the there supplied pulses of said feed back energy to have normal polarity when all sections between that point and the extreme opposite end of the stretch are vacant and to have reverse polarity when any one of these sections is occupied, a headblock signal positioned at the extreme given end of the stretch to govern the entry of traffic into the stretch by way of that given end, and means controlled by the said feed back energy pulses which are received at the location of said signal for conditioning that signal to show "proceed" when those pulses have said normal polarity and "stop" when those pulses either have said reverse polarity or are discontinued whereby the latter indication conditioning is produced by the entry of a train into the extreme opposite end of said stretch and is continued as long as any part of the train remains within the stretch.

2,244,902
PROCESS FOR THE AUTOMATIC CULTIVATION OF YEAST
Eugen Stich, Mannheim, Germany
Application December 23, 1938, Serial No. 247,474
In Germany December 23, 1937
8 Claims. (Cl. 195—95)



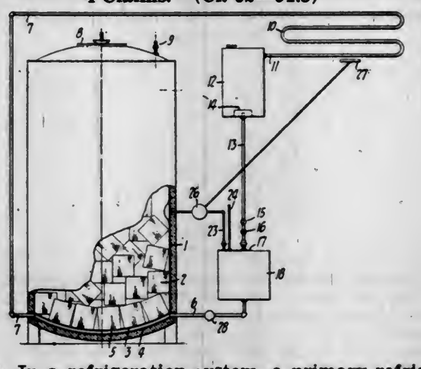
1. A process for the continuous cultivation of yeast by causing the mash to flow downwardly and upwardly in a predetermined path, supplying it with fresh air, wherein the fresh yeast will be introduced in the liquid under and near its level by flowing downwardly and controlling the speed of circulation of the mash in its travel in the respective paths.

2,244,903
MANUAL KNITTING ACCESSORY
Mimi S. Walk and Robert P. Walk, New York, N. Y.
Application April 27, 1940. Serial No. 331,908
13 Claims. (Cl. 242—153)



1. A manual knitting accessory consisting in a finger ring with a single enlarged head at one side, and having disposed in said single head a plurality of yarn guiding ways and for each way an outwardly extending entrance slot substantially narrower than the way and through which the tautened yarn can be forced inward into running engagement within the way; and said plurality of ways being arranged in substantial disalinement in the single head whereby the yarn traversing them in succession flows along a tortuous path with resulting friction and tension.

2,244,904
REFRIGERATION SYSTEM
Harry A. B. Brown, San Francisco, Calif.
Application May 1, 1939, Serial No. 271,052
4 Claims. (Cl. 62—91.5)



1. In a refrigeration system, a primary refrigerant composing a body of solid CO_2, a container in which said body is enclosed fitted with a hollow bottom having one of its walls disposed in heat exchange relationship with the said CO_2 and supporting the solid CO_2 thereon, an inlet and an outlet to the space between the walls forming said hollow bottom, a cooling coil, a first conduit leading from said outlet to one end of said cooling coil and a second conduit leading from the opposite end of said cooling coil to said inlet, said second conduit including a circulating control chamber, a gas pressure line communicating between said chamber and said container for conducting CO_2 gas resulting from evaporation of said solid CO_2 to said chamber, a float valve in said chamber arranged and adapted to control the flow of said liquid through the chamber toward said inlet, and means including the gas pressure in said gas pressure line and the liquid in said chamber arranged and adapted to actuate said float valve for closing and opening said second conduit to flow of liquid to said inlet.

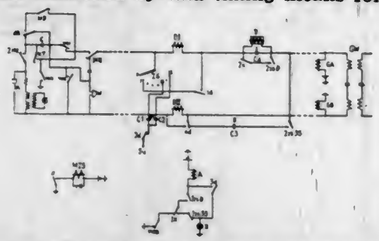
2,244,905
METHOD OF PRODUCING MULTICOLORED RELIEF PICTURES
Jack Crawford, New York, N. Y.
No Drawing. Application August 24, 1938, Serial No. 226,469
5 Claims. (Cl. 95—5)

2. The method of producing a multi-colored picture within a single colloid relief image which comprises treating said image throughout with a dark dye adapted to subtract all colors from white light and which is removable from said relief, applying to local areas of said relief, respectively, different dyes adapted to give different selective subtractions of color from white light and adapted gradually to replace the first-named dye in said image.

2,244,906
TELEPHONE SYSTEM
Hinrich Döhle, Altglienicke, near Berlin, Germany, assignor to Telephon-Apparat Fabrik E. Zwietusch and Co. G. m. b. H., Charlottenburg, Berlin, Germany
Application January 3, 1938, Serial No. 182,987
In Germany January 25, 1937
8 Claims. (Cl. 179—6.31)

2. In a telephone system, a calling line and a

called line, means for completing a connection therebetween, a device required to be operated by one of the subscribers before beginning conversation over said connection, means controlled by said device for timing said conversation, and means controlled by said timing means for impressing an audible tone upon the connection after an interval of time thereby to render conversation thereover difficult, said device reoperable by said one subscriber to control said timing means to cause said tone to be removed from said connection.

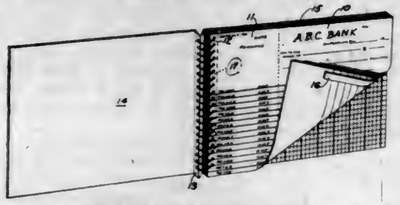


2,244,907
SHRIMP-TRAWLING DEVICE
John W. Enright, New Orleans, La.
Application January 23, 1941, Serial No. 375,599
6 Claims. (Cl. 43—9)



1. A trawling device including a trawl-net having a lead-line on the lower part of the mouth and a cork-line on the upper part of the mouth, a pair of trawl-boards for opening the mouth of the trawl, a pair of trawl-lines connected to the trawl-boards, and means for increasing the opening of the trawl-mouth horizontally, said means comprising tow-lines connected to the rear of the trawl-net for carrying the weight of the trawl contents thereby relieving the drag on the trawl-boards and allowing them to spread outwardly.

2,244,908
CHECKBOOK AND ACCOUNT RECORD
Alfred A. Finnila, San Francisco, Calif.
Application January 15, 1940, Serial No. 313,912
1 Claim. (Cl. 283—66)



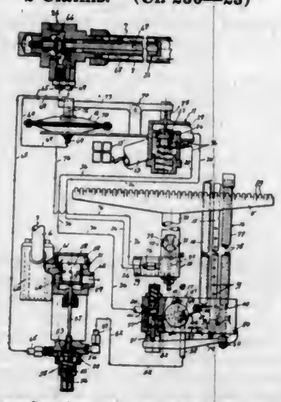
A combined check and record book comprising a plurality of sheets secured at one end in superimposed relation, certain adjacent sheets including stubs at their secured ends and outwardly extending check portions detachable therefrom along contiguous lines of severance, said certain sheets being arranged in a group with the sheets in stepped relation to expose an edge portion of each sheet below the sheet above for entry of data of the corresponding check, and a record transfer sheet underlying said group of sheets and having record receiving spaces aligned with the exposed portions of each stub of said stepped group of sheets to form a contiguous extension thereof when the checks are removed.

2,244,909
RAZOR
Harry B. Griner, Delanco, N. J.
Application April 7, 1939, Serial No. 266,444
3 Claims. (Cl. 30—64)



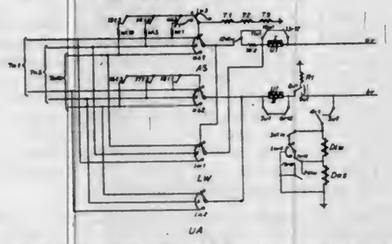
1. A razor comprising a handle, a reciprocal movable blade-engaging member located within said handle, said member including two aligned sections, a spring connecting and interposed between each of said aligned sections, a cone-like end on one of said sections whereby said cone-like end may engage the blade for said razor, a spring interposed between said handle and said blade-engaging member whereby said spring tends to push said handle away from said blade-engaging member, a cylindrical blade-engaging member guide, and an interfitting pin and socket on said guide and said blade-engaging member for elevating or lowering said blade-engaging member whereby the razor blade is held or loosened.

2,244,910
HEATER
Karl F. Hartmann, San Francisco, Calif., assignor of one-half to Morgan J. Doyle, San Francisco, Calif.
Application August 27, 1938, Serial No. 227,135
2 Claims. (Cl. 236—23)



1. In a gas heater the combination comprising a burner, a main conduit connected with a source of gas under pressure for conducting gas under pressure to the burner, a movable pressure actuated diaphragm valve at a point in said conduit for controlling the flow of gas in the conduit to said burner, a second conduit connected with said source of gas under pressure, gas pressure actuated means responsive for movement to variations in the pressure of gas in said second conduit operatively connected with said movable valve for moving said valve between open and closed position thereof upon variations in pressure in said second conduit, said second conduit being restricted to pass a lesser volume of gas therethrough than the main conduit and said second conduit being formed with a relief port open at all times for discharging the gas therefrom, a water conduit positioned to be heated by said burner for heating the water within the water conduit, a thermo-responsive device in said water conduit responsive for movement to variations in the temperature of the water in said water conduit, a valve in said second conduit operatively connected with said thermo-responsive device for movement from normally open position toward closed position upon increase in temperature of the water, a normally closed water actuated valve in said second gas conduit and means in said water conduit responsive for movement to the dynamic pressure of water flowing in said water conduit connected with said water actuated valve and arranged and adapted to substantially fully open said water actuated valve upon substantially any flow of water in said water conduit, and both of said valves in said second conduit positioned between the point of connection between said second conduit and said main conduit and the point of connection of said second conduit and said pressure actuated diaphragm valve.

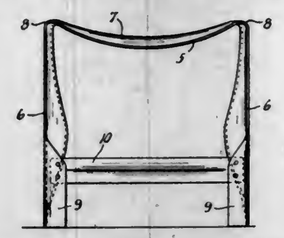
2,244,911
AUTOMATIC TELEPHONE SYSTEM
Eugen Jauch, Berlin-Siemensstadt, Germany, assignor to Fides Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten m. b. H., Berlin, Germany
Application November 21, 1938, Serial No. 241,506
In Germany November 22, 1937
14 Claims. (Cl. 179—26)



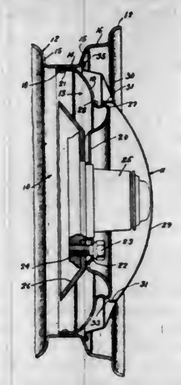
1. In a telephone system, two exchanges, means for completing a local connection between two subscribers' lines in one of said exchanges, a source of potential in the other of said exchanges, and means including but one two-conductor inter-exchange trunk line for connecting said source to said local connection to supply transmission current to both of said subscribers' lines.

2,244,912
SANITARY MILKING STOOL
Alfred A. Kollander, Stillwater, Minn.
Application August 29, 1938, Serial No. 227,369
7 Claims. (Cl. 155—194)

7. A milking stool or the like comprising, relatively short supporting legs, and a seat connected to said legs and having substantially identical form on each side of longitudinal and transverse center lines, said seat having longitudinal side edge portions, and portions sloping inwardly and upwardly from said longitudinal edge portions to said longitudinal center line and said edge portions also sloping upwardly from an intermediate portion thereof toward each end of said seat.



2,244,913
WHEEL DISK
George Albert Lyon, Allenhurst, N. J.
Application October 21, 1938, Serial No. 236,163
10 Claims. (Cl. 301—37)

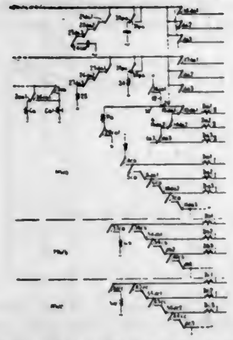


1. A wheel disk comprising a dome-shaped central portion, an annular outer portion, and a rearwardly extending flange of double thickness connecting said portions together, said flange including a plurality of integral folded wheel attaching fastening fingers.

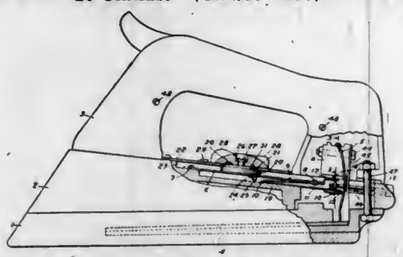
2,244,914
TELEPHONE SYSTEM
Walter Mai, Berlin-Siemensstadt, and Herbert Richter, Berlin-Charlottenburg, Germany, assignors to Fides Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung, Berlin, Germany, a corporation of Germany
Application September 16, 1939, Serial No. 295,242
In Germany September 27, 1938
5 Claims. (Cl. 179—18)

1. In a relay selecting switch having means for connecting any one of a plurality of incoming lines to an idle one of a plurality of outgoing lines, a plurality of test relays for each incoming line one for each outgoing line, a contact chain controlled by said relays and operated upon initiation of a call from one of said incoming lines to determine the series succession in which the outgoing lines

may be seized and another contact chain controlled by said relays for determining the succession in which said selectors have access to the same outgoing line.



2,244,915
THERMOSTATIC SWITCH
Stanley Marvin, Burlingame, Calif., assignor to B. E. Witkin, Oakland, Calif.
Application September 16, 1938, Serial No. 230,300
10 Claims. (Cl. 200—137)

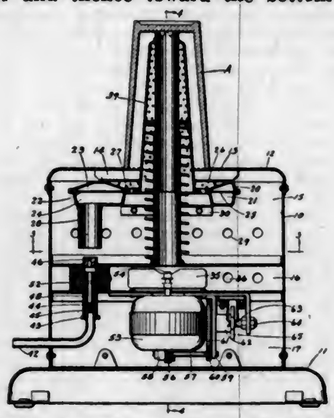


1. In a thermostat, a tiltable strut, a heat expansive body, elongated strips extending in opposite directions respectively connecting opposite ends of said strut with remote points on said body in a manner to cause tilting of said strut upon the pulling of said strips through elongation of said body upon expansion by heat, and switch means operated by the tilting of said strut.

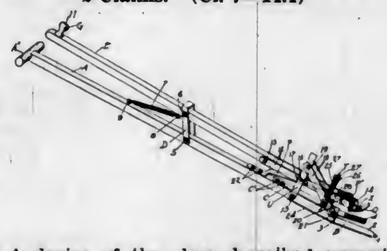
2,244,916
STERILIZING DEVICE
Howard I. Morris, Lakewood, Ohio
Application April 13, 1939, Serial No. 267,536
15 Claims. (Cl. 21—2)

1. A device of the class described for sterilizing receptacles, comprising a support for receiving a receptacle, a burner positioned adjacent the open end of the receptacle for projecting a flame against the inner and outer surfaces of the receptacle, a tubular member adapted to extend into the receptacle and terminate adjacent the closed end thereof, and suction producing means associated with the outer end of said tubular member for withdrawing gases from the region adjacent to the closed end of the receptacle into and through said tubular member.

12. The method of sterilizing a receptacle which includes the steps of placing a receptacle on a support, projecting a flame from a point adjacent the open end of the receptacle onto the inner and outer walls thereof, evacuating the region adjacent the closed end of the receptacle, and inducing a flow of air outwardly from the center of the receptacle toward the inner wall thereof and thence toward the bottom of the receptacle thus causing the projected flame to adhere closely to the inner wall surface as it passes therealong.



2,244,917
DANDELION AND WEED ERADICATOR
Nicholas Muller, St. Paul, Minn.
Application June 12, 1939, Serial No. 278,611
2 Claims. (Cl. 7—14.4)



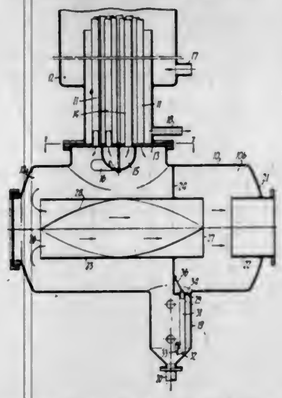
1. A device of the class described comprising a handle, a cutting blade attached to the under side of said handle and extending longitudinally therefrom, a yieldable spearing fork fixed to the upper side of said handle directly above and substantially parallel to said cutting blade, and a manually operated weed head clamping and locking means on said handle cooperating with said fork to engage and retain the speared and severed weed head therebetween.

2,244,918
DESK TELEPHONE SET
Herbert F. Obergfell, River Forest, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 9, 1938, Serial No. 218,356
1 Claim. (Cl. 179—146)



In a desk telephone, a cover formed in one piece comprising side walls each having a pair of spaced pillars forming the hand telephone supports, a rear inwardly and upwardly sloping surface between said side walls merging into a top surface, and a channel formed by said side walls and rear surface, a switchhook spring mounting plate inside said cover, a combined fingers lifting plate and mounting block on the outside of said cover for providing a finger grip to move the desk telephone and screws each extending through a hole in the switchhook spring mounting plate and a hole in the cover into a threaded hole in said combined plate and block for securing said mounting plate and said combined plate and block to said cover.

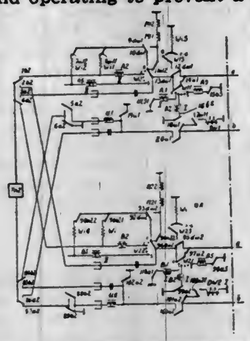
2,244,919
EVAPORATING APPARATUS
David D. Peebles, Berkeley, Calif.
Application August 15, 1938, Serial No. 224,909
4 Claims. (Cl. 183—111)



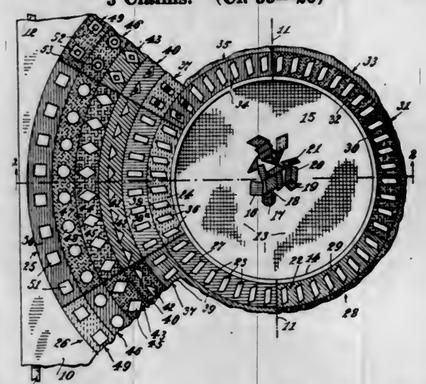
1. In evaporating apparatus of the character described having a receiver comprising a horizontally disposed casing, a vertically disposed partition serving to divide the interior of the receiver into two compartments, an open-ended conduit extending through said partition to establish communication therebetween, and means for discharging vapor and entrained liquid into said one of said compartments; a liquid outlet chamber depending from said casing in open communication with said one compartment, and means including a check valve for draining liquid from said other compartment into said liquid outlet chamber.

2,244,920
TELEPHONE SYSTEM
Helmut Post, Berlin-Charlottenburg, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application July 31, 1939, Serial No. 287,517
In Germany August 8, 1938
7 Claims. (Cl. 179—18)

1. In a telephone system having main and subexchanges and two conductor trunk lines connecting said exchanges, means in the main exchange for supplying all battery feed to the subexchanges, subscribers' lines in the sub-exchange normally common to a plurality of said trunk lines, step by step switching devices on each trunk line, means operated by the initiation of a call on a subscriber's line for operating the switching devices of one trunk line to complete a connection from the subscriber's line over the trunk line to the main exchange, one of the switching devices on each trunk line located in the main exchange and operating to prevent a connection being set up to the calling subscribers over other trunk lines.



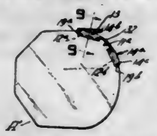
2,244,921
GAME
Dan Roth, Yonkers, N. Y.
Application February 21, 1940, Serial No. 320,066
3 Claims. (Cl. 35—26)



1. A game board including a first band bearing one color and provided with spaces of one definite shape to receive correspondingly shaped men, a first continuation of the band of still another color and provided with identical spaces, a third continuation of the band of still another color and provided with identical spaces, a second band parallel to the first band and of one of the other colors and provided with spaces of a second definite shape to receive correspondingly shaped men, a first continuation of the second band of a color unlike the first continuation and provided with spaces of the second shape, a second continuation of the second band of a color unlike the colors of the adjacent bands and provided with spaces of the second shape, a third continuation of the second band of a color unlike the colors of the adjacent bands and provided with spaces of the second shape, a third band parallel to the first band and of the color of one continuation and provided with spaces of a third definite shape, a first continuation of the third and of a color of one of the non-adjoining continuations and provided with spaces of the third shape, a second continuation of the color of one of the non-adjoining continuations and provided with spaces of the third shape, a third continuation of the color of one of the non-adjoining continuations and provided with spaces of the third

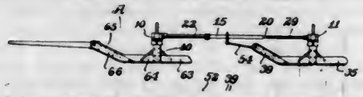
shape, a fourth band parallel to the first band and of the color of one continuation and provided with spaces of a fourth shape, a first continuation of the fourth band of the color of one of the non-adjoining continuations and provided with spaces of the fourth shape, a second continuation of the fourth band of the color of one of the non-adjoining continuations and provided with spaces of the fourth shape, a third continuation of the fourth band of the color of one of the non-adjoining continuations and provided with spaces of the fourth shape, and a set of men of each shape and color to match the spaces and colors.

2,244,922
EYEGLASS CONSTRUCTION
Oliver Ruud, Minneapolis, Minn., assignor, by mesne assignments, to Uhlemann Optical Co. of Illinois, Chicago, Ill., a corporation of Delaware
Substituted for abandoned application Serial No. 196,674, March 18, 1938. This application May 10, 1939, Serial No. 272,785
4 Claims. (Cl. 88—47)



1. An ophthalmic lens having an elongated facial groove adjacent an edge thereof extending along the face of the lens, a clip adjacent an edge of the lens having a securing portion provided with an elongated groove opposite and registering with the elongated groove in the lens, and a longitudinally movable retaining pin lying in said elongated grooves, the said grooves having entrance openings large enough to enable the endwise insertion of the pin into the groove when the clip is in position on the lens.

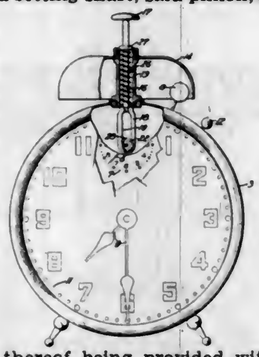
2,244,923
BOBSLED CONSTRUCTION
Emil Svoboda, Blooming Prairie, Minn.
Application December 23, 1938, Serial No. 247,357
5 Claims. (Cl. 280—15)



1. A bob sled including a cross member, a pair of spaced runners secured to opposite ends of said cross member, a vertical pivot connecting each of said runners to said cross member, a longitudinally extending bracket pivotally connected to each runner by means of a transverse pivot, a link pivotally connected to one end of each of said brackets, and a second link pivoted to the other end of each of said brackets.

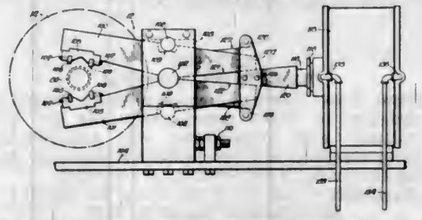
2,244,924
ALARM CLOCK
Roy M. Thorson, Richmond, Calif.
Application December 18, 1939, Serial No. 309,793
1 Claim. (Cl. 58—16)

In a clock provided with an automatic alarm system and having a setting shaft connected with and to rotate an alarm release member unidirectionally through a rotary cycle of positions, a tubular guide member mounted on said clock adjacent said setting shaft, a push rod mounted in and movable axially of said tubular guide member through a prescribed stroke, said push rod having at one end thereof, and encircling said setting shaft, an integral loop, one of the side members of said loop having gear teeth thereon, a pinion journaled on said setting shaft and having peripheral gear teeth in mesh with the gear teeth of said loop side member, said toothed side member of the loop and said pinion being relatively positioned so that, when the push rod is depressed, the pinion will be rotated in the direction of rotation of said setting shaft, said pinion, in the in-



ternal bore thereof being provided with a plurality of circumferentially inclined notches, rollers in said notches and engageable, upon depression of said push rod, respectively, with surfaces of the pinion and setting shaft to frictionally secure said pinion and setting shaft for movement together, and the stroke of said push rod being only slightly less than the pitch circumference of said pinion whereby, when said push rod is depressed through a complete stroke, said pinion and setting shaft will each be rotated slightly less than one complete revolution.

2,244,925
THREADING MACHINE AND WORK SUPPORTING MEMBER THEREFOR
John J. Tyne, Oak Park, Ill., assignor to Tyne Co., Chicago, Ill., a corporation of Illinois
Original application September 22, 1938, Serial No. 231,214, now Patent No. 2,235,908, dated March 25, 1941. Divided and this application February 19, 1941, Serial No. 379,701
4 Claims. (Cl. 10—107)



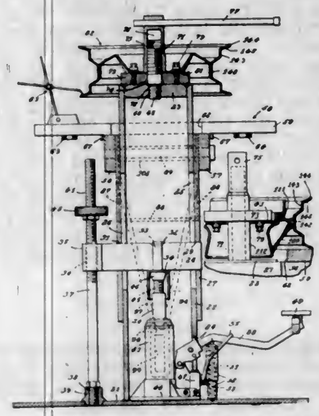
2. In a machine of the class described, a work supporting member comprising, in combination, a pair of pivoted jaw members adapted to be closed into holding engagement with the work, a wedge member engaging internally between said jaw members for swinging same to closed position to grip the work upon actuation of said wedge member in one direction, a yoke carried by said wedge member, and means carried by said yoke and engaging externally over said jaw members for opening said jaw members to release the work upon actuation of said wedge member in the opposite direction.

2,244,926
OPHTHALMIC LENS AND MOUNTING
Richard H. Uhlemann, Antioch, Ill., assignor to Uhlemann Optical Co. of Illinois, Chicago, Ill., a corporation of Delaware
Application May 13, 1939, Serial No. 273,576
6 Claims. (Cl. 88—47)



1. An ophthalmic lens having an elongated facial groove adjacent an edge thereof extending along the face of the lens at an oblique angle to the adjacent portion of the edge of the lens, a clip adjacent an edge of the lens having a securing portion provided with an elongated groove opposite and registering with the elongated groove in the lens, and longitudinally movable retaining means lying in said elongated grooves insertable by movement longtudinally of the grooves when the clip is in position on the lens.

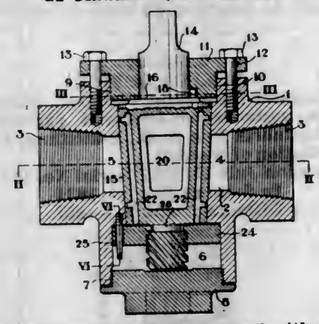
2,244,927
WHEEL PRESS
Thomas J. Vanstone, Walter E. Vanstone, and Elmer G. Etes, Rockford, Ill.
Application March 16, 1938, Serial No. 196,164
14 Claims. (Cl. 153—32)



1. The combination in a wheel press of means for supporting a wheel at the hub thereof, a table supported in a plane parallel to tne wheel hub, and means for moving the table toward and away from the wheel to exert a bending pressure thereon, a part of the table being movable out of parallelism with the hub to exert independent bending pressure on selected portions of the wheel upon movement of the table against the wheel.

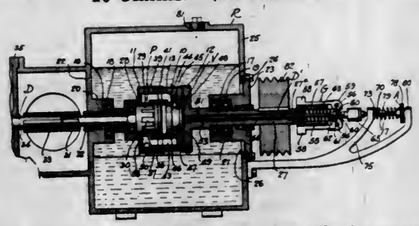
2. The combination in a wheel press of a central stationary column, means at one end thereof for supporting a wheel in axial relation therewith, a sleeve on said column movable thereon as a guide, a table on said sleeve adjacent the end thereof next to said wheel in a plane transverse to the axis of the sleeve and column, an arm on said sleeve projecting beyond said wheel, means on said arm disposed across said wheel and in spaced relation thereto, and means acting between said means and the adjacent side of said wheel for moving the sleeve and table to simultaneously exert a bending pressure on opposite sides of the wheel.

2,244,928
SELF-LUBRICATING VALVE
Homer J. Waddell, Baltimore, Ohio
Application August 10, 1940, Serial No. 352,095
11 Claims. (Cl. 251—93)



1. In a plug valve, a body formed with inlet and outlet ports and a tapered socket having a chamber at the smaller end, said socket establishing communication between said ports, the wall of said socket being formed with longitudinally extending recesses connected with said chamber, a tapered plug positioned in said socket for rotary adjustment, said plug having a transverse port to establish communication between the inlet and outlet ports when said plug is in one position of adjustment, a threaded extension on the smaller end of said plug, a piston disposed in said chamber and having an adjustable connection with said extension, guide means carried by said body and engaging said piston to prevent turning movement thereof whereby longitudinal movement will be imparted thereto when said plug is rotated, and removable cap means for providing access to said chamber to permit the insertion of lubricating medium, the movement of said piston in one direction in said chamber serving to force the lubricating medium into said recesses.

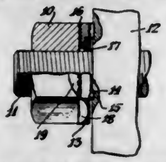
2,244,929
VARIABLE SPEED HYDRAULIC CLUTCH
Edmund L. Wall, Los Angeles, Calif.
Application October 21, 1939, Serial No. 300,669
10 Claims. (Cl. 192—61)



1. Mechanism of the class described comprising: a driving element; a driven element; means co-actable with said elements to operatively connect them hydraulically and including valve means by which said connection can be varied to vary the speed of the driven element relative to the driving element; governor mechanism operatively connected to said valve means and responsive to variations in speed of the driven element to so actuate said valve means that said hydraulic connection will be varied to restore the driven element to a predetermined constant speed; means by which the governor mechanism can be adjusted to vary the constant speed at which the driven element will be operated; and

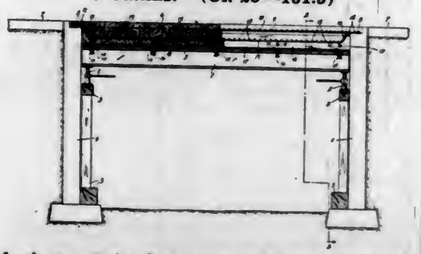
means co-actable with the last means to maintain said valve means in a position wherein said hydraulic connection will be disrupted so as to enable the driving element to be operated idly irrespective of the tendency of the governor mechanism to function as aforestated.

2,244,930
LOCKING DEVICE
August Gunnar Ferdinand Wallgren, Stockholm, Sweden, assignor to Liljeqvist Sågblads-Och Redskapsfabrik Nya A. B., Eskilstuna, Sweden, a corporation of Sweden
Application July 15, 1937, Serial No. 153,719
In Sweden July 17, 1936
7 Claims. (Cl. 151—35)



1. In a device for locking two members against relative rotation, a locking element adapted to be disposed between said members and being formed with a projection for engaging one of the members to thereby prevent relative rotation between said element and said one of said members, a lock washer adapted to be disposed between said element and the other of said members, said washer being rotatably and permanently connected to said element and being deformable to prevent rotation relative to said element, and means for preventing relative rotation between said washer and the other of said members.

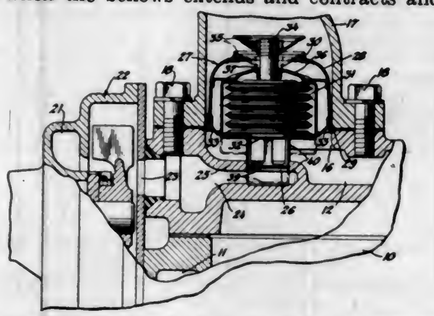
2,244,931
CONCRETE FORM
Charles G. Weber, St. Louis, Mo.
Application July 13, 1939, Serial No. 284,196
6 Claims. (Cl. 25—131.5)



1. A concrete form comprising a supporting beam, a bottom wall supported by said beam, side walls rising from said bottom wall, means supported by said beam and engaging said side walls for preventing outward movement of said side walls and for supporting a floor form wall, means between said side walls for preventing inward movement thereof and supports apart from said side walls for supporting said last named means.

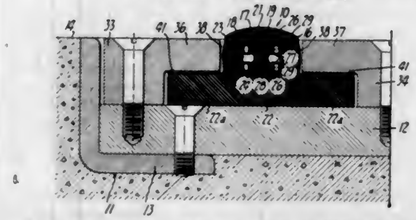
2,244,932
THERMOSTATICALLY CONTROLLED ENGINE COOLING SYSTEM
Orlin L. Anderson, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 4, 1938, Serial No. 205,971
5 Claims. (Cl. 236—34)

1. In a thermostat, a generally cup-shaped body with an external annular supporting flange on its open end and an orifice in its closed end, a spider-like member near the open end of the body with the outer ends of its legs connected thereto, an extensible and contractible metal bellows which contains a fluid which expands and contracts when its temperature rises and falls mounted within the body with one of its heads seated on and secured to the spider-like member, a valve on the same side of the spider-like member as the bellows connected to the other head of the bellows so that it moves away from and toward a position in which it is seated on the closed end of the body around the orifice in it when the bellows extends and contracts and



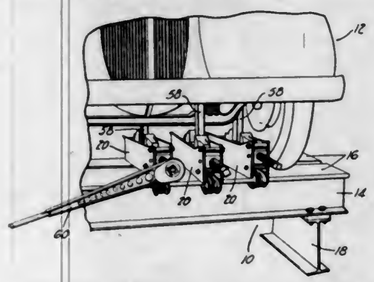
cooperates with the body to regulate the passage of fluid through the latter, and a disk-like valve on the side of the spider-like member opposite the bellows with legs which extend toward the spider-like member, then outwardly and then between the legs of the spider-like member into the body between the body and the bellows and are connected at their ends distant from the disk-like valve to the second mentioned head of the bellows so that the disk-like valve moves toward and away from the body as the bellows extends and contracts, the disk-like valve being free to cooperate with a member from which the thermostat is separable to regulate the passage of fluid through a port in the latter.

2,244,933
VEHICULAR TRAFFIC SWITCH
Ralph R. Armstrong, San Francisco, Calif.
Application April 11, 1938, Serial No. 201,319
4 Claims. (Cl. 200—86)



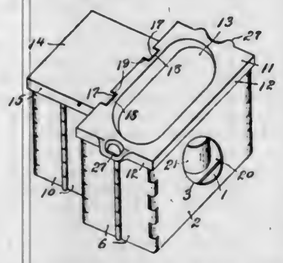
1. In a traffic switch, an elongated casing formed to afford an inner longitudinally extending passageway, said casing being adapted to be installed in conjunction with a roadway whereby the top wall of the casing is adapted to be engaged and depressed by vehicular traffic, thereby decreasing the vertical dimensioning of said passageway, and contacting means disposed within said passageway and adapted to be operated by a decrease in the vertical dimensioning of said passageway, said contacting means comprising a strip of resilient material, and electrical contacting strips retained on the upper and lower portions of said strip of resilient material and adapted to be brought into electrical engagement by compressing said strip of resilient material in a vertical direction, the upper strip having depending side portions and the lower strip having upwardly extending side portions, said side portions loosely embracing the upper and lower portions of the resilient strip and forming electrical contact surfaces.

2,244,934
AXLE STRAIGHTENER
Claude C. Bennett, South Bend, Ind., assignor to A. E. Feragen, Inc., Seattle, Wash., a corporation of Washington
Application April 19, 1937, Serial No. 137,616
2 Claims. (Cl. 153—48)



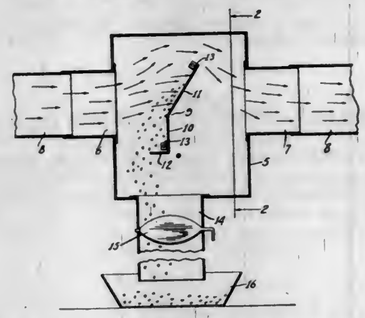
1. An apparatus of the class described comprising corresponding parallel side rails, oppositely disposed hooks secured between the rails and depending therefrom at the ends thereof for embracing a fixed support, a member slidable longitudinally between the rails having spaced pockets therein normal to the longitudinal axis of the member, a bar adapted to fit in either of the pockets, a screw mounted for travel between the rails, and means connecting the screw to the member.

2,244,935
CAMP STOVE
Gustave H. Binger, Topeka, Kans., assignor to Lakin Meade, Topeka, Kans.
Application August 14, 1939, Serial No. 290,024
3 Claims. (Cl. 126—9)



1. A collapsible camp stove having a fire chamber provided with a front wall having a fuel receiving opening, a rear wall having a smoke discharge opening, and two side walls each comprising two members hinged to each other and to the adjacent ends respectively of said front and rear walls, a rear chamber having a rear wall having a smoke discharge opening, the rear chamber having two side walls each comprising two members hinged to each other and to the said two rear walls respectively, the side walls of said two chambers being foldable so as to bring the walls to a flat collapsed position from a substantially rectangular operative position for the walls of each chamber, and two cover members removably mounted over said chambers respectively on the upper edges of the walls thereof and having downwardly extending projections engaging the adjacent ones of said walls for holding said walls from swinging to the collapsed position from their operative positions.

2,244,936
DRAFT CONTROL AND FLY ASH SEPARATOR
Charles Bird, Dayton, Ohio
Application March 4, 1940, Serial No. 322,053
2 Claims. (Cl. 126—280)

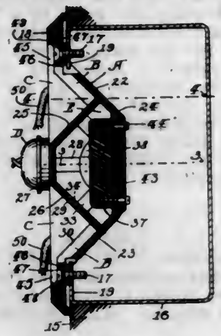


2. A draft control and ash separator for a furnace of the type having intermittently operating means for creating a forced draft through the fire bed and having a smoke pipe leading to a stack, comprising a casing having an inlet and an outlet on opposite sides thereof, substantially in line one with the other and adapted to be connected respectively with the furnace and the stack, a stationary baffle mounted in said casing between and in spaced relation to said inlet and said outlet and having its upper portion inclined upwardly toward the outlet wall of said casing, said baffle extending transversely beyond all edges of said inlet and having its several edges spaced from the adjacent walls of said casing to intercept solid products of combustion while permitting a substantially unrestricted flow of gaseous products of combustion about said edges to said outlet under forced draft, and a constantly open conduit communicating with said casing below said baffle and extending downwardly therefrom to receive the intercepted solids and so arranged that upon discontinuance of the forced draft the natural draft of the stack will draw air through said passageway and substantially eliminate all draft from the fire bowl.

2,244,937
ELECTRICAL OUTLET
Kenneth A. Brainard, Altadena, Calif.
Application November 27, 1939, Serial No. 306,349
7 Claims. (Cl. 173—330)

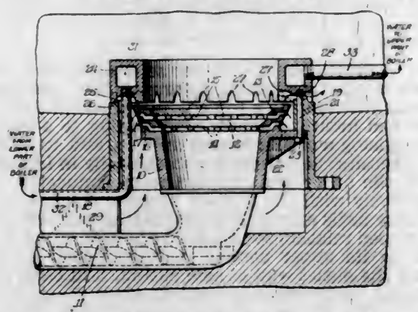
1. An electrical outlet, comprising, an outlet box adapted to be seated in the wall of a building structure, a face plate over the open end of the outlet box having a wedge shaped socket entering said outlet box, electrical plug connecting elements within said box and associated with said socket by which current is adapted to be

fed to the socket, means for fastening the face plate to the outlet box, and means carried by



the face plate for releasably securing a plug inserted in said socket.

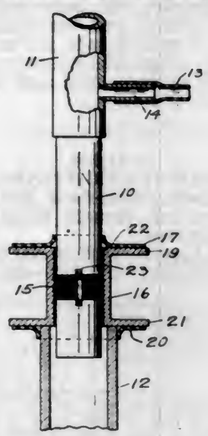
2,244,938
TUYERE CONSTRUCTION FOR COAL-BURNING STOKERS
Cornell Carlson and Eugene M. Rosen, Chicago, Ill., assignors, by direct and mesne assignments, of one-fourth to Beatrice J. Carlson, and one-fourth to George L. Coffey, both of Chicago, Ill.
Application May 18, 1939, Serial No. 274,344
7 Claims. (Cl. 122—374)



1. In a tuyère-top for a stoker-fed coal-burning retort, said retort and top when combined having registered central openings up through which the fuel is fed, such fuel passing over said top and down around the outer side thereof, said top having means therein to receive air under pressure and a series of outwardly-directed air-discharge passages delivering the air into the coal surrounding the retort and tuyère-top, the novel feature of the oblique-arrangement of said passages to cause conjointly a whirlwind circulation of their delivered air around the retort and top.

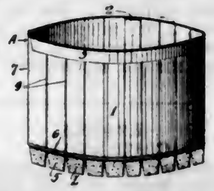
2,244,939
VACUUM CONNECTION
Walter A. Carlson, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
Application May 9, 1940, Serial No. 334,221
3 Claims. (Cl. 285—2)

1. In a vacuum connection of the class described, a tube having an external screw thread, a member having an internal thread coacting therewith for adjusting the same longitudinally on the tube so as to cause it to bear upon the end of a glass tube held in alignment with the first mentioned tube to prevent said tubes from telescoping, means for sealing the space between the member and tube, means for sealing the



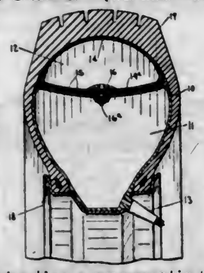
space between the member and glass tube, and means for draining gas from one end of the screw threads to the other when air is exhausted from the tubes.

2,244,940
CONTAINER
Herman A. Carruth, Mount Carmel, Conn., assignor to National Folding Box Company, New Haven, Conn., a corporation of New Jersey
Application August 13, 1936, Serial No. 95,785
3 Claims. (Cl. 229—5.5)



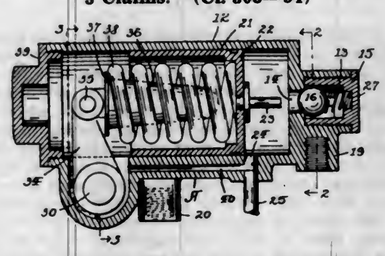
1. A paperboard container adapted to be shipped and stored in collapsed knockdown condition and set up by the user including, a tubular body member having diametrically opposed score lines permitting substantially flat collapse thereof, said body member having bottom-attaching portions extending from one end thereof, a separate bottom member adapted to be assembled by the user to the expanded tubular body member, said bottom-attaching portions having a layer of latex adhesive applied to the inside face thereof only, and a strip of latex adhesive applied to the outside face portions of said bottom end member only juxtaposed against said bottom-attaching portions, said bottom-attaching portions being folded inwardly so that the latex adhesive coated face thereof lies in non-adhering juxtaposition to the inside non-adhesive face of said tubular body member permitting collapsed aligned separate stacking of a plurality of said body members and said bottom members, said bottom member being insertable into said body member when expanded so that the latex adhesive layer applied to the bottom-attaching portions will contact and adhere to the adhesive coated face of said bottom member.

2,244,941
INNER TUBE
William H. Degnon, Cuyahoga Falls, Ohio
Application April 26, 1939, Serial No. 270,171
2 Claims. (Cl. 152—341)



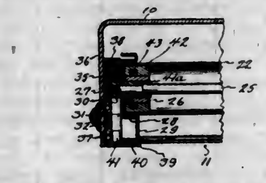
1. In combination a pneumatic tire casing having spaced beads on its inner periphery, and a rim on which said beads seat, said casing having a tread portion terminating in shoulders at the sides of the outer periphery thereof, an inner tube construction of thin flexible material for contacting the inner wall of said casing throughout the area thereof and for contacting the outer periphery of said rim between the beads, said inner tube construction having a flexible dividing wall extending across the same to the inner side wall of the tire casing outwardly of the median line of the casing and a substantial distance inwardly of said shoulders at each side of said tire to divide said tube construction into outer and inner circumferential chambers, the wall of the tube and the dividing wall, about said outer chamber, being inextensible, said outer chamber being filled with a fluid medium under relatively high pressure whereby the outer peripheral portion of the casing outwardly of said median line is comparatively rigid and the inner chamber being filled with a fluid medium at a relatively low pressure whereby the inner portion of the casing inwardly of said median line is comparatively yielding so that flexing of the tire under load is minimized about the outer chamber at the tread and the portions of the tire adjacent the shoulders of the casing, but about the inner chamber the inner portions of the tire will flex with comparative ease, the outer chamber when the tire is inflated being generally oval or elongate in cross-section with its major axis extending axially of the tire and through the side walls of the tire a substantial distance inwardly of the shoulders.

2,244,942
CONTROL VALVE FOR FLUID BRAKES
James T. Dickson, Los Angeles, Calif.
Application February 26, 1940, Serial No. 320,730
3 Claims. (Cl. 303—54)



3. In a valve controller for a high compression fluid actuating brake line, a check valve interposed in said line to check the flow of fluid therethrough, a cylinder having an ingress passage normally closed by said valve, a piston reciprocable in said cylinder having a projecting element adapted when the piston is depressed to enter said ingress passage and open said valve, said cylinder having an exhaust passage closed by the piston when the latter is depressed and opened to exhaust fluid received from the brake line into the cylinder when the piston is returned and said valve is released into closed position, a compression spring within said cylinder adapted to resiliently urge said piston into a position closing said exhaust passage and opening said valve, and means tending to compress said spring for urging the piston forward and applying said projecting element under spring pressure against said valve to resiliently adjust the latter and avoid sudden shock and jar from the flow of fluid delivered through the brake line, said cylinder having a drain passage for fluid from the chamber behind the piston to the exhaust passage leading from the chamber in the cylinder ahead of the piston.

2,244,943
VACUUM CLEANER
Dewey M. Dow, Toledo, Ohio, assignor to Air-Way Electric Appliance Corporation, Toledo, Ohio, a corporation of Delaware
Application July 27, 1936, Serial No. 92,712
5 Claims. (Cl. 15—6)



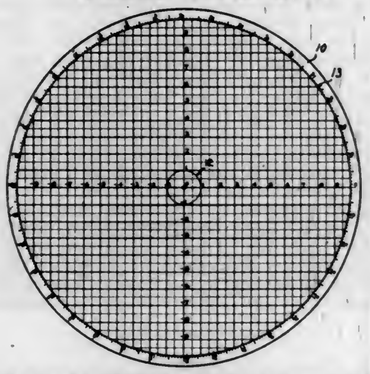
1. In a vacuum cleaner, a suction chamber, a motor driven rotary agitator therein, means on which said agitator is mounted for rotation, said means comprising shaft portions at the respective ends of the agitator, and vibration absorbing cushions secured to the respective end walls of the suction chamber and comprising substantially rectangularly shaped flat blocks of rubber secured to the vertical end walls of the chamber, said cushions each having a downwardly opening recess in which a corresponding shaft portion is releasably received and supported and a spring steel liner in each of said recesses and secured to said blocks.

2,244,944
JEWELRY
James A. S. Furlonge, Hollywood, Calif.
Application January 27, 1941, Serial No. 376,191
8 Claims. (Cl. 63—2)



1. An article of jewelry comprising a substantially U-shaped clasp having a bight and jaws, an artificial flower having a base mounted on the bight of said clasp, and the jaws of said clasp comprising means for removably clasping a support.

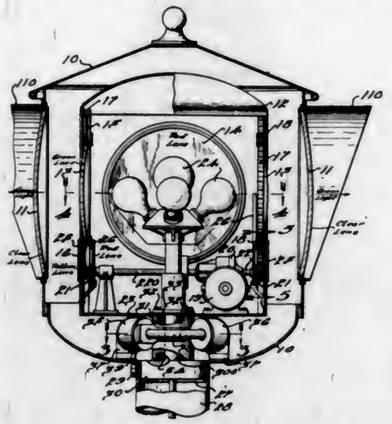
2,244,945
DEVICE FOR GRAPHICALLY SOLVING COMPLEX QUANTITIES
Edgar C. Goodale, Olympia, Wash.
Application July 12, 1939, Serial No. 283,941
8 Claims. (Cl. 33—75)



3. A graphic device for solving complex quantities comprising a plane flat surface member having a system of rectangular cartesian coordinates marked thereon, said system of coordinates having a point of origin on the surface member: a unit circle of one unit radius marked on said surface member concentric to said point of origin; a ten circle of ten unit radius marked on said surface member concentric to said point of origin; a transparent work sheet positioned over the surface member and pivoted at the point of origin of the system of coordinates and angularly movable relative to the system of coordinates and providing for complete and unobstructed visibility of the system of coordinates therethrough and having an upper surface upon which points may be marked; and an indicator member pivoted at the point of origin of the system of coordinates and angularly movable relative to said work sheet and said surface member and having visible marking means extending in a straight line radially outward from said point of origin.

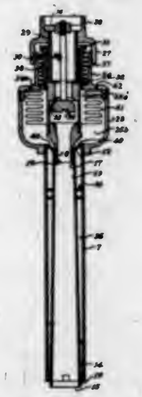
2,244,946
TRAFFIC SIGNAL
John J. Hammer, Detroit, Mich.
Application September 22, 1938, Serial No. 231,127
4 Claims. (Cl. 177—337)

1. A traffic signal light comprising a fixed outer housing, a clear lens in each side of the said outer housing, an inner housing mounted for arcuate reciprocation within said outer housing about the vertical center thereof, green and red lenses alternately disposed one in each side of said inner housing horizontally centered with respect to the said clear lenses in said outer housing, said green lenses being mounted for rotation about their horizontal center, a yellow lens, fixed radially adjacent each green lens, timing means, means responsive to said timing means for rotating said green lenses about their horizontal center whereby to cause said yellow lenses to travel around the center of said green lenses, illuminating means in said inner housing adapted to project light through said green, red and yellow lenses whereby to present green Go, red Stop and yellow Warning signals through said clear lenses, a shield adapted to obscure said yellow Warning signals when not traveling around the center of the said green signals, and means responsive to said timing means for reciprocating said inner housing on a sufficient arc about its vertical center whereby to change the green lenses horizontally centered on said clear lenses to red lenses and to change red lenses horizontally centered on said clear



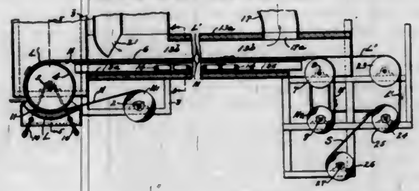
lenses to green lenses which simultaneously changes all green Go signals presented to red Stop signals and vice versa at the completion of the travel of the said yellow Warning signal around the center of each green Go signal.

2,244,947
NOZZLE TUBE
William A. Hargiss, Tulsa, Okla.
Application December 4, 1939, Serial No. 307,345
7 Claims. (Cl. 226—66)



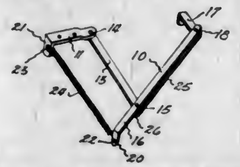
1. A nozzle tube comprising, an elongated tubular jacket, a Venturi tube extending longitudinally through said jacket and concentrically arranged therein to provide a substantially annular passageway between the jacket and tube which is open at one end, means providing communication between the opposite end of said passageway and the inlet end of said Venturi tube, a tubular nozzle member extending into the inlet end of said Venturi tube and having fluid tight engagement with the bore of said jacket rearwardly of said opposite end of said passageway, and signal means positioned in said passageway and responsive to the flow of gaseous fluid therethrough to emit an audible signal.

2,244,948
METHOD AND MEANS FOR PROCESSING LATEX
Theodor Hoenemann, East Providence, and Henry A. Stuart, Providence, R. I., assignors to Goodyear Footwear Corporation, Providence, R. I., a corporation of Delaware
Application October 31, 1938, Serial No. 237,938
3 Claims. (Cl. 18—15)



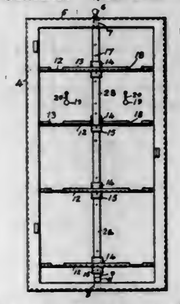
1. Apparatus for processing latex comprising, in combination, a trough holding a bath of latex, a rotatable drum arranged in said trough so that a portion of its circumference is submerged in said latex, a matrix strip having an impenetrable decorative surface, means for moving said strip around with the drum whereby a layer of latex is formed solely by adhesion with the decorative surface of the matrix, a drying chamber arranged to receive the matrix and its layer of latex from the drum, heating means associated with said chamber, including a heated plate along the surface of which the matrix slides and a blast of hot air directed against the latex film near the entrance of said chamber and continuing along the said film in the direction of its travel to close by the discharge end of the chamber, for drying the latex as it moves with the matrix through said chamber to form a strip of rubber material, and means near the discharge end of said chamber for separating the said strip from the matrix.

2,244,949
DOOR RETAINING DEVICE
Robert H. Hutchinson, Dallas, Tex.
Application November 29, 1938, Serial No. 242,953
1 Claim. (Cl. 292—263)



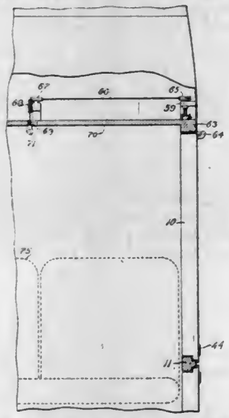
A door retaining device comprising an angular mounting bracket in fixed relation to the frame of said door, a single link pivoted at one end to said angular bracket and extending substantially at right angles to the inner surface of said door when the latter is closed, double links connected together with one end of one link arranged for outward springing action under pressure and to which the opposite end of said single link is pivoted and engageable in frictional contact with said double links to bring pressure to bear on the springable end of one of the links at each extreme position of the link assembly to provide a shock absorbing medium, a second mounting bracket secured to said door and to which said double links are pivoted at their outer ends, one of said double links extending beyond the point of pivot thereto of said single link, a coil spring, one end of which is connected to the end of said extended link, the other end of said spring being secured to the angular stationary mounting member whereby said spring will apply tension upon all of said links on either side of their relative pivotal points to retain the same in predetermined positions to hold said door in open or closed positions.

2,244,950
UTILITY STORAGE FACILITY
Fred W. Jones, Valparaiso, Ind.
Application September 11, 1939, Serial No. 294,223
2 Claims. (Cl. 312—183)



1. In a utility cabinet, a rotatable storage member, comprising separate circular shelves supported in spaced apart relation on a tubular shaft at the centers of the shelves, a removable pin support for the shaft at the top, a conical inwardly facing ending of the lower end of the shaft, an upwardly extending projection external of and below the shaft having a similar inwardly facing conical ending, and a single ball placed between the two conical endings.

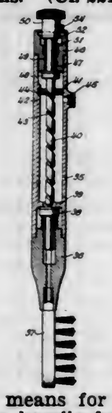
2,244,951
LOCK MECHANISM
Richard F. Joyce, Haverhill, Mass.
Application November 29, 1938, Serial No. 242,972
6 Claims. (Cl. 70—136)



1. Lock mechanism for a door hingedly mounted upon the frame of a vehicle, said lock mechanism including a bolt member rotatably mounted on said door, and a stud on said frame with which said bolt member interlocks to secure the door in its closed position when said bolt member is rotatively adjusted in one direction; a horizontal shaft journaled on said door and provided at its one end with a coupling member,

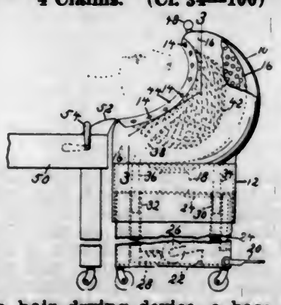
means connecting said shaft with said rotatable bolt member through which said shaft when rotated acts to rotatively adjust said bolt member in the opposite direction to unlock said door, and means mounted on said frame and accessible for operation by a person within the vehicle for operating said shaft, said means including a second shaft journaled on said frame provided at its one end with a coupling member to separably interlock with the coupling member on said first mentioned shaft when said door occupies its closed position.

2,244,952
DISPENSING DEVICE
Felix Kapelman, Bronx, N. Y.
Application August 8, 1939, Serial No. 288,937
2 Claims. (Cl. 221—79)



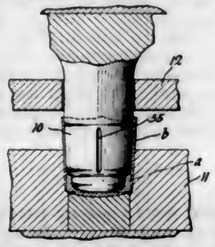
1. A dispensing means for a fountain tooth brush comprising a handle forming a reservoir, having a valve seat at one end, an end member on said handle forming another valve seat, a valve in said handle normally engaging the first named seat, a valve operating plunger rod normally spaced from said valve and slidable in said end member relative to said valve for operating contact therewith to open the same to permit passage of cleansing material from said reservoir, and a second valve on said rod in cooperative relation to said other valve seat to control the admission of air through said end member into said reservoir.

2,244,953
DRIER AND HEAD SUPPORT THEREFOR
Mabel L. Klingensmith, East Chicago, Ind.
Application July 15, 1939, Serial No. 284,657
4 Claims. (Cl. 34—100)



4. In a hair drying device, a base comprising an upper and a lower portion in telescoped association, means for raising and lowering the upper portion of said base, a substantially spherical dome positioned on the upper portion of said telescoped base, said dome having an opening therein into which a reclining customer's head may be inserted, fabric head supporting means positioned within said dome, a perforated baffle plate forming an inner hood positioned within said dome, portions of the outer surface of said baffle plate and the inner surface of said dome being spaced apart, a driven fan positioned in the lower part of said base, a conduit extending from said fan upwardly through said base into the interior of said dome, the upper end of said conduit being substantially Y-shaped, a plurality of discharge jets in the Y-shaped end of said conduit, said Y-shaped end conforming in shape and being positioned against the interior surface of said baffle plate, a heating element positioned within said conduit closely adjacent said fan, and a return duct extending from the interior of said dome downwardly into said base and being operably connected to said driven fan.

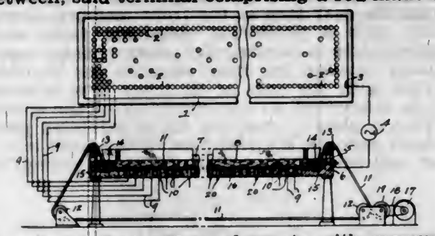
2,244,954
METHOD OF MANUFACTURING PISTONS
Arnold Lenz, Grand Blanc, and Earl A. Hall and Earl R. Wilson, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 30, 1936, Serial No. 108,338
1 Claim. (Cl. 29—156.5)



In the manufacture of a piston, the operations of subjecting a slug of metal to pressure between a female die element with a closed end and a male die element of smaller diameter than the female die element and thus molding the slug to form the head of the piston and extruding metal between the male and female die elements to produce the skirt of the piston, the female die element being so shallow that metal is extruded well beyond its open end, and, subsequently, subjecting the embryo piston to pressure between another female die element with a closed end and a male die element of smaller diameter than the female die element to shape it, the depth of the last mentioned female die element being substantially equal to the lengh of the embryo piston.

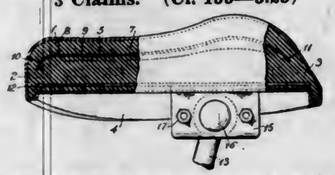
2,244,955
ELECTRIC SIGN CONTACT
John E. Long, Portland, Oreg.
Application December 3, 1938, Serial No. 243,688
2 Claims. (Cl. 200—46)

1. In an electric make-and-break element comprising a receptacle open to atmosphere and adapted to hold a pool of mercury constituting an electrical connection for an electric circuit, a terminal element extending into said receptacle below the normal surface of said pool for electrical connection with said pool of mercury, an insulating breaker element adapted to pass between said terminal element and said pool of mercury to break the electrical connection therebetween, said terminal comprising a rod made of



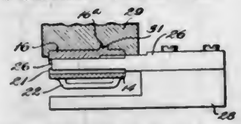
a material that will amalgamate with mercury and having a non-corrodible sheathing of substantial thickness covering the sides thereof.

2,244,956
SEAT
Calvin D. Miller and Gilbert P. Ickes, Elyria, Ohio
Application December 21, 1938, Serial No. 246,932
3 Claims. (Cl. 155—5.23)



3. A seat or saddle comprising a molded body of rubber, a reinforcing plate embedded within the body material near the load supporting surface of the seat or saddle, a base plate embedded in the lower portion of the body, said plates being relatively movable when the seat is under load, to compress the rubber material therebetween.

2,244,957
METHOD OF CONSTRUCTING SLIDERS
Louis H. Morin, Bronx, N. Y., assignor to Whitehall Patents Corporation, Bronx, N. Y., a corporation of New York
Original application July 16, 1938, Serial No. 219,536. Divided and this application December 13, 1938, Serial No. 245,417
2 Claims. (Cl. 18—55)



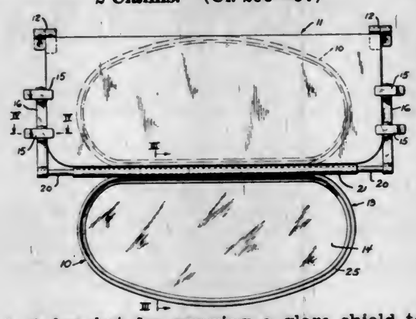
1. The herein described method of forming undercut recesses on the inner surface of one of two spaced and opposed thin walls of a hollow body, which comprises placing one forming tool having a projecting part shaped to form the desired undercut in said hollow body between said walls, said tool with the projection having less thickness than the space between said opposed walls, arranging another tool outwardly of the wall to be formed and in alinement with the first named tool, then moving said tools together to outwardly displace material from the inner surface of a predetermined section of said wall to form an undercut recess in said surface, then separating the tools from said wall by moving at least one tool away from the surface of the wall engaged thereby, and then removing the first named tool from said body.

2,244,958
VARIABLE ELECTRIC RESISTANCE DEVICE
George B. Moross, Jackson Heights, N. Y., assignor to Arthur H. Serrell, New York, N. Y.
Application February 1, 1939, Serial No. 254,064
3 Claims. (Cl. 201—55)



1. A variable electric resistance device comprising a resistance element, a rockably positioned member making a movable contact intermediate its ends with the resistance element to vary the effective resistance of the device, actuating means, the force of which is effective through a predetermined path of movement, means for connecting one end of the rock member and the actuating means so the member is positively directed thereby to cause slippage between the member and the resistance element, and resilient means for engaging the other end of the rock member to maintain the contact of the member with the resistance element.

2,244,959
GLARE SHIELD
Seizo Murata, San Francisco, Calif.
Application February 18, 1939, Serial No. 257,093
2 Claims. (Cl. 296—97)



1. A bracket for securing a glare shield to a generally rectangular sunshade of an automobile which comprises, means engageable with opposite edges of the sunshade and supporting a pair of rods extending coaxially and toward each other parallel to another edge of the sunshade, and a tubular member embracing the ends of said rods and supporting the glareshield whereby the rods may be adjusted to and away from each other and the glareshield will be free to pivot and slide with respect to the rods.

2,244,960
METHOD OF MAKING SEALS FOR DISCHARGE LAMPS
Evan Herbert Nelson, Harrow Weald, England, assignor to General Electric Company, a corporation of New York
Application August 16, 1940, Serial No. 352,982
In Great Britain August 10, 1939
1 Claim. (Cl. 49—81)

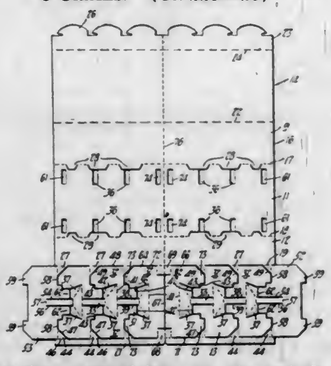
A method of manufacturing a hermetic, electrically conducting seal for a gaseous electric discharge device having a container of vitreous material of a low coefficient of expansion which comprises the steps of first forming a constriction in a tube of said material, introducing into said tube an electrically conducting linear ele-

ment comprising a thin, metal strip and a wire, said strip being attached at one end to said wire, said wire having a diameter closely approaching the inner diameter of said constriction, said strip being in one of the portions on either side of said constriction and a portion of said wire being



within said constriction, heating said tube at the constricted portion thereof and collapsing it into contact with said wire and then heating the portion of said tube surrounding said strip and collapsing it into contact with said strip to form a hermetically tight juncture therewith.

2,244,961
CARTON
George C. Nydegger, Chicago, Ill.
Application April 16, 1938, Serial No. 202,396
6 Claims. (Cl. 229—29)



1. A carton comprising, an elongated casing having rear, bottom, front and top walls, said top wall being cut to define a longitudinally extending divider strip intermediate said front and rear walls, a plurality of partitions cut from said top wall at the opposite sides of said strip and being foldable from said top wall into vertical position to define with said strip a plurality of longitudinally and transversely spaced individual compartments, and tongue portions formed from said top wall integral with said strips and partitions at the inside corners of said compartments to resiliently engage articles placed in said compartments and each including a free laterally extending part attached to said strip and one of said partitions.

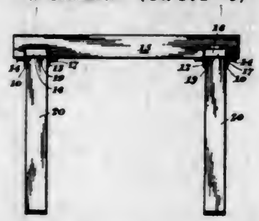
2,244,962
DISPLAY STAND
Rudolf Orthwine, New York, N. Y.
Application October 14, 1939, Serial No. 299,487
1 Claim. (Cl. 35—53)

In a display stand the combination of a front member having openings for the display of a piece of material, longitudinal spacer strips each with a horizontal supporting shoulder extending from the rear face of the front member, a rear strip with a projection extending from each spacer strip, a rectangular plate slidably positioned between the front member and the rear strips, with the ends of its lower edge adapted to be supported on the shoulders of the spacer strips, a piece of material to be exhibited positioned opposite the rear face of the front member and carried by said plate, a supporting leg



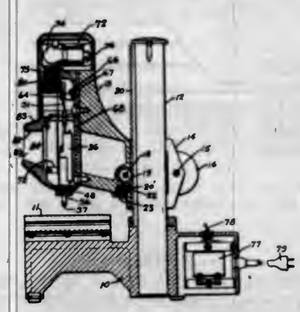
hinged on a vertical edge of each rear strip to swing rearwardly, each leg having an arcuate opening ending in a notch and a stop portion, and a flap hinged to each rear strip on a horizontal line and adapted to swing to a position normal to its strip and lying within said opening, each flap having a notch in its edge opposite the hinge, each opening adapted when its leg is swung outwardly to accommodate the outwardly swinging movement of the pivoted flap and receive the outer edge of said flap, said notches interengaging with each other, whereby the leg may be positively held in extended position.

2,244,963
SUPPORTING HORSE
Benjamin Poll, Holland, Mich.
Application December 6, 1939, Serial No. 307,748
2 Claims. (Cl. 304—5)



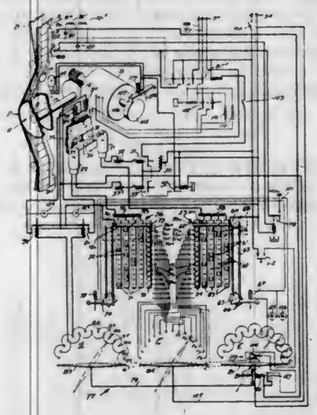
1. A supporting horse coupling comprising a cross-sectionally U-shaped member whose upstanding leg portions are each provided with a transverse notch each in alignment with the other for the reception of a cross bar, and a pair of U-shaped yokes secured to said body member at opposite sides thereof respectively, each U-shaped yoke having its leg portions secured to the leg portions respectively of the body member and each having its medial portion inclined downwardly-outwardly with respect to the body member, and each yoke being adapted to embrace the upper end portion of a supporting leg between said yoke and the medial portion of the U-shaped body member for maintaining the upper extremity of said supporting leg in abutting engagement with said cross bar.

2,244,964
MEASURING INSTRUMENT
Louis F. Poock and Willis Fay Aller, Dayton, Ohio, assignors to The Sheffield Corporation, a corporation of Ohio
Application October 21, 1939, Serial No. 300,649
16 Claims. (Cl. 33—172)



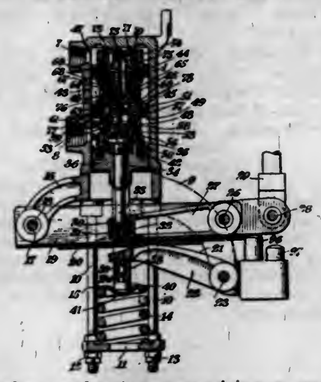
1. A gage comprising a support, a movable block, spring blades fixed to said block and to said support and mounting said block for reciprocatory movement, gaging means operated by said block, a rotatable adjusting member threaded in said block for axial adjustment therein, and a work operated part rotatably carried by said adjusting member and having means for moving it axially in the adjusting member as it is rotated.

2,244,965
HIGH SPEED FILM PRINTER
Frederick William Roberts, New York, N. Y., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware
Application May 1, 1939, Serial No. 271,040
23 Claims. (Cl. 95—75)



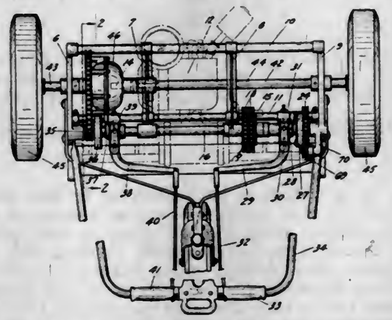
1. Film printing apparatus comprising the combination of means forming a film gate, a pair of printing lamps, means for alternately directing the light beams from said lamps onto said film gate, means for illuminating said lamps and film operated means for varying the intensity of illumination of one of said lamps when the light beam of the other of said lamps is directed onto said film gate.

2,244,966
HYDRAULIC POWER CONTROL VALVE
Edward A. Rockwell, West Hartford, Conn., assignor to The New Britain Machine Co., New Britain, Conn., a corporation of Connecticut
Application May 13, 1940, Serial No. 334,703
40 Claims. (Cl. 303—54)



1. A valve mechanism comprising a source of hydraulic pressure, a valve, the operative positions of which are substantially independent of the degree of the pressures delivered thereby, for controlling the delivery of the fluid pressure from the valve mechanism, manual means for operating said valve, and a device for controlling the delivery of said hydraulic pressure, having an element requiring the extent of movement of the manual means to accord approximately with the degree of the pressures delivered by said device.

2,244,967
POWER MOWER
Lester B. Roth, Prophetstown, Ill., assignor to Eclipse Lawn Mower Company, Prophetstown, Ill., a corporation of Illinois
Application August 15, 1938, Serial No. 224,914
4 Claims. (Cl. 56—26)



1. In a power mower, a frame comprising a plurality of frame plates having aligned openings and frame rods in said openings, a pair of wheel shaft sections, bearings in said frame plates carrying said wheel shaft sections and allowing longitudinal movement of said wheel shaft sections therethrough, a traction wheel on each of said shaft sections located exteriorly of said frame plates, a gear on the inner end of each of said shaft sections, a member rotatable on said shaft sections, engaging both of said gears and engaging one of said frame plates at each of its extremities along said shaft sections, whereby to

hold said shaft sections against longitudinal movement, and gearing movable with said member and engaging and differentially connecting said gears.

2,244,968

METHOD OF OXIDIZING STEROLIC COMPOUNDS AND PRODUCTS OBTAINED THEREBY

Erwin Schwenk, Montclair, N. J., and Bradley Whitman, New York, N. Y., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey

No Drawing. Application March 5, 1937, Serial No. 129,222
22 Claims. (Cl. 260—397.4)

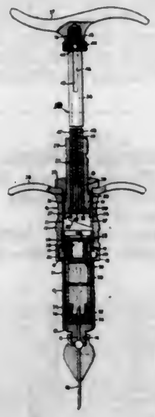
1. In a method of oxidizing a sterolic compound which is saturated in the nucleus to split off at least a portion of the side chain thereof while leaving the cyclopentano phenanthrene nucleus unbroken, the step which comprises subjecting such compound to the action of an oxidizing compound of chromium in the presence of sulfuric acid.

2,244,969

AMPOULE SYRINGE

Arthur E. Smith, Los Angeles, Calif.

Application May 20, 1940, Serial No. 336,170
9 Claims. (Cl. 128—218.1)



1. In a syringe, a barrel having a front member and a rear member thereon, means on said rear member adapted to engage an ampoule in the barrel, a plunger slidable through the rear member, said plunger being hollow, a slide bar slidably mounted in the outer end of said plunger, means for moving the slide bar, means normally urging said slide bar outwardly and a rod mounted on said slide bar, said rod having a pointed end normally disposed in the plunger.

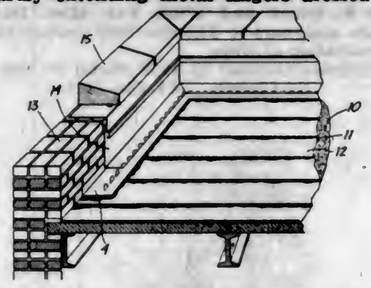
2,244,970

FLASHING FASTENER

Joseph R. V. Soucy, Somerville, Mass.

Application June 21, 1939, Serial No. 280,300
8 Claims. (Cl. 108—26)

1. In combination with a roof, a base flashing fastener comprising a piece of sheet roofing material positioned to lie in face contact with the roof and to be cemented to the roof, having upwardly extending metal fingers dressed over



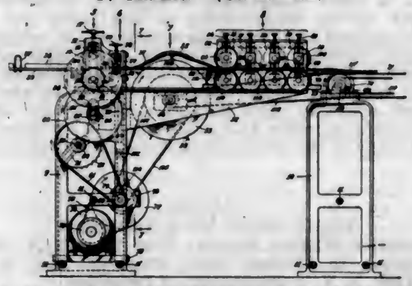
the edge of the base flashing positioned to lie in face to face relationship with said fastener.

2,244,971

DECORTICATING METHOD AND APPARATUS

Sylvester L. St. John, Mansfield, Mass.

Application July 21, 1939, Serial No. 285,640
37 Claims. (Cl. 19—21)



1. Method of decorticating bast fiber plants which comprises applying crushing pressure transversely of the stalk without bending the stalk and before the stalk has been bent sufficiently to produce substantial transverse fractures of the woody portion thereof, and thereafter bending the stalk back and forth in the absence of crushing pressure the crushing pressure being discontinued prior to the bending step.

2,244,972

STROKE INDICATING DEVICE

Lewis T. Stumpf, Cleveland, Ohio

Application April 27, 1940, Serial No. 332,027
4 Claims. (Cl. 265—21)



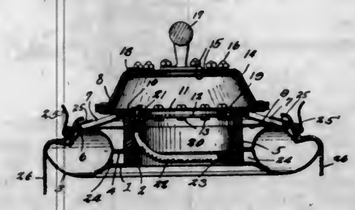
1. In combination with a club shaft, a sleeve mounted concentrically on said shaft and rigidly secured thereto against longitudinal movement therealong, said sleeve having an internal diameter greater than the external diameter of said shaft, an annular weight slidably embracing said shaft in the space between said shaft and sleeve, a helical spring surrounding said shaft in the space between said shaft and sleeve and urging said weight toward one end of said sleeve, said sleeve being provided with a slot, and a ratchet device comprising parts on said weight and on said sleeve at the edge of said slot arranged to permit free movement of said weight away from said one end of said sleeve and arranged to hold said weight against the action of said spring tending to move said weight toward said one end of said sleeve.

2,244,973

RESUSCITATOR

Harry L. Swan, Lake Village, Ark.

Application February 15, 1940, Serial No. 319,141
4 Claims. (Cl. 128—28)



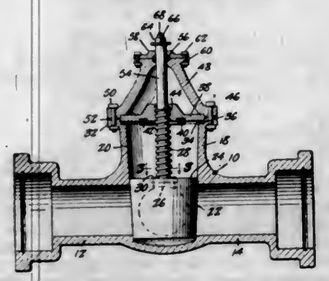
1. A resuscitator including a base, a sleeve thereon defining a suction chamber opening through the base, a collapsible suction cup connected to the sleeve, means carried by the cup for permitting escape of air when the cup is collapsed but for preventing the admission of air to the cup, a valve between the suction chamber and the suction cup for permitting flow of air from said chamber into the cup but preventing flow of air in the opposite direction, a compressible sealing ring surrounding and connected to the sleeve and bearing on the base, a pressure ring loosely mounted on and guided by the sleeve, and means adjustably connected to the pressure ring for holding the resuscitator to the body of a patient and placing the sealing ring under compression.

2,244,974

VALVE

James W. Thomas, Sr., Richmond, Mo.

Application February 9, 1939, Serial No. 255,527
1 Claim. (Cl. 251—49)



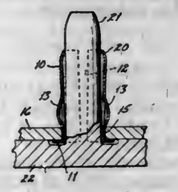
In a water main installation, a valve including a body provided with branches for connection with intersecting water mains, a stopper operable in said body for closing all the mains, said body being provided with a bored neck for accommodating the stopper when moved to an open position, a plate extending across said neck and provided with a threaded opening, a bonnet extending over the plate and fixedly related to said neck for clamping the plate in position, said bonnet being provided with an opening aligned with said threaded opening, a screw fixedly connected with said stopper and having threaded relation with said threaded opening and provided with a shaft extending through the opening in said bonnet, sealing means carried by said plate and extending about the screw to be engaged by the stopper when moved to a full open position, a packing gland carried by the bonnet embracing said shaft, sealing means between said plate and the neck, and sealing means interposed between the bonnet and said neck.

2,244,975

FASTENING DEVICE

George A. Tinnerman, Rocky River, Ohio, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application April 24, 1939, Serial No. 269,726
8 Claims. (Cl. 85—5)



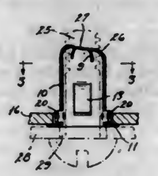
1. A fastening device comprising a hollow flexible sheet metal body open at both ends and having spaced shoulders adjacent one end thereof for engaging in an aperture in a support and retaining itself in article receiving position thereon, at least one of said shoulders comprising a protuberance that is deformed from the body and extends outwardly thereof, said body being adapted to receive a stud expanding the same and urging said protuberance thereon to a position positively retaining said body in fastening position in said aperture.

2,244,976

FASTENING DEVICE

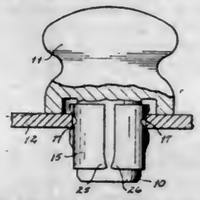
George A. Tinnerman, Rocky River, Ohio, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application June 8, 1939, Serial No. 278,053
11 Claims. (Cl. 85—32)



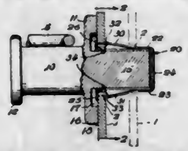
1. A fastening device comprising a hollow sheet metal body having an outwardly extending flange adjacent one edge thereof and having at least one flexible finger extending longitudinally thereof and spaced from the flange, the edge of the finger being spaced from the flange a distance sufficient to receive a support having a shoulder thereon, and said body having another finger deformed therefrom for engaging the shoulder and for preventing rotation thereof with reference to the support.

2,244,977
FASTENING DEVICE
George A. Hansman, Rocky River, and George A. Tinnerman, Cleveland, Ohio, assignors to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application December 29, 1939, Serial No. 311,548
15 Claims. (Cl. 85—36)



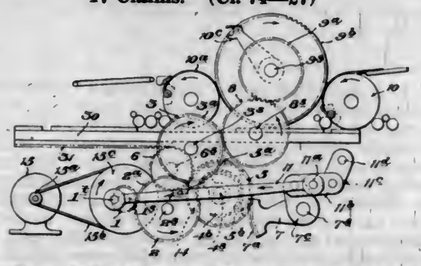
1. A fastening device comprising a hollow body of sheet material adapted to be passed through an opening in a support, the body having spaced slots therein, the walls of which engage the support to hold the fastener in self-sustaining position on the support.

2,244,978
SHELF-SUPPORT MOUNTING OR THE LIKE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application February 23, 1940, Serial No. 320,480
16 Claims. (Cl. 85—36)



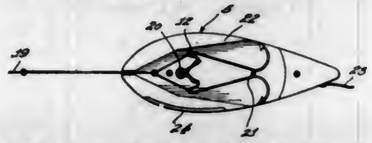
1. In a mounting for an object to be attached to a wall member, said object having a connecting stem receivable in a socket opening in said wall member, a spring clip associated with said connecting stem, said clip comprising a sheet metal member adapted to embrace said connecting stem and means spaced from the leading end thereof for engaging said connecting stem in gripping relation therewith, a yieldable substantial wing element projecting outwardly out of the general plane of said sheet metal clip, said wing element having an edge portion presenting a substantial shoulder adapted for fastening engagement with said socket opening in the wall member.

2,244,979
BED MOTION FOR PRINTING PRESSES
Burt F. Upham, Grimsby, Ontario, Canada
Application July 11, 1939, Serial No. 283,906
17 Claims. (Cl. 74—27)



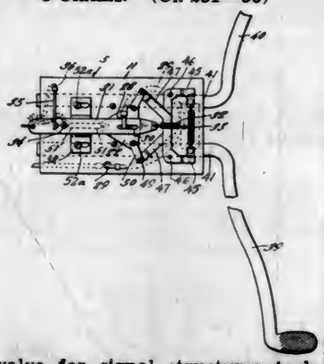
1. In a bed motion, a bed rack, a bed driving pinion meshing with said rack; a gear meshing with said pinion; means for alternately rotating the gear at uniform speed in opposite directions; spaced segments connected with said gear, and an oscillating segment adapted to alternately engage said spaced segments and cause the gear to reverse the bed at the end of each uniform movement and while said gear is disengaged with the means for operating it at uniform speed.

2,244,980
FISH LURE
George A. Abramson, Iron, Minn.
Application August 24, 1939, Serial No. 291,780
7 Claims. (Cl. 43—37)



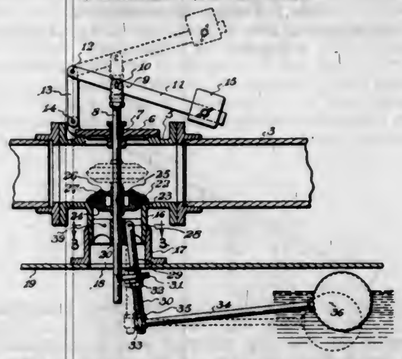
1. A fish lure comprising a body portion provided with a recess opening through opposite sides thereof, hooks pivotally mounted for lateral movement within the recess and having their inner ends provided with eyes, a pivot pin extending through said eyes, a spring coiled around the pivot pin and provided with arms engaging the hooks for holding said hooks in retracted position, and a line operatively connected with the hooks for moving the hooks to extended position when a pull is exerted on said body portion.

2,244,981
SIGNAL CONTROL
Malcolm F. Berglund, Chicago, Ill.
Substituted for abandoned application Serial No. 74,353, April 14, 1936. This application December 8, 1938, Serial No. 244,706
3 Claims. (Cl. 251—56)



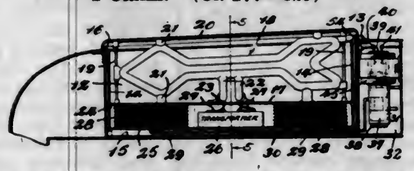
1. A valve for signal structures including a cylinder having a piston therein operatively connected with a signal element; a multiple ported valve, cylinder communicating tubes extending from the valve, said valve being operative to selectively communicate the suction line with the tubes, the valve ends of the tubes being bunched in juxtaposition, said valve including a plate shiftably mounted and having a suction line opening therethrough, said valve plate being in the form of a triangular-shaped plate and a plurality of abutments against which the plate can be shifted to limit movement in bringing the plate to proper position registering the suction line opening with the proper tube.

2,244,982
TANK DIVERTING VALVE
Earl J. Broberg, Tulsa, Okla., assignor to Phil B. Drane, Tulsa, Okla.
Application September 22, 1939, Serial No. 296,151
3 Claims. (Cl. 137—68)



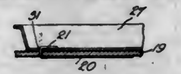
1. The combination with a liquid storage tank, a liquid supply line leading to said tank, a valve casing in said line, a branch pipe connecting the casing to the tank and discharging into the tank, a valve seat within the casing, a valve cooperating with said seat and controlling the flow of fluid through the branch pipe, a valve rod carried by said valve and extending through the branch pipe into the tank, weight means for normally forcing said valve rod downwardly and the valve to closed position, of means float controlled within the tank and cooperating with the lower end of the rod for holding the valve unseated when the liquid level in the tank is below a predetermined level and releasing said valve rod when the liquid level in the tank reaches a predetermined level, said float controlled means comprising an arm pivotally mounted within the branch pipe and extending downwardly into the tank and in the plane of the valve rod, an angularly disposed float arm carried by said downwardly extending arm, a float carried by said float arm within the tank, a latching member carried by the downwardly extending arm and adapted to engage the lower end of the valve rod and hold the valve unseated and to release said valve when a predetermined liquid level is obtained in the tank.

2,244,983
DIRECTION SIGNAL
Everett R. Codde, Oakland, Calif.
Application May 24, 1939, Serial No. 275,545
1 Claim. (Cl. 177—329)



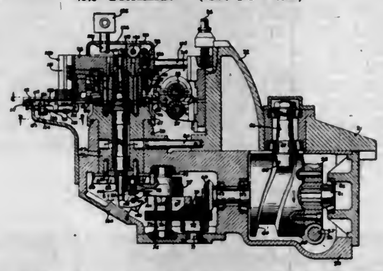
In combination with a vehicle having a top, an elongated well formed in the top, a vertically expansible bellows housed in the well adjacent respective ends of the well, a platform carried by the upper portions of the bellows, vertical rods in the well cooperable with the platform for guiding the latter during movement thereof, stop means on the rods for limiting downward movement of the platform, upright rods on the platform, an illuminable indicator carried by the platform and supported by said last named rods, a cover fixed to the upper ends of the last named rods for closing the well when the bellows are in collapsed position, an electrical circuit for the indicator, pneumatic means for expanding the bellows, exhaust means for the bellows, and switch means operable by said pneumatic means for completing the circuit to the indicator means.

2,244,984
DRESSING CASE
Morton Davis, South Orange, N. J., assignor to The Insel Company, Arlington, N. J., a corporation
Application January 6, 1939, Serial No. 249,650
9 Claims. (Cl. 150—34)



1. A dressing case having a supporting member with a flat surface, a receptacle having a removable cover, and bendable sheet metal fastening means projecting outwardly from the surface of the member and extending upwardly through the bottom of the receptacle.

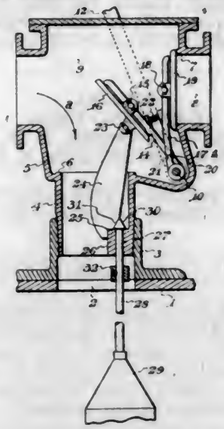
2,244,985
MACHINE TOOL
Joseph B. Armitage, Wauwatosa, and Joseph J. Lenert, Milwaukee, Wis., assignors to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application October 30, 1937, Serial No. 171,968
22 Claims. (Cl. 90—21)



1. In a machine tool having a base, the combination with a movable tool support and a movable work support, of a source of power, a motion transmitting gear train connectible with said power source to effect relative movement between said tool and work supports, a work holding magazine, cam actuated means for effecting transfer of workpieces from said magazine to said work support, cam actuated workpiece clamping means on said work support adapted to releasably retain workpieces thereon, cam actuated means for advancing the tool support toward the work support, means for positioning the clamped workpieces in alignment with the path of travel of the tool support, and means for removing workpieces from said work support after completion of the cutting action of the tool.

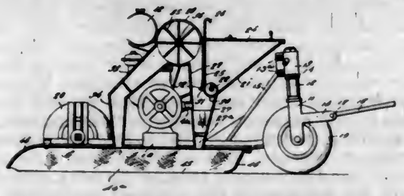
18. In an automatic milling machine, a work holding structure, a tool supporting structure mounted for movement relative to said work holding structure, work clamping means mounted on said work holding structure, and actuating means associated with said tool supporting structure and operative upon movement of said tool supporting structure relative to said work holding structure to effect operation of said work clamping means.

2,244,986
DIVERTING VALVE
Phillips B. Drane, Tulsa, Okla.
Application February 28, 1940, Serial No. 321,304
6 Claims. (Cl. 137—68)



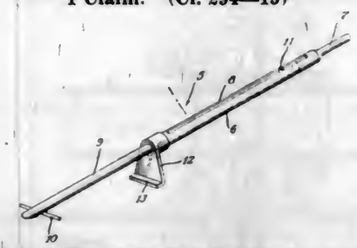
1. A float controlled diverting valve comprising a casing having a branch pipe connection with a tank, a supply line valve seat carried by the casing, a valve seat carried by the branch line connection at an angle to the supply line seat, a hinged valve cooperating with the supply line seat, a second independently hinged valve cooperating with the branch line seat, spring means interposed between said valves for normally forcing said valves away from each other, means for limiting the outward movement of the valves in relation to each other, float controlled latching means cooperating with the branch line valve for maintaining the supply line valve seated and the branch line valve unseated, said float controlled latching means when unlatched allowing the branch line valve to close and the supply line valve to open.

2,244,987
MATERIAL DISTRIBUTING MACHINE
Fred J. Faulkner, Brooklyn, N. Y.
Application August 19, 1938, Serial No. 225,831
4 Claims. (Cl. 275—2)



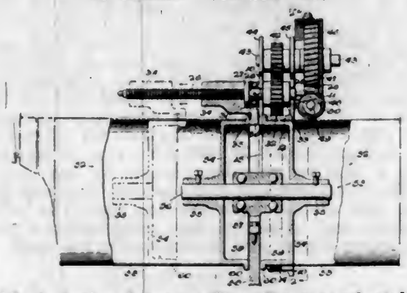
1. A material distributing machine comprising a wheeled frame structure, a shed-like structure depending from the frame structure and having flexible end and side walls, said shed-like structure being open at its bottom, a material containing hopper supported on the frame and having a discharge passageway extending therefrom and into the shed-like structure adjacent the forward end thereof, and a suction line extending from the shed-like structure adjacent the rear end thereof, and a suction blower device interposed between the suction line and the passageway adapted to suck buoyant particles from within the shed-like structure and to deposit the same in the said passageway from the hopper.

2,244,988
BOX HANDLING TOOL
Roy J. Fuller, Pottsville, Pa.
Application July 1, 1940, Serial No. 343,471
1 Claim. (Cl. 294—15)



A tool of the character described comprising a tubular member, said member having a handle formed on one end thereof and a longitudinal slot extending throughout the major portion of its length, a hook attached to and extending downwardly from the other end of said member, a rod slidably mounted in said member, a pin carried by the inner end of said rod and movable in said slot, and a transverse member carried by the outer end of said rod.

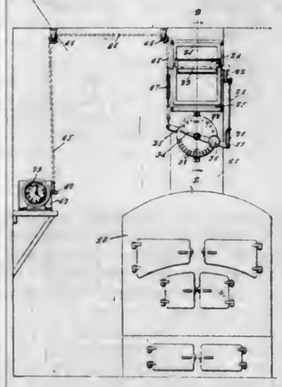
2,244,989
SPINNING FRAME DRUM SPREADER
Saint Julian Geddings, West Columbia, S. C.
Application January 8, 1941, Serial No. 373,684
16 Claims. (Cl. 254—29)



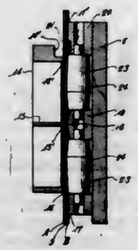
16. A device for spreading the spaced ends of drums of a spinning frame, twister frame or like textile frame, said device comprising a body portion to be arranged upon the exterior of one drum, means secured to the body portion and extending into the space between the ends of the drums and engaging the end of the drum which carries the body portion and serving to prevent relative movement between the body portion and the drum carrying it during the spreading operation, spreading means mounted upon the body portion and extending into the space between the ends of the drums for engaging the drum remote from the body portion, and means to operate the spreading means to effect a relative spreading action between the drums.

2,244,990
AUTOMATIC DRAFT REGULATOR
John F. Gildea, Coaldale, Pa.
Application October 25, 1938, Serial No. 236,957
1 Claim. (Cl. 236—93)

In a draft regulator the combination with a flue, of an endwise slidable shaft extending transversely of the flue and projecting at both ends exteriorly of the flue, a damper on the shaft having bearings slidably receiving the shaft, said damper having a central portion cut away on opposite sides of the shaft, a bi-metal thermostat spring coil in said cutaway portion of the damper connected at one end to the shaft and slidably overlapping the damper at the other end, a stationary dial exposed exteriorly of the flue, a lever fixed to one projecting end of the shaft and movable over the dial, a projection on the lever, notches on the dial interchangeably receiving the projection, a helical spring on the other projecting end of the shaft bearing against the flue and yieldably holding the projection in one of said notches, said shaft being adapted to be pulled endwise by the lever against the tension of said helical spring to disengage said projection from one of the notches and engage the projection another notch to adjust the damper to a pre-determined open position, a bushing fixed to the damper and rotatably mounted in the flue, said bushing loosely mounting the projecting end of said shaft adjacent to said lever, a second lever fixed to the bushing, and a time controlled means connected to the last-named lever for moving the damper independently of the thermostat coil.

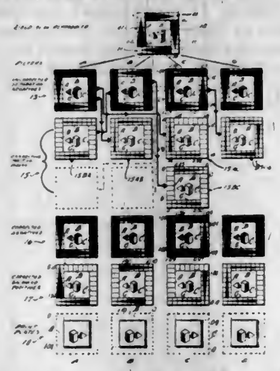


2,244,991
MULTIPLE IMAGE FILM GATE FOR MULTIPACK FILMS
Otto C. Gilmore, Van Nuys, Calif., assignor to Cosmocolor Corporation, New York, N. Y., a corporation of Delaware
Application May 8, 1939, Serial No. 272,483
2 Claims. (Cl. 88—16.4)



1. A motion picture camera film gate for use with multi-pack film, comprising a front aperture frame provided with a pair of apertures aligned transversely of the direction of film travel, said apertures being separated by a septum, and film contacting runners extending from said frame adjacent the sides of each of said apertures and from said septum, in combination with a pressure plate provided with a plurality of film contacting runners extending therefrom to cooperate with the runners on said frame, and two sets of film contacting rollers, each set of rollers being located between two of said film contacting runners to correspond with each aperture in said frame, each set of rollers including a roller which is beveled outwardly from each end to form a protruding ridge about its circumference to insure contact between the films of the multi-pack, the ridged rollers being aligned upon an axis lying transversely of the direction of film travel and located centrally of the exposure apertures, the film contacting ridges of said rollers being axially spaced so that each ridge is aligned centrally of each exposure aperture.

2,244,992
COLOR RESPONSIVE CORRECTION METHOD FOR POLYCHROMATIC REPRODUCTION
Salvador Garcia Guerrero, Mexico City, Mexico
Application November 8, 1938, Serial No. 239,547
1 Claim. (Cl. 95—2)



In a process of color reproduction, preparation of a master stepped density strip, measuring density difference between end steps thereof, preparing therefrom printing plates by identical and standardized methods, inking up and printing from said plates upon a support medium such as will be used in the final reproduction, forming a tint step strip in each of the ink pigments to be used as components constituting control strips, placing said control strips at the edges of the field to be reproduced, photographing said field and control strips successively with sensitivity complementary to each of the several component ink pigments, resulting in initial separation records, measuring the density difference in the control strips between corresponding end steps as reproduced in the several records, preparing a corrective mask for any initial separation record should any reproduced strip therein have a density-difference, except that which is complementary to the sensitivity used in making the initial separation record, said mask being photographically printed from and being of opposite sense of tonal gradation to, that initial separation record made with sensitivity complementary to the original pigment strip which has a density difference requiring masking in the initial separation record to be masked, said mask being developed to a con-

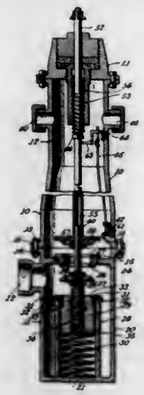
trast equal to the ratio: density difference in said strip in the initial separation record to be masked / density difference in corresponding strip in the negative from which mask is printed, securing said mask in registry with the initial separation record for which designed, to form corrected initial separation records, photographically printing corrected secondary separation records therefrom, being developed to a contrast, equal to the ratio: density difference in original master stepped density strip / density difference in corrected initial separation record reproduction of step strip complementary to the sensitivity used in making the initial separaton record, preparing printing plates from these corrected secondary records by the identical standardized methods used in preparing the plates for the original tint step control strips, adjusting exposures so that the end steps of the reproduced tint strips are of value equal to that of their original printing plates, inking up each plate in that original ink whose pigment is complementary to the sensitivity used in making the initial separation record, and printing said plates successively in superposition upon a support medum such as was used in printing the control strips.

2,244,993

DOUBLE GATED SAFETY FIRE HYDRANT

Elige J. Hollifield, Jr., Shreveport, La., assignor of one-tenth to Mike Hoehler, Shreveport, La.

Application October 25, 1939, Serial No. 301,286
2 Claims. (Cl. 137—13)



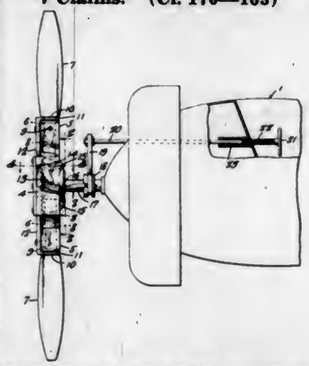
1. A hydrant comprising a casing within which are two chambers communicating through an opening formed in a common wall, the edges of the opening presenting valve seats; means for controlling fluid flow between the chambers comprising simultaneously oppositely moving first and second valves seating at opposite ends of the opening; mounting means for one of said valves comprising a threaded spindle carrying the valve, a block having a tapped opening wherein the spindle is received; and supporting means for holding said block in a manner permitting limited yielding in the direction of valve motion, said supporting means comprising a sleeve wherein the block is freely slidably received, stops on the block engaging with slotted parts of the sleeve whereby sliding of the block with respect to the sleeve is limited between extreme positions, and means for pressing the block into one of its extreme positions.

2,244,994

VARIABLE PITCH PROPELLER

Orson J. Humphrey, deceased, late of Elyria, Ohio, by Mary E. Humphrey, administratrix, Elyria, Ohio

Application July 26, 1939, Serial No. 286,700
7 Claims. (Cl. 170—163)



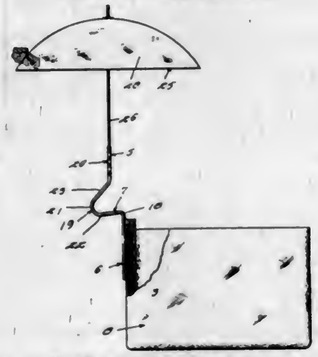
1. A variable pitch propeller comprising a hub including a box-like portion provided with radially arranged sleeve-like extensions, propeller blades having shanks rotatably and slidably received by said extensions, said shanks having spiral grooves, pins secured to the extensions and extending into the grooves to vary the pitch of the blades by the movement of the shafts inwardly and outwardly relative to said extensions and with rotary movement in opposite directions, rack bars slidably secured to the extensions and rotatably engaging the shafts and extending into the box-like portion, segmental-shaped racks meshing with the rack bars and pivotally mounted in the box-like portion, a member slidably mounted on the propeller shaft and operatively connected to move said racks, and manual means for slidably actuating the said member.

2,244,995

UMBRELLA HOLDER

Fred Klaassen, Hutchinson, Kans.

Application November 20, 1939, Serial No. 305,392
1 Claim. (Cl. 224—5.1)



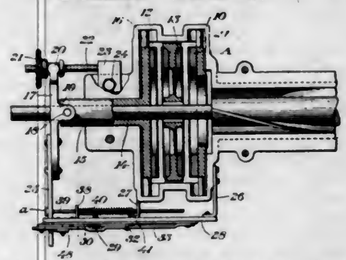
In an umbrella holder for letter carriers, an upstanding attachment element formed of a head piece and a series of arms extending downwardly from said head piece and disposed in spaced relation to one another and forming in connection with said head piece a pair of inverted yokes disposed at right angles to each other, each arm of one yoke being disposed in parallel spaced relation to and correlated with an arm of the other yoke to provide a coupler, said couplers being selectable for straddling and seating on a selected part of the top edge of the body of a mail bag to thereby dispose one such coupler with one arm thereof exteriorly and its other arm interiorly of said body and to dispose the other coupler within the bag body against the inner face of the latter to bind said element against said bag body, and a tubular upstanding umbrella supporting element of rod-like form having vertically disposed upper and lower terminal portions and an intermediate portion substantially of yoke-like form having a lower outwardly directed horizontal part merging at its inner end into the upper end of the lower terminal portion and an upper inwardly directed part merging into the lower end of the upper terminal portion, the said lower end terminal portion of said supporting element being connected to and forming an upward continuation of one of said arms of said series of arms.

2,244,996

AUTOMATIC RELEASE FOR FEED GRINDERS

John D. Laird, Joseph, Oreg.

Application October 24, 1939, Serial No. 301,022
4 Claims. (Cl. 83—8)



1. In a grinding mill of the kind described, the combination of rotatable and non-rotatable grinders, the non-rotatable grinders being disposed at opposite sides of the rotatable grinders and one being movable toward and away from the said rotatable grinder, a sleeve extended outwardly from said movable non-rotatable grinder, a rest pivoted to the sleeve and extended transversely thereof, means acting upon the said rest to vary the crosswise position thereof with respect to the said sleeve, an extension on said rest, a stationary guide bar next to said extension, a slide fitted on said guide bar and having a tripping latch for releasable engagement with the said extension, means yieldably acting upon the slide and the extension for holding the same together, and means manually set and carried by the slide for operating the latch to engage and latch the extension.

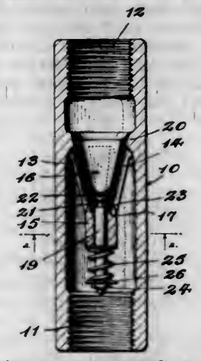
2,244,997

VALVE CONSTRUCTION

Walter W. Lepper, Fort Wayne, Ind., assignor of one-third to Vernon L. Tannehill and one-third to Starley M. White, both of Fort Wayne, Ind.

Application August 11, 1939, Serial No. 289,658
1 Claim. (Cl. 251—144)

In combination, a valve cage having means for connection in a pipe line, a plurality of circumferentially spaced elongated arms upon the interior of the cage sloping in the direction of the longitudinal axis of the cage and terminating in a seat axially of the cage, an elongated conical valve complemental to the seat, said seat having an axial bore and an extension, the valve having a stem slidably mounted in the bore, means on the stem for holding the valve within the bore, a helical spring on the stem interposed between the holding means and the extension of the seat, and



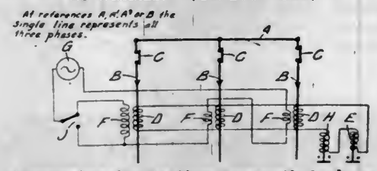
said valve having an open end and elastic flexible walls movable axially toward the open end thereof under action of pressure in the direction of the stem, whereby to permit a straight flow of liquid between said arms and through the cage.

2,244,998

ELECTRIC PROTECTIVE ARRANGEMENT

Henry Leyburn, Newcastle-upon-Tyne, England, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England, a company of Great Britain

Application October 1, 1937, Serial No. 166,884
In Great Britain October 13, 1936
10 Claims. (Cl. 177—311)



1. Apparatus for testing an earth leakage protective arrangement of a protected section comprising current transformer means on each line emanating from the protected section, residual current connections connecting the secondaries of the said transformers in parallel to carry current in the event of an earth fault, a tripping relay operated by lack of balance of such residual currents, indicating means responsive to lack of balance of such currents of a value insufficient to operate the tripping relay, means for producing testing currents in the current transformer means of such magnitude and direction as to balance out so that normally no current flows through the indication means, but to operate the said indicating means but not the tripping relay in the event of a fault in the current transformer means or the residual current connections even in the absence of any earth fault current.

2,244,999

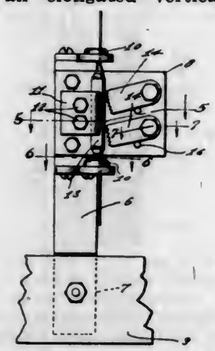
SLUG CATCHER

James F. Malcolm and Charles Winter, Hanover, Pa., assignors to Revonah Spinning Mills, Hanover, Pa.

Application July 31, 1940, Serial No. 348,958
1 Claim. (Cl. 28—64)

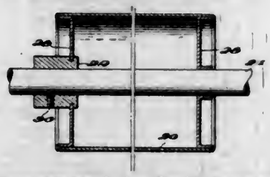
In a device of the character described, a ver-

tically arranged flat supporting plate, a mounting for said plate, split type eyes secured on said mounting above and below said plate and arranged in vertical alignment to guide yarn vertically relative to one of the vertical faces of said plate, superimposed gravity actuated dogs pivoted on said last mentioned vertical face of the plate, stops on said plate to limit the downward pivotal movement of the dogs and normally supporting said dogs on an inclined plane, a clamp member detachably secured to said plate, and an elongated vertically arranged



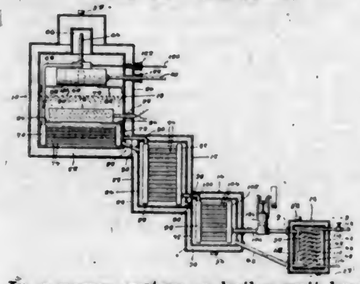
guide member adjustably secured on the plate between the eyes by said clamp member and adjustable on the plate laterally of the eyes and towards and from the free ends of the dogs, said guide member being of rectangular shape in cross section providing a plurality of flat faces any one of which may be disposed opposite the free ends of the dogs and over which the thread passes between said eyes and relative to the free ends of the dogs, any one of said faces of said elongated guide member being capable of resting against the plate under the influence of said clamp member.

2,245,000
INSPECTING AND TRIMMING TABLE
George W. Martin, Kalaheo, Territory of Hawaii, assignor to Kauai Pineapple Company, Ltd., Kalaheo, Territory of Hawaii, a corporation of Hawaii
Application June 5, 1939, Serial No. 277,558
4 Claims. (Cl. 146—214)



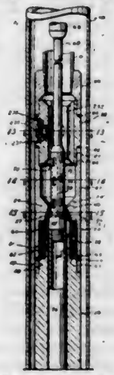
1. The improvement in fruit inspecting and trimming tables of the type having an endless conveyer, the upper reach of which is adapted to advance the fruit, said improvement including a pair of laterally spaced rollers arranged alongside of the upper reach of the conveyer, said rollers jointly constituting a support onto which fruit may be transferred from the conveyer for inspection and trimming, means for rotating at least one of said rollers so as to revolve the fruit in engagement therwith and thus enable the fruit to be inspected and trimmed, and downwardly converging walls defining a trough beneath said rollers and conveyer to receive trimmings from the fruit, said walls being arranged so as to direct said trimmings into the path of movement of the lower reach of the conveyer whereby the trimmings are conveyed along said trough.

2,245,001
POWER SYSTEM
Denver W. Miller, Modoc Point, Oreg.
Application February 21, 1939, Serial No. 257,750
2 Claims. (Cl. 60—1)



1. In a power system, a boiler unit having an engine located in the steam space of the boiler, a heat exchanger in said boiler near its bottom normally submerged in the water in the boiler, electric heating means for the water located above said heat exchanger and normally submerged in the water in the boiler, a plurality of heat exchangers operatively connected with said first heat exchanger, a condenser connected with one of said plurality of heat exchangers, means for directing exhaust steam from the engine into said first heat exchanger for subsequent passage through all the heat exchangers, and means for moving condensate from the condenser back to the boiler in heat transfer relation with steam and condensate moving through the heat exchangers, with the condensate returned to the boiler entering therein at its bottom and adjacent said first heat exchanger.

2,245,002
MEANS FOR CONTROLLING THE FLOW OF FLUIDS
Jeddy D. Nixon, Houston, Tex., assignor of one-half to Wilson Supply Company, Houston, Tex., a corporation of Texas
Application November 16, 1939, Serial No. 304,684
28 Claims. (Cl. 103—231)

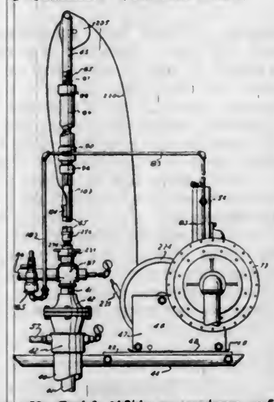


1. A system of flowing well fluid in a well which consists in, a well tubing for providing a column of well fluid, a source of pressure fluid extraneous to the well tubing, means connected

to said well tubing for introducing pressure fluid from said source onto the upper surface of said column of well fluid for forcing said column downwardly, and means in said tubing controlled from the well surface for actuating said introducing means and for receiving and conducting the flowing column of well fluid upward into said tubing beyond said introduction means, whereby said well fluid may be lifted by the pressure fluid from a point in said tubing below said pressure fluid introduction means.

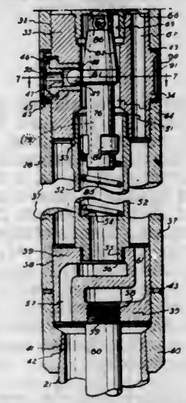
14. In a well fluid flow control device adapted to be mounted in a well having the usual well casing and well tubing suspended in said casing including, a flow valve disposed in said casing and connected to said tubing, packing means connected in said well tubing below said valve for packing off the space between said well tubing and said well casing to shut off the well therebelow, a well fluid collecting chamber in said casing below said packer and connected to said tubing and said flow valve, a standing valve mounted in the lower end of said chamber to provide a well fluid inlet of said chamber, a pressure fluid passageway extending from said well casing through said flow valve to the upper end of said chamber, a fluid flow conduit extending from the lower portion of said chamber through the valve and delivering said fluid to said tubing, said flow valve having an actuating portion exposed in the well tubing bore, and valve operating means movable in said tubing for engaging and operating said valve portion.

2,245,003
MEANS FOR LIFTING FLUIDS FROM WELLS
Jeddy D. Nixon, Houston, Tex., assignor of one-half to Wilson Supply Company, Houston, Tex., a corporation of Texas
Application February 3, 1940, Serial No. 317,073
3 Claims. (Cl. 103—232)



1. In a well fluid lifting system of the type described wherein the usual well casing serves as lifting fluid supply and a single string of tubing serves as a well fluid conductor and a valve mounted in the tubing for controlling the admission of lifting fluid into said tubing to lift the well fluid therethrough and an operating member for said valve suspended in said tubing by a wire line which extends up out of said tubing, the combination of, a transportable supporting base having runners to facilitate the handling and supporting of said base, an upright support removably mounted upon said base forming a derrick for the well fluid lifting system, a sheave block mounted at the upper portion of said support for the wire line to extend thereover for ready ingress into or egress from said tubing, a suitably driven hoist mounted on said base near said support for spooling the wire line thereon and controlling the movement thereof to locate and position the operating member with respect to the fluid admitting valve, an actuating cylinder suspended in the support and having fluid pressure operated means therein for connecting to said wire line to control the movement of the operating member after the same has been positioned in the tubing, and a timing mechanism mounted on the base for controlling the supply of pressure fluid to the actuating cylinder to control the movement of the operating member in the tubing, said wire line and operating member being withdrawable from the well and said base and support being readily movable away from the well to provide working space around the well when it is necessary to work on the well.

2,245,004
WELL FLUID CONTROLLING DEVICE
Jeddy D. Nixon, Houston, Tex., assignor of one-half to Wilson Supply Company, Houston, Tex., a corporation of Texas
Application March 4, 1940, Serial No. 322,065
21 Claims. (Cl. 103—234)



1. A valve for a well fluid lifting apparatus having a well tubing in a well casing including, an upright enclosure adapted to be connected in the tubing and having a passage therethrough and a fluid outlet, a valve seat below said outlet opening from the passage at the upper end thereof, an inlet valve in the enclosure below said seat communicating with said passage for admitting fluid from the casing into the tubing, and spring actuated means having a valve member engaging said seat for controlling the flow of fluid through said outlet and said means also engaging said inlet valve to hold it open.

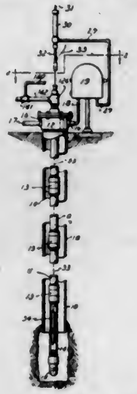
4. In a well fluid lifting system the combination of, an eduction pipe, a packer disposed around said pipe, a well liquid discharge pipe communicating with the eduction pipe having its inlet a substantial distance below the packer to receive a column of well liquids, flow means having a lifting fluid inlet disposed above said packer and a conductor for conveying the admitted fluid below said packer for displacing the well liquids downwardly around said discharge pipe to its inlet, whereby the well liquids are expelled through the discharge pipe into the eduction pipe through which it is lifted to the well surface, means having a connection with the lifting fluid inlet for holding said inlet open, and surface operated means for disengaging the holding means from said lifting fluid inlet to permit the pressure lifting fluid to close said inlet.

2,245,005

MEANS FOR CONTROLLING THE FLOW OF FLUIDS UNDER PRESSURE

Jeddy D. Nixon, Houston, Tex., assignor of one-half to Wilson Supply Company, Houston, Tex., a corporation of Texas

Application May 24, 1940, Serial No. 337,048
20 Claims. (Cl. 103—232)



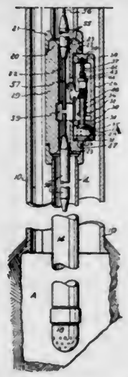
1. A device for controlling the supply of pressure fluid including, a pressure fluid admitting and by-passing valve, a by-pass conductor extending from said valve, a pressure fluid conductor extending from said valve, a time controlled valve connected in said by-pass conductor, a feed valve connected in said pressure fluid conductor and having actuating means connected with said by-pass conductor beyond the valve therein, and a release valve connected with said pressure fluid conductor beyond said feed valve and connecting said pressure fluid conductor with a vent to the atmosphere, said release valve having operating means connected with said by-pass conductor beyond the valve therein.

2,245,006

SYSTEM AND APPARATUS FOR FLOWING WELLS

Jeddy D. Nixon, Houston, Tex., assignor of one-half to Wilson Supply Company, Houston, Tex., a corporation of Texas

Application November 9, 1940, Serial No. 365,024
32 Claims. (Cl. 103—232)



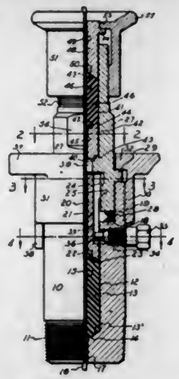
1. The system of flowing wells which includes, a casing provided with a supply of lifting fluid, a single string of tubing, a lifting fluid inlet valve mounted in the tubing for admitting lifting fluid from the casing to the tubing, and means controllable from the top of the well for locking said valve, said means being adapted to unlocking said valve, said valve having elements responsive to pressure differentials between the well fluid and the lifting fluid and operable when the valve is unlocked.

2,245,007

STUFFING BOX

Jeddy D. Nixon, Houston, Tex., assignor of one-half to Wilson Supply Company, Houston, Tex., a corporation of Texas

Application December 14, 1940, Serial No. 370,100
3 Claims. (Cl. 286—34)



1. A duplex stuffing box including, a lower stuffing box having a packing element therein, a packing gland in said box resting on said packing, an upper stuffing box having a packing element therein, means for distorting the upper packing element, means for securing the boxes together to prevent the rotation of the upper box except when the securing means is loosened, stop means for preventing the securing means from being loosened to such an extent as to allow the boxes to be separated, and a connection between the upper box and the said gland, whereby rotation of the upper box causes said packing gland in the lower box to distort the lower packing element, said stop means also serving to prevent relative rotation between the lower gland and said lower box.

2,245,008

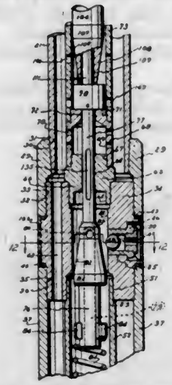
WELL FLUID FLOW CONTROLLING DEVICE

Jeddy D. Nixon, Houston, Tex., assignor of one-half to Wilson Supply Company, Houston, Tex., a corporation of Texas

Application December 30, 1940, Serial No. 372,238
13 Claims. (Cl. 103—231)

1. In a well liquid flowing apparatus, the combination with a lifting fluid supply in a well liquid supply, of a valve normally open to admit lifting fluid to said supply and having means for conducting it to said supply of well liquid for displacing said well liquid, means for conducting the displaced well liquid from said supply to the surface of the well, means operable from the surface of the well for actuating said valve to said normal open position or to move to permit said valve to shut off the admission of lifting

fluid, surface operated means for actuating said surface operable means, and means for releas-



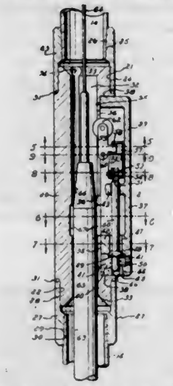
ably connecting said surface operated means to said surface operable means.

2,245,009

FLOW VALVE

Jeddy D. Nixon, Houston, Tex., assignor of one-half to Wilson Supply Company, Houston, Tex., a corporation of Texas

Application February 6, 1941, Serial No. 377,603
24 Claims. (Cl. 103—233)



1. As a new article of manufacture, an inlet valve for a well fluid lifting system which includes, a body having a bore, a casing having a fluid inlet and a fluid outlet removably mounted on the outer surface of said body, a valve seat in the casing between said inlet and outlet, said outlet communicating with the bore of said body, a valve member engaging said seat, said valve member normally seating against flow from said casing into said tubing, a valve operating element mounted on the casing and projecting therefrom into said body, and means for maintaining the valve member in its closed or seat engaging position except when the valve operating element is actuated to disengage said valve member from said seat.

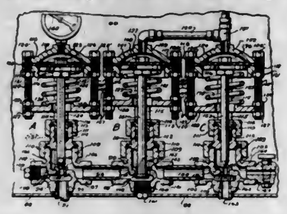
2,245,010

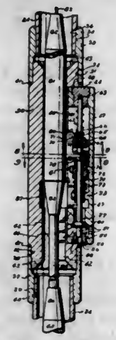
SYSTEM AND APPARATUS FOR FLOWING WELLS

Jeddy D. Nixon, Houston, Tex., assignor of one-half to Wilson Supply Company, Houston, Tex., a corporation of Texas

Application March 10, 1941, Serial No. 382,489
25 Claims. (Cl. 103—232)

1. In a well flowing apparatus wherein a well casing is provided with a supply of lifting fluid and a well tubing string is mounted therein, the combination of, a lifting fluid inlet valve mounted in the tubing for admitting well and lifting fluid from the casing to the tubing to flow well fluid through said tubing, means controlled from the surface of the well for locking said valve against operation or unlocking said valve where it may be operated, said valve having elements responsive to pressure differentials between the well fluid in the tubing string and the lifting fluid in the casing and operable when said valve is unlocked, actuating means on the surface of the well for actuating said surface operated means, a flow conduit extending to said actuating means for





supplying a pressure fluid thereto to operate said actuating means, surface control means connected to said flow conduit for controlling the flow of a pressure fluid through said conduit to control the operation of said actuating means, valve means in said surface control means for controlling the flow of an actuating fluid through said flow conduit and said surface control means to said actuating means, and valve means in said surface control means connected to the flow conduit beyond the first valve means for venting said flow conduit when said first valve means has terminated the flow of fluid through said conduit, and means whereby both of said valves are operated by the pressure of the flowing fluid in said tubing.

2,245,011

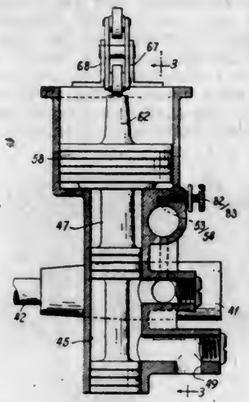
CONTROL APPARATUS FOR HYDRAULIC SYSTEMS

John Hughes Rice, Port Eynon, near Swansea, England, assignor to Rimer Manufacturing Co. Ltd.

Application August 29, 1939, Serial No. 292,513
In Great Britain September 2, 1938
8 Claims. (Cl. 121—157)

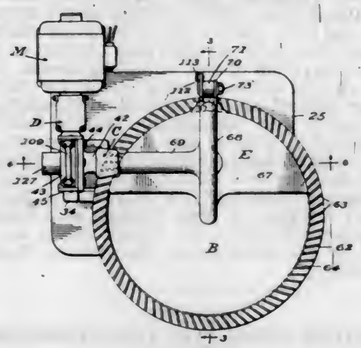
1. A fluid pressure actuated device comprising two parallel cylinders each having a pressure medium supply port, placing said cylinder in constant communication with a supply of pressure medium, and an exhaust opening, a separate piston valve slidably mounted in each cylinder, each cylinder having a port controlled by the piston valve in said cylinder for placing said

last-recited port in communication with the medium supply port or with the exhaust opening, an actuating cylinder and piston associated with each piston valve for actuating the latter, each actuating cylinder having an inlet and discharge port, and a pilot valve for controlling the ports



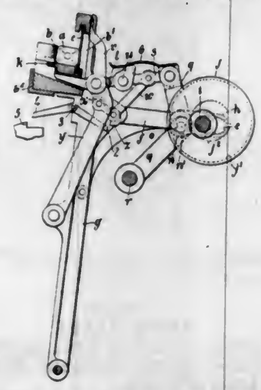
of the actuating cylinders to alternately connect said ports with the pressure medium supply and to exhaust, whereby the piston valves will be alternately displaced to cause fluid to flow from the pressure medium supply port to the valve controlled port and from the valve controlled port to the exhaust opening.

2,245,012
MEAT AND VEGETABLE CHOPPER AND MIXER
Henry Robinson, Lindenhurst, N. Y.
Application May 13, 1939, Serial No. 273,536
38 Claims. (Cl. 146—67)



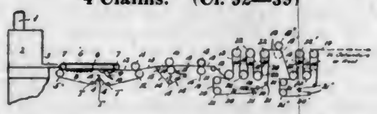
1. Apparatus of the class described having a removable bowl, a cutter head pivotally mounted to enable raising and lowering with respect to the bowl, a cutter operating shaft on the cutter head, latching means to secure the cutter head in lowered position, a guard associated with the cutter head movable to and from closed position to enable swinging of the cutter head to provide clearance for removal of the bowl, means movable to raise the guard, and positive means for preventing rotation of the cutter operating shaft as a condition precedent to initiation of raising movement of the guard.

2,245,013
LOOM FOR WEAVING
Oliver Shimwell and Derrick Walter Shimwell, Shiplake-on-Thames, England, assignors of one-third to Colin Cooper, Birkdale, Southport, England
Application January 29, 1940, Serial No. 316,224
In Great Britain January 2, 1939
8 Claims. (Cl. 139—190)



1. A loom for weaving of the type specified, comprising means to move the shuttle boxes and means to move the slay, the said means being arranged and interconnected to move said shuttle boxes and slay in such manner that when the slay is moving backwards from the beat-up position, the reed goes past the line of the shuttle box backs and becomes positioned slightly to the rear of such line and when the slay and reed are moving forwards towards the position at which the shuttle leaves the reed space to enter a shuttle box, the reed goes past the line of the shuttle box backs until the reed becomes positioned slightly in advance of such line.

2,245,014
STRETCHABLE PAPER
John C. Sherman, Attleboro, Mass., assignor to American Reenforced Paper Company, Attleboro, Mass., a corporation of Massachusetts
Application August 29, 1936, Serial No. 98,511
4 Claims. (Cl. 92—39)

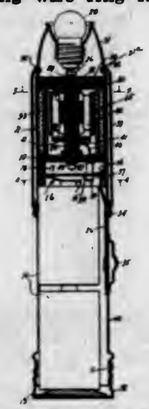


1. The method of forming stretchable paper, which consists in fluting a wet paper forming pulp in continuous parallel zones alternating with unfluted parallel zones which separate the fluted parallel zones and then subjecting the fluted parallel zones to pressure while still wet to cause the fluted zones to revert essentially to their initial flat condition.

2,245,015
COMBINED FLASHLIGHT AND FAN
Ludvik Sibal, Long Island City, N. Y.
Application December 2, 1939, Serial No. 307,252
5 Claims. (Cl. 230—249.5)

1. In a device of the nature described, a casing, an electric motor rotatably mounted therein, a shell hub carried by the motor and rotatable

therewith, the said hub having a pair of cutouts therein, a spring wire ring frictionally carried

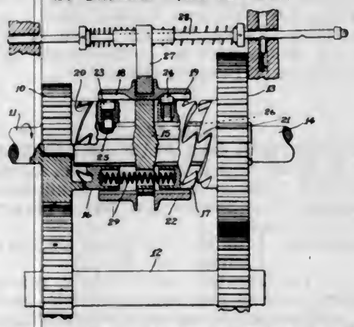


by the said hub, and a pair of fan blades swingably mounted on the said ring at the hub cutouts.

2,245,016
TREATMENT OF SOLVENT REFINED OILS WITH ADSORBENTS
Thomas P. Simpson, John W. Payne, and Peter D. Valas, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application May 25, 1939, Serial No. 275,673
12 Claims. (Cl. 196—147)

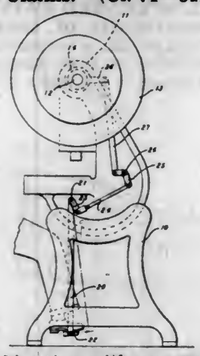
1. In a method of refining solvent refined petroleum oils with porous adsorptive materials the improvement which comprises refining said solvent refined oils with a finely divided porous adsorptive material carrying an outer layer deposit of activated carbon produced from petroleum carbonaceous matter.

2,245,017
VARIABLE-SPEED POWER-TRANSMISSION GEARING
Harold Sinclair, Kensington, London, England
Application October 20, 1937, Serial No. 169,973
In Great Britain November 4, 1936
20 Claims. (Cl. 74—337)



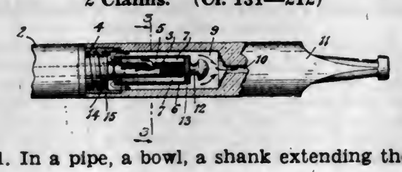
1. Change-speed gearing having a driving shaft, a driven shaft, and at least two power-transmission paths of different ratios respectively, which alternately serve to connect said shafts together, wherein the lower-speed ratio path comprises a unidirectional coupling which is so set that its elements are at all times incapable of relative rotation in the sense permitting the ratio of the speeds of said driving and driven shafts to exceed said lower-speed ratio, and the higher-speed ratio path comprises a unidirectional coupling which is so set that its elements are at all times incapable of relative rotation in the sense permitting the ratio of the speeds of said driving and driven shafts to be lower than said higher-speed ratio, the said two couplings being capable of disengaging automatically on reversal of torque therethrough, and said higher-speed coupling being associated with locking means which, during the establishing of the drive through said higher-speed path, are incapable of being engaged to lock this coupling before the ratio of the speeds of said shafts has become equal to the higher-speed ratio and which are adapted to lock this coupling so as to render it capable of transmitting driving torque, and a control member operable for actuating said locking means.

2,245,018
APPARATUS ACTUATING MEANS
Frank C. Spencer, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 28, 1938, Serial No. 232,122
2 Claims. (Cl. 74—512)



1. The combination with an apparatus including power means connected to and disconnected from the apparatus by an actuatable unit, of a pivot, a swingable lever normally hanging vertically from the pivot whereby to be inoperable by weight but operable by swinging movement out of the vertical position, a foot rest mounted on the lower end of the lever, means to guard the lever and foot rest against accidental operation, and means operatively connecting the lever to the said unit to cause actuation of the unit upon movement of the lever.

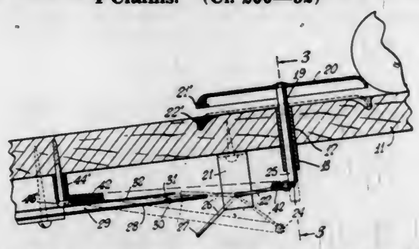
2,245,019
PIPE
Robert L. Stern, Brooklyn, N. Y., assignor to L. & H. Stern, Inc., Brooklyn, N. Y., a corporation of New York.
Application February 16, 1940, Serial No. 319,229
2 Claims. (Cl. 131—212)



1. In a pipe, a bowl, a shank extending there-

from, a tube communicating at one end with the interior of the bowl and having its other end projecting from the end of the shank, said tube having an integrally formed threaded portion located at the end of the shank, a stem provided with an internally threaded part removably received on the threaded portion of the tube, the tube having a shoulder of less diameter than its threaded portion, said shoulder being located on the tube adjacent to the threaded portion, the tube having an outlet opening in its side wall at a position remote from the shoulder, a fluted sleeve surrounding the tube, said sleeve having one end in abutment with the shoulder but not closed by said shoulder, a threaded element received into the end of the tube adjacent to the outlet opening and closing said end, said threaded element having an annular flange portion abutting against an end of the fluted sleeve to thereby clamp said sleeve between it and the shoulder on the tube and to close both the end of the tube and the end of the sleeve remote from the shoulder, the flutings in said sleeve providing inner passages for the conveyance of smoke towards the bowl and outer passages for the conveyance of smoke toward the stem.

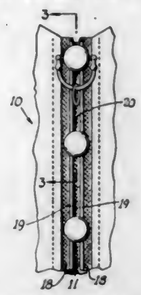
2,245,020
BALL OPERATED SWITCH
Harry Thompson, Chicago, Ill., assignor to Genco Company, Chicago, Ill., a corporation of Illinois
Application October 12, 1939. Serial No. 299,048
4 Claims. (Cl. 200—52)



1. A ball actuated switch device in which the switch comprises cooperating switch contacts normally disposed in spaced relation with respect to each other, a pivoted lever for closing said contacts, spring means adapted to pivot the lever on either side of its longitudinal axis, means operable by a rolling ball and cooperating with said spring means for pivoting the lever in one direction to close said switch contacts, and means cooperating with said spring means for pivoting the lever in an opposite direction to permit the switch contacts to move into normal position of spaced relation with respect to each other.

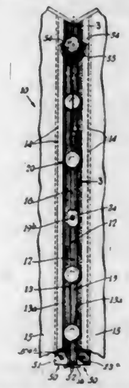
2,245,021
MEANS FOR AND METHOD OF MOUNTING STEMMED ARTICLES
Anthony W. Tripp and Jacob D. Stiriss, New York, N. Y., assignors to Slidette Corp., New York, N. Y.
Application February 8, 1940, Serial No. 317,839
4 Claims. (Cl. 24—207)

1. In combination, a member having a recess, the bottom wall of said recess being formed with a slot, and an ornament having a head and a stem, said stem having a round part extending from the head, and a flattened part extending from the round part, and passing through said opening, and said flattened part being twisted to attach said ornament to said member, the shoulders formed at the end of the round part



adjacent the flat part contacting the undersurface of the slotted wall, and said twisted part being disposed wholly within said recess.

2,245,022
SLIDE FASTENER
Anthony W. Tripp and Jacob D. Stiriss, New York, N. Y., assignors to Slidette, Corp., New York, N. Y.
Application February 8, 1940, Serial No. 317,841
20 Claims. (Cl. 24—207)

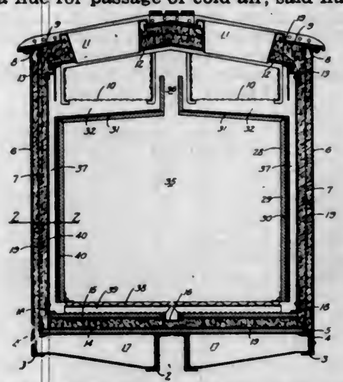


1. In a slide fastener, a flexible strip, and a plurality of spaced fastener elements fixed to each strip, each element having means to slidably engage said beading on a pair of parallel pieces of tape, and an ornamental member mounted on each fastener element.

2,245,023
REFRIGERATOR CAR FLUE ARRANGEMENT
Victor E. West, New Kensington, Pa., assignor to Standard Railway Equipment Manufacturing Company, New Kensington, Pa., a corporation of Pennsylvania
Application June 10, 1938, Serial No. 213,090
11 Claims. (Cl. 62—17)

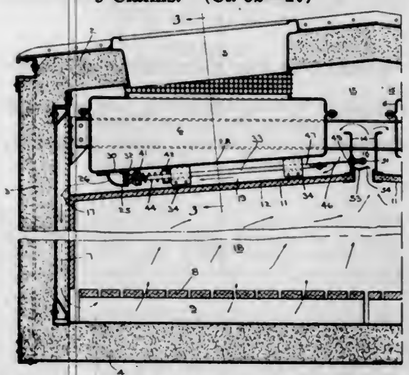
1. In a refrigerator car having a refrigerant chamber near the roof and adjacent one of the walls, a foraminous rack to support a lading upon the floor and provide a space therebetween, said wall comprising spaced apart vertical frame members, inner sheathing and metallic sheet both extending between and secured to said frame members, outer sheathing spaced from said metallic sheet and insulation between said metallic sheet and outer sheathing, a portion of said

sheet being spaced from said inner sheathing to form a flue for passage of cold air, said flue com-



municating at the top and bottom thereof with said chamber and said space respectively.

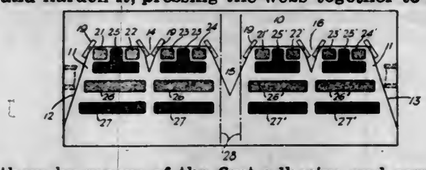
2,245,024
REFRIGERATOR CAR CONSTRUCTION
Victor E. West, Chicago, Ill., assignor, by mesne assignments, to Standard Railway Refrigerator Company, a corporation of Delaware
Application January 8, 1940, Serial No. 312,831
9 Claims. (Cl. 62—17)



1. In a refrigerator car having a flue associated with a vertical wall thereof, a refrigerant container below the roof and adjacent said wall, a drip pan spaced below said container to form a passage which conducts air to said flue and means forming a duct for upward flow of warm air adjacent said container, means for draining liquid from said container into said passage comprising a spout depending from said container, a plug adapted to move axially of said spout into engagement therewith and means within said duct to impart axial movement to said plug whereby said valve may be operated from said duct.

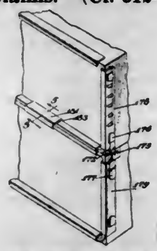
2,245,025
METHOD AND MEANS FOR RENEWING WEB ROLLS IN PRINTING MACHINES
William C. Wieking, Woodhaven, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application October 11, 1938, Serial No. 234,380
6 Claims. (Cl. 242—58)

6. The method of effecting a permanent web join between a new web and a running web, which consists in introducing between the webs and in one area, a first non-drying adhesive, and in another area, a second adhesive of the type requiring heat to make it tacky and then to cure and harden it, pressing the webs together to join



them by means of the first adhesive and causing the webs to overlie the area of the second adhesive, and then applying heat to the web splice to make the second adhesive effective to permanently join the webs.

2,245,026
INTERLOCKING FOR CONTAINERS
Philip Zalkind, New York, N. Y.
Original application October 16, 1933, Serial No. 693,841. Divided and this application February 2, 1939, Serial No. 254,178
11 Claims. (Cl. 312—111)

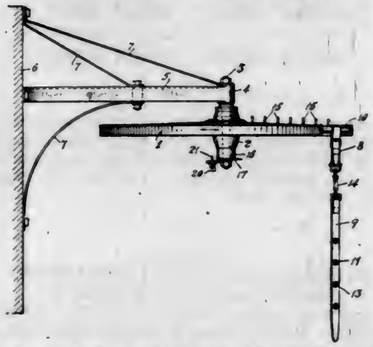


1. A stack of casings to be shipped in knocked-down condition each casing comprising side, top and bottom members; an open front end; reinforcing members for said open front end; separable members; means consisting of pockets formed on the outer side of the reinforcing members for securing said separable members to reinforcing members of adjacent casings for interlocking said casings, and lugs formed from and integral with said separable members whereby said separable members on horizontal adjacent casings are interlocked by the interengagement of said lugs.

2,245,027
EXERCISING DEVICE
Veronica Dengel, New York, N. Y., and Blanche Genet, East Orange, N. J., assignors to Dorothy Gray, Ltd., New York, N. Y., a corporation of Delaware
Application March 16, 1940, Serial No. 324,250
2 Claims. (Cl. 272—57)

1. An exercising device comprising a wheel having a rim, a hub and a plurality of spokes radiating outwardly from said hub to said rim, means rotatably supporting said wheel in horizontal position, and centrally thereof, above the floor and at a predetermined distance above the head of the user, said device being rigid in all directions excepting that it is rotatable about said supporting means, whereby said wheel may be rotated freely and continuously in the same direction about a fixed vertical axis and the user may stand beneath the hub of said wheel without coming into contact therewith, a grasping device provided on said wheel at a point spaced

from the axial center thereof, said grasping device comprising an elongated member depending from said wheel and having a length sufficient to enable a user standing beneath the hub of the wheel to grasp it with both hands, said grasping device being made of inelastic, flexible material to enable the user to firmly support himself



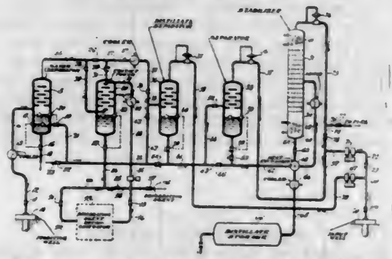
when leaning from the vertical and yet to move relative to said wheel during the latter's rotating movement, said elongated member of the grasping device being swivelly mounted to enable said member to remain fixed in the user's grasp without twisting or the danger of becoming foreshortened through knotting during the use of the device.

2,245,028

RECOVERY OF LIQUID HYDROCARBONS FROM MOISTURE-CONTAINING WELL FLUIDS

Riley Floyd Farris, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application June 2, 1939, Serial No. 276,950
7 Claims. (Cl. 62—122)



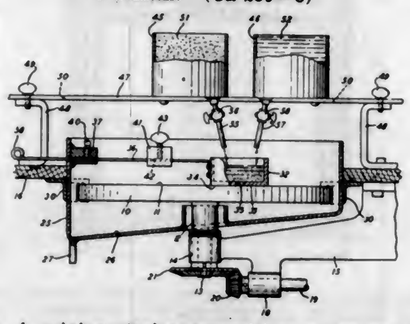
2. The method of recovering liquid hydrocarbons from a fluid produced by a well of the distillate type at a high well head pressure and containing substantial amounts of water which comprises substantially cooling said fluid to a temperature above the maximum temperature of hydrate formation of said fluid, whereby a major portion of the water in said fluid is condensed, introducing said cooled fluid into a separating zone, removing a stream consisting essentially of liquid water from said separating zone and from the system, separately removing a gas stream consisting essentially of hydrocarbons from said separating zone, contacting said separated gas stream at a pressure in excess of 1000 pounds per square inch with a liquid absorption medium less volatile than the liquid hydrocarbons to be recovered, and separating the enriched absorption medium from the residual gas.

2,245,029

MIXING DEVICE

Thomas G. Gilley, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application October 24, 1939, Serial No. 300,935
7 Claims. (Cl. 259—8)



1. A mixing device comprising a rotary element, a stationary cup for materials to be mixed apertured for the passage of the materials to the element, means to rotate the element to cause the materials from the cup to pass between the cup and the element, and a resilient member for varying the position of the cup relative to the axis of rotation of the element to vary the action of the cup and element on the materials.

2,245,030

TUBING CLAMP FOR INTRAVENOUS OPERATIONS

Benjamin Harvey Gottesfeld and Morris R. Gottesfeld, Denver, Colo.

Application July 19, 1940, Serial No. 346,340
3 Claims. (Cl. 251—5)



1. A clamping device for rubber tubing comprising: two elongated side plates; a fixed shaft extending between the said side plates and fixed to one extremity of each; a roller rotatably mounted on said fixed shaft; a movable shaft extending between said side plates through slotted openings therein; a nut threaded on one extremity of said latter shaft; a head formed on the other extremity thereof so that when said nut is rotated, said two side plates will be urged together; a second roller mounted on said latter shaft; and means for preventing the side plates from being drawn into contact with the said second roller.

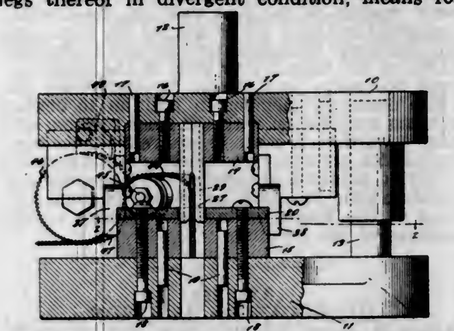
2,245,031

APPARATUS FOR MAKING SEPARABLE FASTENERS

Milton L. Gottlieb, New York, N. Y.

Application May 9, 1939, Serial No. 272,550
9 Claims. (Cl. 29—34)

1. In an apparatus for producing separable fastener elements of the hookless type, the combination of means for intermittently advancing a metal stock strip, means for producing a projection at the top of the fastener unit to be produced from the strip, and simultaneously producing a recess on the bottom thereof, means for blanking out a complete fastener unit with the legs thereof in divergent condition, means for



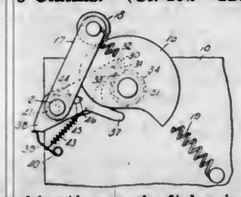
severing a completed unit from the stock strip, and means for compressing the legs of the unit about the corded edge of a fastener tape.

2,245,032

STOP MEANS FOR SHAFTS OF RECORDERS AND THE LIKE

George J. Grizey, Canton, Conn., assignor to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut

Application August 2, 1940, Serial No. 349,527
5 Claims. (Cl. 192—116.5)



1. In combination, a shaft having an operative rotary movement in one direction, means for stopping said shaft when it has been rotated through a predetermined angle and including a stop carried by the shaft and a pivoted stop member having a shoulder adapted to be moved into and out of the path of movement of said stop, and means for moving said stop member into inoperative position upon a slight reverse rotation of the shaft including a ratchet tooth carried by the shaft, a pivoted and bodily movable pawl having a tooth engageable with said ratchet tooth during such reverse rotation of the shaft, and an operative connection between said pawl and stop member.

2,245,033

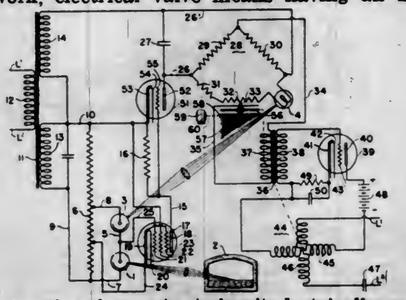
MEASURING APPARATUS

Thomas R. Harrison, Wyncote, Pa., assignors to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application September 4, 1937, Serial No. 162,474
22 Claims. (Cl. 88—23)

16. Measuring apparatus including the combination of an electrical device responsive to change in magnitude of a variable condition, a second electrical device, means for electrically energizing said second device so that its electrical energization is definitely related to the electrical energization of the first mentioned device, means responsive to the electrical energy used by the first mentioned means, said last mentioned means including a balanced electrical network con-

ductively connected to said first mentioned means and in which unbalanced electromotive forces are adapted to be produced in accordance with the sense and extent of the change of the energization of the said second mentioned device, a third device adapted to effect rebalance of said network, electrical valve means having an in-



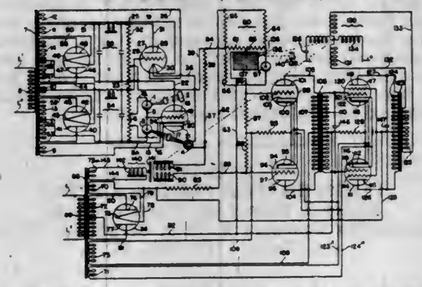
put circuit and an output circuit electrically controlled by the input circuit to control said third mentioned device, operative connections between the output circuit of said electrical valve means and said third mentioned device, and operative connections to directly control the input circuit of said electrical valve means by said unbalanced electromotive forces.

2,245,034

MEASURING APPARATUS

Thomas R. Harrison, Wyncote, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 29, 1937, Serial No. 145,637
15 Claims. (Cl. 88—23)



2. Photometric measuring apparatus comprising the combination with a potentiometric measuring circuit of a light sensitive device responsive to changes in a variable condition for producing a flow of unbalanced electric current in said potentiometric measuring circuit, a device adapted to reduce said unbalanced electric current, electrical valve means for continuously controlling the actuation of said device in accordance with the magnitude of said condition, and operative connections to directly control said electrical valve means by said unbalanced electric current.

2,245,035

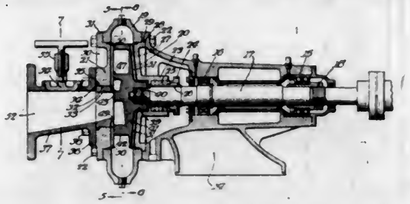
CENTRIFUGAL SLUDGE PUMP

Knute Hartman, Aurora, Ill., assignor to The American Well Works, Aurora, Ill., a corporation of Illinois

Application February 13, 1939, Serial No. 256,117
12 Claims. (Cl. 103—111)

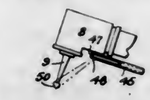
1. In a pump, an impeller including a shroud with a spiral blade thereon having a cutting

edge at its fore side and a casing enclosing the impeller including a suction cover having an opening eccentric to the impeller axis, one point of the opening approximately coinciding with the axis of the impeller to prevent material from straddling the axial end of the impeller; the



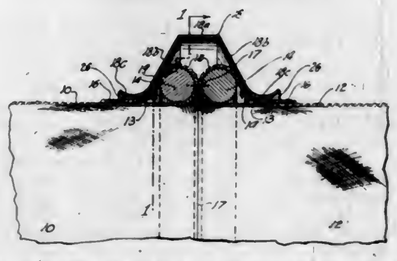
suction cover and opening forming a suction passage which is substantially unobstructed other than by the blade, and a substantial peripheral and generally arcuate portion of the opening forming a cutting edge cooperating with the cutting edge of the spiral blade.

2,245,036
SPRAY DEVICE FOR DENTAL INSTRUMENTS
Chester J. Henschel, New York, N. Y.
Application August 27, 1940, Serial No. 354,365
3 Claims. (Cl. 32—28)



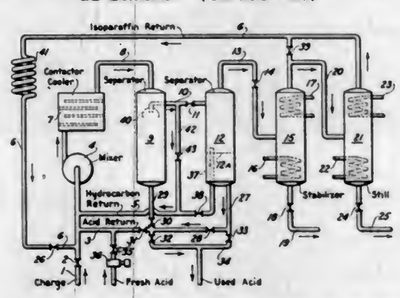
1. In an apparatus of the character described, a dental drill having a hand-piece, a flattened tube detachably secured to said hand-piece, said tube having a closed end and having a diagonally disposed spray opening in one of its side walls for directing a liquid stream against a drill held by the hand-piece, and a liquid supply means attached to the opposite end of the tube.

2,245,037
COUPLING FOR FLEXIBLE PIPES
Henry J. Hersey, Jr., Seattle, Wash.
Application February 2, 1938, Serial No. 188,246
1 Claim. (Cl. 285—71)



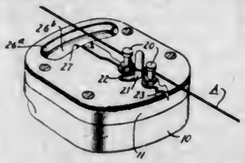
A connecting means for connecting ends of fabric or like flexible conduits, comprising rings about each of which the meeting ends of the flexible conduit sections to be connected are respectively folded, the folds being of a length to completely envelop the rings and overlie the fabric conduit beyond the rings, and a single split hollow clamping member of annular form to cooperate with the rings, the side walls of the clamping member flaring outwardly toward the axis of the member and embracing both rings at such points that the clamping force extends in a substantial axial direction of the conduits, the inner portion of the side walls of the member engaging the fabric folded around the rings, and the outwardly extended portions of the member clamping the lapped-over ends of the fabric beyond the rings, and means for tightening the single clamping member in position to compel wedging cooperation with the rings to force said rings toward each other to ensure intimate sealing relation between those meeting fabric portions overlying adjacent surfaces of the rings, while at the same time clamping the return bend end portions of the fabric against the relative remote surfaces of the conduits.

2,245,038
HYDROCARBON REACTION
Melvin M. Holm, San Francisco, and Eugene H. Oakley, El Cerrito, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application October 14, 1940, Serial No. 361,084
11 Claims. (Cl. 196—10)



7. In a process for the alkylation of isoparaffins with olefins by means of an acid alkylation catalyst, the improvement which comprises maintaining two zones of reaction in series, maintaining the concentration of isoparaffin to be alkylated at least about 50% by liquid volume of the hydrocarbon phase in said first zone and effecting therein a high degree of dispersion between relatively immiscible acid alkylation catalyst and hydrocarbon phases to produce a large surface of contact therebetween in order to expedite the alkylation of isoparaffins in the hydrocarbon phase with components in the acid catalyst phase, introducing the resulting mixture into said second zone in which said dispersed acid catalyst the hydrocarbon phases are subjected to a force tending to effect a separation therebetween due to the relative difference in densities between said two phases resulting in an increase of the volume ratio of acid catalyst to hydrocarbon in the mixture in said second zone in the direction of said force, maintaining a higher volume ratio of acid catalyst to hydrocarbon in said first zone than the average volume ratio of acid catalyst to hydrocarbon in said second zone, recycling a portion of the acid catalyst and hydrocarbon mixture from a location in said second zone where the ratio of acid catalyst to hydrocarbon is higher than the average in said second zone, withdrawing another portion of the reaction mixture from a location in said second zone where the acid catalyst to hydrocarbon ratio is lower than at said first-mentioned location, and passing said portion so withdrawn to a separating zone where acid catalyst is separated from hydrocarbons.

2,245,039
TENSION MEASURING DEVICE
Edgar D. Lilja, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application March 13, 1939, Serial No. 261,415
3 Claims. (Cl. 265—1.6)



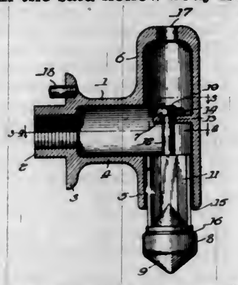
2. A device for measuring the tension in a traveling strand comprising, in combination, a stationary permanent magnet in the form of a loop with the ends disposed adjacent each other and providing pole faces facing laterally of the loop, a non-magnetic and electrically conductive inductor member pivotally mounted for movement generally parallel to the plane of the loop and edgewise through the path of flux threading the gap between said pole faces, whereby the movements of said inductor member are damped as a result of the eddy currents induced therein, an indicator arm swingable alongside said loop with said inductor member, means yieldably urging said indicator arm in one direction, and means including a projection on said inductor member engageable with a traveling strand to cause said arm to be deflected a distance proportional to the tension in the strand opposing said yieldable means.

2,245,040
MANUFACTURE OF VINYL RESINS
Barnard M. Marks, Upper Montclair, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 12, 1940, Serial No. 323,525
11 Claims. (Cl. 23—243)

1. In the manufacture of polyvinyl acetate in finely divided form where said polyvinyl acetate is prepared in finely divided form suspended in an aqueous vehicle, the steps comprising coating the particles thereof with a lubricating substance of fatty nature having a melting point above room temperature, before drying said particles, and, thereafter, drying said particles at an elevated temperature not exceeding the melting point of said lubricating substance.

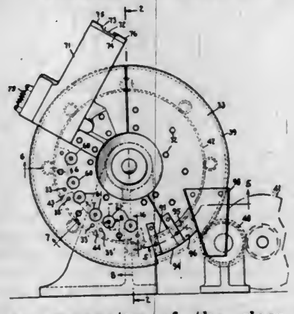
2,245,041
FAUCET
George R. McCurdy, Wilmette, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application April 6, 1939, Serial No. 266,267
6 Claims. (Cl. 299—9)

1. A combination faucet and drinking fountain fitting comprising a hollow body having a substantially vertical passage therethrough for discharging liquid from the top thereof for drinking purposes and from the bottom of the said passage for a faucet discharge therefrom, the said body portion having a side passage intermediate the end limits of the said vertical passage with a connection to a supply line and communicating with the said vertical passage, a manually operable closure member for the said faucet discharge, the said closure member being reciprocably movable in a direction parallel to the axis of the vertical passage and having a lower portion extending from the lower portion of the said hollow body for manual operation to control flow from said bottom outlet faucet discharge, guide means within the said hollow body having means



defining the lower limit of movement for the said closure member.

2,245,042
APPARATUS FOR FORMING RECEPTACLE SCREW CAPS
Augustus L. Merolle, Brooklyn, N. Y., assignor to Empire Metal Cap Co. Inc., Brooklyn, N. Y., a corporation of New York
Application February 15, 1936, Serial No. 64,034
4 Claims. (Cl. 153—72)

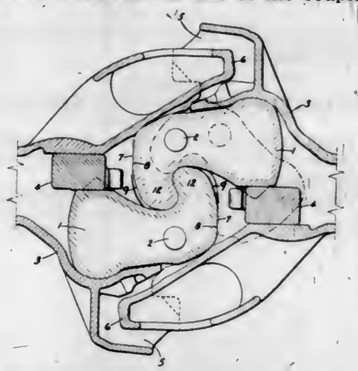


1. In an apparatus of the class described, means for forming screw caps, said means comprising rotatable mandrels having die members for shaping the skirts of the cap blanks, cooperative die members held stationary and located in relation to said mandrel die members and an adjusting device for regulating the distance between the faces of the rotary and the stationary die members, said adjusting device comprising a rotatable eccentric facing said stationary die members for moving of same and means for securely locking said eccentric after a regulation thereof.

2,245,043
CAR COUPLER
William J. Metzger, Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application November 16, 1938, Serial No. 240,679
5 Claims. (Cl. 213—151)

1. A car coupler having a pivotally mounted knuckle shaped to cooperate with the knuckle and coupler face of another coupler of similar shape in tight fitting engagement, with the inner surfaces of the knuckles interlocked with each other, and with the knuckle buffing faces engaging the opposing coupler buffing face, said first named knuckle having a rearwardly extending tail, said tail having a surface adapted to engage the buffing face of the knuckle of said opposing coupler upon pivotal movement of said first named knuckle during uncoupling, said surface being of such configuration that during un-

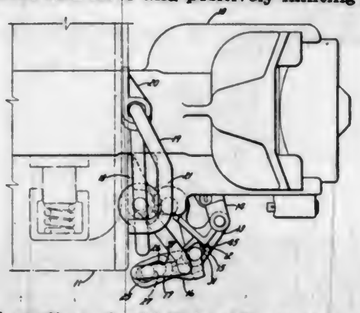
coupling said couplers will be moved laterally relative to each other an amount sufficient to prevent the knuckle of one coupler from binding between the knuckle nose and tail of an opposing coupler, the contour of said tail being comprised of a 1" radius centered $\frac{1}{16}$" from the center line of the coupler on the same side thereof as the pivot for said knuckle, a 2½" radius tangent to said 1" radius and centered $1\frac{7}{32}$" from the coupling line of said coupler at a point below the nose of the knuckle, a 10" radius tangent to said 2½" radius centered $\frac{3}{32}$" from said coupling line on the side thereof opposite to the centers of said first named radii, and a line tangent to said 10" radius and positioned at an angle of 37° to the center line of the coupler.



2. A car coupler having a pivotally mounted knuckle shaped to cooperate with the knuckle and coupler face of another coupler of similar shape in tight fitting engagement, with the inner surfaces of the knuckle noses interlocked with each other, said knuckle having a buffing surface substantially perpendicular to the longitudinal center line of said coupler and a surface adjacent said buffing surface sloping rearwardly therefrom toward the nose of said knuckle, the inner surfaces of the noses of said knuckles being in engagement upon pivotal movement of said first named knuckle during uncoupling of said couplers, said first named knuckle having a tail with a surface adapted to engage the opposing knuckle substantially at the juncture of said sloping and buffing surfaces of said opposing knuckle during uncoupling of the couplers, said tail surface having a configuration such that upon the said engagement thereof with said opposing knuckle the distance from said point of engagement to the point of contact between said knuckle noses is at least as great as the distance from said point of engagement to any other point on the contour of the nose of said opposing knuckle, and the configuration of said tail surface being such that during separation of two couplers there will be free rolling contact between said tail surface and the buffing surface of the opposing knuckle.

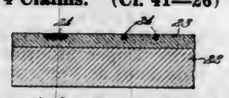
2,245,044
UNCOUPLING MECHANISM
William J. Metzger, Cleveland, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application December 21, 1939, Serial No. 310,452
10 Claims. (Cl. 213—170)

1. An uncoupling mechanism for car couplers comprising a rotor lever pivotally mounted on the coupler, a pivotally mounted bail, a link member pivotally connected at one end to said lever and having a slot in the other end receiving said bail, and means on said member engageable with said lever and positively limiting hori-



zontal angling of said link with respect to said bail to prevent movement of said member to a position in which the latter will bind on said bail during horizontal angling of the coupler.

2,245,045
COATED PAPER
William J. Montgomery and Donald B. Bradner, Hamilton, Ohio, assignors to The Champion Paper and Fibre Company, Hamilton, Ohio, a corporation of Ohio
Original application January 25, 1929, Serial No. 335,016. Divided and this application July 17, 1935, Serial No. 31,915
4 Claims. (Cl. 41—26)



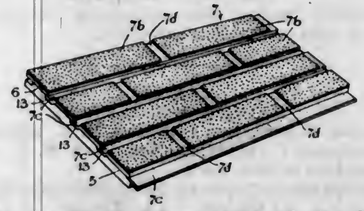
4. Mineral coated paper having a cast surface, characterized by having at least two coatings, each comprising a mineral filling material and an adhesive, on the same side of the paper, one coating being in the form of a mechanograph and inlaid with respect to the other.

2,245,046
DUPLICATING RECORD FORM
Earle H. Moore, San Francisco, Calif., assignor to Security Lithograph Company, San Francisco, Calif., a corporation
Application July 13, 1937, Serial No. 153,321
1 Claim. (Cl. 282—12)



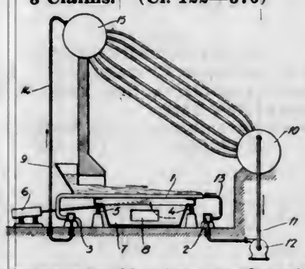
A web of paper sheets adapted for use in manifolding, said web comprising a pair of separate elongated strips respectively folded longitudinally on themselves and arranged one within the other in book form thereby providing an inner strip and an outer, covering strip, said strips being glued together along fold lines for firmly securing the strips together against movement relatively along said lines, said inner strip being carbon paper with their carbon covered surfaces facing the same direction, said inner and outer strips being perforated along registering lines extending transversely across the strip at spaced points for separating the strip into separate sections along said registering lines, said inner strip terminating at points along its corresponding, longitudinal free edges short of the corresponding edges of said outer strip, and said outer strip being formed with lines of weakness extending longitudinally thereof adjacent, but equally spaced from the line of fold of said outer strip.

2,245,047
BRICK SIMULATING SIDING PANEL
Leslie S. Odell, Montreal, Quebec, Canada
Application June 15, 1939, Serial No. 279,338
10 Claims. (Cl. 20—5)



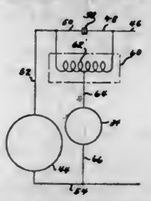
1. An insulating siding panel of the brick simulating type comprising a base member of substantial thickness and stiffness, a waterproof sheet adhesively secured to said base member, the outer side of said sheet bein provided with an ornamental surface pattern consisting of courses of brick-simulating areas with narrow mortar-joint-simulating areas exposed therebetween, portions of the sheet underlying mortar-joint-simulating areas of said surface pattern being depressed into preformed grooves in the base member so that all of the brick-simulating areas are thereby brought into greater relief than would otherwise be the case.

2,245,048
METHOD OF BURNING OR HEAT TREATING SOLID OR FLUID MATERIAL
Ernst Aron Isidor Orrmell, Kramfors, Sweden
Application May 6, 1939, Serial No. 272,163
In Sweden December 21, 1938
8 Claims. (Cl. 122—376)



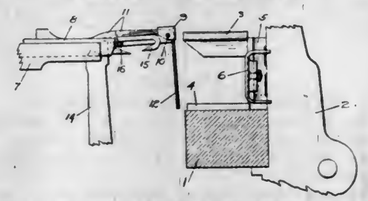
7. In a furnace for burning, or otherwise treating by means of heat, material, the combination with at least one grate composed of pipes substantially horizontally arranged and located adjacent and parallel to each other, of means for elastically supporting at least part of said pipes, means for causing a cooling medium to pass through said pipes, a vibrator, and means for connecting said pipes with said vibrator for the purpose of vibrating said pipes from said vibrator and imparting to the particles of said material supported by said grate, impulses in planes considerably different from the plane of the surface of said grate and for causing said particles to move along said grate surface, the passage area of said pipes on a certain part of the pipe length being of reduced size with regard to the remaining part of the pipe length.

2,245,049
REFRIGERATING APPARATUS
George C. Pearce, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 28, 1939, Serial No. 287,108
4 Claims. (Cl. 62—4)



2. Refrigerating apparatus including an evaporating means, a compressor and condenser for supplying liquid refrigerant to and for withdrawing evaporated refrigerant from said evaporating means, a main driving motor for driving said compressor, an auxiliary motor for circulating a medium in heat exchange relation with the evaporating means, a set of conductors for conducting electric energy to the terminals of the main driving motor, a switch mechanism including contacts connected in series with one of the conductors for stopping the main driving motor and compressor, an auto-transformer including a reactance coil shunted around said contacts of said switch mechanism with its ends connected to said one conductor upon opposite sides of said contacts, said auxiliary motor having one terminal connected to a tap on the reactance coil of the auto-transformer and the other terminal connected to another conductor of said set.

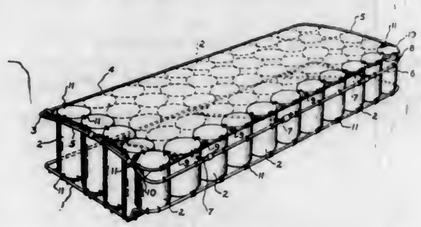
2,245,050
FILLING FORK
Irby Lee Raines, Chester, S. C., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application February 28, 1941, Serial No. 381,105
7 Claims. (Cl. 139—378)



1. A filling fork for a filling detecting mechanism for a loom, said fork comprising a member having a tail extending laterally therefrom and a plurality of filling engaging tines mounted on said member and extending therefrom in a direction substantially at right angles to said tail,

each of said tines being formed of a helically coiled strip of material, each of the coils contacting the preceding coil throughout its length.

2,245,051
BORDER WIRE CONSTRUCTION
Clair S. Reed, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich., a corporation of Delaware
Application December 12, 1938, Serial No. 245,205
5 Claims. (Cl. 155—179)



4. In a spring cushion structure, a bottom frame, cushioning means comprising a coil spring unit supported on said bottom frame, a top border frame having front, rear and side portions, said side and rear portions bordering the top surface of said unit, said front portion being below the level of said top surface, and a resilient border member bordering the front top surface of said unit, said member having a plurality of loops along the length thereof to increase its resiliency, said cushioning means being connected to said border member and to the side and rear portions of said top border frame, whereby upon downward deflection of said top surface of said cushioning means intermediate the border portions thereof said front top border member is deflected rearwardly.

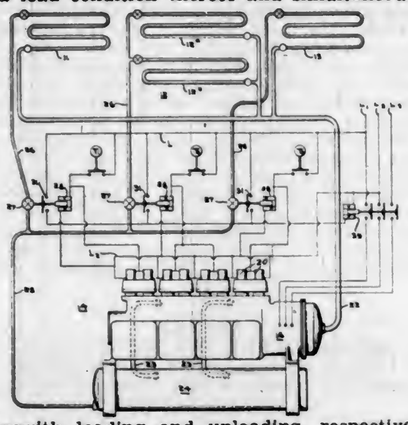
2,245,052
LIQUID CLEANING COMPOSITION
Paul A. Salz, New York, N. Y.
No Drawing. Application March 22, 1940, Serial No. 325,406
1 Claim. (Cl. 252—143)

A liquid cleansing composition comprising the following ingredients in the approximate proportions indicated, the liquid ingredients being by volume and the solid ingredients being by weight:

	Per cent
Water	94
Oxalic acid	5⅜
Potassium chromate	¼
Glycerine	⅛

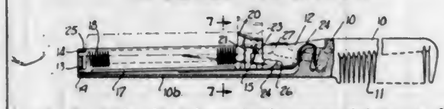
2,245,053
REFRIGERATING APPARATUS
Charles M. Sanders, Jr., Oak Park, Ill., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 3, 1938, Serial No. 228,299
11 Claims. (Cl. 62—4)

1. A refrigerating system comprising a plurality of evaporators, a compressor comprising a plurality of compressor elements, a motor for driving said compressor, means associated with one evaporator for initiating and terminating flow of refrigerant thereto automatically in response to a load condition thereof and simultaneously



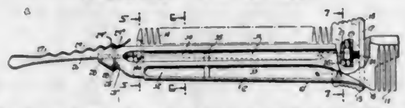
therewith loading and unloading, respectively, one of said compressor elements.

2,245,054
HAIRDRESSING TOOL
Herman C. Schlicker, Brooklyn, N. Y., assignor to Rollocurl Corporation, New York, N. Y., a corporation of New York
Application October 26, 1938, Serial No. 237,118
11 Claims. (Cl. 132—35)



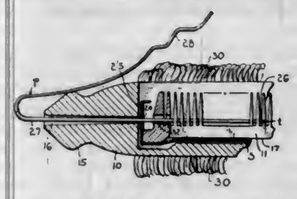
1. A hair-dressing tool comprising a body member having a longitudinally extending slot, a toothed insert received in the slot for lateral and longitudinal movement and having a thumb piece projecting laterally from the slot for pressing the insert into the slot and shifting it longitudinally, one end of the insert having a longitudinally extending pin-like projection the other end having a laterally extending inwardly opening slot with two longitudinally extending branches, the body member having a transversely extending element received in the slot and two openings for receiving the pin-like extension whereby the insert may be held in either retracted or projected position, and a spring for shifting the insert to the projected position.

2,245,055
HAIRDRESSING TOOL
Herman C. Schlicker, Brooklyn, N. Y., assignor to Rollocurl Corporation, New York, N. Y., a corporation of New York
Application November 25, 1939, Serial No. 306,040
19 Claims. (Cl. 132—35)



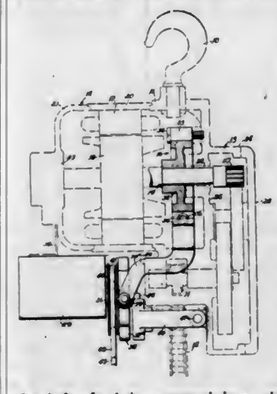
19. In a hair-dressing tool, a substantially cylindrical body having a laterally opening comb receiving slot extending longitudinally thereof and disposed to one side of the body axis, a comb reciprocable within said slot, an annular head at the end of the cylindrical body, an axially disposed hairpin receiving opening extending inwardly through the head and the end of the body, a hairpin at least one of the shanks of which has a ridge and valley formation, the outer contour of said head being of substantially ridge and valley formation, said hairpin being adapted to be maintained so that the other shank thereof extends within the hairpin receiving opening, and the first shank rests on said head with its ridge and valley formations cooperating with the ridge and valley formations of the head, whereby said hairpin may be rotated about the axis of the body to a desired radial position with respect thereto and slide longitudinally of said body at such radial position.

2,245,056
HAIRDRESSING TOOL
Herman C. Schlicker, Brooklyn, N. Y., assignor to Rollocurl Corporation, New York, N. Y., a corporation of New York
Application February 10, 1940, Serial No. 318,235
11 Claims. (Cl. 132—35)



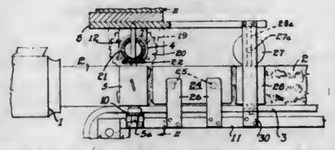
1. A hair curling device comprising a longitudinally slotted member, a comb insert arranged for lateral displacement into and out of the slot of said member and having an opening of predetermined length arranged opposite an opening through an end of said member when said comb insert is in the retracted position with said member to permit an arm of a bob pin to be inserted through said member and insert openings, and means on said comb insert for limiting the insertion of a bob pin arm in said member opening when said comb insert is in the extended position.

2,245,057
ELECTRIC HOIST
Christopher H. Schramm, Muskegon, Mich., assignor to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application September 6, 1938, Serial No. 228,511
6 Claims. (Cl. 254—168)



3. An electric hoist comprising, in combination, an electric driving motor embodying a horizontally disposed generally cylindrical casing open at one end and closed at the other and a rotor shaft projecting out through said one open end, a gear case having a generally vertical web therein with a complemental cylindrical extension thereon secured to the open end of said motor casing to close the same, means on said gear case for journaling the projecting end portion of said motor shaft, means for suspending said motor and said gear case as a unitary structure and attached to such unitary structure at a point adjacent the line of juncture between said motor casing and gear case, a hoist member revolvably mounted on said unitary structure below said motor and substantially in vertical alinement with said last named means, a speed reduction gearing in said gear case drivingly connecting said motor and hoist member, a brake for said motor including a rotatable element fast on the projecting end portion of said motor shaft and a cooperating fixed element, a reversing controller for said motor disposed on the exterior of said unitary structure and including an oscillatable control shaft, said cylindrical extension on said gear case having an aperture therein, and means extending through said aperture for operatively connecting said brake and control shaft.

2,245,058
BRICK SURFACING MACHINE
Fred J. Skyrms, Pittsburgh, Pa.
Application July 19, 1938, Serial No. 220,017
2 Claims. (Cl. 25—1)



2. Apparatus for configuring two surfaces of a moving column of clay to rock-like appearance comprising a roll extending transversely of said column and having a plurality of gougers disposed irregularly over the surface thereof, a vertically extending roll adjacent one side of said column and having a plurality of gougers disposed irregularly over the surface thereof, means for driving said rolls in the direction of travel of said column to gouge out and tear portions of the clay therefrom, a smooth surface roll extending transversely of said column and spaced from said first roll, and a smooth surfaced, vertically extending roll spaced from said second roll, said smooth rolls being adapted to exert sufficient pressure on said column to firmly press the torn portions into holding engagement with said column, and a plate yieldably pressed against the side of said column for preventing the torn portions thereof from dropping away from said column between the said vertically extending rolls.

2,245,059
FOUNTAIN PEN CLIP
Edmund B. Sullivan, Mount Vernon, N. Y.
Application December 13, 1940, Serial No. 369,939
4 Claims. (Cl. 24—11)

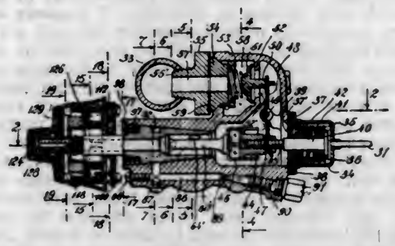
2. In a device of the character described, a barrel having an external screw thread near one end, a cap therefor having an internal screw thread near one end and complementary to the thread on the barrel, a spring clip rigidly con-

nected at one end on said cap, the other end extending over the screw threaded portion thereof, a yielding tongue connected at one end to said cap under said clip and bounded by a U-shaped slit in said cap, the sides of said slit extending across the internally threaded portion



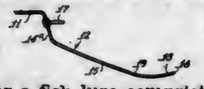
with a plurality of short sections of similar threads on the inside of the free end of said tongue and under the free end of said clip, and a hump on the outside of the free end of said tongue, said hump normally extending slightly above the adjacent surface of said cap.

2,245,060
TEMPERATURE CONTROL FOR GAS RANGES
Benson F. Waddell, Jackson Heights, N. Y., assignor to The Wilcolator Company, Newark, N. J., a corporation of Delaware
Application November 8, 1937, Serial No. 173,377
8 Claims. (Cl. 236—15)



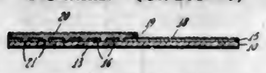
1. A regulator for two or more gas burners which comprises a casing having an inlet opening for admission of gas, a thermo-responsive valve for controlling the passage of gas through the inlet opening, a plurality of outlet ports in the casing for connection to the burners, valve means in the casing for selectively connecting one or more of the outlet ports to the interior of the casing, means in the casing for adjusting the thermo-responsive valve, an operating device for each of said adjustment and valve means, and means for interlocking said operating devices to limit the operation of the adjustment means to a predetermined temperature range when said valve means is in one position and to a different temperature range when the valve means is in another position.

2,245,061
FISH LURE
Theodore Wisniewski, Detroit, Mich.
Application June 14, 1939, Serial No. 279,143
5 Claims. (Cl. 43—46)



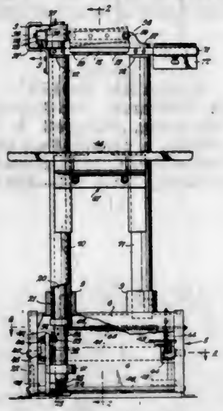
1. A lip for a fish lure comprising, a base portion for attachment to a plug, a forward portion, and an upturned end portion adjacent said forward portion.

2,245,062
SHINGLE
Herbert Abraham, New York, N. Y., assignor to The Ruberoid Co., New York, N. Y., a corporation of New Jersey
Application February 3, 1941, Serial No. 377,140
8 Claims. (Cl. 108—7)



8. A shingle having tabs along its lower end, comprising a felt base saturated with asphalt, a coating of asphalt on one surface of the saturated base, said coating being discontinuous on and in the vicinity of the tabs to leave uncoated areas of the saturated base, and a second coating having portions that project through spaces in the discontinuous coating and anchor it at intervals directly to the saturated base.

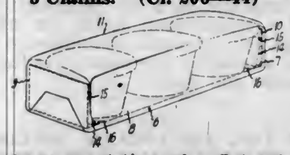
2,245,063
BAG MOUTH TRIMMING AND CREASING DEVICE
Howard G. Allen, Niagara Falls, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York
Application July 25, 1940, Serial No. 347,377
5 Claims. (Cl. 93—6)



1. In a manually actuated device for trimming and creasing the collapsed mouth of a filled paper bag preparatory to forming the closure thereof, a main frame comprising a base and a pair of upwardly extending standards mounted on said base, a horizontally disposed combined creasing and trimming anvil secured to said standards adjacent the upper ends thereof, a movable creasing and trimming assembly carried by one of said standards and being normally disengaged from

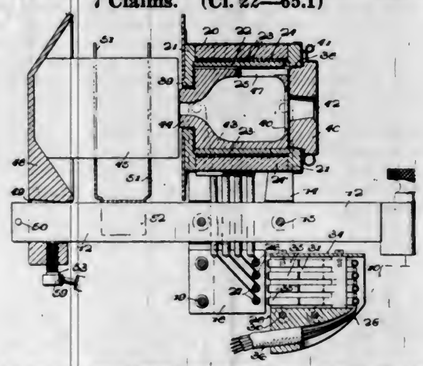
and out of registry with said anvil, and means for first moving said creasing and trimming assembly into registry with said anvil and for then moving said assembly into active engagement with said anvil whereby a collapsed bag mouth interposed therebetween will be creased and trimmed.

2,245,064
CONTAINER
Robert P. Bemiss, San Francisco, Calif.
Application November 5, 1938, Serial No. 239,072
3 Claims. (Cl. 206—44)



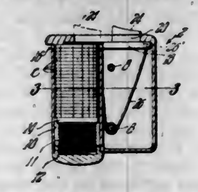
1. A package consisting of a flat substantially rectangular member having parallel fold lines extending transverse to the longitudinal axis of said member to provide an intermediate article receiving base portion between said lines, opposite end portions integrally connected to said base at said fold lines and movable relative to said base into a position substantially 90° to said base to provide with said base a U structure, a flexible strip attached to one of said end portions and folded inwardly and attached to said base adjacent the fold line connecting said last mentioned end portion to said base and forming the hypotenuse of a triangle which includes as the legs thereof a portion at least of said end portion and a portion of said base, and a second flexible strip attached to the other of said end portions and folded inwardly and attached to said base adjacent the fold line connecting said last mentioned end portion and said base and forming the hypotenuse of a triangle which includes as the legs thereof a portion at least of said end portion and a portion of said base, each of said strips limiting movement of its attached end portion between a first position in which said attached end portion lies over and substantially parallel to the base and a second position in which said attached end portion is substantially at 90° to said base.

2,245,065
DENTAL CASTING MACHINE
Herbert R. Berger, Brooklyn, N. Y., assignor to J. F. Jelenko & Co., Inc., New York, N. Y.
Application September 28, 1938, Serial No. 232,207
7 Claims. (Cl. 22—65.1)



1. In a centrifugal casting machine, a rotary furnace, a muffle disposed within said furnace, an electrical heating element surrounding said muffle, said furnace having a sprue opening on one side and a door on the opposite side thereof communicating with the muffle, a thermocouple disposed in the upper portion of said muffle, a removable crucible adapted to fit within said muffle and having a sprue adapted to extend into the sprue opening of the furnace, and said crucible having an elongated slot in its upper portion adapted to register with the thermocouple in the muffle, said thermocouple being positioned externally of the crucible chamber.

2,245,066
DISPENSING DEVICE
Marcel W. Bouchard, Springfield, Mass.
Application August 19, 1940, Serial No. 353,238
3 Claims. (Cl. 133—5)



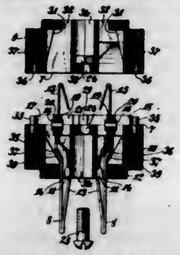
1. A coin dispensing device comprising in combination, a receptacle having side, end, upper and lower walls and a partition wall extending between the side walls forming a vertical coin compartment and a separate compartment adjacent thereto, the lower wall provided with an opening leading into the coin compartment, means to close said opening and urge a stack of coins upwardly in said coin compartment whereby the uppermost coin bears against said upper wall, the upper end of the end wall of the coin compartment provided with a coin discharge slot and the upper end of the partition wall provided with an aligned ejector slot, the upper wall provided with a slot extending between said compartment, an ejector slidable against said upper wall from the separate compartment through the ejector slot into the coin compartment to eject an uppermost coin from a stack thereof through the discharge slot and return to non-ejecting position having a manually engageable part extending through the slot in said upper wall, and spring means wholly within the separate compartment acting on and urging the ejector to non-ejecting position.

2,245,067
NEEDLE FOR AXMINSTER LOOM
Clyde E. Brown, Grafton, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application July 15, 1940, Serial No. 345,541
4 Claims. (Cl. 139—123)



1. A needle for an Axminster loom having a metallic body with a bore extending therethrough, a cylindrical vitreous eye element in the bore having a zone of reduced diameter, a body of metal surrounding and extending into the zone of reduced diameter, and a mass of fusible metal connecting the body of metal to the walls of said bore.

2,245,068
CUBE TAP
Nathan Chirelstein, Chicago, Ill.
Application July 6, 1938, Serial No. 217,693
2 Claims. (Cl. 173—334)



1. A cube tap, comprising a two part insulating base, a fastening extending transversely across the plane of separation of the base parts for securing the same together, plug blades projecting from one of the base parts and disposed at opposite sides of and substantially parallel with said fastening, contacts secured to said blades within the base and offset angularly about opposite sides of said fastening, said base having plug blade receiving openings in line with said contacts, the contacts for each blade being three in number, having base portions secured in flat engagement over the shank of the blade and two of said contacts having spring extensions projecting in different angular relations into engagement with portions of the base for yieldingly positioning said blade and contacts.

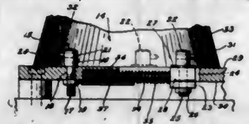
2,245,069
HEAT TRANSFER UNIT
Walter R. Clarke, Hartford, Conn., assignor to The Vulcan Radiator Company, Hartford, Conn., a corporation of Connecticut
Application November 20, 1940, Serial No. 366,377
4 Claims. (Cl. 257—262)



1. A heat transfer unit comprising a metallic tubular core and metallic radiating fins spaced apart on said core, said fins having perforations through which the core passes and having about the perforations two-ply walls that extend from the planes of the fins obliquely in one direction and single ply walls that extend from the planes of the fins obliquely in another direction, said walls being continuous and having thin edges which are angularly spaced from each other and embedded in the surface of said core.

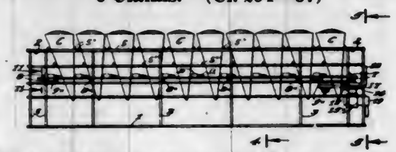
2,245,070
COP HOLDER
Donald A. Cumfer, Ridgewood, N. J., assignor to Wilcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Application January 17, 1939, Serial No. 251,360
5 Claims. (Cl. 242—130)

1. In a holder, for a cop having an inside wall and an end wall adjacent said holder, the combination of a base contiguous the end wall of the cop, said base being slotted; means including a pair of pointed members in said base to grip said inside wall near one end of the slot; means on



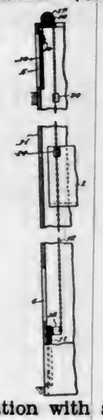
one of said pointed members for guiding same in a straight-line path of reciprocation in said slot; and a compression spring for sliding said one of said pointed members relative to the other and along a straight line parallel to the plane of the adjacent end wall.

2,245,071
BASKET FOR CENTERING, FILLING, PINNING, AND DIPPING ICE CREAM CONES
Edwin L. Elwell, Baltimore, Md., assignor to Eskimo Pie Corporation, Bloomfield, N. J., a corporation of Delaware
Application August 14, 1940, Serial No. 352,580
5 Claims. (Cl. 294—87)



1. A basket for centering, filling, pinning and dipping ice cream cones, comprising a frame, a plurality of superposed guiding and receiving members for the cones providing rows of cone-receiving recesses adapted to support and center the cones in successive rows and with their tops exposed above the basket for simultaneous filling with a frozen confection material, a pin for each cone, the pins being carried by and movable relatively to the basket, and means for simultaneously moving a plurality of the pins into and out of cones to pin the same to the basket, whereby the basket with filled cones may be inverted for a dipping operation.

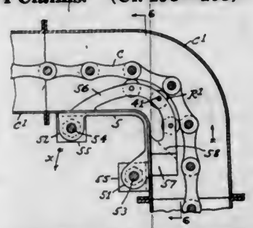
2,245,072
AUTOMATIC DOOR FOR ELEVATOR HATCHWAY OPENINGS
Nicholas R. Guilbert, Jr., Chestnut Hill, Pa.
Application July 2, 1940, Serial No. 343,521
10 Claims. (Cl. 187—60)



1. In combination with an elevator car mov-

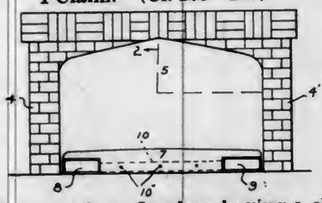
able between vertically spaced hatchway openings, a door adjacent and vertically slidable into and out of registry with each opening, and means interconnecting the doors in mutually counterweighted relation operative to move each door relatively to its opening in correspondence with movement of the other door in the opposite direction relatively to its opening.

2,245,073
CONVEYER-ELEVATOR
Henry W. Hapman, Detroit, Mich.
Application April 19, 1940, Serial No. 330,512
4 Claims. (Cl. 198—168)



1. In a conveyer, the combination, with a closed conduit having two portions angularly arranged with respect to one another and connected by a curved portion, of a conveyer chain operating in said conduit, and supporting means adapted to guide said chain around said curved portion, said means comprising one or more guide rollers within said conduit rotatably supported in members spaced away from the inner wall of the same, there being a swingable door in the wall of said conduit adapted to provide access to said supporting means.

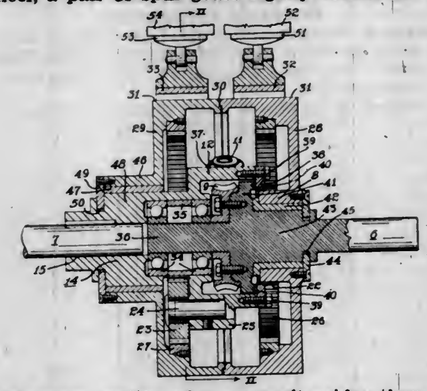
2,245,074
FIREPLACE GUARD
Jess G. Mathis, Seattle, Wash.
Application August 13, 1940, Serial No. 352,368
1 Claim. (Cl. 126—120)



A baffle guard for a fireplace having a chimney flue, comprising a solid sheet metal plate, for disposition across the front of a fireplace between the side walls thereof for deflecting currents of air upward from in front thereof toward the chimney flue, tubular supports attached to the plate at right angles thereto, the bases of said supports extending across the ends of the guard for maintaining the same in perpendicular position and for conducting supplies of air for combustion to a fire behind the guard on a level with the base of the fire adjacent the rear thereof, and an apron extended backwardly from the base of the guard to prevent spread of ashes from behind the guard and provide rigidity between the guard and tubular supports.

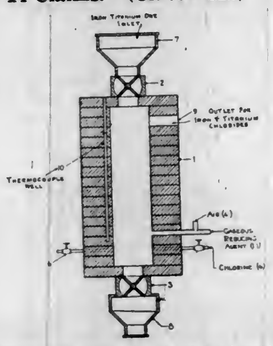
2,245,075
PHASE CHANGING DEVICE
Joseph P. Mingle, Muncie, Ind., assignor to Ball Brothers Company, a corporation of Indiana
Application September 13, 1940, Serial No. 356,621
11 Claims. (Cl. 74—395)

1. In a phase change device, axially aligned drive and driven shafts, a pair of internal ring gears axially aligned with said shafts, a worm wheel carried by one of said shafts, a support attached to the other of said shafts, a worm mounted on said support and meshing with said worm wheel, a worm wheel attached to the shaft of said worm, a worm meshing with said worm wheel, a pair of spur gears rigidly connected to



said worm, positioned on opposite sides thereof and axially aligned therewith; one of said spur gears being in mesh with one of said ring gears, an idler gear carried by said support and meshing with the other of said ring gears and with the other spur gear, and means for at will preventing rotation of one or the other of said ring gears for adjusting the phase relation of said drive and driven shafts.

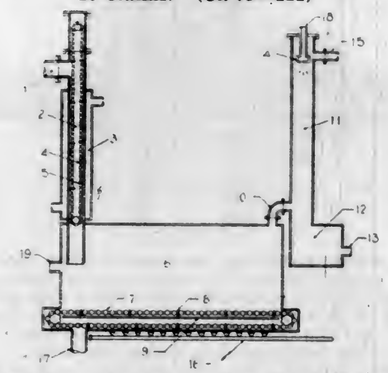
2,245,076
CHLORINATION OF TITANIUM BEARING MATERIALS
Irving E. Muskat and Robert H. Taylor, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application December 22, 1939, Serial No. 310,538
14 Claims. (Cl. 75—112)



1. A continuous process of chlorinating a titanium ore containing about 15 to 50 percent of titanium and 10 to 50 percent of iron which comprises chlorinating said ore in the presence of sufficient gaseous reducing agent to cause formation of iron chloride and a major quantity of titanium tetrachloride in the reaction zone of a reactor and introducing chlorine, gaseous reducing agent and ore therein at such a rate that the heat evolved by the chlorination reaction is developed with sufficient rapidity

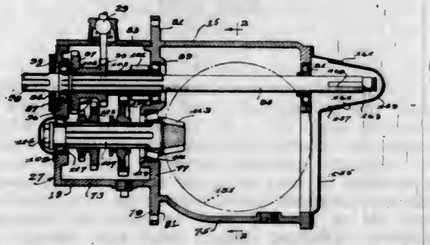
to maintain the temperature above 600° C. within at least a portion of said zone without externally heating said zone, whereby iron and titanium chlorides are formed and volatilized.

2,245,077
METHOD OF CHLORINATING TITANIUM BEARING MATERIALS
Irving E. Muskat and Robert H. Taylor, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application May 4, 1940, Serial No. 333,361
18 Claims. (Cl. 75—111)



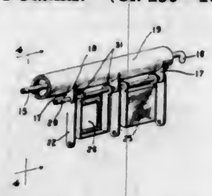
1. In the chlorination of a titanium bearing material which contains a quantity of iron of such magnitude that upon chlorination of said material, the amount of iron chloride formed is such as to cause plugging of the condenser system and at least 10 percent of titanium, the process which comprises chlorinating the material at a temperature sufficiently high to volatilize iron chloride and titanium tetrachloride to form a vapor mixture containing a large quantity of both iron and titanium chlorides, initially condensing the major portion of the iron chloride from the vapor mixture together with a quantity of titanium tetrachloride in an amount sufficient to insure the elimination of the major portion of the condensed iron chloride from the vapor mixture and thus to minimize the tendency toward plugging of the system and separately condensing a further quantity of titanium chloride from the vapor mixture.

2,245,078
DRIVE MECHANISM
Joseph E. Padgett, Toledo, Ohio
Application October 28, 1938, Serial No. 237,457
1 Claim. (Cl. 74—607)



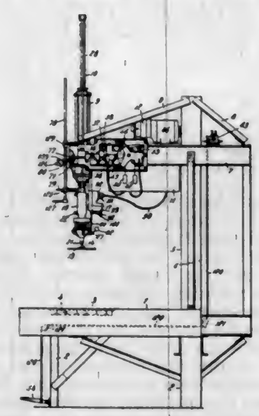
In a unitary power transmission device, an integral casing, a transverse inner wall dividing the casing into front and rear compartments, said rear compartment having an open end, an axle tube mount integral with and extending from each side of said rear compartment, a closure for the open end of said rear compartment, and a mounting flange for said casing forming a radial extension of said inner wall.

2,245,079
SCREEN
Josef Pejchar, Astoria, Long Island, N. Y.
Application March 2, 1940, Serial No. 321,939
4 Claims. (Cl. 156—10)



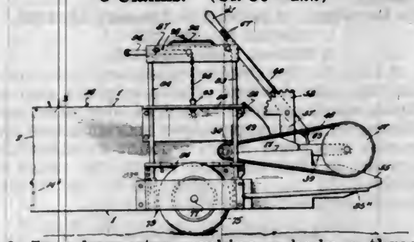
1. A window curtain comprising a supporting bar and a pendant lattice frame pivotally supported upon the bar, the transverse members of the frame being parallel to the supporting bar, an individual frame member disposed in and substantially filling each lattice opening and pivoted at its top to the transverse member and having its bottom end free, and a screen element in each individual frame member.

2,245,080
COMPRESSION TESTING MACHINE
Pyam L. Pendleton, Providence, R. I., assignor to Henry L. Scott Company, Inc., Providence, R. I., a corporation of Rhode Island
Application February 19, 1940, Serial No. 319,604
7 Claims. (Cl. 265—14)



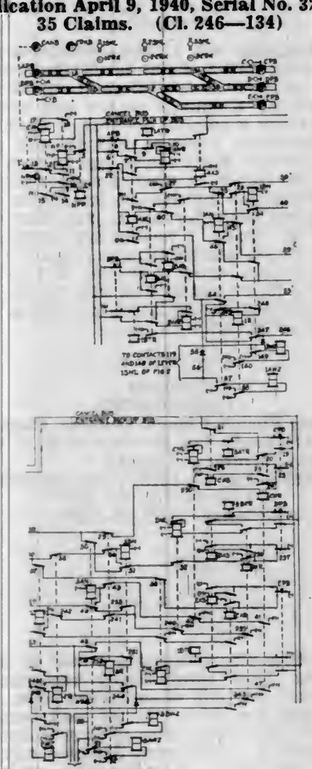
1. Apparatus of the character described comprising a table, a pressure foot mounted over the table, means for moving the pressure foot toward the table and control means therefor, said control means comprising a pair of relatively movable members, a switch operable upon predetermined pressure contact of the pressure foot with the specimen to be tested, a cam controlling the movement of one of said members, a brake associated with the cam, and means controlled by the switch for actuating the brake.

2,245,081
HARVESTER COMBINE
John E. Pierce, Denton, N. C., assignor of one-half to Charles C. Hoover, Denton, N. C.
Application May 11, 1939, Serial No. 273,104
5 Claims. (Cl. 56—122)



1. In a harvester combine, a body, a thrasher rotor carried by the body and having blades, a blower fan carried by the body, a chute, a seed tank connected with the chute at one end thereof, and a screen mounted in the opposite end of the chute, said blower fan being mounted in the body above and inwardly of the thrasher rotor and being adapted for forcing grain thrashed by the thrasher rotor through the screen and chute into the seed tank.

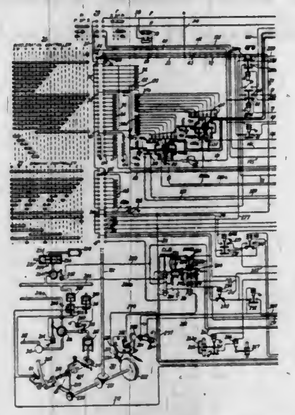
2,245,082
SWITCH AND SIGNAL CONTROL SYSTEM FOR RAILROADS
Neil D. Preston, Rochester, and Forest B. Hitchcock, Greece, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application April 9, 1940, Serial No. 328,712
35 Claims. (Cl. 246—134)



TO LEVER CONTACTS TYPICALLY SHOWN IN FIG. 2.

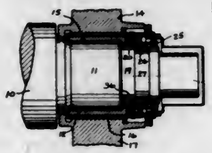
1. In a switch and signal control system of the entrance-exit type, a track layout having a plurality of power operated switches for setting up different routes between signal locations constituting entrance and exit points, manually operable contact means associated with said signal locations and operable to designate each signal location as an entrance or an exit point, route establishing means responsive to the actuation of a manually operable contact means to designate a signal location as an entrance point for energizing relay means to preselect the position of the trailed switches included in all available routes originating at that signal location and responsive to the subsequent actuation of a manually operable contact means to designate the exit point of any desired one of such available routes for causing the operation of the track switches to establish that route and for rendering ineffective the preselection with respect to the other routes, circuit means responsive to the actuation of a manually operable contact means to designate a signal location as an entrance point for preventing the subsequent operation of any other manually operable contact means from being effective to designate an entrance point until said circuit means is released, and means rendered effective by the response of said route establishing means to the actuation of a manually operable contact means to designate an exit point for releasing said circuit means.

2,245,083
ELECTRIC VEHICLE DRIVE SYSTEM
Lewis W. Webb and Jacob W. McNairy, Erie, Pa., assignors to General Electric Company, a corporation of New York
Original application January 12, 1939, Serial No. 250,532. Divided and this application November 6, 1939, Serial No. 303,134
22 Claims. (Cl. 290—17)



20. In a vehicle drive system, a prime mover, an electric generator provided with a field winding driven by said prime mover, an electric vehicle driving motor, means for connecting said motor to said generator, field control means for varying the excitation of said field winding, means responsive to an increase in the current in said generator above a predetermined value for operating said field control means to reduce the excitation of said field winding and thereby reduce the load on said prime mover, and means responsive to a change in the excitation of said field winding for opposing said current responsive means.

2,245,084
BEARING
Henry H. Wood, Pittsburgh, Pa., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application August 16, 1939, Serial No. 290,459
3 Claims. (Cl. 308—237)



1. A bearing comprising an inner member having a cylindrical outer surface, a sleeve surrounding said member with a slight radial clearance and removable therefrom in an axial direction, the inner member and the sleeve being shaped to provide an opening between them having two opposed shoulders, a cylindrical roller mounted within the opening with its axis parallel with the axis of the inner member, the roller having a clearance in the opening in a direction radial of the bearing at least as great as the clearance between the inner member and the sleeve so that the roller will assume none of the radial load of the bearing, the roller being arranged to make line contact with each of said shoulders and to rock thereon as relative radial movement occurs between the sleeve and inner member, and outer bearing means surrounding the sleeve.

2,245,085
LIQUID HEATER
Charles C. Abbott, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application August 28, 1939, Serial No. 292,177
7 Claims. (Cl. 219—39)

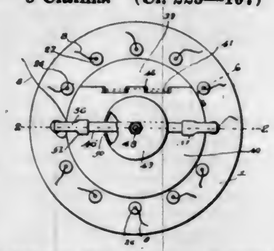


1. In a liquid heater, an outer shell, an inner hermetically sealed hollow core member, and a spirally wound sheathed wire type of heating unit lying between the outer wall of said core member and the inner wall of said shell and cooperating therewith to define a spiral path through said shell.

2,245,086
ELECTRODEPOSITION OF ZINC
John L. Bray and Facundo Rolf Morral, West Lafayette, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application January 10, 1938, Serial No. 184,247
6 Claims. (Cl. 204—55)

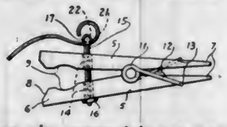
1. A bath for the electrodeposition of zinc comprising an acid solution of zinc sulphate and an addition agent adapted to act as a catalyst and consisting of an unsubstituted alkylamine of the character described in an amount substantially equivalent to that supplied within the range of 0.000025–0.005 cc. per liter (25% by weight $(CH_3)_3N$) aqueous solution.

2,245,087
SEWING SET
Lee Clanton, Rockford, Wash.
Application March 25, 1940, Serial No. 325,691
5 Claims. (Cl. 223—107)



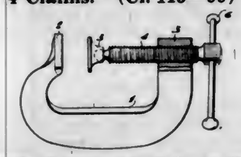
1. In a sewing set, a frame comprising upper and lower sections and standards rigidly connecting said sections in spaced relation, said upper section having a spindle socket and said lower section having a spindle opening, a double spool spindle insertible endwise through said opening for engagement of its upper end in said socket, said spindle having a washer supporting shoulder substantially midway of its length and of such reduced diameter as to pass through the bores of the spools, a washer supported by said shoulder for sustaining an upper spool of thread free from a lower spool of thread, and means engaging said lower section and said spindle for removably supporting the latter in position to hold two spools of thread.

2,245,088
CLOTHESPIN
Otto James Flieler, Cloyne, Ontario, Canada, assignor of twenty-five per cent to H. C. Elkington, Plevna, Ontario, Canada
Application July 13, 1939, Serial No. 284,265
In Canada July 13, 1938
6 Claims. (Cl. 24—250)



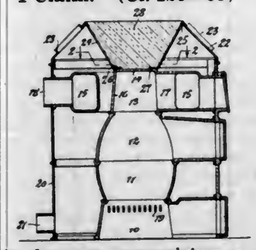
6. A clothes pin comprising a pair of separate confronting bars substantially rectangular in cross section, one end of said bars being formed as jaws and the other end of said bars being tapered on their inner sides to provide oppositely bevelled tails, a transversely disposed coil spring between said bars approximately midway of their length on which said bars teeter and an arm from each of the opposite ends of said spring being bent to extend over the outer side of the tapered tails of said respective bars whereby said tapered tails are pinched together so that said bars teetering on said transverse coil spring cause the opposite jaw ends to open, said coil spring and its extended overlying arms serving also to hold said pair of bars against accidental relative displacement, a split pin passing freely through said bars between said spring and their normally open jaw ends and a cam member held by said pin and working against the adjacent bar to clamp said jaws closed against the action of said spring.

2,245,089
WELDER'S CLAMP
John M. Hargrave, Cincinnati, Ohio
Application October 25, 1939, Serial No. 301,260
4 Claims. (Cl. 113—99)



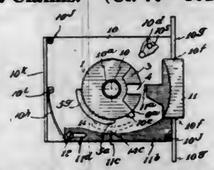
1. A welder's clamp comprising a frame having two spaced arms projecting therefrom, an abutment associated with one such arm, a screw threaded through an aperture in the opposed arm and having an end tip adapted to engage the abutment upon the forward end of the screw, said screw having a major portion of its screw threads normally exposed to molten metal particles incident to the welding operation, the body portion of the screw having an outer surface formed from a metal of a class which does not have an affinity for molten iron such as, for example, brass.

2,245,090
HOT AIR FURNACE
Carl Lengyel, Buffalo, N. Y.
Original application December 13, 1939, Serial No. 309,047. Divided and this application July 23, 1940, Serial No. 346,931
1 Claim. (Cl. 126—99)



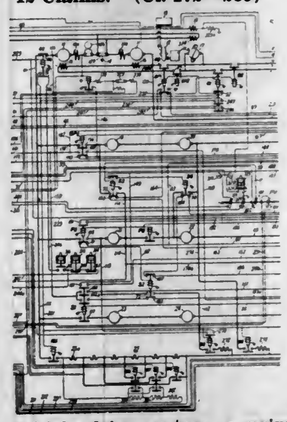
A hot air furnace comprising a combustion chamber in which the hot gases rise, a hollow radiator arranged above the combustion chamber and receiving the hot gases therefrom and provided on the central part of its upper side with an annular rib, a housing forming an air chamber around said combustion chamber and radiator and having a lower upright body and an upper annular top which overhangs the marginal part of said radiator and which has an air outlet, a deflector of downwardly tapering form having its upper end connected with the inner edge of said annular top and having its lower end engaging with the top of said radiator around said rib, and an insulating filling arranged within said deflector.

2,245,091
COMBINATION LOCK
Abraham Lewit and Pablo Wrba, Buenos Aires, Argentina
Application April 24, 1939, Serial No. 269,604
2 Claims. (Cl. 70—301)



1. A combination lock of the character described, comprising a set of three movable discs for each cipher of a lock combination, a separator disc for each of said sets, a spring bolt, means on the middle disc for allowing passage of the bolt, means for releasing said bolt, an arcuate pivoted member for revolving the discs of each set according to the combination, and a translator disc for moving vertically the arcuate member from one set to another.

2,245,092
VEHICLE DRIVE SYSTEM
Jacob W. McNairy and Lewis W. Webb, Erie, Pa., assignors to General Electric Company, a corporation of New York
Original application June 12, 1939, Serial No. 250,532. Divided and this application October 2, 1940, Serial No. 359,376
12 Claims. (Cl. 172—239)

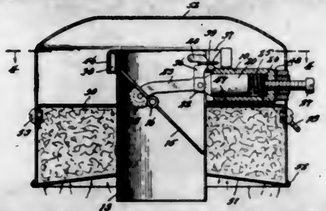


1. In a vehicle drive system, a prime mover, an electric generator driven by said prime mover, said generator being provided with a field winding, a plurality of vehicle driving motors, means for connecting said motors to said generator and for controlling the excitation of said field winding to control the speed of said motors, means responsive to an electrical condition of said generator for controlling the connections of said motors to said generator, and a switch for reversing said motors provided with a plurality of positions for selecting the final motor connections.

2,245,093
AUTOMATIC CHOKE CONTROL
Aleck W. Meston, Toledo, Ohio, assignor to Moto Meter Gauge & Equipment Corporation, Toledo, Ohio, a corporation of Delaware
Application January 16, 1932, Serial No. 587,097
10 Claims. (Cl. 123—119)

1. In combination with a choke valve associat-

ed with the air inlet pipe of an internal combustion engine having a cooling system and an inlet manifold, means responsive to the temperature of said cooling system for opening said valve, a cylinder mounted on said pipe, a piston in said



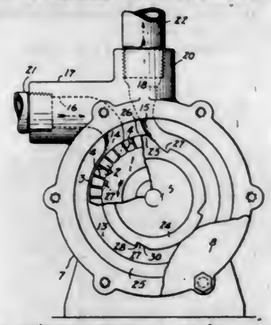
cylinder, and a bell-crank pivoted on the piston, one arm being connected to said valve and the other arm to the means responsive to temperature, said cylinder being connected to said inlet manifold, whereby said piston is responsive to suction of said manifold for opening said valve.

2,245,094

PUMP

Harold Neibert, Davenport, Iowa, assignor to Micro-Westco, Inc., Bettendorf, Iowa, a corporation of Delaware

Application November 2, 1938, Serial No. 238,400
8 Claims. (Cl. 103—96)



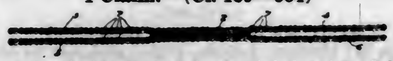
5. In a rotary pump, a casing, a channel in the casing, an inlet to said channel, an outlet from said channel, an impeller, said casing having a wall which is relatively closely adjacent the impeller and defines therewith the radial extent of the channel, and at least one recess in said wall opening toward the impeller in the region of the channel, said recess causing a relatively abrupt enlargement of the channel followed by a merging of the recess with the normal channel wall in the direction of fluid movement through the channel.

2,245,095

WOVEN ELASTIC BINDING STRIP

Halfdan J. Nordseth, San Francisco, Calif., assignor to United Elastic Corporation, Easthampton, Mass., a corporation of Massachusetts

Application November 10, 1939, Serial No. 303,749
1 Claim. (Cl. 139—384)



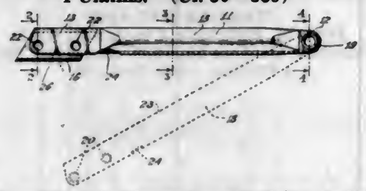
An elastic binding strip for joining two fabrics together in edge to edge relationship, comprising a relatively narrow strip of woven fabric comprising two layers of fabric positioned one above the other, portions of said layers spaced from the selvage edges of said layers being interwoven with each other into an integral structure leaving the four selvage portions of the layers free and projecting from opposite edges of said central interwoven portion, all four of said free margins being woven selvage edges and the strip including elastic threads in the weave thereof running parallel to said edges and imparting a substantial degree of elasticity to the strip.

2,245,096

CUTTING IMPLEMENT

Robert L. Penney, Brooklyn, N. Y., assignor to Lionel Seth Leffert, New York, N. Y.

Application October 2, 1940, Serial No. 359,373
4 Claims. (Cl. 30—339)



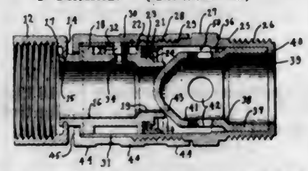
4. A cutting implement comprising a handle member having a slot, a carrier pivoted in said slot, a blade detachably mounted on the carrier, means on the carrier for positioning the blade and means coacting between said handle member and said positioning means for locking the carrier in the handle member.

2,245,097

SHUTOFF VALVE

John H. Tobler, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application February 17, 1940, Serial No. 319,453
3 Claims. (Cl. 251—8)



1. In a shut-off valve, a cylindrical body, valve means fixed within said body and comprising an apertured sleeve, a portion of which is spaced from the inner walls of said body and terminated in a domed valve end, a cylindrical valve seat member slidably mounted within said body, the inner end of said valve seat member being reduced and forming a valve seat adapted to receive said domed valve end, a washer surrounding the reduced inner end of said valve seat and located in spaced relation to said valve seat, said washer engaging the inner wall of said body and constituting a seal for the chamber formed between said body and the portion of said sleeve which is spaced therefrom, means fixedly securing said washer in place and means inseparably connecting said valve member to said valve seat member.

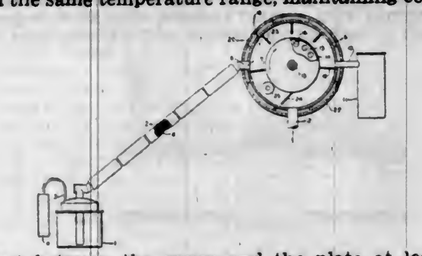
2,245,098

METHOD OF MAKING METALLIC PHTHALOCYANINE COMPOUNDS

Frank S. Turek, Yonkers, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

Application October 26, 1938, Serial No. 237,010
4 Claims. (Cl. 260—314)

1. The method of making copper phthalocyanine which comprises heating a copper plate to a temperature of from 225° to 300° C., bringing said plate into contact with phthalonitrile vapor in the same temperature range, maintaining con-



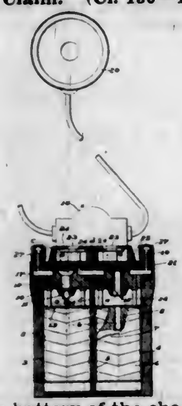
tact between the vapor and the plate at least until copper phthalocyanine is formed on the plate, separating the spent vapors from the pigment coated plate, removing the pigment from the plate, and re-exposing it to fresh vapor.

2,245,099

STORAGE BATTERY FOR HEARING-AID APPARATUS

Grant Wheat, Marlboro, Mass., assignor to Koehler Manufacturing Company, Marlboro, Mass., a corporation of Massachusetts

Application May 19, 1938, Serial No. 208,801
1 Claim. (Cl. 136—170)



In a storage battery of the character described, the combination of a battery jar having a chamber therein, storage battery elements in said chamber and terminals therefor, an insulating cover for said jar adapted to close the top of the jar, said cover including a bottom having a recess in its upper portion, a separate top section of insulating material fitting into said recess, said top section being provided with recesses for the reception of terminals for said battery and having openings in its upper surface, socket type terminals carried by said separate top section, each of said terminals including a tube open at the top and cut away at one side thereof, a U-shaped spring straddling said tube and having one leg positioned in said cut away portion thereof, said tubes being aligned with and extending through said openings, means for securing said top section to said cover, means electrically connecting said terminals with the terminals of said battery elements, the top and bottom cover sections cooperating to substantially enclose the socket terminals within the said recesses except for the portions extending through the openings.

2,245,100

METHOD OF MAKING PIGMENTED ACID RESIN EMULSION

Isidor M. Bernstein, Cincinnati, Ohio, assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application December 24, 1938, Serial No. 247,662
6 Claims. (Cl. 134—36)

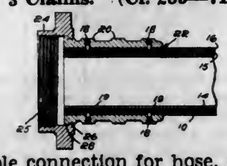
1. The method of making a water-miscible pigmented composition containing an acid resin which produces water-miscible soaps, which comprises preparing a liquid vehicle containing the resin partially as free resin acid and at least one per cent as a water-miscible soap thereof, but in such proportion to free resin acid that the liquid vehicle is not water-miscible, passing a mixture of said vehicle with a pigment through a dispersing machine to obtain a dispersion of pigment in said vehicle, and thereafter saponifying sufficiently more of the free resin acid with a base which produces water-miscible soaps of the resin acid to render the composition water-miscible.

2,245,101

HOSE NIPPLE CONNECTION AND JOINT

Harold O. Cole, Holliston, Mass., assignor to Boston Woven Hose & Rubber Company, Cambridge, Mass., a corporation of Massachusetts

Application December 18, 1939, Serial No. 309,720
3 Claims. (Cl. 285—71)



1. A nipple connection for hose, comprising in combination an annular pipe-like nipple having a cylindrical hose receiving bore, a hose body having one end extending into the bore and having its outer cylindrical surface supported on the cylindrical wall of the bore, the outer end of the nipple being substantially commensurate with the corresponding end of the hose whereby the nipple provides the sole supporting means for holding the hose against expansion to said end, means carried by the nipple and penetrating into the hose body to anchor the body to the nipple, and means on the outer end of the nipple for cooperating with a like and complemental nippled end of another hose body to join the two ends together with the ends of the hose bodies in aligned abutting relation and the bores thereof joined without obstruction or decrease in diameter at the joint.

2,245,102

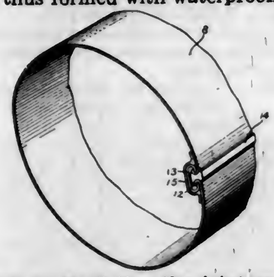
METHOD OF MANUFACTURING HEAT EXCHANGE APPARATUS

Crosby Field, Brooklyn, N. Y., assignor to Flakice Corporation, Wilmington, Del., a corporation of Delaware

Original application August 14, 1931, Serial No. 557,107. Divided and this application January 22, 1937, Serial No. 121,768
6 Claims. (Cl. 29—156)

1. A method of making a flexible cylindrical panel which includes the steps of preforming a sheet of thin flexible metal to a natural diameter substantially less than the diameter of the finished cylindrical panel, uniting the ends of said sheet to form a joint while the joined portions are immersed in liquid flexible waterproof cement

having the characteristics of Vulcalock, treating the joint thus formed with waterproofing cement



and then heat-insulating the joint on the inside of the panel by vulcanizing a layer of insulating material to the portions so treated.

2,245,103
METHOD AND APPARATUS FOR MANUFACTURING ICE MAKING APPARATUS
Crosby Field, Brooklyn, N. Y., assignor to Flakice Corporation, Brooklyn, N. Y., a corporation of Delaware
Application July 13, 1937, Serial No. 153,347
19 Claims. (Cl. 62—1)



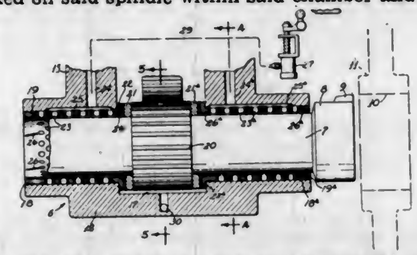
1. A flexible heat transfer member comprising a plurality of metal panels joined by connecting rubber strips, a thin rubber coating provided over the exposed metal surfaces of one side of the member to protect it against deterioration produced by a corrosive substance, and each panel being coated with a corrosion-resistant metal on the other surface thereof.

2,245,104
METHOD OF MANUFACTURING COATED PIGMENTS
Paul W. Greubel, Astoria, Long Island, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application October 29, 1937, Serial No. 171,645
6 Claims. (Cl. 134—58)

1. The process of preparing a pigment powder which is readily dispersible in an organic film forming vehicle, which comprises mixing with a pigment water pulp sufficient of a hydrophobic coating material to coat the pigment particles, but insufficient to cause them to coalesce upon removal of the water, the coating material being dispersed through the pulp by an aqueous solution of a wetting agent unstable at drying temperatures, and thereafter evaporating water from the pigment pulp, and simultaneously removing the wetting agent as such.

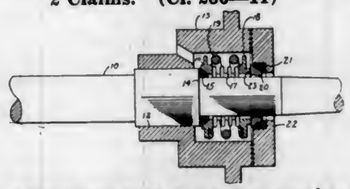
2,245,105
TOOL SPINDLE HEAD
John R. Johnson, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application February 23, 1937, Serial No. 127,087
6 Claims. (Cl. 184—6)

1. A tool spindle structure comprising, in combination, a housing having axially aligned bores with a gear chamber therebetween, fixed perforated bushings secured in said bores, pump means for supplying lubricant to some of the apertures in said bushings, the others of said apertures being closed at the surfaces of said bores to define dead end pockets, a spindle mounted in said bushings with a small running clearance, a gear fixed on said spindle within said chamber and in



indirect end bearing engagement with said bushings, the inner ends of said bushings draining to said chamber to permit a constant flow of lubricant through the clearance spaces, and pump means for removing excess lubricant from said chamber.

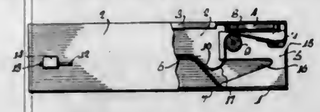
2,245,106
SHAFT SEAL
Arvid E. Karlberg, Chicago, Ill., assignor to Chicago Seal Company, Chicago, Ill., a corporation of Illinois
Application November 24, 1939, Serial No. 305,930
2 Claims. (Cl. 286—11)



1. In association with a housing member having a shaft extending therethrough and rotatable with respect thereto, the combination of a sealing organization embodying a sleeve rotatably mounted with and sealed at one end to the shaft, said seal embodying a resilient element encompassing and frictionally secured to the shaft and disposed against a shoulder on the shaft, one end of the sleeve abutting said element, one of the abutting faces being convex and the other concave to receive said convex face, a bearing member against which the other end of the sleeve has a running engagement, a seal for the last said end of the sleeve and embodying a resilient element recessed into a wall of the housing, one of the proximate faces of the last said resilient element and said bearing element being convex and the other being concave and nesting with each other, whereby the sealing organization and the shaft will maintain a free rocking and sealing engagement substantially throughout the entire area of the contacting faces, and resilient means for maintaining the proximate faces of the sealing elements at both ends of the sleeve at all times in contact.

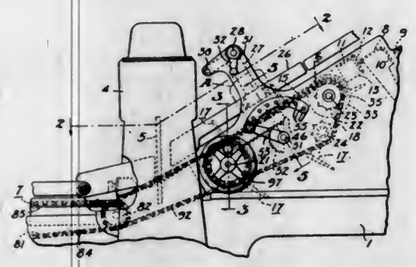
2,245,107
CIGARETTE MAKING DEVICE
Clarence E. Karst, Cincinnati, Ohio, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
Application May 23, 1939, Serial No. 275,244
1 Claim. (Cl. 131—51)

A cigarette making machine of the class described, comprising: a frame of a single sheet of metal in the form of a rectangular open top channel, providing a pair of side walls and a bottom panel connecting the side walls, the upper edges of the side walls being inverted to form longitudinal guideways, the bottom panel having a medial portion formed to provide an elevated platform centrally between the side walls and spaced therefrom and joining with the bottom panel at one end thereof, a slide reciprocable and encased within the frame composed of a pair of opposite end walls joined by a cross web, the cross web providing a hand-hold accessible from the open top of the frame for manually reciprocating the slide, the end walls being respectively in parallelism with the side walls of the frame and in



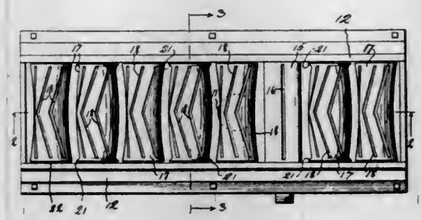
sliding intermesh with the upper edges of the respective side walls of the frame, and slidably sustained on the bottom panel, a roller journaled in the end walls of the slide beneath the cross web thereof and at a platform traversing plane, and a fabric apron within and extending longitudinally of the frame engaged about the roller of the slide and having its opposite ends anchored to the frame respectively at relative opposite ends thereof, the apron when the slide is stationed at one end of the frame being adapted to lie upon the platform with a portion thereof at the rear end of the platform depressed into a loop to form a pocket for holding a quantity of tobacco for envelopment in the apron by a forward stroke of the slide.

2,245,108
SLICING MACHINE
Arthur A. Kottmann, Davenport, Iowa, assignor to Micro-Westco, Incorporated, Bettendorf, Iowa, a corporation of Delaware
Application July 22, 1938, Serial No. 220,789
7 Claims. (Cl. 146—153)



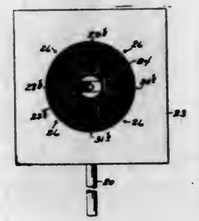
1. A slicing machine comprising a plurality of spaced cutters, a pair of endless members, an article support, flights mounted between said members and being movable along said article support to advance articles to the cutters, means to automatically position articles between the flights of the infeed conveyor, a carriage having portions adapted to be disposed in overlapping relation with said article support, said carriage having a transverse slot through which the flight members are directed, and means for shifting said carriage with respect to the cutters.

2,245,109
FELT CLEANER
Lawrence L. Lapeyrouse, Chickasaw, Ala.
Application March 1, 1938, Serial No. 193,373
1 Claim. (Cl. 92—50)



A cleaner for the felt blanket of a paper makmachine, comprising a vacuum head open upon one face over which the felt passes, a series of rollers mounted in the head and extending across the open face thereof, said rollers being alternately of longitudinally concave and convex form, each of said rollers having openings through its periphery into which water from the felt is drawn by the vacuum, the rollers having longitudinally extending through chambers into which the openings extend, the chambers discharging into the vacuum head, the side walls of the vacuum head at the top edges thereof being disposed in close proximity to the ends of the rollers and the rollers being of the same diameter at their ends and flush with the tops of the adjacent side walls to prevent the felt from being drawn down between the ends of the rollers and the side walls of the head.

2,245,110
VISUAL DEMONSTRATOR
William Marcaccio, West Covington, Ky.
Application January 24, 1940, Serial No. 315,415
6 Claims. (Cl. 35—13)



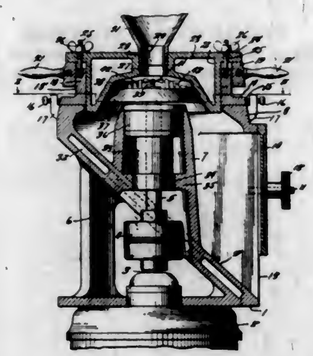
1. A demonstrator for illustrating variations in magnetic flux in an electromagnetic device comprising a supporting screen carrying indicia corresponding to elements of the device and having transparent areas corresponding to localities of the device wherein during operation magnetic flux plays; a first set of polarizers, arranged to intercept light rays vibrating in a common plane; and a second set of polarizers moving in correlated synchronism behind the first set of polarizers whereby the intensity of light transmitted through said first and second sets of polarizers is related to the intensity of magnetic flux of the corresponding elements of the device.

2,245,111
METHOD OF TREATING HUMAN HAIR
Ralph Mauriell, Oceanport, N. J., assignor of one-half to Tadeusz P. Titus, Cleveland, Ohio
Application July 1, 1938, Serial No. 217,025
16 Claims. (Cl. 132—1)



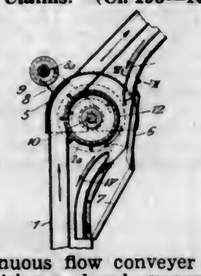
1. A method of treating hair consisting of removing cuticle from said hair and of fashioning said hair into a wave.

2,245,112
MAYONNAISE MILL
William A. McLean, Geneva, N. Y., assignor to Geneva Processes, Inc., Geneva, N. Y., a corporation of New York
Original application March 7, 1935, Serial No. 9,863. Divided and this application June 9, 1937, Serial No. 147,369. Renewed May 15, 1940
4 Claims. (Cl. 259—9)



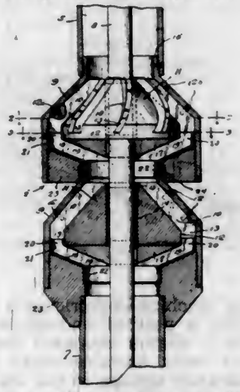
1. In a mechanism for forming an emulsion such as mayonnaise, a stator member including a frusto-conical recessed portion, a frusto-conical rotor disposed in said recessed portion in spaced relation therefrom, a spinner having blades inclined from the horizontal centrally mounted on and rotating with said rotor, a series of radially aligned vertical teeth of varying heights mounted on said rotor and having openings therebetween of varying area throughout the radial length thereof, said series of teeth extending outwardly from said spinner and being in substantially the same horizontal plane therewith, means to selectively adjust the distance between said rotor and stator, and motor driven means to rotate said rotor and spinner.

2,245,113
CONTINUOUS FLOW CONVEYER
Fritz Meyer, Uzwil, Switzerland, assignor to the firm Bühler Brothers, Uzwil, Switzerland
Application January 17, 1940, Serial No. 314,310
In Germany January 18, 1939
8 Claims. (Cl. 198—109)



1. A continuous flow conveyer for loose material, comprising a closed conveyer trough having inlet and discharge openings at opposed ends thereof, said trough including two angularly disposed trough sections hingedly connected to each other to be relatively movable about the hinge connection, a single endless conveyer chain common to both trough sections and mounted to move longitudinally of the trough between the inlet and discharge openings, a guide roller for said chain mounted in the trough at the place where the two trough sections meet each other for guiding the chain over the hinge connection, one side of the chain passing above the roller and the other side of the chain passing beneath the roller in order to compensate the varying length of the chain upon angular adjustment of the trough sections, and overlapping means at the adjacent ends of the trough sections to form a tight joint between the two sections and prevent loss of conveyer material at the hinge connection.

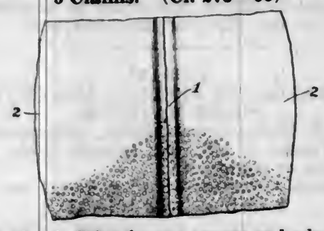
2,245,114
DEEP WELL TURBINE PUMP
Charles A. Orleans, Enid, Okla., assignor of forty-nine one-hundredths to Eugene L. Merritt and Elmer C. Holmes, both of Enid, Okla.
Application January 6, 1940, Serial No. 312,715
2 Claims. (Cl. 103—102)



2. In a turbine pump, the combination of a pump bowl having an impeller chamber therein and inner and outer walls with vanes therebetween forming passages extending from said impeller chamber, there being a shaft opening extending through said inner wall, a shaft extending through said shaft opening, and an impeller

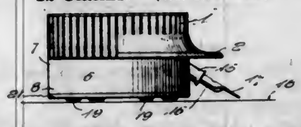
mounted on said shaft in said impeller chamber, said impeller including an upper shroud in the form of a conical disk having integral vanes formed thereon, and a lower shroud separate from said upper shroud and secured to said vanes, said vanes of the impeller terminating at their outer ends in axial extensions, the lower shroud having a cylindrical upper portion surrounding said axial extensions, and the vanes of the pump bowl terminating at their lower ends in axial portions alined with the axial extensions of the impeller vanes, the axial lower ends of the vanes of the bowl terminating above the bottom of the inner wall of the bowl, and the axial extensions of the impeller vanes extending above the upper shroud of the impeller and above the bottom of the inner wall of the pump bowl so that the impeller and the inner wall of the pump bowl interfit.

2,245,115
PLAY OR GAME BALL
Milton B. Reach, Springfield, Mass.
Application April 23, 1938, Serial No. 203,915
5 Claims. (Cl. 273—65)



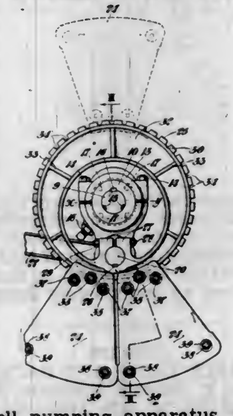
1. A play ball having a carcass or body portion, cover material thereon, the marginal portions of which are of reduced thickness in respect to the main body of said material, said reduced marginal portions being depressed below the surface of the main part of said material with their edges in abutting relation, and a layer of vulcanizable adhesive between the cover material and the carcass, said layer being thicker at that portion which underlies the thinned margins of the cover material spaced apart from the abutting edges thereof, substantially as described.

2,245,116
FOUNTAIN PEN
Matthew A. Rhatigan, New York, N. Y.
Application September 13, 1940, Serial No. 356,699
12 Claims. (Cl. 120—42)



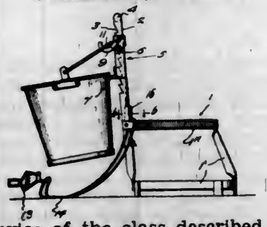
1. A writing device comprising a supporting member, a rigid container for ink, screw threaded connection means for attaching said rigid container for ink to said supporting member, means for preventing leakage of ink between said supporting member and said screw threaded connection means, a pen carried by said supporting member, means for supplying ink to said pen point from said container, means for mounting said supporting member for free oscillatory movement over a writing surface engageable by said pen point comprising a multiplicity of revolvable roller members and yieldable means interposed between said roller members and said supporting member.

2,245,117
COUNTERBALANCING EQUIPMENT
John M. Shimer, Dallas, Tex., assignor to Oil Well Supply Company, a corporation of New Jersey
Application April 21, 1939, Serial No. 269,220
3 Claims. (Cl. 74—591)



1. In well pumping apparatus, the combination with a horizontally extending rotary shaft, of a hub keyed to said shaft, a crank arm having a tongue and grooved connection with said hub for rotation of the arm about the shaft, means for securing said crank arm in various angular positions about said hub, a horizontally disposed crankpin mounted in said arm and having a free terminal, a pitman mounted on the pin adjacent the crank arm, and a counterweight support member secured to the pin terminal, said member having counterbalance means adjustably mounted thereon in a vertical plane spaced horizontally from the pitman and crank arm.

2,245,118
MILKING STOOL
Russell W. Stephens, Lakeview, Mich.
Application March 1, 1940, Serial No. 321,793
2 Claims. (Cl. 31—57)

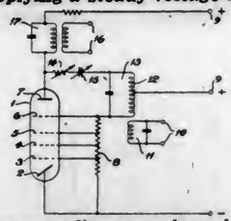


1. A device of the class described comprising a stool, the front legs of which extend upwardly to form uprights, a frame slidably arranged on said uprights, said uprights having notches in their front edges, hooks pivoted to the frame, a cross bar connecting the hooks together and having portions for engaging the notches to hold the frame in adjusted position, and spring means for holding the bar in the notches.

2,245,119
ELECTRON MULTIPLIER CIRCUITS
George William Walton, Kensington, London, England
Application December 5, 1938, Serial No. 244,061
In Great Britain December 10, 1937
2 Claims. (Cl. 179—171)

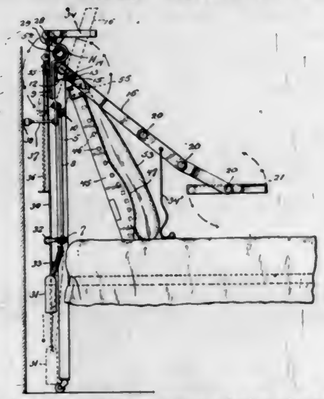
1. An electrical circuit arrangement including

an electron multiplier having a plurality of secondary electron emitting electrodes in the form of grids, an anode within said multiplier adapted to emit substantially no secondary electrons, means for applying a steady voltage between said



anode and the preceding secondary electron emitting grid, and means for superimposing on said steady voltage a varying voltage with which it is required to modulate the output of said multiplier, said steady voltage being equal to the mean potential difference as hereinbefore defined.

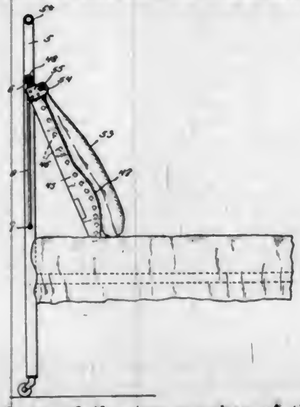
2,245,120
ADJUSTABLE TABLE AND BACK REST
William Y. Abresch, Gastonia, N. C.
Application July 24, 1939, Serial No. 286,292
8 Claims. (Cl. 311—27)



1. A bedstead attachment of the character described comprising a pair of spaced vertically swinging arms pivotally mounted near corresponding ends upon the head member of the bedstead near the top of the latter, weight means for normally swinging the arms upwardly to an out-of-the-way position, manually releasable means for latching the arms in downwardly swung position, and a table arranged between and carried by the other ends of said arms.

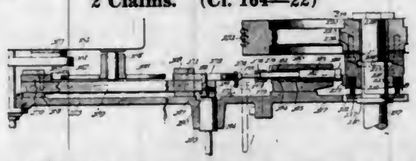
2,245,121
BACK REST
William Y. Abresch, Gastonia, N. C.
Original application July 24, 1939, Serial No. 286,292. Divided and this application January 6, 1940, Serial No. 312,732
1 Claim. (Cl. 5—327)

In a bedstead attachment, a back rest including a vertically elongated rectangular frame having forwardly projecting slotted brackets attached to the side members thereof at the top of the same, and a rod having its ends removably and non-rotatably engaged in said brackets, said rod being retained in close proximity to the top member of the back rest frame, and a pillow having an end of its case wrapped around said rod and clamped between the back of the latter



and the front of the top member of the back rest frame to retain the pillow in a suspended position at the front of the back rest.

2,245,122
APPARATUS FOR FEEDING AND CUTTING SHEET MATERIAL
George T. Balfe, Detroit, Mich., assignor to Detroit Gasket & Mfg. Co., Detroit, Mich., a corporation of Michigan
Application November 11, 1935, Serial No. 49,304
2 Claims. (Cl. 164—22)



1. An apparatus of the class described comprising feeding rolls, means for operating the same continuously to feed strip material to a cutting instrumentality, a reciprocating cutting instrumentality, means including a prime mover and a clutch for operating the cutting instrumentality to cut strip material fed thereto, and means actuated by the feeding means to disconnect the clutch and provide a dwell in the reciprocation of the cutting instrumentality when the cutting instrumentality is free of the strip.

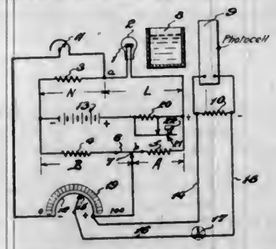
2,245,123
FABRIC PRINTING
Maurice Belloc, Paris, France, assignor to Societe Nobel Francaise, Paris, Seine, France, a joint-stock company of France
No Drawing. Application June 30, 1937, Serial No. 151,321. In France July 31, 1936
3 Claims. (Cl. 91—68)

1. In a fabric printing process, the step of printing on the fabric with a composition containing polyvinyl aceto-formal approximately 18%, plastifiers totaling approximately 18%, and solvents totaling approximately 64%.

2,245,124
MEASURING APPARATUS
Norman E. Bonn, Philadelphia, Pa.
Application April 5, 1939, Serial No. 266,221
23 Claims. (Cl. 250—41.5)

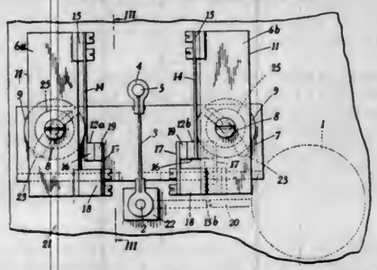
8. In photoelectric apparatus, the combination

with an electric incandescent lamp of a plurality of electrical resistors in an electrical network, a source of electric current for supplying said lamp and said network, variable means for adjusting said network to produce a potential difference subject to variation with changes in temperature of the filament of said lamp caused by fluctuations in the voltage of said source, a light-sensitive device adapted to be illuminated by said lamp and to produce an electric current as a result



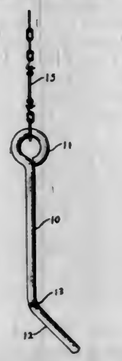
thereof, a circuit for opposing said potential difference due to the current produced by said device to a second potential difference subject to variation with changes in the brightness of said lamp caused by said fluctuations in voltage and regulating means for adjusting the rate of said first-named variation to substantial equality with the rate of said second-named variation to render the performance of said apparatus insensitive to said fluctuations in voltage.

2,245,125
MAGNETIC SWITCH
William Arnold Chambers, Ewell, England, assignor to Ronald Trist & Co. Limited, Slough, England, a British company
Application November 29, 1939, Serial No. 306,749
In Great Britain December 7, 1938
8 Claims. (Cl. 200—84)



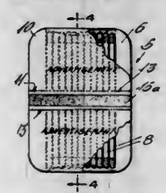
1. An apparatus of the character described comprising means adapted to be mechanically driven in response to a variable condition, the actuating member in the form of an armature but free of electrical connections adapted to be moved by said mechanical driving means, a movable abutment in the path of travel of said actuating member and adapted to be engaged and moved by said actuating member when moving in one direction, and a magnet which by its attraction for the actuating member takes charge when the critical position is reached and causes the actuating member to move with a snap action into the position in which it engages said abutment thereby to hold said actuating member in its engaging position until said first-mentioned means by which it is driven reaches a critical return position at which it exerts sufficient force to move said actuating member against the attraction of said magnet.

2,245,126
BANANA HOOK
George Edmund Day, Ottawa, Ontario, Canada
Application November 20, 1939, Serial No. 305,401
In Canada October 25, 1939
2 Claims. (Cl. 248—304)



2. A hook for suspending bunches of bananas comprising a shank having its upper end bent to form an eye, the lower end of said shank being reversely curved to form an open hook with the free end extending in an upward direction, said hook being bent at an obtuse angle to the axis of said shank, and a rubber sleeve fitted on said hook.

2,245,127
MATCH HOLDER
Donald A. Downing, Edina, Mo.
Application August 20, 1940, Serial No. 353,423
3 Claims. (Cl. 206—29)

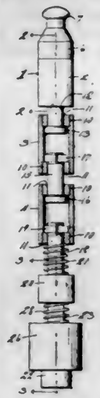


1. A device of the character described, comprising, an H-shaped body provided with matches connected to its cross portion and disposed in parallelism between its side portions, strips of relatively thin material overlying the faces of said body and fixed to said cross portion, said strips formed with transverse rows of perforations defining end sections and disposed adjacent said cross portion to permit severance of the end sections of said strips on each side of said portion, and means connecting the opposed outer ends of said strips together to encase the matches between said strips.

2,245,128
DRILL PIPE CLEANER OR DRIER
Charles J. Gardner, Bakersfield, Calif., assignor of one-half to Aram Peter Ohanneson, Shafter, Calif.
Application July 2, 1940, Serial No. 343,664
10 Claims. (Cl. 166—18)

1. A well pipe cleaner, comprising an elongated body adapted to move longitudinally through the pipe and comprising a plurality of articulated members, a pipe wall engaging clean-

ing rubber connected with one of the members upon one end of the body, and a weight disposed



between the rubber and the said one of the members.

2,245,129

PROCESS FOR PREPARING LINEAR POLYAMIDES

Crawford H. Greenewalt, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 29, 1938, Serial No. 232,471

9 Claims. (Cl. 260—2)

1. A process for obtaining linear polyamides which comprises heating under pressure in the presence of water a polyamide-forming composition comprising essentially reacting material in which each molecule has two and only two reactive groups consisting of amide-forming groups separated by a divalent organic radical having terminal carbon atoms, each of said amide-forming groups in each molecule being complementary to one of the groups in every other molecule, and the number of chain atoms between complementary amide-forming groups being at least five, said groups being nitrile groups and amino groups.

2,245,130

PROCESS FOR THE SEPARATION OF AMMONIA AND SULPHURETED HYDROGEN

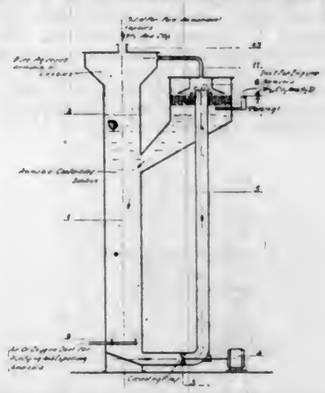
Joseph Guillissen, Uccle, Brussels, Belgium, assignor to Union Chimique Belge Societe Anonyme, Brussels, Belgium

Application April 9, 1938, Serial No. 201,061

In Belgium November 29, 1937

4 Claims. (Cl. 23—193)

1. In a process for the separation of sulphureted hydrogen from the ammonia of impure ammoniacal solutions, the steps of: integrally absorbing the ammoniacal vapours coming from said solutions in a hot, continuously circulating ammonia-containing solution at a temperature of 80°–95° C.; subsequently oxidising the sulphureted hydrogen present by passing a gas containing oxygen through said solution so as to transform said sulphureted hydrogen into non-volatile products and simultaneously expel the purified ammonia as aqueous ammoniacal vapours to enable the rapidly regenerated solution to absorb more impure ammoniacal vapours, the temperature being produced and maintained at the value stated by the heat of the impure ammoniacal vapours and that developed during oxidation, vigorously circulating



the rapidly regenerated solution through the absorber, and collecting said purified ammonia.

2,245,131

PROCESS OF PREPARING VINYL ESTERS

Willy O. Herrmann, Deisenhofen, and Wolfram Haehnel, Munich, Germany, assignors to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie, G. m. b. H., Munich, Germany, a corporation of Germany

No Drawing. Application January 17, 1940, Serial No. 314,354. In Germany February 2, 1939

5 Claims. (Cl. 260—476)

4. Process which comprises refluxing monomeric vinyl acetate with an excess of benzoic acid, distilling off the acetic acid and excess benzoic acid, and distilling vinyl benzoate from the residue.

2,245,132

TREATMENT OF CELLULOSIC TEXTILES WITH LONG CHAIN VINYL ETHERS

Julian Werner Hill and Robert William Maxwell, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 15, 1938, Serial No. 246,001

12 Claims. (Cl. 91—70)

1. Process which comprises impregnating a cellulosic textile material with a monomeric vinyl ether of a monohydric alcohol having an open chain of at least eight carbon atoms and baking the same under non-alkaline conditions until a sample of the fabric after light agitation in a 0.2% solution of mild soap for three minutes at 140° F. and thorough rinsing in warm water is not wet through instantly by the application of a drop of distilled water to the dry surface.

2,245,133

RULED REINFORCING BAR

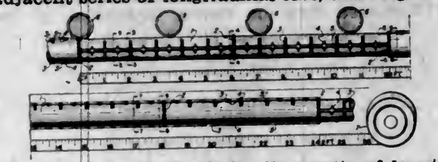
Thomas H. Hopkins, Mobile, Ala.

Application August 4, 1940, Serial No. 351,345

6 Claims. (Cl. 72—111)

3. A reinforcing bar comprising a core of uniform sectional shape throughout its length having a series of longitudinal ribs co-extensive with said bar, said longitudinal ribs being on opposite sides of said core in each series and staggered

with respect to the transverse position of any adjacent series of longitudinal ribs, the length of



said longitudinal ribs indicating units of length, such as feet, throughout the length of said bar.

2,245,134

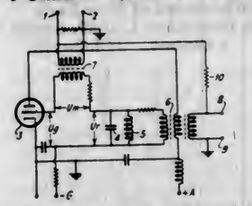
SYNCHRONIZED GENERATOR

Fritz Klaiber, Berlin, Germany, assignor to "Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung," Berlin, Germany, a corporation of Germany

Application March 14, 1940, Serial No. 323,855

In Germany February 17, 1939

9 Claims. (Cl. 250—36)



1. An oscillation generator comprising an electron discharge device having a cathode, an anode and a control electrode, an oscillatory circuit coupled between said control electrode and cathode, a feed-back circuit between said oscillatory circuit and said anode, a source of oscillations for controlling the frequency of said generator coupled to said control electrode and cathode, and means for varying the effective potential on said control electrode as a function of the frequency of oscillations produced by said generator.

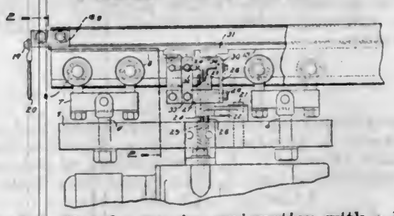
2,245,135

SAFETY MONORAIL SYSTEM

Henry F. Martin, Detroit, Mich., assignor to Detroit Hoist and Machine Company, Detroit, Mich., a corporation of Michigan

Application December 18, 1939, Serial No. 309,768

5 Claims. (Cl. 105—155)



1. A trolley for use in conjunction with a hollow conduit having a longitudinal slot in its lower side providing rails on opposite sides of the slot and having parallel electrical conductors secured therein above the slot, comprising a frame, trolley wheels carried thereby and riding the rails, current collectors including shoes each having a form to engage an electrical conductor and an L-shaped arm for each shoe having an end projecting through the slot to below the conduit, and means associated with the trolley frame beneath the slot for attaching an end of each shoe arm thereto and permitting detachment of the current collectors at a point exteriorly of the conduit and ready removal from the conduit through said slot.

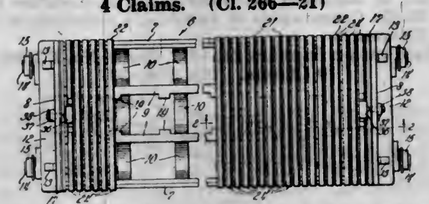
2,245,136

GRATE AND PALLET CONSTRUCTION

Edward W. Shallock, Chicago, Ill., assignor to American Ore Reclamation Company, Chicago, Ill., a corporation of New York

Application July 5, 1940, Serial No. 343,999

4 Claims. (Cl. 266—21)



1. In combination, a pallet frame having two spaced parallel reinforcing ribs provided with opposed inwardly extending projections, a plurality of grate sections seating on said frame and extending in the direction of travel thereof, said grate sections being provided with depending securing members defining locking elements disposed to engage beneath said projections, the latter terminating short of opposite sides of said frame a sufficient distance to permit positioning of said grate sections by insertion of said securing members into said frame at either of said opposite sides thereof, selectively, by moving said grate sections along said frame from either side thereof toward the opposite side thereof, a side grate section seating on said frame at each of said opposite sides confined thereby against sidewise movement and in sidewise contact with adjacent intermediate grate sections effective for holding said intermediate sections in sidewise contact with said locking elements beneath said projections, and means for restraining each of said side sections against movement away from said frame.

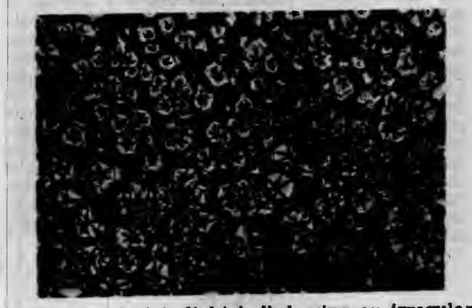
2,245,137

GLASS PRODUCT AND METHOD OF MAKING THE SAME

Emanuel Spielholz, New York, N. Y., assignor to Duro Test Corporation, North Bergen, N. J., a corporation of New York

Application February 25, 1938, Serial No. 192,469

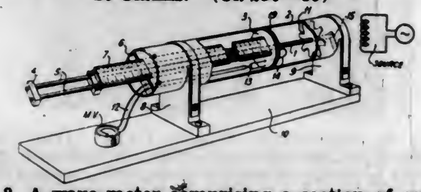
1 Claim. (Cl. 176—16)



A glass electric-light bulb having an irregular chemically etched and recrystallized surface, said surface having etched projections and also having etched portions intermediate said etched projections, said respective projections having

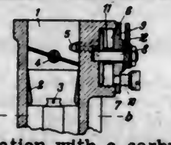
surfaces which are sufficiently inclined relative to each other to refract white light which is emanated from a source which is external to said bulb so as to produce colored fringes, said projections being shaped to transmit the light which emanates from the interior of the energized bulb without the substantial production of colored fringes.

2,245,138
WAVE METER
Paul D. Zottu, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 21, 1937, Serial No. 121,499
10 Claims. (Cl. 250—39)



8. A wave-meter comprising a section of concentric transmission line having inner and outer conductors conductively coupled together at one end and capacitively coupled together at their other end, an exploring electrode coupled to said inner conductor at the capacitively coupled end, said exploring electrode being effectively insulated from said outer conductor, a movable disc for varying the effective length of said inner and outer conductors and means for indicating said variation, and a detecting instrument secured to and movable with said disc for indicating the condition of resonance of said line.

2,245,139
STARTING DEVICE FOR CARBURETORS
Ludwig Beck, Berlin-Zehlendorf, Germany
Application November 30, 1938, Serial No. 243,057
In Germany December 1, 1937
4 Claims. (Cl. 261—41)



2. The combination with a carburetor assembly for internal combustion engines having a mixing chamber, a main fuel nozzle and a throttle valve, of an auxiliary fuel nozzle projecting into the part of said mixing chamber on the engine side of said throttle valve, a fuel supply passage connected to said auxiliary nozzle, a first air passage terminating in said fuel supply passage, a second air passage of large cross-section relative to said auxiliary fuel passage terminating in the part of said mixing chamber on the engine side of said throttle valve, and valve means for closing the air supply through said first air passage while admitting air through said second air passage and vice versa.

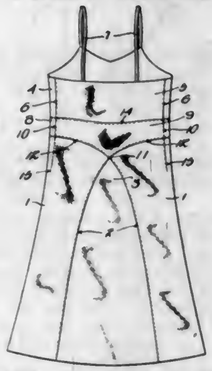
2,245,140
PICKER FOR LOOMS
George Brahs, Hawthorne, N. J.
Application May 20, 1940, Serial No. 336,075
5 Claims. (Cl. 139—160)

1. In combination, with a loom picker formed with a bore for the picker guide-rod, a bearing member fixed in the picker and having a generally T-shaped form as viewed lengthwise of the



picker bore and having its head located in the bore and arranged to wipe against the guide-rod and its shank projecting away from the bore.

2,245,141
LADY'S SLIP
Gladys Burger, Elmhurst, Long Island, N. Y., assignor to The Barbizon Corporation, New York, N. Y., a corporation of New York
Application December 1, 1939, Serial No. 307,053
2 Claims. (Cl. 2—73)

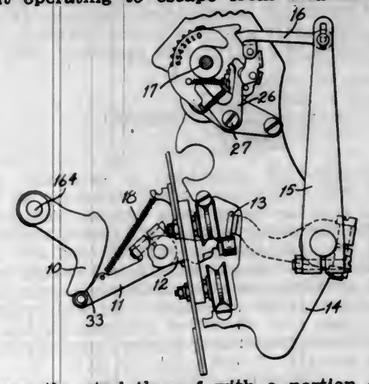


1. A lady's slip comprising bust and skirt sections united by an intermediate waist section, said waist section and the skirt section having their component yarns disposed at an angle of substantially 45° to vertical and united to each other by a seam downwardly curving from the region of the hips to a cusp at the back center and said skirt section having vertical seams located in about the vertical planes of the wearer's legs and ogively convergent to the point of the cusp.

2,245,142
LINE SPACER
Loring Pickering Crosman, Maplewood, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application June 5, 1940, Serial No. 338,939
5 Claims. (Cl. 197—114)

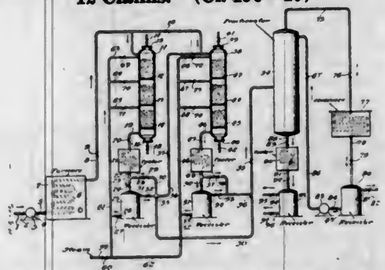
1. A line spacer for a rotary platen printing machine having a frame, a platen shaft supported thereon, and a toothed locator wheel fast on said shaft; comprising a supporting arm loose on the platen shaft, a yieldably positioned intermediate arm pivoted thereto, a spring urged pawl pivoted on the intermediate arm, adapted to engage between the teeth of the locator wheel and having a stud engageable with the intermediate arm, a latch supported on the platen frame and normally engaging the pawl to obstruct pivotal

movement thereof, said pawl in the rotation of the platen operating to lift the intermediate arm and to ratchet over the teeth of the locator wheel, and a reciprocatory member movable in one direction to release said pawl from said latch and oscillate said arms and the pawl about the platen shaft, said pawl in one direction of movement operating to escape from said latch, to



engage the stud thereof with a portion of the intermediate arm and from the teeth of the locator wheel and said member acting in the opposite direction of movement to force the pawl between the teeth of the locator wheel, to engage the stud of said pawl with another portion of the intermediate arm and to rotate the pawl, the arms, the locator wheel and the platen as a unit to latched position.

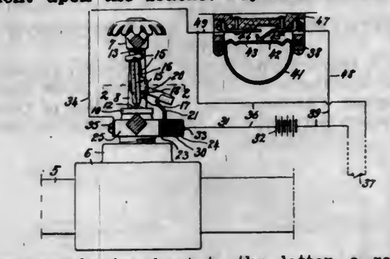
2,245,143
TREATMENT OF OLEFIN HYDROCARBONS
Clarence G. Gerhold, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 13, 1939, Serial No. 267,533
12 Claims. (Cl. 196—10)



1. In catalytic processes wherein a reactant is passed through a hydrated catalyst which tends to deteriorate by dehydration under the operating conditions of the process, the improvement which comprises adding to said reactant, at spaced points in its path of travel through the catalyst, sufficient quantities of aqueous fluid to substantially prevent loss of water from the catalyst.

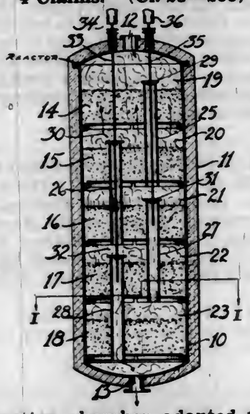
2,245,144
ACTUATOR FOR AUTOMATIC SPRINKLERS
William B. Griffith, Audubon, N. J.
Application January 27, 1940, Serial No. 315,868
3 Claims. (Cl. 169—37)

1. In an automatic sprinkler having a valve controlling a discharge outlet, a strut normally holding the valve closed, thermally responsive means included in said strut and operable under the action of heat to collapse the strut and release the valve, an electric circuit, a bracket secured upon the sprinkler, a heating element included in said circuit, means mounting said element upon the bracket adjacent to said strut



for transferring heat to the latter, a resilient plate mounted upon the bracket and positioned by said strut in circuit closing position and arranged for opening the circuit upon the collapsing of said strut, and a rate in rise of temperature switch included in said circuit.

2,245,145
REACTION CHAMBER
Homer J. Hall, Roselle, and Nicholas Menshih, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application October 12, 1938, Serial No. 234,552
4 Claims. (Cl. 23—288)



4. A reaction chamber adapted to contain a plurality of beds of solid contact material comprising an outer elongated casing forming an enclosed chamber, conduit connections at opposite ends of said casing for introduction and removal of fluids to be reacted, an odd plurality of foraminous partitions arranged in spaced relation longitudinally of said chamber and adapted to separate said chamber into a plurality of communicating zones, each of said zones being adapted to contain a bed of solid contact material, open-ended tubular members arranged in coaxial alignment within said chamber providing communication between alternate zones and one end of said casing, further open-ended tubular members arranged in coaxial alignment within said chamber and providing communication between zones intermediate said alternate zones with the opposite end of said chamber, valves disposed at the ends of said tubular members, valve stems connected to said valves extending longitudinally of said tubular members and through said casing and means outside of said casing for actuating said valve stems to open and

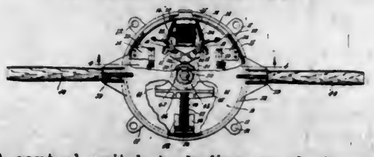
close said valves to thereby cause fluids introduced into one end of said reactor to pass either in series or in parallel through the individual beds of contact material.

2,245,146

REMOTE CONTROL FOR SWITCH THROWING DEVICES

Albert J. Gurney and Glenn D. Gurney, Canton, Ohio, assignors to The American Mine Door Company, Canton, Ohio, a corporation of Ohio

Application December 24, 1938, Serial No. 247,690
13 Claims. (Cl. 200—50)



1. A control switch including an electro-magnet located in two normally open circuits, a pair of opposed switch arms located in substantially the same plane as each other and pivoted intermediate their ends upon spaced, parallel pivots, contact means at one end of each arm for closing one of the circuits and an armature movably mounted upon the other end of each arm, an operating handle pivotally mounted intermediate its ends, independently of the switch arms upon a pivot parallel to the switch arm pivots, oppositely disposed spring fingers upon the central portion of the handle adapted to selectively contact the corresponding switch arms to swing either switch arm upon its pivot to move the contact means thereon to circuit closing position and to simultaneously move the corresponding armature into the range of the magnet.

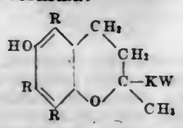
2,245,147

CHEMICAL COMPOSITIONS AND PROCESS FOR THEIR PREPARATION

Walter John, Gottingen, and Philipp Günther, Kassel, Germany, assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application November 25, 1939, Serial No. 306,120. In Germany December 6, 1938
4 Claims. (Cl. 260—333)

1. A process for the production of compounds of the general formula:



where R is a methyl radical or two of the radicals R are methyl radicals and the remaining R is hydrogen, and KW is any monovalent higher hydrocarbon radical, comprising reacting a dihydrocoumarin with a mixture of methyl magnesium halogenide and the Grignard compound from a higher halogenated hydrocarbon, and separating the chomane thus obtained.

2,245,148

ELECTRIC CONNECTING PLUG

Charles H. Kohne, Pittsburgh, Pa.

Application January 17, 1939, Serial No. 251,349
1 Claim. (Cl. 172—361)

An electric connecting plug for a conductor cord comprising the combination of a hollow cylindrical body having an open rear end and being provided with a wall closing the forward end thereof, a pair of forwardly projecting contact arms fixed in said wall and being provided with fixed contact elements disposed at the inner side of said wall, an insulating core mounted in said body and being provided with a longitudinally extending groove, and a pair of contact members fixed to the forward end of said core and contacting with respective contact elements, a longitudinally extending ridge formed on the inner periphery of said body and engaging in said groove for assuring the alignment of said contact members with said contact elements, the terminals of one end of said conductor cord be-



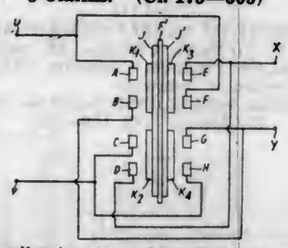
ing permanently embedded in said core and joined with respective contact members, an apertured cap having a screw thread connection with the open end of said body and including a boss engaging the rear end of said core for maintaining and securing the latter in said body and a spiral spring surrounding the connected end portion of the conductor cord and projecting through said apertured cap and having its forward end embedded and permanently secured in said core.

2,245,149

CONVERTER

Alfred Leifer, Berlin-Karlshorst, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application April 20, 1938, Serial No. 203,047
In Germany April 24, 1937
3 Claims. (Cl. 175—365)



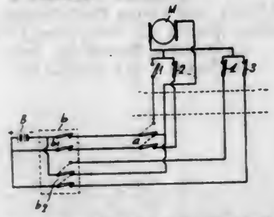
1. In a vibrator assembly of the type adapted for use in transforming direct current into alternating current, a pair of input terminals arranged to be connected to a source of direct current voltage, a pair of output terminals arranged to be connected to an alternating current utilizing device, a vibrator reed, driving means for said reed, a pair of conducting strips mounted on one side of said reed, a second pair of conducting strips mounted on the opposite side of the reed said strips being insulated from each other and from the reed, a first pair of separate fixed contacts mounted adjacent one of said first pair of conducting strips and positioned relative thereto so that movement of the reed in one direction connects the two contacts together through the strip, a second pair of separate fixed contacts mounted adjacent the other of said first pair of conducting strips and positioned with respect thereto so that the said movement of said reed mentioned above connects the second pair of contacts together through the last named strip, a third pair of separate fixed contacts mounted adjacent one of said second pair of conducting strips and positioned relative thereto so that movement of the reed in the opposite direction to that mentioned previously connects said third pair of contacts together through said last named strip, a fourth pair of separate fixed contacts mounted adjacent the other of said second pair of conducting strips and positioned with respect thereto so that said last named movement of the reed also connects the fourth pair of contacts together through the last named strip, means for connecting one of said first pair and one of said third pair of contacts together and to one of said input terminals, means for connecting said other input terminal to one of the second and one of the fourth pair of contacts, means for connecting one of the output terminals to the other of said second and the other of said third pair of contacts and means for connecting the other of said output terminals to the other of said first and the other of said fourth pair of contacts.

2,245,150

CONTROLLING ARRANGEMENT FOR SETTING ORGANS

Ferdinand Eduard Lutz, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application June 30, 1938, Serial No. 216,775
In Germany July 1, 1937
4 Claims. (Cl. 172—239)



1. In a remote control arrangement for radio receiving apparatus and the like, an electric motor for operating the receiver tuning means, a first motor circuit including coarse adjusting means operable to connect the motor to a supply source for rotation thereof, a plurality of operable switches for stopping the rotation of the motor at certain predetermined positions, a plurality of switch operating devices operable with said tuning means and adjustable relative thereto, each of said switch operating devices having coupled thereto through lost motion driving means an auxiliary switch operating device, said auxiliary switch operating devices being disposed relative to said operable switches, a second motor circuit in shunt with said first circuit and including a fine adjustment controller operable to connect the motor to said source for rotation of the motor in either direction and to disconnect the motor from the source to stop the motor, said second motor circuit including limit switch devices for stopping said motor at predetermined limits of operation a small distance from either side of any one of said first named positions said limit switch devices being disposed for operation by said first named switch operating device.

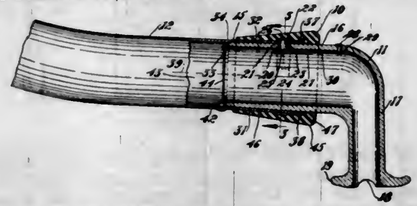
2,245,151

TUBULAR COUPLING FOR SUCTION CLEANERS AND THE LIKE

Eugene F. Martinet, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio

Application June 8, 1939, Serial No. 278,107
3 Claims. (Cl. 285—174)

1. A sealed tubular coupling for suction tubes including two tubular members arranged for separable telescoping jointure with each other to provide an air passageway from the one into the other, one of the tubular members having a spring pressed detent operatively mounted thereon, the other tubular member having a detent receiving recess slot formed in its tube wall and extending circumferentially around a substantial portion thereof for permitting substantial relative rotation between the tubular mem-



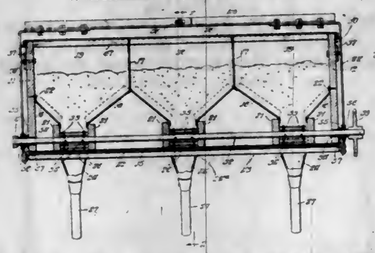
bers with said detent received in said recess slot, the detent and the ends of said recess slot being so constructed and arranged that when said tubular members are twisted with respect to each other in either direction for permitting separation of the tubular members the detent is displaced and released from the slot, and a resilient air sealing closure sleeve covering said recess slot and making a circumferential closure on each of the tubular members when they are connected together.

2,245,152

FERTILIZER DISTRIBUTOR

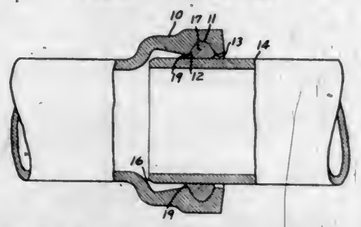
Edwin L. Masters, Chicago, Ill.

Application February 4, 1939, Serial No. 254,545
2 Claims. (Cl. 221—122)



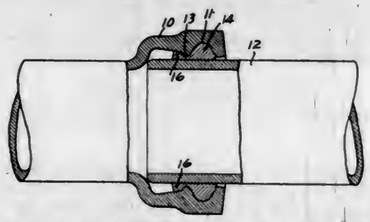
1. A material distributor of the kind described including an elongated container bounded by end walls connected by a bottom plate and by front and rear side walls also connected by said bottom plate, said container being divided into a plurality of disconnected hoppers by two inwardly and downwardly inclined plates respectively connected with each end wall and said side walls, a plurality of oppositely and downwardly inclined transverse partition plates arranged in pairs and closely connected with said side walls, a plurality of transversely extending blocks arranged in pairs in the bottom of the container, the blocks comprising each pair being spaced apart and having a close connection with the bottom and side walls of the container and with the contiguous downwardly inclined plates to provide a relatively restricted space at the bottom of each hopper, said bottom wall providing a discharge aperture in each restricted hopper space, a shaft extending through said end walls and blocks, means operable to rotate the shaft, and a plurality of agitators rotatable with the shaft and respectively positioned in said restricted spaces.

2,245,153
PIPE JOINT
Arthur T. McWane, Birmingham, Ala.
Application May 4, 1939, Serial No. 271,633
1 Claim. (Cl. 285—90)



A joint for bell and spigot type pipe, fittings and couplings comprising a bell and cooperating spigot, the bell having an annular inner groove near the outer end thereof, said spigot extending into the bell past said groove when assembled, the bottom of the groove being arcuate in cross section and having flaring sides, a shoulder in the bell adjacent the high pressure side of the groove, a rubber gasket partly circular in cross section to fit the bottom of the groove and the inner surface thereof having a substantially flat face flaring from the high pressure to the low pressure side, the gasket being smaller in internal diameter than the outer diameter of the spigot to provide for stretching and distortion thereof to fill the groove upon the entry of the spigot said distortion acting to form a locking lip on the gasket extending inwardly beyond and compressed against the shoulder to resist separation.

2,245,154
SEPARATION RESISTING PIPE JOINT
Arthur T. McWane, Birmingham, Ala.
Application May 4, 1939, Serial No. 271,634
1 Claim. (Cl. 285—90)

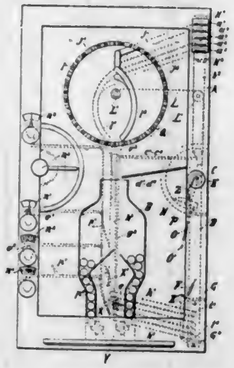


A joint for bell and spigot type pipe, fittings and couplings comprising a bell and cooperating spigot, the bell having an annular packing groove therein near the outer end thereof, an annular gasket fitting within the groove, said packing groove being arcuate in cross section at the bottom thereof and being defined by a wall flaring inwardly of the bell on the high pressure side and a wall flaring outwardly of the bell on the low pressure side, said last mentioned wall being flared more than the first mentioned wall whereby to extend the gripping surface of the gasket, a locking ridge in the bell adjacent the high pressure side of the gasket groove, a clamping ring formed integrally with the gasket inclined axially and radially inward of the bell across the ridge, the internal diameter of the clamping ring and gasket at its smaller dimension being less than the outer diameter of the cooperating spigot, the internal surface of the said clamping ring and gasket flaring outwardly from the high pressure side to the low pressure side of the gasket, whereby upon insertion of the spigot, the gasket is stretched, and distorted, to fill the groove completely and to compress the clamping ring against the locking ridge in the bell.

2,245,155
PROCESS FOR THE PRODUCTION OF SUBSTANTIALLY STABLE FUSED SALTPETER BATHS
Josef Martin Michel, Bitterfeld, Germany, assignor, by mesne assignments, to Walther H. Duisberg, New York, N. Y.
No Drawing. Application June 22, 1939, Serial No. 280,572. In Germany June 27, 1938
4 Claims. (Cl. 148—27)

1. A process for the production of a fused saltpeter bath substantially stable within a temperature range of between about 350 and 550° C., which comprises adding to said fused saltpeter an amount of alkali metal nitrite approximately corresponding stoichiometrically to the amount of nitrite found in the saltpeter bath at the operating temperature without the addition of alkali metal nitrite after equilibrium is reached.

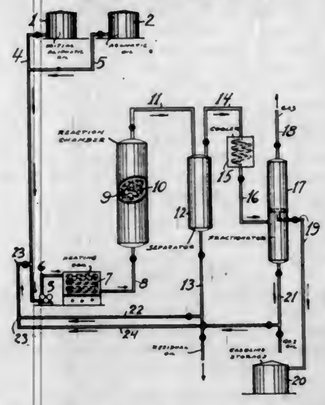
2,245,156
GAME OF SKILL
Rudolf Peter and Heinz Bial, Vienna, Austria
Application March 11, 1938, Serial No. 195,324
In Austria March 18, 1937
1 Claim. (Cl. 273—138)



Coin freed apparatus comprising in combination a casing, a first visible rotary disc with differently coloured areas corresponding to the numbers 1 to 36 and zero similarly to a roulette wheel mounted in the front surface of the casing, a second disc coupled to the first disc, perforations in the second disc corresponding to the numbers 1 to 36 and secondary holes therein each corresponding to a group of such numbers, means released by the insertion of a coin for driving both discs and for braking their rotary movement after a pre-determined duration of rotation, an index mounted visibly upon the first disc adapted to indicate a selected area of the disc when the latter is at rest, a plurality of manually operated rotary knobs serving as selectors movable in relation to the second disc and mounted in the front surface of the casing, one knob at least permitting the selection of a group of numerals (black, red, even, odd), a setting lever positively connected to each knob, each setting lever being adapted to move parallel to the plane of the perforated disc and also at right angles thereto, a pin carried by each setting lever which

at the vertical movement aforesaid enters one of the holes in the perforated disc, an eccentric member in engagement with each setting lever for vertically displacing same relatively to the perforated disc when the latter is at rest, the holes in said disc being so distributed that the pin of the setting lever can enter one hole when the selected number corresponds with that indicated by the index after the visible disc has come to rest.

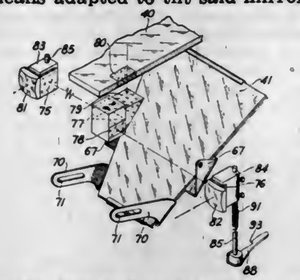
2,245,157
CONVERSION OF COMBUSTIBLE CARBONACEOUS MATERIALS
Mathias Pier, Heidelberg, and Gerhard Free, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to William E. Currie, New York, N. Y.
Application August 12, 1938, Serial No. 224,488
In Great Britain July 15, 1937
3 Claims. (Cl. 196—50)



1. A process for the production of safety fuels stable to knocking which comprises subjecting to cracking higher boiling mainly aliphatic hydrocarbon oils, in particular those having a high content of paraffinic constituents, such as higher boiling fractions of carbon monoxide reduction products, and further cracking in the vapor phase, at a temperature between 400 and 700° C. and in a separate reaction zone, the fraction of the resulting product boiling between about 150 and 300° C. and consisting mainly of unsaturated aliphatic hydrocarbons in the presence of more than about 10% of an added cyclic hydrocarbon which under the reaction conditions is vaporous, but in the absence of a substantial amount of added hydrogen or of a gas supplying hydrogen.

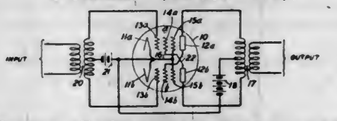
2,245,158
FOCUSING MECHANISM FOR PHOTOGRAPHIC CAMERAS
Harlow D. Philips and Joseph Mihalyi, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 7, 1939, Serial No. 293,782
16 Claims. (Cl. 95—44)

1. In a photographic camera the combination of a focusable exposure lens, a reflex finder including a ground glass, a tiltable inclined mirror, and a focusable finder lens adapted to project an image of the subject to be photographed onto said mirror, means for focusing said exposure lens and said finder lens simultaneously upon the subject to be photographed, and means connected to said mirror and operated by said last mentioned means adapted to tilt said mirror relative



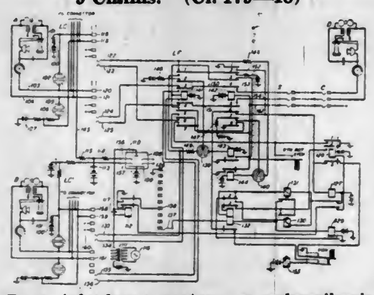
to said finder lens and in a direction to prevent parallax.

2,245,159
ELECTRON DISCHARGE APPARATUS
Arthur L. Samuel, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 3, 1939, Serial No. 277,143
6 Claims. (Cl. 179—171)



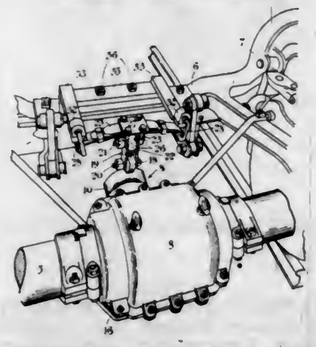
1. Electron discharge apparatus comprising a cathode, a control electrode, an anode, an auxiliary electrode between said control electrode and said anode having an amplification factor of substantially unity, an input circuit connected to said cathode and said control electrode, an output circuit connected to said cathode and said anode, and means for impressing upon said auxiliary electrode a direct current potential substantially equal to the direct current potential of said anode and also a variable potential substantially equal in magnitude and opposite in phase to the variable potential appearing upon said anode by virtue of potential variations in said input circuit.

2,245,160
TELEPHONE SYSTEM
Luther G. Schimpf, St. George, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 7, 1939, Serial No. 283,149
9 Claims. (Cl. 179—18)



1. In a telephone system, a subscriber's line, two space discharge devices for said line, means responsive to the initiation of a call from said line for discharging said devices, and means responsive to the discharge of said devices for producing a plurality of signaling potentials.

2,245,161
TRANSMISSION MECHANISM
George F. Sheppard, Montreal, Quebec, Canada
Application March 27, 1940, Serial No. 326,260
1 Claim. (Cl. 105—118)



In a transmission mechanism for driving a generator from one of the truck axles of a railway car the combination of a transmission assembly including a gear casing having one end mounted on said axle and means for suspending the opposite end of said casing from a stationary part of the truck frame, said means comprising brackets attached to said stationary part of the truck frame, a spring extending transversely of the truck frame, link means suspending the ends of the spring from said brackets so as to permit movement of the spring in the transverse direction of the truck, a plate clamped to the central portion of said spring and provided with a downwardly directed lug overlying an upwardly directed lug carried by the last mentioned end of the casing and a pair of rigid link members having their upper ends pivotally connected to opposite sides of the first mentioned lug and their lower ends pivotally connected to opposite sides of the last mentioned lug, said link members being swingable in the longitudinal direction of the truck.

2,245,162
MERCERIZING AGENT
Robert L. Sibley, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 20, 1939,
Serial No. 274,788
8 Claims. (Cl. 8—127)

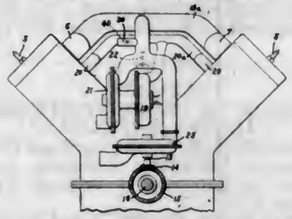
1. An alkaline mercerizing solution containing as a wetting agent an N-alkylated aromatic amine di-sulfonate having the following general formula:

$$\text{alkyl—N(R}_1\text{)—R=(SO}_3\text{Me)}_2$$

wherein R represents an aromatic radical selected from the group consisting of benzene, biphenyl and naphthalene radicals, R_1 represents a hydrogen or an alkyl radical containing from two to six carbon atoms, Me represents an alkali metal, and the term "alkyl" represents an alkyl radical containing from two to six carbon atoms.

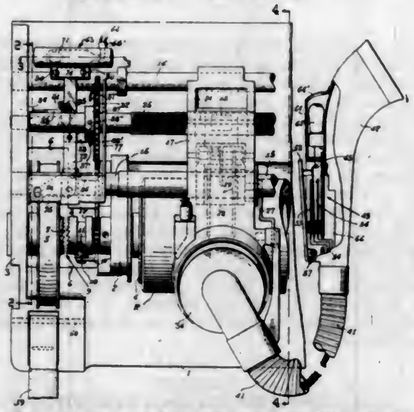
6. A wetting agent capable of increasing the wetting properties of aqueous solutions of alkali metal hydroxides, which comprises an N-alkyl ortho-amino biphenyl disulfonate wherein the alkyl group contains from two to six carbon atoms.

2,245,163
POWER PLANT FOR AIRCRAFT
Chester W. Smith, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application April 7, 1939, Serial No. 266,651
9 Claims. (Cl. 60—13)



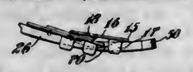
1. A power plant for the purpose described, comprising an internal combustion engine, a turbine wheel connected to the shaft thereof to assist in driving it, a centrifugal supercharger for supercharging the engine, a second turbine wheel for driving the supercharger, both of the turbine wheels operating in parallel on the exhaust gases received from the engine, and means for diminishing the supply of gases from the engine to the second wheel and increasing that to the first wheel when the demand for supercharging is small as at low altitudes and increasing the supply of gas to the second wheel as the demand for supercharging increases due to higher altitudes.

2,245,164
PHONOGRAPH
Richard M. Somers, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application July 15, 1938, Serial No. 219,328
10 Claims. (Cl. 274—17)



7. In a phonograph having a signalling device: the combination of a translating device and means associated therewith for adjusting it into recording and other conditions; a bodily movable switch for controlling said signalling device comprising a pair of terminals and relatively movable conductive inertia means for connecting said terminals together, said inertia means being biased by its weight out of its terminal-closing position and being intermittently moved into terminal-closing position in response to an intermittent bodily acceleration of the switch; driving means; a cam device operated by said driving means and associated with said switch for intermittently accelerating the switch to cause intermittent closing of the same; and means, controlled by said adjusting means and operated in predetermined relation to the adjustment of said translating device, for rendering said switch operatively free from said cam device.

2,245,165
CONTACT FEEDING MECHANISM
William M. Spry, deceased, late of Revere, Mass., by Alice M. Spry, executrix, Revere, Mass., assignor to The Peerless Machinery Company, Boston, Mass., a corporation of Massachusetts
Application August 13, 1940, Serial No. 352,391
3 Claims. (Cl. 218—15)



1. A raceway for feeding elongate eyelet contacts to an eyelet-setting mechanism, comprising a backing member having a face for engagement with one face of the contact, an elongate facing member having a face spaced from said face of said backing member, and a cavity formed in said face of said facing member adjacent the delivery end of the raceway, said cavity being adapted to permit the forward end of a contact to temporarily drop downwardly into said cavity.

2,245,166
COLD WORKED ALUMINUM BASE ALLOY AND METHOD OF PRODUCING IT
Philip T. Stroup, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application August 23, 1939,
Serial No. 291,544
4 Claims. (Cl. 148—2)

1. A cold worked aluminum base alloy containing from 0.25 to 10 per cent magnesium, from 0.01 to 1 per cent zirconium, and from 0.01 to 4 per cent of at least one hardening element of the group consisting of maganese 0.05 to 1.5 per cent, titanium 0.01 to 0.5 per cent, vanadium 0.05 to 1 per cent, cobalt 0.1 to 1 per cent, chromium 0.05 to 1.5 per cent, nickel 0.1 to 2.0 per cent, and the balance being aluminum, said alloy being characterized by having a higher recrystallization temperature than the same alloy devoid of zirconium where both alloys have received the same amount of work hardening and the same thermal treatment.

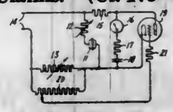
4. The method of producing a cold worked aluminum base alloy containing between about 0.25 and 10 per cent magnesium and exhibiting improved recrystallization characteristics, comprising the steps, incorporating from about 0.01 to 1 per cent zirconium in the molten alloy at an appropriate stage in its production, casting a body of said alloy, cold working said alloy body, and thereafter heating the wrought body to a temperature below that at which complete recrystallization occurs but above the temperature at which a similar cold worked alloy devoid of zirconium will completely recrystallize.

2,245,167
WROUGHT ALUMINUM BASE ALLOY AND METHOD OF PRODUCING IT
Philip T. Stroup, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application August 23, 1939,
Serial No. 291,545
5 Claims. (Cl. 148—2)

2. A wrought aluminum base alloy containing from 0.5 to 10 per cent magnesium, 0.25 to 8 per cent zinc, 0.1 to 3 per cent copper, 0.01 to 1 per cent zirconium, and from 0.01 to 4 per cent of at least one of the hardening elements of the group consisting of manganese 0.05 to 1.5 per cent, titanium 0.01 to 0.5 per cent, chromium 0.05 to 1.5 per cent, vanadium 0.05 to 1 per cent, 0.1 to 1 per cent cobalt, and nickel 0.1 to 2 per cent, the balance being aluminum.

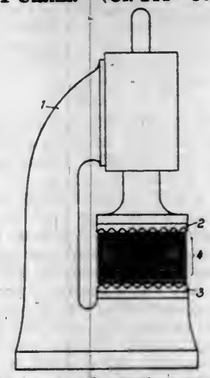
5. The method of producing a cold worked aluminum base alloy containing between about 0.5 and 10 per cent magnesium, 0.25 and 8 per cent zinc, and 0.1 and 3 per cent copper and exhibiting improved recrystallization characteristics, comprising the steps, incorporating from about 0.01 to 1 per cent zirconium in the molten alloy at an appropriate stage in its production, casting a body of said alloy, cold working said alloy body, and thereafter heating the wrought body to a temperature below that at which complete recrystallization occurs but above the temperature at which a similar cold worked alloy devoid of zirconium will completely recrystallize.

2,245,168
METHOD AND APPARATUS FOR TESTING
Chauncey G. Suits, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 10, 1939, Serial No. 303,921
19 Claims. (Cl. 175—183)



1. The method of testing the quality of a gaseous atmosphere, which comprises creating an arc in said atmosphere, and measuring a time-dependent characteristic of the arc.

2,245,169
COMPRESSED FIBROUS MATERIAL
Emil Freiherr von Ende, Haslach i./K., and Heinrich Geffcken, Berlin, Germany
Application August 18, 1937, Serial No. 159,733
In Germany May 2, 1936
1 Claim. (Cl. 144—309)



A method of manufacturing compressed wooden materials comprising assembling a plurality of readily pliable glue surfaced sheets of wood into a stack with alternate sheets having their grain extending at right angles to one another, uniting and simultaneously corrugated the sheets in said stack by the application of heat and increasing pressure applied along lines extending at an angle

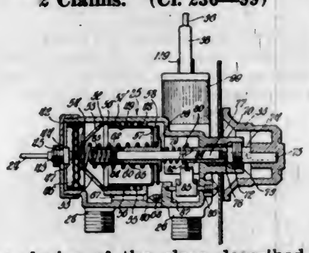
of approximately 45° to the grain of all of the sheets, and permitting the stack to cool while still under pressure whereby it will set in the form of a solid compact block, the said corrugations increasing the resistance of the block to deformation and substantially eliminating any tendency to tear at its edges when subjected to mechanical operations.

2,245,170
METHOD OF PRODUCING VENEERS
Emil Freiherr von Ende, Haslach I./K., and Heinrich Geffcken, Berlin, Germany
Application August 18, 1937, Serial No. 159,734
In Germany March 6, 1937
3 Claims. (Cl. 41—35)



3. The method of producing artificially veined wooden veneer comprising the steps of stacking a plurality of glue surfaced initial sheets of pared-off veneer belonging to the same period of growth of a trunk, while simultaneously strewing wooden beads between adjacent sheets of the stack, heating and initially pressing a limited rim portion of the stack, increasing and gradually extending the pressure until covering the entire stack area, thereby to deform the individual sheets out of their original planar surface, allowing the stack to cool and set into a block, and cutting said block into final veneers.

2,245,171
REGULATING VALVE
Theodore A. Wetzel, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Original application April 12, 1937, Serial No. 136,291. Divided and this application November 13, 1937, Serial No. 174,399
2 Claims. (Cl. 236—99)



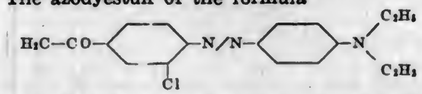
1. In a device of the class described, a valve housing having an inlet and an outlet, a selecting spindle having threaded engagement in said housing, a rod actuated axially by rotation of said spindle, a sleeve slidable upon said rod and and having a flange at one end, a spring confined within said sleeve and biased between the other end of said sleeve and the adjacent end of said rod, a valve disc member encircling said sleeve, a sleeve-like valve member reciprocable in said housing and having a valve opening at one end adapted for control by said valve disc member, thermally actuated means at the opposite end of said sleeve-like valve member, a cooperating member engaged by said thermally actuated means at position substantially in axial alignment with said rod and extending radially and coacting at its outer periphery with the adjacent end of said sleeve-like valve member, and a spring surrounding said sleeve member and disposed within said sleeve-like valve member, said spring being biased between said cooperating member and said valve disc member to seat said valve disc member against the flange on said sleeve member so that the valve disc member will be actuated axially by axial actuation of said rod.

2,245,172
PROCESS FOR PRODUCING 4-HYDROXY-1-AMINONAPHTHALENE - 8 - CARBOXYLIC ACID AND 4-HYDROXYNAPHTHOSTYRIL
Werner Zerweck and Wilhelm Kunze, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application April 1, 1938, Serial No. 199,440. In Germany April 12, 1937
2 Claims. (Cl. 260—313)

1. A process which comprises combining 5-hydroxynaphthalene-1-carboxylic acid in a strongly alkaline medium with a diazo-compound, reducing the monoazo dyestuff thus formed in an alkaline medium and converting the resulting compound to the 4-hydroxynaphthostyril in an acid medium.

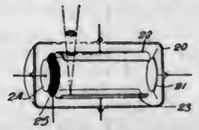
2,245,173
WATER-INSOLUBLE AZO DYE
Werner Zerweck and Wilhelm Kunze, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Original application May 12, 1937, Serial No. 142,170. Divided and this application June 29, 1939, Serial No. 281,884. In Germany May 15, 1936
1 Claim. (Cl. 260—205)

The azodyestuff of the formula



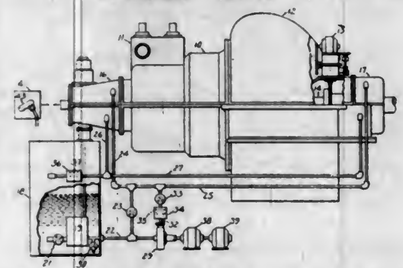
which dyestuff is a red powder, dyeing acetate silk from a soap-containing bath in the presence of a dispersing agent strong and clear reddish-orange shades of valuable fastness properties.

2,245,174
ELECTRON DISCHARGE DEVICE
George Baldwin Banks, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application March 16, 1937, Serial No. 131,153
In Great Britain February 8, 1936
3 Claims. (Cl. 250—175)



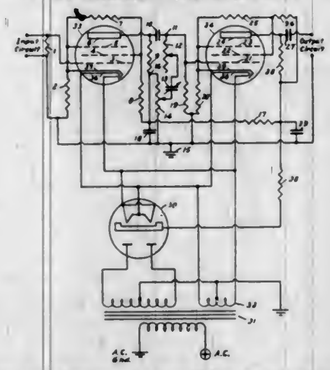
1. An electron multiplier comprising at least one pair of concave secondary electron emitting members, the members forming a pair thereof being positioned with the concave faces thereof opposite to each other, electrode means positioned substantially perpendicularly to the major axis of said members comprising the electrode pairs and being adapted when energized to establish an electrostatic field substantially parallel to said major axis and to act as a collector means, there being means for initiating an electron flow toward one of the members of each electrode pair, and means positioned between said collector means and said electrode pairs for establishing in said multiplier a positive resistance value.

2,245,175
ELASTIC FLUID TURBINE TURNING GEAR CONTROL SYSTEM
Herman Bany, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application October 19, 1939, Serial No. 300,197
10 Claims. (Cl. 60—1)



1. In an electrical control system for a turbine turning gear apparatus including a motor and a turbine bearing lubricating system including an auxiliary oil pump motor, a control switch, means for initiating the operation of said pump motor upon the actuation of said switch, means responsive to predetermined conditions of the lubricating system for starting the operation of said turning gear motor, means for subsequently effecting the connection of said turning gear to said turbine, and means responsive to a predetermined speed of said turbine for effecting the deenergization of said pump motor and said turning gear motor.

2,245,176
COMPENSATING CIRCUIT FOR AMPLIFIERS
John L. Barker, Norwalk, Conn., assignor to Automatic Signal Corporation, East Norwalk, Conn., a corporation of Delaware
Application March 4, 1939, Serial No. 259,834
16 Claims. (Cl. 179—171)



1. In an electronic amplifier employing a thermionic tube having the conventional control grid, hot cathode, anode and screen grid and an output circuit connected to the anode, means for minimizing voltage changes in the output circuit produced by changes in the voltage supply for the heater and anode, cathode and screen grid electrodes, said means comprising a circuit having a time constant substantially equal to the time constant of thermionic emission in relation to heater supply voltage changes and connected from the voltage supply to a point in the anode circuit.

2,245,177
PROCESS OF PRODUCING METHINE-CYANINE DYESTUFFS
Fritz Bauer, Dessau, and Gustav Wilmanns, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 7, 1938, Serial No. 244,390. In Germany December 9, 1937
5 Claims. (Cl. 260—240)

4. A process of producing a methine cyanine dyestuff which comprises reacting a compound selected from the class consisting of semicarbazones and semithiocarbazones of N-alkyl nitrogen heterocyclic compounds of the type used in cyanine dyes containing a monomethine-ω-aldehyde group attached to a reactive position of the heterocyclic ring with a compound of the group consisting of cyclammonium alkyl quaternary compounds having methyl groups in a reactive position in the hetero ring and heterocyclic compounds having reactive intracyclic methylene groups adjacent to cyclic keto groups, in the presence of pyridine and acetic anhydride.

2,245,178
PIEZOELECTRIC CRYSTAL
Rudolf Bechmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 2, 1939, Serial No. 259,349
In Germany March 4, 1938
5 Claims. (Cl. 171—327)

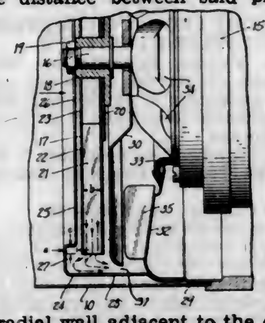


1. A piezoelectric crystal for use in a filter circuit having but a single resonant frequency comprising a crystal having all of its edges between the faces of the crystal rounded over, and a coating of elastic substance located on said rounded over edges to exclude undesired frequency in said filter circuit.

2,245,179
VACUUM CLEANER
Jean Ivan Ragnar Boivie, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application April 1, 1939, Serial No. 265,447
In Germany April 8, 1938
2 Claims. (Cl. 230—127)

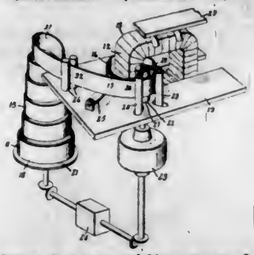
1. In a centrifugal air pump for a vacuum cleaner, a rotatable impeller including radially disposed spaced parallel plates and impeller blades disposed therebetween, a housing around said impeller, said housing including a radial wall formed with a central air inlet and disposed parallel and closely adjacent to one of said plates and joined to an axially extending cylindrical wall disposed radially beyond said impeller, the

space between said radial wall and the adjacent plate being enlarged to form an annular recess opposite the periphery of said adjacent plate, the depth of said recess in the direction normal to said wall being equal to approximately one half the distance between said plates, and a



second radial wall adjacent to the other of said plates, the outer edge of said second wall being disposed radially beyond said impeller but spaced from said cylindrical wall to provide an annular, axially-extending outlet passage opposite to said enlarged space.

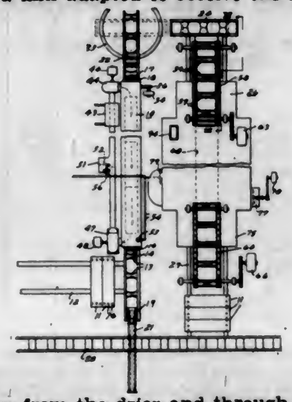
2,245,180
ASSEMBLING ELECTROMAGNETIC INDUCTION APPARATUS
Aram Boyajian, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application February 20, 1940, Serial No. 319,863
9 Claims. (Cl. 242—4)



1. A machine for assembling wound-strip cores with preformed conductive winding structures, comprising a device for holding a winding structure in position to have a core applied to the winding leg thereof, means for rotatably supporting a coil of magnetic strip, power-driven rollers mounted away from the plane of said coil adapted to grip strip material between them and to rotate a loop of strip around the winding leg in a different plane from the plane of the said coil, and means for feeding strip away from the plane of said coil to said loop.

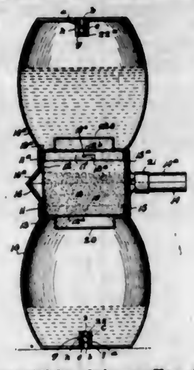
2,245,181
PROCESS AND APPARATUS FOR PRODUCING CYLINDRICAL CERAMIC TILE
Charles N. Brooks, Birmingham, Ala.
Application October 10, 1938, Serial No. 234,127
11 Claims. (Cl. 25—142)

11. In apparatus for the continuous production of cylindrical ceramic tile, a plurality of supporting cylinders in which the tile are nested for drying and burning, a drying tunnel through which the supporting cylinders are moved in end to end relation, parallel power driven rollers upon which the cylinders are supported and rotated while in the tunnel, transverse rollers disposed beneath the supporting cylinders between the parallel rollers in the tunnel, means to raise and lower the transverse rollers to raise the cylinders off the parallel rollers, power means to push the cylinders through the tunnel, means to pass drying air longitudinally through the cylinders in the tunnel, a kiln adapted to receive the supporting



cylinders from the drier and through which the cylinders are adapted to be rolled, means to transfer the cylinders to the kiln, the cylinders fitting within the kiln with relatively close clearance, means to maintain the cylinders in spaced relation within the kiln, means to maintain the cylinders in alignment, and power operated means to push the cylinders into and remove them from the kiln.

2,245,182
COFFEEPOT
Robert T. Cameron, Chattanooga, Tenn.
Application June 4, 1940, Serial No. 338,816
4 Claims. (Cl. 53—3)



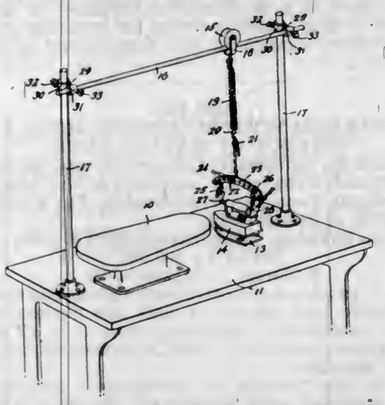
1. In an invertible drip coffee brewing apparatus for obtaining one or more leachings of the ground coffee, two similar and separable vessels each having an opened end, a coffee container having foraminated ends and having opposite end portions detachably and fittedly inserted into the opened ends of said vessels, respectively, and connecting the latter together with one above the other and in inverted position, the open ends of said vessels having the openings therein formed and dimensioned to slidably and frictionally receive therein opposite ends of the coffee container, respectively, and pouring means

formed at the open end portions of each vessel and closed by the coffee container when in assembled position.

2,245,183
PRODUCTION OF OLEFIN OXIDES BY CATALYTIC OXIDATION OF OLEFINS
Bruno Christ, Heinz Pardon, and Fritz Hanusch, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 27, 1939, Serial No. 276,226. In Germany June 4, 1938
6 Claims. (Cl. 260—348)

1. In the production of olefin oxides by catalytic oxidation of low molecular olefins in the gaseous phase with gases comprising oxygen the step which consists in carrying out the oxidation in the presence of metallic silver catalysts which have been precipitated in the form of non-colloidal metallic particles by reducing silver compounds in the liquid phase in the presence of substances having a dispersing action.

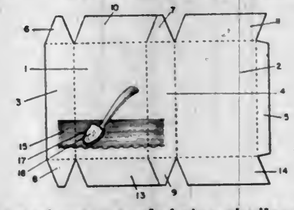
2,245,184
ACCESSORY FOR GARMENT PRESSING IRONS
Thomas Crocella, New York, N. Y.
Application April 11, 1938, Serial No. 201,224
3 Claims. (Cl. 38—30)



1. In a device of the character described, an elevated supporting track, a pressing iron, a trolley longitudinally guided by the track, a laterally flexible contractile spring depending from the trolley, a longitudinally extending hanger bar, flexible attaching elements connected to the opposite ends of the hanger bar and to the pressing iron adjacent the forward and rear portions thereof flexibly connecting the iron to the hanger bar, flexible means connected to the lower end of said contractile spring, and interengageable means provided respectively on the lower end of said flexible means and at longitudinal spaced points of said hanger bar for selectively connecting the flexible means to said hanger bar at longitudinally spaced points for regulating the longitudinal balance of the iron when in active use.

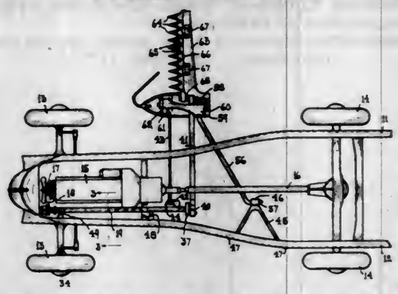
2,245,185
CARTON
Arthur W. Deuble, Canton, Ohio, assignor to The Climalene Company, Canton, Ohio, a corporation of Ohio
Application June 7, 1939, Serial No. 277,855
1 Claim. (Cl. 229—37)

A one piece blank adapted to produce a carton having the configuration of an oblique parallelopiped, said blank comprising a side panel, a front panel, another side panel and a back panel, a lateral glue flap integral with one of said panels, said front and back panels being materially larger than said side panels, a flap integral with each end of each of said panels, the flaps attached to said side panels being similar and trapezoidal in shape and the flaps attached to



said front and rear panels being similar and having the shape solely of a rhomboid, said last named flaps all inclining in the same direction, the trapezoidal flaps being so shaped that, upon folding the blank to form a carton, one edge of one trapezoidal flap, at one end of the carton, will lie along and contact the inner face of the front panel and one edge of the other trapezoidal flap will lie along and contact the inner face of the back panel.

2,245,186
GRASS CUTTER
Wilbur E. Dewey, Omaha, Nebr.
Application August 5, 1939, Serial No. 288,602
4 Claims. (Cl. 56—25)



1. In combination with an automobile provided with front and rear wheels, an internal combustion engine, a shaft housing disposed in approximate parallelism with the crank-shaft of said engine, a shaft in said housing, a driven connection between said crank-shaft and shaft for driving the latter independently of the transmission of the automobile, a clutch for regulating said driving disposed at one end of said shaft, a crank throw at the other end of said shaft, a grass cutter mechanism having a sickle-bar and a shoe disposed between said front and rear wheels and beyond an outer side of the latter, a pitman rod connection between said sickle-bar and crank throw for reciprocating said sickle-bar, a reach-rod disposed between said pitman-rod and said front wheels having ends respectively pivotally connected to said housing and shoe, a support carried by the frame of said automobile between said pitman-rod and said rear wheels, a stay brace rod having ends respectively pivotally connected to said support and shoe, and means for removably securing said housing to the frame of said automobile.

2,245,187
ARROW NOCK
Julius Donash, Chicago, Ill., assignor of one-third to Milton H. Weiss and one-third to Armin Hirsch, both of Chicago, Ill.
Application November 27, 1939, Serial No. 306,262
5 Claims. (Cl. 273—106.5)



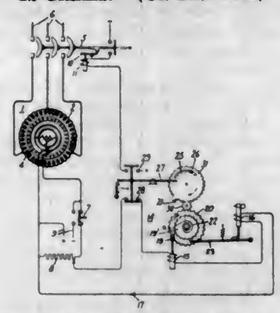
1. An arrow terminating in a pair of leaf springs, each spring being folded inwardly to terminate adjacent the end of the arrow, said leaf springs being arranged within the tubular plane defined by the arrow.

2,245,188
FUSE LINK
Ralph H. Earle, Wauwatosa, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application March 20, 1939, Serial No. 262,932
22 Claims. (Cl. 200—117)



1. A fuse link comprising a terminal, an electrically conductive sleeve secured to said terminal, an insulating sleeve within said conductive sleeve, said sleeves each having diametrically-disposed aperatures coaxial with the apertures of the other sleeve, an insulating pin extending diametrically across said sleeves and disposed in said apertures, a strain wire looped about said pin and disposed within said insulating sleeve, a conductor mechanically connected to said strain wire, and a mechanically weak fusible wire electrically connecting said terminal and conductor, said sleeves, pin, and strain wire preventing mechanical stresses from being transmitted to said fusible wire.

2,245,189
CONTROL SYSTEM FOR ALTERNATING CURRENT MOTORS
Samuel C. Ewing, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application July 18, 1939, Serial No. 285,101
12 Claims. (Cl. 172—274)



1. In combination, an alternating current machine having a primary winding connected to an alternating current circuit and having a secondary winding, a counting device, means for actuating said device in response to each cycle of induced current in said secondary winding, and means responsive to a predetermined number of actuations of said counting device for effecting a predetermined change in the connections of said machine.

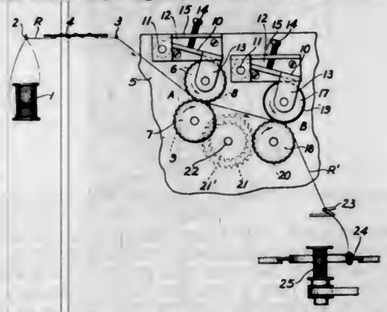
2,245,190
PETROLEUM NITROSULPHONIC ACIDS AND METHOD OF MAKING SAME
William K. Griesinger, Lansdowne, and Bernard Bettman, Cynwyd, Pa., assignors to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application April 6, 1938, Serial No. 200,552
5 Claims. (Cl. 260—504)

1. A water-soluble petroleum carbocyclic nitrosulphonic acid having at least one nuclear side chain substituent containing from 3 to 12 carbon atoms, said acid having a molecular weight of at least 245.

2. In the method of producing a petroleum nitrosulphonic acid compound the steps which comprise treating a petroleum distillate fraction having an initial boiling point of at least 200° F. with sulphuric acid to effect sulphonation of at least a portion of said distillate, separating unreacted distillate from the acid sludge containing water-soluble sulphonic acids resulting from the sulphonation treatment, treating the acid sludge with a nitrating agent to nitrate the sulphonic acids contained in said sludge, and extracting nitrosulphonic acids from the nitration mixture with an organic solvent capable of dissolving said nitrosulphonic acids but incapable of dissolving substantial quantities of the nitration mixture.

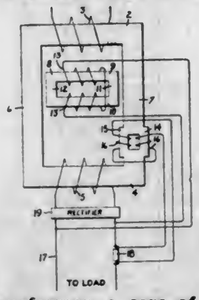
2,245,191
MANUFACTURE OF PUBESCENT YARNS
Edgar G. Guenther and Wendell G. Faw, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 20, 1939, Serial No. 285,572
9 Claims. (Cl. 28—1)

1. A low draft process of producing a synthetic pubescent yarn closely simulating true spun yarn, which comprises converting a strand or roving of continuous filaments to staple lengths by passing the filaments between drafting rolls operating at a draft insufficient to attenuate the majority of the staples throughout their lengths to the breaking points, said draft being such that the average length of the stretch-broken staples produced in the process is appreciably greater than the length of the ratch employed.



7. A synthetic pubescent yarn closely simulating true spun yarn comprising a strand composed of staple fibers, the majority of which have not been attenuated throughout their lengths to the breaking point, each of the fibers of this incompletely attenuated majority having a residual stretch which varies progressively from one end of the fiber length to the other.

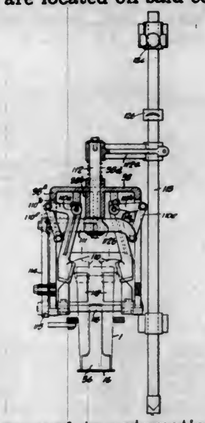
2,245,192
ELECTROMAGNETIC CONTROLLER
Hans Gugel, Berlin-Oberschoneweide, Germany, assignor to General Electric Company, a corporation of New York
Application October 14, 1938, Serial No. 234,995
In Germany February 19, 1938
14 Claims. (Cl. 171—119)



1. In a transformer, a core of magnetic material, a primary winding thereon, a secondary winding thereon, means for varying the reluctance of said core, a leakage path for part of the core flux, and means for varying the reluctance of said leakage path.

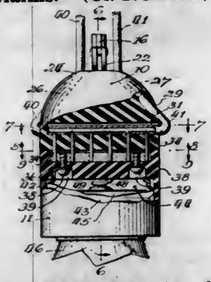
2,245,193
MACHINE FOR SHAPING CARTONS
Carl Wilhelm Hartmann, Lyngby, near Copenhagen, Denmark, assignor to Satona Limited, Edinburgh, Scotland
Application April 27, 1940, Serial No. 332,031
In Great Britain May 24, 1939
9 Claims. (Cl. 93—53)

1. Apparatus for pre-folding or creasing the scored mouth ends of cartons comprising a conveyor for the cartons, pinching members above the conveyor adapted to be automatically pressed against opposite sides of the carton tops when the cartons are located on said conveyor beneath



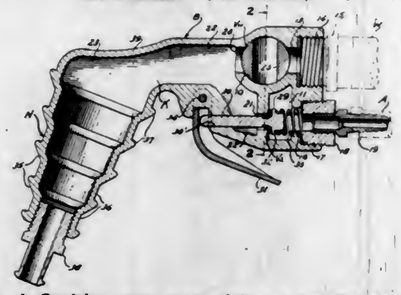
said members, and to automatically become disengaged from the cartons to allow of intermittent conveying movement of the conveyor, and means adapted to operate against the exterior of the carton to sustain the walls of the cartons against collapse during the pressing operation.

2,245,194
ELECTRIC LAMP RECEPTACLE
Joseph J. Hollander, Chicago, Ill.
Application January 27, 1939, Serial No. 253,041
3 Claims. (Cl. 173—340)



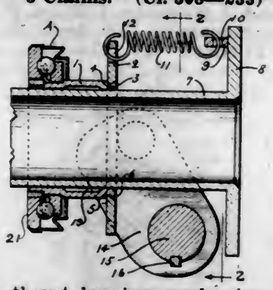
1. In a device of the character described, an upper body portion and a lower body portion, said lower body portion being provided with contacting means for contacting electrical devices associated therewith, piercing means electrically connected with said contacting means, said piercing means comprising a plurality of pointed members spaced from one another set into said lower body portion and protruding from the upper end thereof, said upper portion being provided with means for the insertion of wires therein and means for causing the piercing means of said lower body member to enter said upper body member and pierce said wires, said means comprising a plurality of tubules formed in said upper body portion and adapted to receive said pointed members, said means for insertion of said wires consisting substantially of two channels for each wire, said channels being disposed at an angle with one another to remove strain from said piercing means, and means for maintaining said body members in cooperative relation.

2,245,195
COOLING SYSTEM FLUSHING GUN
Howe H. Hopkins, Detroit, Mich., assignor to National Carbon Company, Inc., a corporation of New York
Application May 7, 1936, Serial No. 78,314
10 Claims. (Cl. 141—1)



1. A flushing gun comprising a handle, and a nozzle communicating at the top portion with said handle and being disposed at substantially a right angle with respect thereto, said nozzle and handle being joined by a neck having a concave wall substantially covering the top of said nozzle.

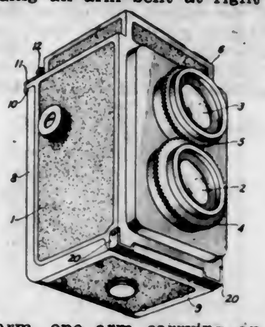
2,245,196
THRUST FLANGE FOR ANTIFRICTION BEARINGS
Walter E. Horrocks, Lakewood, Ohio
Application May 1, 1939, Serial No. 270,966
3 Claims. (Cl. 308—233)



1. In a thrust bearing mechanism, the combination of a pair of bracket elements secured to and co-axially spaced on a retractive shaft member, thrust elements secured to said brackets and means providing a unitary thrust flange between said brackets and in contact with said thrust elements comprising a flat plate member having diametrically parallel sides in line contact with said brackets and being secured to the slideable sleeve of an antifriction bearing substantially as described.

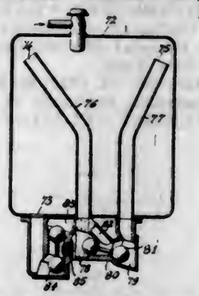
2,245,197
HINGE LATCH STRUCTURE
Carter J. Hughey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 17, 1940, Serial No. 330,138
3 Claims. (Cl. 16—177)

1. In a hinge connection, in combination, a pair of hinged members carrying hinge knuckles positioned to be axially engaged, a hingle pintle carried by the hingle knuckle of one member, said hinge pintle projecting from each end of the knuckle into a position to be engaged by the hingle knuckles carried by the other member, the said hinge knuckles carried by the last named member including slots, latch members pivoted adjacent the slotted hinge knuckles to swing transversely thereof, said latch members each including an arm bent at right angles to



a second arm, one arm carrying an inwardly formed flange positioned to swing between the hinge knuckle carrying the pintle and a slotted knuckle and into a position for frictionally engaging a projecting end of the pintle to hold said pintle in said slot.

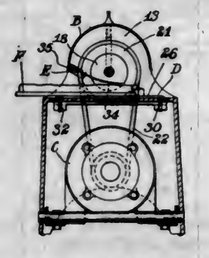
2,245,198
OIL TANK
Frank B. Hunter, Wyckoff, Francis J. Wiegand, Midland Park, and Kenneth M. Lane, Ridgewood, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York
Application October 18, 1938, Serial No. 235,576
9 Claims. (Cl. 137—21)



1. In a tiltable tank having a plurality of spaced apart openings, a first valve unit connected to two of said openings and selectively operable by gravity to close one or the other opening, a second valve unit open to the first unit and to another tank opening, and an outlet conduit, said second valve unit being selectively operable by gravity to close said third tank opening or said first valve unit from the outlet conduit.

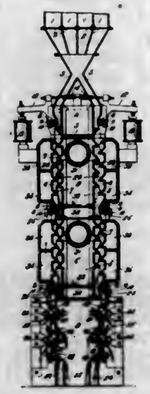
2,245,199
ELECTRIC AND HAND POWER DICER
Aldrich L. Jackson, Minneapolis, Minn., assignor to Federal Engineering Company, Minneapolis, Minn., a copartnership composed of Aldrich L. Jackson and Victor Delegard
Application October 9, 1935, Serial No. 44,193
8 Claims. (Cl. 17—27)

2. A slasher including a table, standards projecting up from the ends of said table, a shaft adapted to be rotatably supported by said standards, means for operating said shaft, a series of slashing knives supported on said shaft, means for spacing said knives apart, an arcuated guard head extending over said knives supported by said standards, a removable spring finger scraper assembly, an adjustable track assembly extending



under said knives, said track including spaced parallel bars connected together at opposite ends, and means adjustably supporting said ends, and a disc feed plate for receiving the article to be slashed adapted to slide on said track assembly.

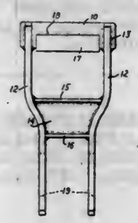
2,245,200
APPARATUS AND METHOD FOR CONDITIONING MATERIALS FOR ELECTROSTATIC SEPARATION
Fred R. Johnson, Buffalo, N. Y.
Application July 24, 1937, Serial No. 155,495
4 Claims. (Cl. 209—9)



1. An apparatus for conditioning materials for electrostatic separation, comprising a centrally-disposed heating chamber, conditioning chambers disposed at opposite sides of and in heat-conductive relation to said heating chamber, and each having an inlet at one end for the material to be treated and a discharge at its opposite end, jackets surrounding the outer walls of said conditioning chambers and in heat-communicating relation with said heating chamber, those walls of the conditioning chamber exposed to the heating chamber being ribbed in staggered fashion to provide baffles extending into said conditioning chambers, and ported tubes in said conditioning chambers and in juxtaposition to that wall thereof adjoining said heating chamber for heating and introducing a fluid reagent into said conditioning chambers for intimate contact with the material as it passes from the inlet to the discharge end of such chambers.

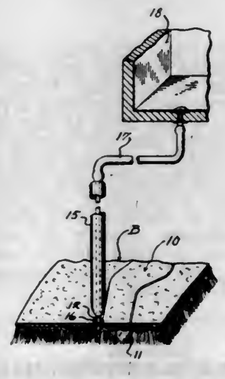
3. The method of concentrating minerals containing fluorspar which comprises treating the particles with an acid of the cresyl radical to render the particles selectively susceptible to an electric field, and then passing the treated particles through such field to cause the fluorspar particles to segregate and to be removed from the remaining constituents.

2,245,201
RAILWAY SPRING HANGER
Ole K. Kjolseth, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application February 13, 1940, Serial No. 318,765
5 Claims. (Cl. 267—54)



1. A railway vehicle spring hanger including a cross pin, and a pair of side bars each having an aperture adjacent an end thereof fitted over said pin and welded thereto one adjacent each end of said pin, said bars being formed adjacent the other end thereof for providing a support.

2,245,202
METHOD OF APPLYING INSERTS IN PILE MATERIALS
Samuel H. Krasno, Milwaukee, Wis., assignor to Krasno Bros. Glove & Mitten Co., Milwaukee, Wis.
Application January 8, 1940, Serial No. 313,021
4 Claims. (Cl. 41—35)



3. The method of producing an ornamental material having a pile, which consists in, first, cutting out a desired design from the body of the material; second, snugly inserting an inlay conforming to the cut-out portion in said body, so that the edges of the inlay will snugly engage the edges of the cut-out portion; and, third, spreading said abutting edges and applying adhesive simultaneously to the edges and to the bases of the pile of the inlay and body, and to the inner face of the inlay and body on opposite sides of said meeting edges.

2,245,203

MANUFACTURE OF MOLDED COMPOSITIONS FOR BRAKE LININGS OR SIMILAR ARTICLES

Joseph N. Kuxmick, Clifton, N. J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey

No Drawing. Application July 2, 1940, Serial No. 343,551
6 Claims. (Cl. 260—9)

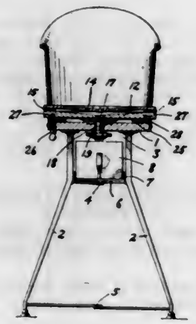
1. The process of making molded composition friction or tractive-surface bodies, which consists in mixing asbestos fibres, a heat-convertible potentially reactive synthetic resin, and an ester of sugar to produce a relatively dry mass or mix, and in then molding the said mass or mix and heat-hardening the same to produce a molded body of friction material.

2,245,204

HIGH CHAIR

Peter J. La Plante, Duluth, Minn.

Application October 12, 1939, Serial No. 299,119
3 Claims. (Cl. 155—31)



1. A child's high chair comprising a supporting leg structure defining an open area at the upper end thereof, said leg structure being provided with means for removably supporting a receptacle within said area, a seat fixed to the upper end of said leg structure, said seat having an axial opening therethrough, a dished seat rotatably supported upon said fixed seat and provided with a central opening, a discharge tube secured to said dished seat in registry with the opening therein and projecting through the opening in said fixed seat and rotatable therein, and a pervious seat above said dished seat carried by and secured to said dished seat.

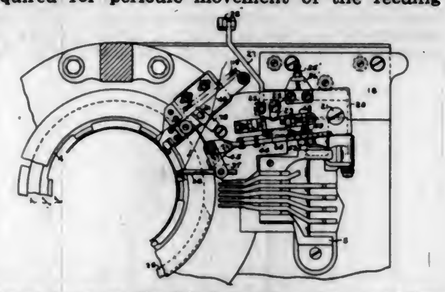
2,245,205

YARN BINDER FOR KNITTING MACHINES

Robert H. Lawson, Pawtucket, and Augustin Gagné, Central Falls, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application October 3, 1938, Serial No. 232,928
8 Claims. (Cl. 66—134)

1. In a knitting machine the combination of yarn feeding means and a binder and cutter, means for periodically actuating said yarn feeding means and other means for operating the binder and cutter, said means for actuating the yarn feeding means also being movable selectively throughout a range greater than that normally required for periodic movement of the feeding



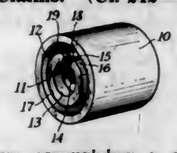
means to cause the binder and cutter operating means to become ineffective.

2,245,206

PHOTOGRAPHIC FILM CORE

Aloysius E. Lechleitner, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application November 4, 1939, Serial No. 302,910
5 Claims. (Cl. 242—71)



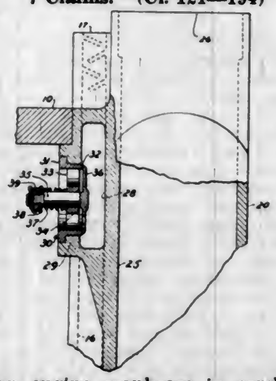
1. A film core comprising a cylindrical body composed of a moldable plastic composition and having a pair of annular end portions and provided with an annular groove therebetween, and a spring member having a circular portion within said annular groove resiliently gripping one of said annular end portions and having a projection extending beyond the end of said body and annular end portions for engagement with a clutch member.

2,245,207

CRANKCASE BREATHER

Wilton G. Lundquist, Glen Rock, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York

Application December 9, 1939, Serial No. 308,440
7 Claims. (Cl. 121—194)



1. In an engine crankcase in combination, a sump at the bottom thereof into which oil and vapors pass and having an oil outlet and a breathing outlet, a normal breathing conduit extending from the breathing outlet and opening to the atmosphere at an elevated part of the engine, and a spring-loaded valve in an elevated part of the crankcase above the sump opening to the atmosphere to relieve crankcase pressure should the sump breathing outlet be immersed in oil.

2,245,208

PROCESS OF PREPARING MIXED ESTERS OF CELLULOSE CONTAINING DICARBOXYLIC ACID GROUPS

Carl J. Malm and Carlton Lee Crane, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application October 29, 1938, Serial No. 237,762
4 Claims. (Cl. 260—225)

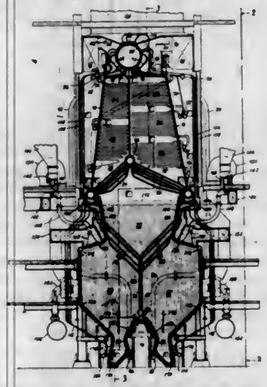
1. The process of preparing a cellulose ester containing acetyl and dicarboxylic acid groups, which comprises subjecting cellulose having a cuprammonium viscosity of 10–50 C. P. S. to a swelling treatment, esterifying the swollen cellulose containing substantially no moisture with a mixture essentially consisting of acetic anhydride, a dicarboxylic acid anhydride, a tertiary organic base and methyl ethyl ketone.

2,245,209

FLUID HEAT EXCHANGE APPARATUS

Dana H. N. Mayo, Ridgewood, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application January 31, 1936, Serial No. 61,704
21 Claims. (Cl. 122—235)



19. A steam generator comprising, in combination, a plurality of combustion chambers, a partition including baffle tube sections between adjacent combustion chambers, a gas radiation chamber leading from the outlets of said combustion chambers, and means for directing furnace gases from the radiation chamber in two independent paths over an economizer section in one instance and a superheater section and another economizer section in the other instance.

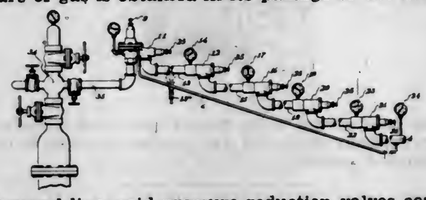
2,245,210

BACK PRESSURE VALVE SYSTEM

Clayton B. McElwaine, Tulsa, Okla., assignor of fifty-one per cent to Henry N. Greis, Tulsa, Okla.

Application January 28, 1938, Serial No. 187,525
1 Claim. (Cl. 48—191)

A gas pressure reducing device comprising a diaphragm controlled regulator valve carried by a Christmas tree mounted on a well casing and through which gas under pressure passes directly to a demand main line, a by-pass pipe forming a direct connection between the demand main line and the regulator valve, of a plurality of spaced pressure reduction valves carried by the main line and forming a direct connection between the demand line and regulator, said reduction valves having pipe connections with each other and with the demand pipe line on the down stream side thereof and through which the gas from the regulator passes and forming means, whereby a step by step reduction of pressure and temperature of gas is obtained in its passage to the main



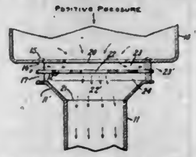
demand line, said pressure reduction valves comprising casings, plungers slidably mounted within said casings, and controlling the flow of gas from the high to the low pressure sides thereof, expansion springs for normally seating the valves in the direct connection, means for varying the tension of the expansion springs, whereby the regulator valves will close at predetermined pressures and means for admitting pressure from the down stream side of each of the valves to supplement the spring action on the plungers.

2,245,211

FLUID DYNAMIC CONTROL

Kenton D. McMahan, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 14, 1937, Serial No. 159,137
5 Claims. (Cl. 137—111)



3. In fluid flow apparatus including a conduit in operative association with said apparatus and so related to said apparatus as to have a fluid flow in one direction developed therein resulting from the operation of said apparatus, the combination of wall means so arranged that under certain conditions of operation of the apparatus an injector action is effected tending to produce a flow through said conduit in the opposite direction.

2,245,212

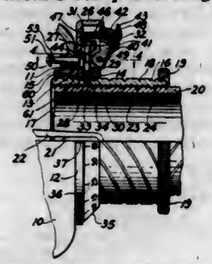
FOCUSING MECHANISM FOR CAMERAS

Joseph Mihalyi and Robert F. Blattner, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 3, 1939, Serial No. 288,180
19 Claims. (Cl. 95—45)

1. In a photographic camera the combination of a camera body, a focusing member movably mounted on said camera body, a focusing lens mount telescopically mounted relative to said focusing member to move into and out of said camera body between retracted and extended positions, respectively, and including a focusing sleeve adapted to be moved for focusing said mount, a releasable means for connecting said focusing sleeve to said focusing member whereby the former is adapted to be moved by the latter

for focusing purposes, means normally acting on said releasable means to move it to an inoperative position, and means for preventing said releas-



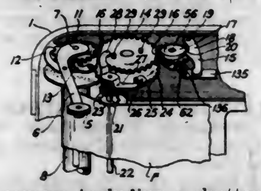
able means from being moved from said inoperative position until said lens mount is moved to its extended position.

2,245,213

DOUBLE EXPOSURE PREVENTION DEVICE

Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application October 5, 1939, Serial No. 298,108
11 Claims. (Cl. 95—31)



2. In a camera including a shutter of the setting type and means for supporting a roll of film, the combination of a shutter setting member, with a mounting on which said setting member may move to tension a shutter spring, a film winding handle for turning a film spool to wind convolutions of film thereon, connections between the winding handle and setting member comprising at least two gears, a third mutilated gear rotatably mounted between the two gears for connecting and disconnecting the two gears, means including the winding handle and the gears for winding film and setting the camera shutter by transmitting a predetermined movement from the handle to the setting member by turning the gears until disconnected by the mutilated gear, means for latching the shutter setting member when moved to a set position by the gearing, and means operable by the film for connecting the film winding handle to the latched shutter setting member after a predetermined film area has been wound into position for exposure by turning the mutilated gear to connect the two gears, whereby the winding operation is automatically halted.

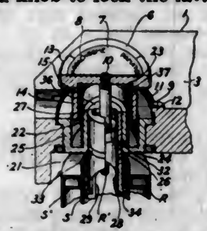
2,245,214

CAMERA FILM WIND

Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application October 21, 1939, Serial No. 300,641
15 Claims. (Cl. 242—71)

15. In a roll film camera, the combination with a camera body, a film rewind knob rotatably mounted on said body, a film indicating plate carried by said knob and movable as a unit therewith, means for mounting said knob for axial movement toward and away from said body, latch means adapted to engage said knob to retain the latter against said axial movement, and means adapted to engage said knob to lock the latter against ro-



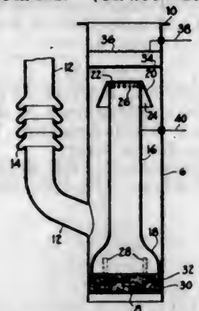
tation and to cooperate with said plate to indicate the type of film in said camera.

2,245,215

HIGH VACUUM

Richard S. Morse, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware

Application September 29, 1939, Serial No. 297,146
5 Claims. (Cl. 230—101)



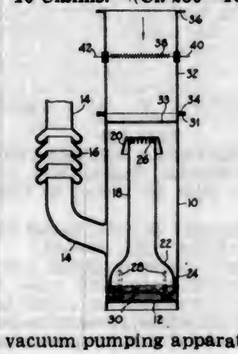
1. In a high vacuum vapor jet or condensation pump the improvement which comprises means for applying an electrical charge to pump fluid vapors which pass in a direction opposite to that in which gases are pumped, and means positioned in the high vacuum or intake end of the pump adapted to receive an electrical charge opposite to that of the pump fluid vapors whereby during operation, reverse flowing, charged vapors are attracted to said last named oppositely charged means and condensed.

2,245,216

VACUUM APPARATUS

Richard S. Morse, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware

Application October 11, 1939, Serial No. 298,952
10 Claims. (Cl. 230—101)



1. High vacuum pumping apparatus comprising

in combination, a condensation pump and means located at the intake side thereof for heating vapors during operation of the pump, which vapors, during operation, pass from the pump in a direction opposite to that in which gases being pumped are moving.

2,245,217

PRECIPITATION OF METALS FROM SOLUTIONS

Kenneth S. Mowlds, Baltimore, Md., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application August 2, 1940, Serial No. 350,060
27 Claims. (Cl. 75—109)

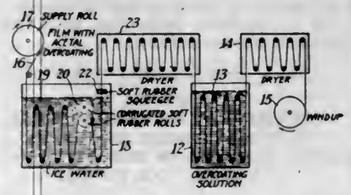
1. The process of precipitating metals from hydro-metallurgical solutions which comprises adding to the hydro-metallic solution a comminuted metallic precipitant for the metal it is desired to precipitate and a water soluble wetting agent for the precipitant which is not coagulated by said hydro-metallurgical solutions, and precipitating the desired metal.

2,245,218

WATER-SOLUBLE PHOTOGRAPHIC COATING

Thomas F. Murray, Jr., and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application July 27, 1938, Serial No. 221,579
8 Claims. (Cl. 91—69)



8. The method of protecting a finished photographic film against abrasion, which comprises coating the film after developing and fixing and when containing a visible photographic image in a gelatin layer which can be softened by hot water but not by cold water, with a transparent protective layer consisting of a polyvinyl acetal resin soluble in water at a temperature of about 0° C. removing said coating after it has become abraded, by dissolving it in water at a temperature which does not appreciably soften said gelatin layer, and recoating said film with a protective layer.

2,245,219

ETCHING MATERIAL

Alexander Murray, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application April 27, 1940, Serial No. 332,076
4 Claims. (Cl. 41—42)

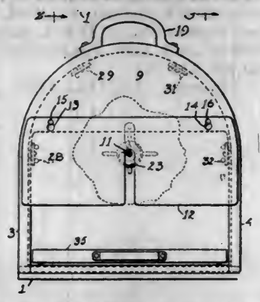
1. An etching solution containing about 95 parts of a 20 per cent by weight cupric sulphate $CuSO_4 5H_2O$ solution, 5 parts of a 35 per cent by weight niter cake solution, and a trace of material for reducing surface adhesion.

2,245,220

BARBECUE APPARATUS

Daniel G. Nelson, Chicago, Ill.

Application July 8, 1938, Serial No. 218,237
15 Claims. (Cl. 219—35)



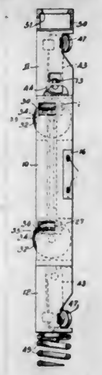
3. A barbecue apparatus comprising an elongated chamber having insulated side and top walls and an insulated wall at one end, all of said walls being joined and imperforate to exclude air, a spit extending longitudinally of the chamber centrally thereof, means for rotating the spit, longitudinally extending electrical heating elements arranged on the chamber ceiling above and on the side walls laterally of the spit, the opposite end of the chamber being substantially closed by a heat reflecting baffle extending from the ceiling of the chamber downwardly to a level approximating the lowest expected level of the lowermost portion of a roast supported on the spit, the last said end of the chamber being open below said baffle to an extent sufficient for the free escape of excess vapors from said chamber.

2,245,221

DEVICE FOR MEASURING DRILL PIPE

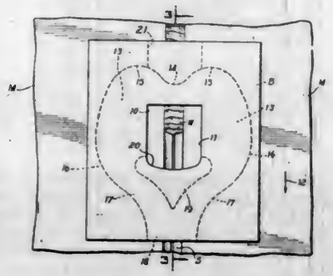
Thomas T. Nudson, Long Beach, and Walter A. Abegg, Vernon, Calif., assignors to Abegg & Reinhold Co. Ltd., Vernon, Calif., a corporation of California

Application July 1, 1940, Serial No. 343,344
9 Claims. (Cl. 33—141)



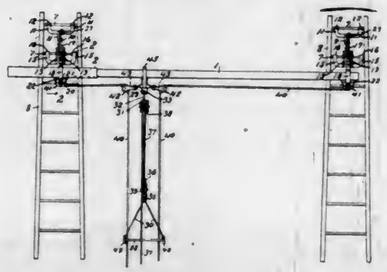
1. A measuring device comprising a member movable lengthwise of a well pipe under tension in a well, and in contact therewith within drilling fluid, and means for registering such movement in lineal feet, said member having a fluid tight pressure chamber in which said registering means is disposed and operates, and also having means whereby the registering means may be read without disturbing the pressure chamber.

2,245,222
METHOD OF WELDING
Casin W. Obert, Mount Vernon, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Original application February 17, 1938, Serial No. 711,660, now Patent No. 2,123,612, dated July 12, 1938. Divided and this application June 14, 1938, Serial No. 213,567
2 Claims. (Cl. 113—112)



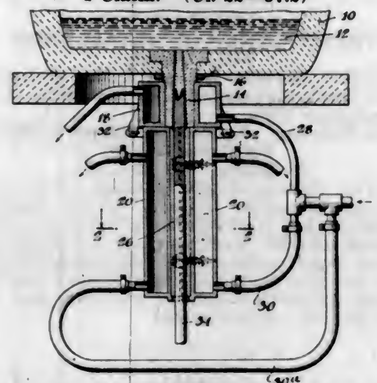
1. A method of fusion welding metal members together, comprising applying a high temperature heating flame to successive regions thereof and at an angle thereto; confining radiant heat to a restricted area adjacent the region of heat application; reradiating radiant heat in said area into the region of heat application; dividing heated gases in the region of heat application into two streams; reversing the direction of flow and directing said two streams around and alongside said region of heat application on opposite sides thereof; after said two streams have passed said region, merging said two streams into a single stream; and directing said single stream over a portion of the seam to be welded so as to preheat the same.

2,245,223
PORTABLE SCAFFOLD
Thomas W. O'Meara, St. Joseph, Mo.
Application October 19, 1939, Serial No. 300,193
9 Claims. (Cl. 304—17)



1. In a portable scaffold, a track, two ladder jack, each having means adapted to engage with and to be supported by a ladder, and each having clomping means embracing and supporting said track, one of said jacks being adjustable on said track toward and from the other jack, a seat, a carriage supported by and adapted for travel on said track, and means supporting said seat and supported by said carriage.

2,245,224
APPARATUS FOR CONTINUOUSLY CASTING METALS
Frank F. Poland, Highland Park, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application September 3, 1938, Serial No. 228,263
1 Claim. (Cl. 22—57.2)



Apparatus for continuously casting metal comprising a receptacle for molten metal, a mold mounted in said receptacle, a unitary cooling jacket surrounding said mold, and a multiple-sectioned cooling jacket having its sections yieldably interconnected and self-adjusting with respect to the shape of solidified metal passed therethrough, characterized in that the walls of each of said sections define a passageway for the circulation of cooling fluid through the section out of contact with the solidified metal passing through the jacket.

2,245,225
METHOD OF COATING METAL
Robert F. Renkin, Sharon, Pa.
Application December 14, 1939, Serial No. 309,224
12 Claims. (Cl. 91—70.3)



5. A method of coating steel which includes preheating the steel to about 1000° F., subjecting the steel to a heated controlled active atmosphere at about 1200° F. containing chlorine, passing the steel through a separate liquid flux solution of zinc ammonium chloride containing 0.5% to 1.0% nickelous chloride and 0.5% to 1.0% aluminum chloride, and then passing the steel through a molten galvanizing bath of pure zinc with an addition of from .06% to .1% aluminum and maintained at an approximate temperature of from 800° F. to 840° F.

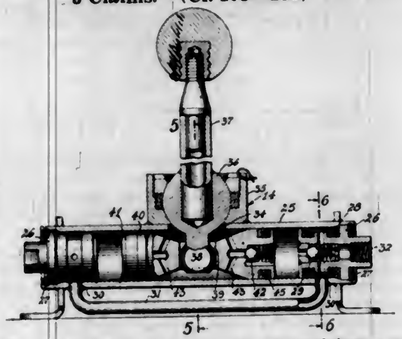
2,245,226
METHOD OF COATING METAL
Robert F. Renkin, Sharon, Pa.
Application January 23, 1940, Serial No. 315,185
18 Claims. (Cl. 91—70.3)

1. A method of coating ferrous metal which includes subjecting the metal to a dry pickling treatment, passing the metal through a separate liquid flux solution of zinc ammonium chloride containing nickelous chloride, electrolyzing the flux during the passage of the metal therethrough by passing an electric current through the flux with the metal acting as the anode, and



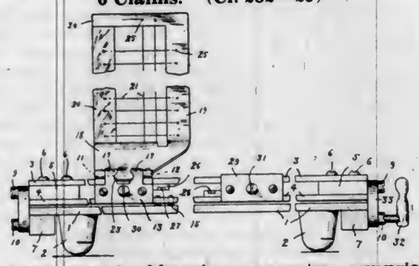
then passing the metal through a molten galvanizing bath of pure zinc containing a small amount of aluminum.

2,245,227
HYDRAULIC PUMP AND VALVE
Peter F. Rossmann, Kenmore, N. Y., assignor to Curtiss Wright Corporation, a corporation of Delaware
Application December 15, 1937, Serial No. 179,884
3 Claims. (Cl. 103—185)



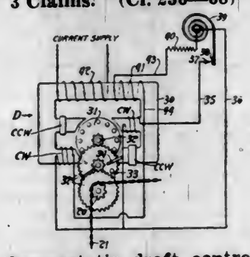
1. In a hydraulic pump unit comprising a cylinder having a piston reciprocable therein, the cylinder bore including similarly formed ends each having an annular shoulder toward the end and an annular groove between the shoulder and the end, a pump exit connection plug rotationally free in the bore and having an annular groove, the lands bordering the groove respectively engaging the cylinder bore and the annular shoulder, a snap ring engaging the cylinder groove locating said plug against axial displacement, opposed toroidal packings in said plug groove sealing against leakage between the plug and cylinder, said plug having an axial drilling and radial drillings communicating therewith, the radial drillings opening to the plug groove between said packings, and a conduit secured at its ends to the cylinder ends and opening to respective plug grooves.

2,245,228
MANUAL BOOKKEEPING APPARATUS
John E. Rosso, Virginia, Minn.
Application May 24, 1940, Serial No. 337,016
6 Claims. (Cl. 282—29)



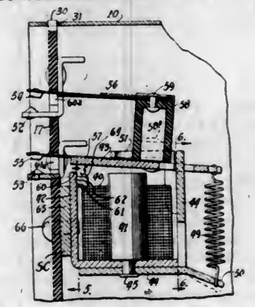
1. Manual bookkeeping apparatus comprising in combination a backing board to receive a plurality of separate loose-leaf blank bookkeeping forms perforated along one edge, a row of pegs carried by said board to receive the perforated side of said forms and hold same in predetermined relationship to other forms on the board, a movable clamping bar attached to said board and engageable with said forms upon one side of said pegs, and a combined column and line guide slidably supported by said clamp bar for designating on the other side of said pegs a space in which an entry may be made on any or all of said forms, said column and line guide being arched to extend over said pegs so that it may be moved without contacting said pegs, and including a plurality of spaced intersecting flexible wires between which indicia may be manually placed on said forms.

2,245,229
THERMOSTATIC DRAFT CONTROL SYSTEM
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application August 7, 1939, Serial No. 288,838
3 Claims. (Cl. 236—68)



1. In a thermostatic draft control system, a damper motor having a stator, a rotor and a shading coil for effecting rotation of said rotor in one direction when the circuit of said shading coil is completed, a room thermostat having a pair of contacts included in said circuit, an anticipating heater for said room thermostat effective to reduce the temperature to which the room thermostat responds when the heater is in operation and means for energizing said heater comprising a coil on said stator and connected with said heater through said contacts.

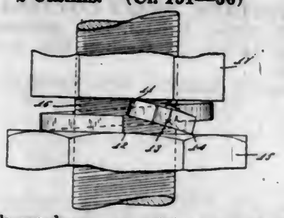
2,245,230
RELAY
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Original application September 11, 1939, Serial No. 294,408. Divided and this application April 8, 1940, Serial No. 328,529
13 Claims. (Cl. 200—91)



1. In a relay structure, a panel, an electro-

magnetic coil mounted on the back of said panel, said panel having openings therein, contact springs of said relay extending forwardly through said openings to the front of said panel, cooperating stationary contacts mounted on said front of said panel, a magnetic frame for said coil, an armature, for attraction by said coil, a shading coil for said magnetic frame, said shading coil being interposed between said frame and said panel and thereby constituting means to space the frame from the panel and common means for securing said shading coil, frame and panel assembled.

2,245,231
LOCK NUT
George Tillman Sheley, Indianapolis, Ind.
Application May 22, 1939, Serial No. 274,950
2 Claims. (Cl. 151—36)



1. A lock-washer comprising a radially-split spring annulus of uniform thickness the substantially radial tips of which face each other and one tip being widened outwardly into an integral tongue projecting angularly outwardly away from the radially-outer ends of both of said tips, said widened tip being warped substantially about a radius of the annulus medially of the circumferential extent of the widened portion so as to project its radial end above the general plane of the annulus and the free end of the tongue below the general plane of the annulus, whereby the said widened tip and free tongue end may be simultaneously engaged by opposing clamping members.

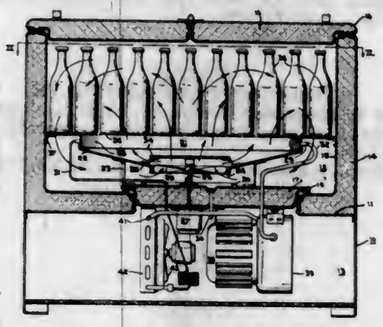
2,245,232
POLYVINYL ACETAL RESIN COMPOSITIONS CONTAINING THE BUTYL ETHER OF DIETHYLENE GLYCOL SUCCINATE
Henry B. Smith, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application January 24, 1939, Serial No. 252,619
2 Claims. (Cl. 260—36)

1. A transparent, rubbery sheet comprising 100 parts of a polyvinyl acetal resin in which a predominating proportion of the acetal groups are butyraldehyde acetal groups, and at least 40 parts, approximately, of the butyl ether of diethylene glycol succinate as an elasticizer therefor.

2,245,233
CELLULOSE DERIVATIVE COMPOSITIONS CONTAINING BUTYL BUTOXYACETATE
Henry B. Smith, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 18, 1939, Serial No. 300,036
5 Claims. (Cl. 106—40)

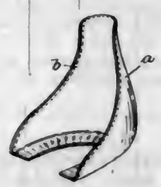
1. A composition of matter containing a cellulose derivative selected from the group consisting of cellulose ethers and cellulose organic acid esters, and butyl butoxyacetate as a plasticizer therefor.

2,245,234
COOLER FOR BOTTLED BEVERAGES
Elo C. Tanner, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 19, 1938, Serial No. 235,734
6 Claims. (Cl. 62—102)



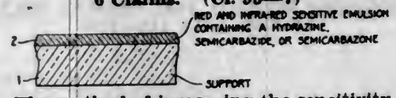
1. In a dry cooler for packaged beverages and the like, the combination of an insulated chamber, a foraminated metal false bottom therein having a central portion and a border portion, a metallic cooling unit below and in contact with the central portion of said false bottom, said cooling unit having vertical air passages therein, and means for circulating the air in said cabinet through said air passages and through the foraminations in the false bottom above said cooling unit, said air returning through the foraminations at the border portion of the false bottom.

2,245,235
METHOD OF MAKING SHOE PARTS
Charles A. Thurston, Haverhill, Mass., assignor to John W. Herlihy, Wm. W. Herlihy, and John J. Herlihy, all of Haverhill, Mass., doing business as Lowell Counter Co., Lowell, Mass.
Application April 6, 1937, Serial No. 135,255
3 Claims. (Cl. 12—146)



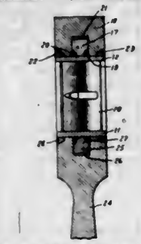
2. That improvement in the art of pre-molding a plurality of shoe upper materials into final finished form, with a finished edge along the top and an attaching flange along the bottom, independently of lasting operations, which consists in cutting the outer shoe upper layer, a lining layer, and an intermediate stiffening layer into substantially uniform contour and area, thereupon uniting said layers with adhesive while flat, then simultaneously stitching and trimming the top edge portions of said plurality of united shoe upper layers while still flat, and thereupon pre-molding the united and trimmed plurality of layers into final finished form, with an attaching flange inturned on the unstitched bottom edge, said flange incorporating all three of said layers.

2,245,236
METHOD OF INCREASING INFRARED SENSITIVITY
Adrian P. H. Trivelli and Burt H. Carroll, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 28, 1939, Serial No. 270,588
6 Claims. (Cl. 95—7)



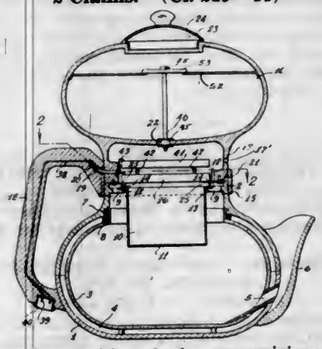
1. The method of increasing the sensitivity and stability of a silver halide emulsion sensitized with a polymethine-cyanine dye containing at least seven carbon atoms between two cyanine nitrogen atoms and sensitizing to the red and infra-red regions of the spectrum, which comprises mixing therewith prior to coating an amino compound selected from the group consisting of hydrazines, semicarbazides, and semicarbazones.

2,245,237
ELASTIC FLUID TURBINE DIAPHRAGM
George O. Truex, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 13, 1939, Serial No. 309,006
3 Claims. (Cl. 253—78)



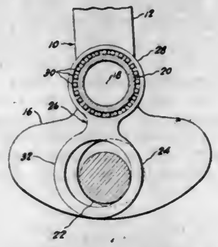
1. Elastic fluid turbine diaphragm comprising a nozzle structure with a plurality of partitions and an inner and an outer band connecting the ends of the partitions, a disk secured to the inner band, a ring welded to a central portion of the outer band and another ring with a groove engaging opposite sides of the first-mentioned ring and welded to outer portions of the outer band.

2,245,238
COFFEE MAKING DEVICE
Application May 1, 1939, Serial No. 271,075
Glenn W. Watson, Detroit, Mich.
2 Claims. (Cl. 219—44)



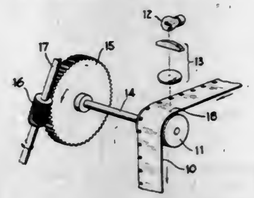
1. A coffee making device comprising a receptacle for coffee solution, a perforated receptacle for ground coffee suspended therein, a water vessel mounted on the first receptacle and above the second receptacle, and an electric element for heating water and generating steam carried by said vessel below its bottom, said element being adapted to close its circuit through a water film thereon, said bottom being perforated over said element, a handle carried by the first receptacle and having conductive sockets comprised in an electric circuit, and contact fingers carried by said element and adapted for insertion in said sockets, to connect said element into the circuit and to retain said vessel in operative position on the first receptacle.

2,245,239
DYNAMIC VIBRATION DAMPER
George L. Williams, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application April 29, 1939, Serial No. 270,879
12 Claims. (Cl. 74—604)



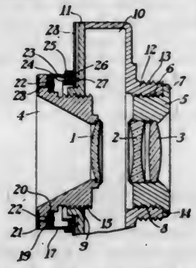
1. An engine vibration damper comprising a rotatable driving member constituting an element of said engine, a driven member supported by said driving member for rotation relative to said driving member about the axis of said driving member, and a centrifugal coupling between said driving member and said driven member, said coupling and said driven member being proportioned to suppress a particular low order torsional vibration of said engine.

2,245,240
SOUND MOTION PICTURE APPARATUS
Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 19, 1938, Serial No. 274,656
4 Claims. (Cl. 271—2.3)



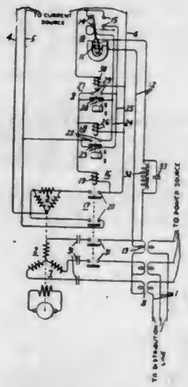
1. A device for providing uniform film motion in sound motion picture apparatus comprising means in contact with the film for advancing it, means including a disc gear for driving the film advancing means and a worm in mesh with the disc gear for driving the latter, said worm rotating in a plane at an acute angle with the disc gear.

2,245,241
LENS MOUNT AND METHOD OF ASSEMBLING THE SAME
Donald L. Wood, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 12, 1939, Serial No. 250,587
6 Claims. (Cl. 88—57)



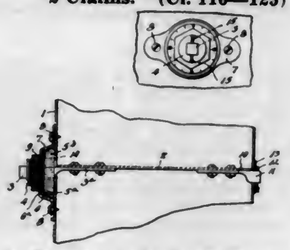
1. A mount for focusing objectives comprising a barrel having spaced threaded areas in axial alignment, a pair of lens cells having direct threaded engagement with the threaded areas of the lens mount, one of said cells being adjustable axially relative to said mount and said other cell, an annular member formed with an inwardly extending radial flange and carrying a focusing scale, a slideway on said adjustable lens cell adapted to receive said flange and means carried by the lens cell adjacent the slideway for holding the flange in a fixed position in its slideway.

2,245,242
CARRIER CURRENT CONTROL TRANSMITTER SYSTEM
John L. Woodworth, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 1, 1940, Serial No. 338,362
6 Claims. (Cl. 171—97)



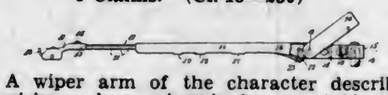
6. A carrier-current system including at least two electric distribution lines, means for generating said carrier-current, means for impressing said current upon said lines, switch means responsive to a load condition on said lines, switch means adapted in cooperation with said load responsive means to initiate and to time the supplying of carrier-current from said generating means to said distribution lines in succession, and switch means operatively associated with said load responsive switch means to prevent said initiation and timing of the supplying of carrier current until after a predetermined time interval.

2,245,243
DAMPER OR VALVE OPERATING MECHANISM
Emil O. Young, Cleveland, Ohio
Application August 11, 1938, Serial No. 224,363
2 Claims. (Cl. 116—125)



1. In a damper control mechanism, in combination, a supporting plate, an adjusting and holding member comprising a sleeve and a holding disc, said supporting plate and disc being formed with serrated surfaces adapted to be moved into cooperating engagement to interlock the disc and supporting plate against movement relative to each other when so engaged, a damper connected with the adjusting and holding member so as to turn only therewith, a part for moving the adjusting and holding member to cause said serrated surfaces to be engaged with one another to interlock said disc and plate to prevent unauthorized movement of the damper, and spring means intermediate the said disc and the said supporting plate for separating the serrated surfaces thereof when the said part is loosened to release the interlock between said plate and disc.

2,245,244
WINDSHIELD WIPER ARM
Max Zaiger, Swampscott, Mass.
Application August 1, 1940, Serial No. 349,139
5 Claims. (Cl. 15—250)

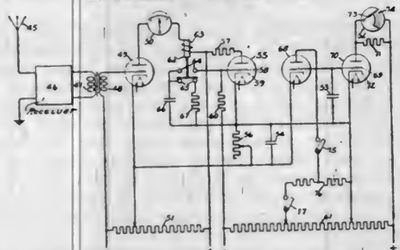


1. A wiper arm of the character described, comprising a bar, a terminal connectable to a wiper blade, means pivotally attaching the terminal to the end of the bar so that the terminal and a blade carried thereby may be moved angularly relative to the bar, the terminal having a relatively broad fan-shaped portion bearing on the bar and mutually interfitting elements on the fan-shaped bar and terminal remote from the pivot for locking the parts in predetermined angular relationship.

2,245,245
LIQUID COATING COMPOSITION AND PROCESS OF MAKING SAME
George Alexander, Lynn, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application April 29, 1938, Serial No. 205,009
8 Claims. (Cl. 260—30)

1. A process of making a liquid coating and impregnating composition which comprises forming a mixture comprising a phenol and an aqueous solution of a molecular excess of formaldehyde and, in addition thereto, a catalyst selected from the class consisting of ammonia and basic amines, causing partial reaction between the phenol and the formaldehyde while admixed with the said catalyst at a temperature not exceeding substantially 60° C., effecting further reaction between the components at room temperature for a period sufficient to produce a liquid reaction product containing not exceeding substantially 75 per cent by weight potentially reactive resin, separating the supernatant aqueous layer, and incorporating into the liquid reaction product thus produced an organic solvent which is miscible therewith to suppress any further layer separation of water therefrom.

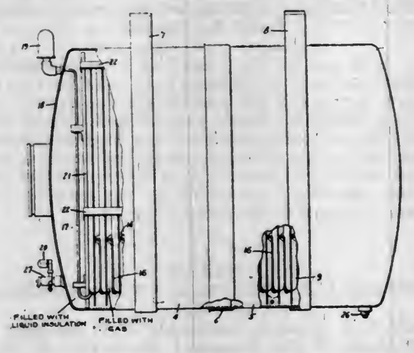
2,245,246
NAVIGATION AND LANDING OF AIRCRAFT IN FOG
Ernst F. W. Alexanderson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 24, 1938, Serial No. 226,594
19 Claims. (Cl. 250—11)



1. In a system for guiding an aircraft along a predetermined course comprising a transmitter apparatus located on said course including means for producing altitude signal radiation and for producing in said radiation an interference pattern which is fan-shaped in the direction of said course, a receiving system arranged on the craft to receive impulses due to the successive radiation maxima in said interference patterns as the craft traverses said radiation, and means to integrate said impulses and to indicate altitude of said craft from said integrated impulses comprising a condenser, means to charge said condenser to a peak potential corresponding to the frequency of said radiation maxima received by said aircraft at a given altitude thereof, a second condenser, means to charge said second named condenser from said first-named condenser to said peak potential, means to maintain said second-named condenser at said peak potential, and means for indicating the altitude of said aircraft in accordance with the charge on said second-named condenser.

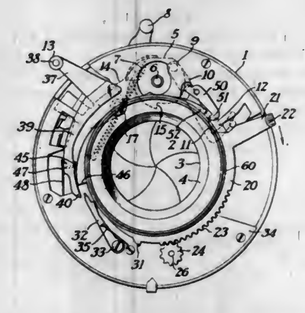
2,245,247
VARIABLE CAPACITY RESERVOIR
Thomas C. Aitchison, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application November 3, 1939, Serial No. 302,746
7 Claims. (Cl. 138—30)

1. A variable capacity reservoir comprising a sealed tank adapted to contain a body of liquid, conduit means through which the liquid flows between the tank and the apparatus served thereby, a plurality of individual sealed chambered cells having side walls movable toward and away from each other as the volume of the liquid changes, the cells being located within the tank and submerged in its contained liquid, in combination with conduits connecting the cells one



to another in series relation, and a conduit for admitting gas under determined pressure to one of the cells and through it to the others, one end of the conduit being accessible from outside of the tank.

2,245,248
PRETIMER FOR SHUTTERS
George E. Aulenbacher and Lawrence R. Martin, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 12, 1940, Serial No. 340,150
6 Claims. (Cl. 161—26)



1. In a photographic shutter, the combination with shutter mechanism including a master member, shutter blades, operable connections between the blades and master member, of a trigger for releasing the master member for making an exposure, a lever attached to the trigger and normally spring-pressed radially of the shutter, a pretimer mechanism including a retarded and spring-driven member against which the lever is spring pressed, a hook on said spring-driven member for engaging and moving the lever to trip the shutter, a latch element carried by the shutter, a latch on the spring-driven member for engaging said latch element for holding the spring-driven member in a tensioned position, a handle for setting the spring-driven member to tension the spring, and cooperating parts on the spring-driven member and trigger lever for guiding the lever into or out of tripping engagement with the latch according to the relative position of the parts.

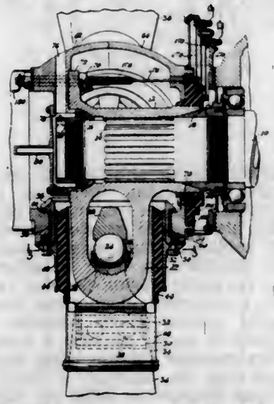
2,245,249
CYCLAMMONIUM QUATERNARY SALTS
Leslie G. S. Brooker, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 21, 1938, Serial No. 236,297
15 Claims. (Cl. 260—240)

1. In a process for preparing a cyclammonium quaternary salt which comprises reacting, in a reaction medium, a cyclammonium quaternary salt with a silver salt whose anion interchanges with the anion of the quaternary salt to give a second silver salt of lesser solubility in the reaction medium employed than the first silver salt, the step which comprises employing as the reaction medium, a phenol of the benzene series.

2,245,250
PROCESS FOR PREPARING CYCLAMMONIUM QUATERNARY SALTS
Leslie G. S. Brooker, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Original application October 21, 1938, Serial No. 236,297. Divided and this application October 3, 1940, Serial No. 359,574
15 Claims. (Cl. 260—240)

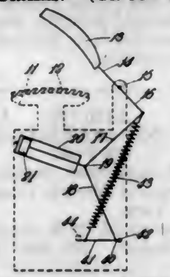
1. In a process for preparing a cyclammonium quaternary salt which comprises reacting in a reaction medium, a cyclammonium quaternary salt with a silver salt whose anion interchanges with the anion of the quaternary salt to give a second silver salt of lesser solubility in the reaction medium than the first silver salt, the step which comprises employing as the reaction medium, a primary aromatic amine.

2,245,251
ARTICULATED PROPELLER
Roland Chilton, Ridgewood, N. J., assignor, by mesne assignments, to Wright Aeronautical Corporation, Paterson, N. J., a corporation of New York
Application November 30, 1937, Serial No. 177,186
9 Claims. (Cl. 170—162)



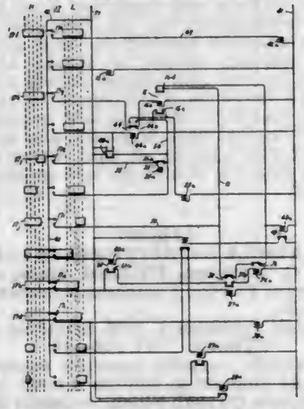
1. In combination, a propeller hub having an arm including an aperture, a rotatable sleeve projecting from the hub and embracing the arm, a stirrup having opposed serrated palms spaced to permit said stirrup to be articulately linked through said aperture, a propeller blade rigidly fitted to said serrations, and articulation means between said sleeve and stirrup comprising an elastic annulus between and secured to the stirrup and sleeve whereby the blade is rigidly restrained against centrifugal forces but movable under lateral forces and for pitch changing rotation with the sleeve.

2,245,252
TOGGLE OPERATED PRESS
William George Cleghorn, Claygate, England
Application September 17, 1938, Serial No. 230,374
In Great Britain September 30, 1937
2 Claims. (Cl. 38—40)



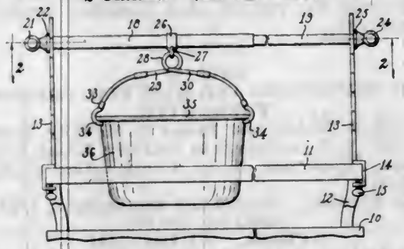
1. In an ironing press, a pressing head pivotally mounted on the frame of said press and having a rearward extension, an upper toggle link connected with said rearward extension of said pressing head, a lever, one end of which is pivotally mounted on the frame of said press, the other end of said lever being free, the lower link of said toggle being pivotally attached to said lever adjacent to the pivot of said lever, said links being pivotally connected to each other to form the toggle, and a spring connected between a point adjacent the free end of said lever and the upper link of said toggle, whereby, after said toggle links have been aligned, the extended spring exerts a constant pressure against the downward movement of said lever under the influence of the toggle.

2,245,253
CONTROL SYSTEM
James W. Cooke, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 16, 1939, Serial No. 309,643
8 Claims. (Cl. 172—179)



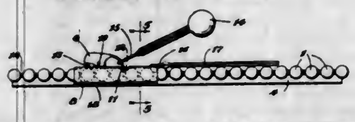
8. A control system for hoists and the like having an electric hoist motor comprising in combination, a solenoid brake for said motor having its solenoid connected in circuit with said motor, a reversing type master switch for said motor having high and low speed hoisting positions, means operable in said low speed position of said master switch for establishing a shunting circuit for said motor to provide stable slow speed operation of said motor, a limit switch operable in a predetermined position of said hoist for disconnecting said motor from its source, said shunting connection still remaining intact and said solenoid energized through said shunting connection and said brake being released, and a relay responsive to said operation of said limit switch for interrupting said shunt connection to effect deenergization of said solenoid and setting of said brake, and master switch connections for controlling said relay so that said relay can interrupt said shunt connection only in said low speed position of said master switch thereby to provide for reestablishing said shunt connection and release of said brake by operation of said master switch to a different position.

2,245,254
VESSEL-LEVELING DEVICE FOR GALLEY RANGES
Robert E. Cooney, New Haven, Conn.
Application April 26, 1939, Serial No. 270,087
2 Claims. (Cl. 248—139)



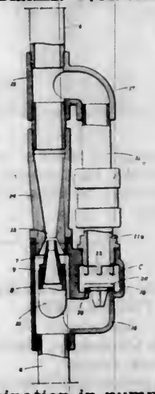
1. An attachment for a galley range having a rail, comprising a pair of standards detachably securable to said rail, each of said standards being provided with a series of recesses opening through the front edge thereof, an extensible supporting member having its ends seated in said recesses to be supported by said standards, a supporting hook slidably supported by said member, a hanger freely suspended from said hook and designed to be secured to a vessel to be supported by the attachment, said hanger comprising a pair of resilient oppositely disposed bifurcated arms, and said arms having means at their ends to grip a vessel whereby a four-point contact with the vessel is provided.

2,245,255
ADJUSTABLE FASTENING DEVICE
George Henry Clifford Corner, Sutton Coldfield, England, assignor to Talon, Inc., a corporation of Pennsylvania
Application June 19, 1939, Serial No. 280,001
In Great Britain June 20, 1938
4 Claims. (Cl. 24—206)



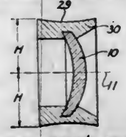
1. An adjustable fastening device of the kind comprising two elements, one comprising a substantially flexible member and the other a slider adapted to slide over the flexible member and to be detachably locked thereto, said flexible member comprising a series of bead-like members having flexible means connecting the same together in flexible manner in predetermined spaced relation, and flexible means securing the said bead-like members to a flexible supporting member.

2,245,256
PUMPING SYSTEM
William H. Crow, Stockton, Calif.
Application June 25, 1940, Serial No. 342,248
4 Claims. (Cl. 103—5)



1. The combination in pumping apparatus including a driven pump, a vertical suction pipe connected with the pump, an ejector assembly interposed in said suction pipe intermediate its ends, and means for supplying pressure fluid to the ejector; of a separate vertical conduit connected between spaced points on the suction pipe and by-passing the ejector assembly, means included in said conduit forming an enlarged chamber therein, a valve seat between said chamber and one portion of the conduit, and a check valve disposed in said chamber in cooperative relation to said seat.

2,245,257
LENS MOUNT
Chester W. Crumrine, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 25, 1939, Serial No. 286,385
2 Claims. (Cl. 88—57)

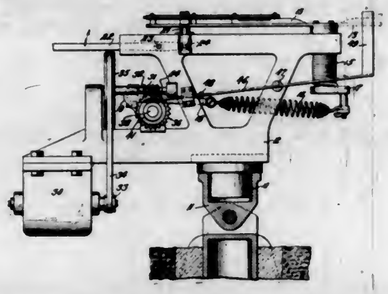


1. A camera lens mount comprising a camera wall having a tubular aperture therein, an abutment on the inner wall of the tubular aperture, a plastic rim holding said lens in axial alignment in the aperture and fitting snugly in the tubular aperture against said abutment, the outer surface of the rim being concave toric whereby the fit is snuggest near the front and rear edges of the rim.

2,245,258
TRAP
George H. Darrell, Stonington, Conn.
Application January 28, 1939, Serial No. 253,245
6 Claims. (Cl. 124—8)

1. A trap for throwing artificial pigeons com-

prising a pigeon throwing arm, a spring to operate the arm, and means to set the trap including a motor, connections between said motor and said spring, means to start the motor immediately



following discharge of a pigeon, means to maintain said connections in trap-set position, and means under control of said connections for stopping the motor.

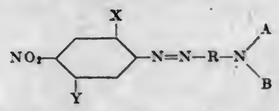
2,245,259

AZO COMPOUNDS AND MATERIAL COLORED THEREWITH

Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 23, 1938, Serial No. 242,025
4 Claims. (Cl. 260—205)

1. The azo dye compounds having the general formula:



wherein R represents the residue of a benzene nucleus, X represents a member selected from the group consisting of an alkyl group, an alkoxy group and a halogen atom, Y represents an alkyl group, A represents a phenyl group, B represents a member selected from the group consisting of hydrogen, an alkyl group, a phenyl group, a cyclohexyl group and a benzyl group and wherein the



group is in para position to the azo bond.

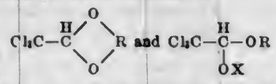
2,245,260

TREATING CELLULOSE DERIVATIVE MATERIALS

Joseph B. Dickey and James B. Normington, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 2, 1938, Serial No. 247,095
7 Claims. (Cl. 28—1)

1. The process of conditioning yarn to render it more amenable to textile operations including knitting, weaving, spinning and the like which comprises applying thereto a lubricating and softening composition containing as its essential lubricating and softening component an acetal derivative of chloral selected from the group consisting of the acetals and hemi-acetals having the following general formulas:



wherein X is a substituent selected from the group consisting of hydrogen and acyl, and R is a radical selected from the group consisting of alkyl and hydroxy alkyl groups.

2,245,261

AZO COMPOUND AND MATERIAL COLORED THEREWITH

Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application August 31, 1939, Serial No. 292,876
11 Claims. (Cl. 260—155)

1. The azo dye compounds having the general formula: $R-N=N-R_3$ wherein $R-N=N-$ represents the residue of a diazotized member selected from the group consisting of an arylamino compound of the benzene series, an arylamino compound of the naphthalene series and an aminobenzothiazole compound and R_3 represents the residue of a julolidine coupling component.

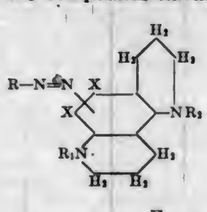
2,245,262

AZO COMPOUNDS AND MATERIAL COLORED THEREWITH

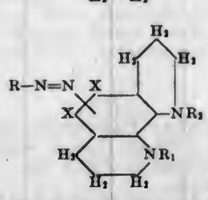
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application September 6, 1939, Serial No. 293,576
9 Claims. (Cl. 260—155)

1. The azo compounds selected from the group consisting of azo compounds having the general formulae:



and



wherein in each formula the azo group is attached to one of the positions marked X, the remaining X being selected from the group consisting of hydrogen, halogen, an alkyl group, a hydroxyalkyl group, an alkoxy group, an acetamino group, and a hydroxyacetamino group, R represents a benzene nucleus, R_1 and R_2 each represent a member selected from the group consisting of hydrogen, an alkyl group, a hydroxyalkyl group, an alkoxyalkyl group, a sulfoalkyl group, a sulfatoalkyl group, a methyl carbonyl group, an alkoxymethylcarbonyl group, and a

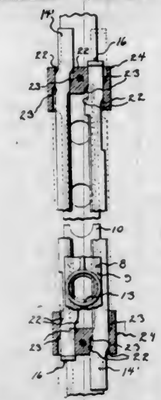
phenyl group, and wherein substituents selected from the group consisting of a hydroxyl group, an alkyl group, an alkoxy group, a sulphonic acid group, and an ester group may replace nuclear hydrogen in the saturated rings.

2,245,263

BOTTLE CARRIER

John R. Dostal, Milwaukee, Wis., assignor, by direct and mesne assignments, to Sturdy-Bilt Equipment Corporation, Milwaukee, Wis.

Application October 26, 1939, Serial No. 301,409
8 Claims. (Cl. 198—131)



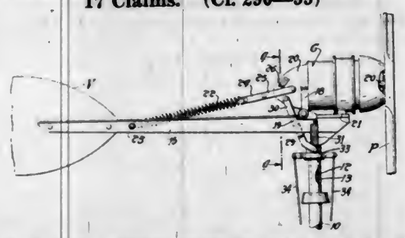
1. An endless carrier for bottle washing machines comprising, a plurality of transverse flights, each provided with spaced pockets for receiving the necks of bottles, and means carried by each of said flights for locking engagement of the bottle necks adjacent their heads, said means being bodily shiftable both longitudinally and transversely.

2,245,264

WIND DRIVEN GENERATOR STRUCTURE

William G. Dunn, Clarinda, Iowa

Application January 23, 1940, Serial No. 315,211
17 Claims. (Cl. 290—55)



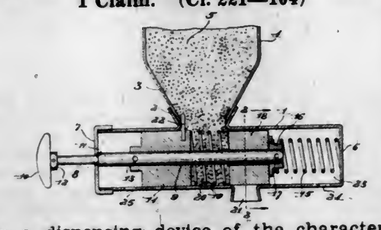
15. A wind driven propeller operated structure adapted to be governed by wind pressure comprising a vertical support, a frame rotatably mounted on the support, a propeller mounting including a pivotal connection with the frame permitting the mounting to tilt in a vertical plane, manual means for tilting the mounting comprising an extension element adapted to be grasped by an operator, a vertically shiftable element on the support attached to the extension element, resilient means connecting said shiftable element and the support normally holding said manual means at a position inoperable relative to said mounting, and a collapsible link connection attached respectively to said shiftable element and said mounting resistant to tension and nonresistant to compression between the ends.

2,245,265

DISPENSING DEVICE

Willard B. Eddy, Rochester, N. Y., assignor to Rochester Germicide Company, Rochester, N. Y., a corporation of New York

Application April 8, 1940, Serial No. 328,486
1 Claim. (Cl. 221—104)



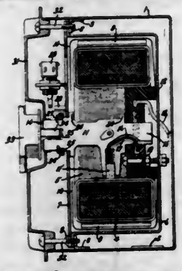
In a dispensing device of the character described the combination with a hopper adapted to contain a friable mass, of a cylinder normally communicating therewith, a plunger in the cylinder normally uncovering such communicating means but embodying a piston adapted to close the same when the plunger is operated, a second piston surrounding the plunger in spaced relation to the fixed piston to provide a measuring chamber, a relatively light agitating spring coiled within the said measuring chamber intermediate the pistons and a relatively stronger spring arranged to return the plunger to an initial position, the relative positions of the parts being such that a rearward movement of the fixed piston and the plunger first compresses the intermediate spring and thereby moves the floating piston, the said cylinder being provided with a discharge opening normally closed by the floating piston.

2,245,266

VARIABLE TRANSFORMER

Joseph F. Eitman, Elmer J. Zelt, and Armin F. Mittermaier, Fort Wayne, Ind., assignors to General Electric Company, a corporation of New York

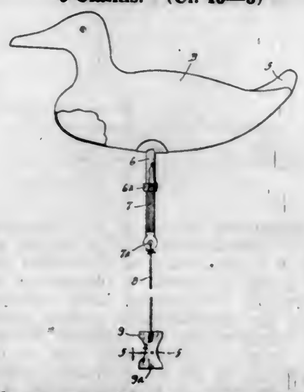
Application September 13, 1938, Serial No. 229,726
12 Claims. (Cl. 171—119)



1. A variable transformer comprising, in combination, a toroidal core of magnetic material having a cylindrical inner surface, a winding on said core, a relatively thin circular wire retaining member of insulating material pressed into the opening of said core for forcing the individual conductors forming the inner surface of said winding to lie evenly in a substantially cylindrical surface adjacent the inner side of said wire retaining member, a brush for contacting the inner surface of said winding adjacent the

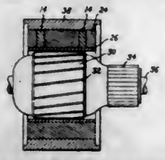
inner side of said wire retaining member, a rotatable holder for said brush, and an opening in the center of said circular wire retainer forming a bearing support for said brushholder.

2,245,267
DECOY
Edgar W. Elfstrand, Lindstrom, Minn.
Application July 16, 1938, Serial No. 219,573
6 Claims. (Cl. 43—3)



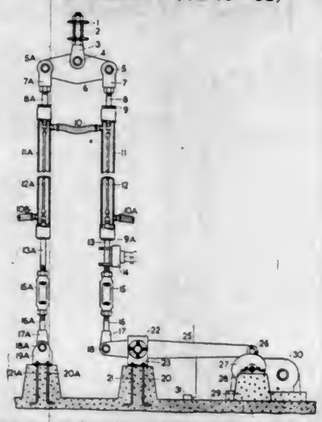
1. A decoy comprising a buoyant body in the shape of the game simulated and detachable anchoring means for said body comprising a member having a detachable connection with said body, a flexible element connected with said member, and a weight in the shape of a winding element, said weight being contoured to receive said first mentioned member and adapted to be tightly secured therewith by means of said flexible element being wound about both elements and secured by being wedged between said elements.

2,245,268
DYNAMOELECTRIC MACHINE
Wesley R. Goss, Fort Wayne, Ind., and David R. Shoults, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application November 12, 1940, Serial No. 365,304
6 Claims. (Cl. 171—227)



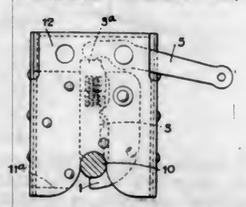
1. In combination in a permanent magnet excitation system for a dynamo-electric machine having a core of magnetic material provided with a winding, a plurality of permanent magnet pole pieces arranged to cooperate electrodynamically with said core, a member of magnetic material arranged to support said pole pieces and forming a part of the magnetic circuit thereof, a pole face of magnetic material carried by each of said pole pieces, and a plurality of members of magnetic material embedded in each of said permanent magnets, the embedded magnetic material members of each magnet extending through the magnet from said pole face to said supporting member of magnetic material and said embedded magnetic members having the characteristic of changing their permeability inversely in response to changes in temperature substantially to compensate said magnet for variations of flux therein due to said temperature changes.

2,245,269
SUCKER ROD FATIGUE TESTING MACHINE
Walton E. Gilbert, Los Angeles, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 4, 1939, Serial No. 259,772
5 Claims. (Cl. 73—51)



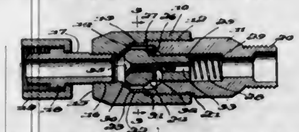
1. In a machine for testing sucker rods, a fixed support, a yoke pivotally supported thereby, means on either side of the pivot supporting the yoke for attaching the upper ends of two sucker rods to the yoke, means for bracing the lower end of one of said rods against axial motion, a lever, means for linking one arm of said lever with the lower end of the other sucker rod, and means to subject said sucker rod to axial cyclic tension stresses by applying a cyclic force to the other arm of the lever.

2,245,270
GRIP-AND-RELEASE DEVICE
John Alfred Richard Goode, Romford, England
Application February 12, 1941, Serial No. 378,688
In Great Britain June 1, 1939
6 Claims. (Cl. 294—83)



1. A grip-and-release device of the type set forth having a pair of claws one at least of which is formed on a lever pivoted so that the claws are relatively movable for opening and closing, the pivoted claw lever or levers having a pair of projections on the inner edge thereof one on each side of the pivot, to coact with a sliding element adapted to work longitudinally between the levers, operating means on the device for moving said slide element in a direction to engage one of the claw lever projections for pressing the claws open, movement of the slide in the other direction causing it to engage the other claw lever projection for positively closing the claws.

2,245,271
SAFETY CUTOFF VALVE
Howard A. Guill, Augusta, Ga.
Application July 1, 1938, Serial No. 217,039
1 Claim. (Cl. 251—144)



A safety cut-off valve comprising a casing having a passage extending therethrough from end to end, said passage being enlarged intermediate its ends to provide a valve chamber, an annular valve seat at one end of the chamber, a valve abutment at the opposite end of the chamber, a valve positioned in the valve chamber having a face cooperating with the valve seat to close the passage, means for biasing the valve against said abutment in open position against the flow of fluid through the passage, said chamber wall being provided with longitudinal grooves extending between said abutment and said valve seat, the abutment engaging portion of the valve being provided with substantially radial grooves communicating with the inlet ends of the grooves in the chamber wall to bypass fluid around the valve when in open position, and a stem on the valve engaging the wall of the passage at the discharge side of the valve seat, said stem being provided with a duct having its inlet end lying within the valve chamber when the valve is open and in communication with the discharge ends of the grooves in the chamber wall, said valve, in moving to closed position, closing the grooves in the chamber wall at the valve seat, and closing the inlet end of the duct in the valve stem by moving it beyond the discharge side of the valve seat.

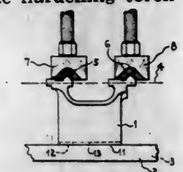
2,245,272
CAR TRUCK BOLSTER
Karl R. Hammerstrom, Dormont, Pa., assignor to United States Steel Corporation, a corporation of New Jersey
Application May 23, 1939, Serial No. 275,276
6 Claims. (Cl. 105—226)



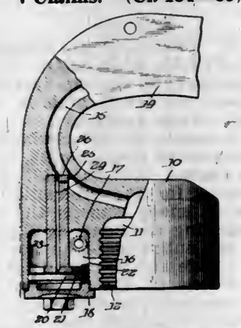
1. A box section car truck bolster including a vertical plate inside the bolster beneath the king pin hole and with its edges connecting with all walls of the bolster, the plate being downwardly recessed or slotted beneath the king pin opening, and a long vertical cylinder fixed in the recess or slot in said plate to form a king pin guide.

2,245,273
METHOD OF FLAME HARDENING LATHE BEDS
Albert L. Hartley, Cincinnati, Ohio, assignor to The R. K. LeBlond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application June 29, 1940, Serial No. 343,143
5 Claims. (Cl. 148—21)

5. The method of flame hardening a relatively long metallic work piece comprising the steps of: (*a*) passing a flame hardening torch over a portion of said work piece and cooling said portion of said work piece at a sufficient rate to effect a hardening of said portion; and the step (*b*) of passing a flame hardening torch over an oppositely disposed portion of said work piece and cooling said oppositely disposed portion at a sufficient rate to effect a hardening thereof so as to develop forces in said oppositely disposed portion which substantially neutralize the forces developed in said work piece in flame hardening said first mentioned portion.



2,245,274
ATOMIZING DEVICE
Harold Holmboe, Chicago, and Andy B. Cosper, Crestwood, Ill.
Application June 15, 1938, Serial No. 213,842
7 Claims. (Cl. 184—55)

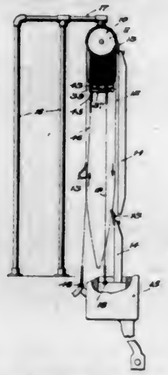


1. In a pneumatic tool having an air passage through the head portion thereof, means for lubricating the working parts of said tool including a reservoir in said head portion in spaced relation to the air passage, means communicating with the air passage at one end and extending into the reservoir at its other end, and capillary means including spaced members located in the reservoir and associated with the end of said means extending into the reservoir, said means having a passage therethrough connecting the air passage with the capillary space formed by said spaced members, whereby said capillary means maintains a constant but limited supply of oil for delivery to the air stream flowing through said passage.

2,245,275
METAL FEEDING APPARATUS
Albert H. Jung, Flushing, N. Y., and Edward J. Hubelmeyer, Little Ferry, N. J., assignors to United American Metals Corporation, Brooklyn, N. Y., a corporation of New York
Application March 13, 1941, Serial No. 383,220
7 Claims. (Cl. 22—80)

6. In a metal feeder combination, means for feeding metal downwardly, a melting pot positioned below said feeder for receiving the metal from said feeding means, said melting pot being

adapted to be moved further away from or closer to said feeding means, means responsive to the level of molten metal within said melting pot when it is closest to said feeding means for



controlling said feeding means, means acting concurrently with movement of said melting pot from its closest position for rendering ineffective said level responsive control means.

2,245,276

METHOD OF PRODUCING STEREOTYPE PRINTING FORMS ELECTROLYTICALLY

Walter Hugentobler, St. Gallen, Switzerland, assignor to Spectraldruck G. m. b. H., St. Gallen, Switzerland, a Swiss company

Application December 21, 1937, Serial No. 181,051
In Switzerland December 23, 1936
5 Claims. (Cl. 204—17)

1. In a process for the production of a flat printing plate by image transfer the steps comprising, transferring the image to the plate surface, coating the entire plate surface with gum, removing the image and its coating of gum from the image portions of the plate, preliminarily etching the image portions, applying a resist comprising a solution of asphalt and Canada balsam which, by reason of the coating of gum is taken up only by the printing surfaces, then removing the coating of gum by steaming, whereby the asphalt and balsam remains adherent to the printing portions, electrolytically depositing a stereotype metal on the exposed part of the metallic surface of the plate up to the level of the resist surface, removing the resist from the printing portions by washing with a solvent therefor, so as to form a surface corresponding in outline to the printed image depressed with respect to the plate surface, thereupon treating the elevated surfaces to cause them to repel color, and treating the depressed surfaces to enable them to attract color.

2,245,277

ASH TRAY

Henry B. Ivy, Fort Barrancas, Fla.

Application May 9, 1940, Serial No. 334,254
4 Claims. (Cl. 248—311)

4. A device of the class described comprising an attaching plate, a bracket about the attaching plate, supporting means extending from the bracket, said plate having a lug normally overlapping the bracket, pin and elongated slot connecting means between the braket and plate, the latter enabling the bracket to be moved out of engagement with the lug and to then be swung relatively to the attaching plate, said bracket being of U-shape, said lug being at the



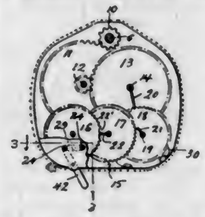
top of the attaching plate and overlapping the bight of the bracket, and a receptacle pivoted to the arm.

2,245,278

LUBRICATION INDICATOR

Ernest E. Jellison, Twin Falls, Idaho

Application August 19, 1938, Serial No. 225,793
1 Claim. (Cl. 200—52)



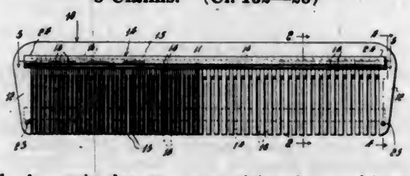
In a device of the class described, a casing, a train of gears journaled therein, one gear having a smooth portion between two of its teeth, a finger on an adjacent gear for rotating said one gear until the finger enters the smooth space when further rotation of said one gear will cease, a pin on said one gear, a switch closed by the pin when the finger is in the smooth part of said one gear, a lever pivoted to a part of the casing and having one end extending therefrom, the other end of the lever engaging the pin for moving said one gear to a position where the finger will engage a tooth of said one gear to start rotation of said one gear again, said movement of the one gear by the lever moving the pin out of engagement with the switch and means for rotating that gear of the train which is farthest from the said one gear.

2,245,279

COMB CLEANER

Harry Kahan, Auburn, N. Y.

Application April 4, 1940, Serial No. 327,894
8 Claims. (Cl. 132—28)



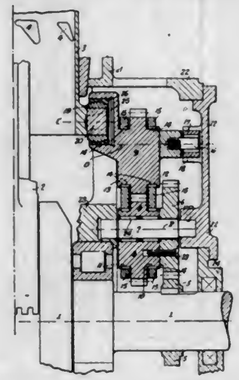
1. A comb cleaner, comprising in combination with a comb having end teeth and relatively narrow intermediate teeth, a bar slidably engaging the intermediate teeth, said bar having portions disposed between said teeth and extending toward their free ends, said portions being tapered in a direction toward the free ends of the teeth and providing means for scraping adjacent sides of the teeth and to force the scrapings from the teeth outwardly of the outer edges of the teeth, and means associated with said bar and with the end teeth for limiting the movement of the bar.

2,245,280

DRIVING MEANS FOR PROVIDING CYCLIC VARIATIONS OF SPEED

George Stephen Kammer, Park Lane, London, England

Application February 21, 1940, Serial No. 320,218
In Great Britain March 7, 1939
7 Claims. (Cl. 74—394)



1. Driving means for providing a cyclic variation of speed between a driving member driven at constant speed and a driven member, comprising in combination a shaft driven by the driving member, a circular gear wheel mounted eccentrically on the said shaft, a second circular gear wheel, bearings on the gear wheels concentric with their respective pitch lines, a yoke engaging the said bearings to hold the gear wheels in mesh, a shaft attached eccentrically to the second gear wheel, constraining means to guide the second shaft in a predetermined path as the distance between the shaft axes varies, and means for imparting the movement of the second gear wheel to the driven member.

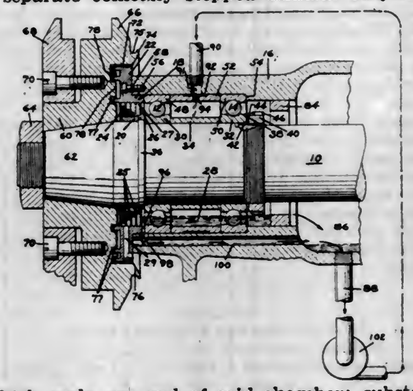
2,245,281

SEAL

Joseph Klopak, Newark, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application April 13, 1938, Serial No. 201,784
4 Claims. (Cl. 286—5)

1. In a device of the character indicated, a housing having a lubricant chamber, a shaft rotatably mounted in said chamber, a hub carried by the shaft and having a counterbore, an annular non-rotatable member received in said counterbore and secured to the housing about the shaft, co-operating spaced annular projections on the hub and on said non-rotatable member providing a labyrinth, an inner rotatable member on the shaft within said non-rotatable member, and alternating spaced baffles and slingers respectively secured to the non-rotatable member and to the inner rotatable member and providing a separate conically stepped annular labyrinth



which seals one end of said chamber; substantially as described

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2,245,282

PROCESS FOR THE MANUFACTURE OF HYDROXYARYL-AMINOMETHYL KETONES

Helmut Legerlotz, Paris, France, assignor, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey

No Drawing. Application January 24, 1940, Serial No. 315,444. In France September 14, 1938
2 Claims. (Cl. 260—570.5)

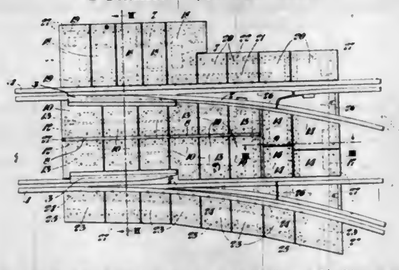
1. A process for the manufacture of hydroxyaryl-aminomethylketones, comprising acylating a hydroxyaryl-methylketone, halogenating the acylated derivative, adding hexamethylenetetramine to the acyloxyaryl-halogenmethylketone thus obtained in presence of an inert solvent for the reagents, and splitting the addition compound in acid solution.

2,245,283

FLOORING FOR HOUSED SWITCHES

Frank H. Lehecka, East Orange, N. J.

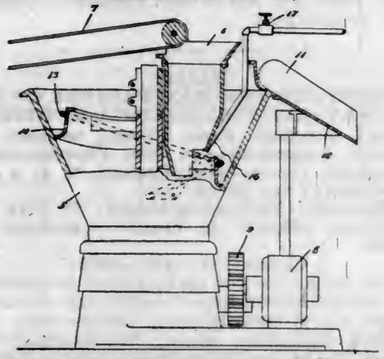
Application November 12, 1940, Serial No. 365,358
4 Claims. (Cl. 238—380)



1. In a railroad track, a switch including a pair of movable switch point rails with one being associated with each main rail, a guard member arranged along the inside of each of said rails substantially parallel thereto and spaced therefrom, said guard members positioned opposite the switch point rails with at least the extreme points of the same adapted to be positioned thereunder to house the same when the point rails are disposed in one position away from the main rails so that said points are protected there-

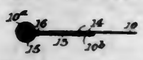
by, means for supporting said guard members, a plurality of removable cover plates arranged at least between said guard members and the main rails throughout the vicinity of said switch, and means arranged on the railroad ties for supporting said cover plates, each of said guard members together with all of said cover plates being arranged so that substantially a continuous vehicular floor is provided between the rails substantially level with the top thereof and being removably disposed so as to provide a removable flooring throughout the vicinity of the switch with each of said cover plates being of such size and arranged so that any one of them can be easily and quickly removed from position without disturbing the others for making repairs to the switch.

2,245,284
DOUGH HANDLING MACHINE
Wilbur Lockwood, Indianapolis, Ind.
Application October 8, 1940, Serial No. 360,335
5 Claims. (Cl. 107—9)



1. A dough handling machine including a moving part and a stationary part and means for subjecting the parts with which the dough comes into contact with a force of air adapted to dry such parts to prevent sticking of the dough thereto.

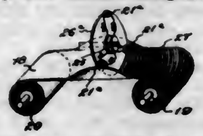
2,245,285
CURTAIN AND SIMILAR DRAPERIES
Rudolf Loeb, Jenkintown, Pa.
Application September 4, 1940, Serial No. 355,384
6 Claims. (Cl. 156—10)



5. As a new article of manufacture, a curtain having a folded marginal edge, a continuous cord disposed within said edge, and a line of stitching passing through the cord to position the same with respect to the curtain and serving to cause the same to hang in a straight line.

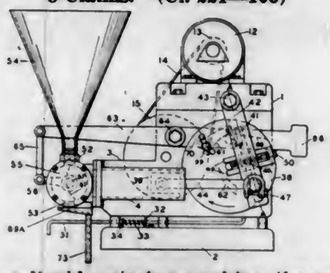
2,245,286
ELECTROMAGNETIC SOUND RECORDING
Luigi Marzocchi, Milan, Italy
Application May 26, 1937, Serial No. 144,862
In Italy June 26, 1936
8 Claims. (Cl. 179—100.2)

1. Apparatus for magnetically recording sound comprising in combination, a supply of metallic wire for receiving the recording, means for moving the wire longitudinally at a given rate of speed, a plurality of electromagnets movably arranged adjacent said wire, a sound recording circuit including the electro-magnets, and means for bodily rotating the electro-magnets in a plane



transverse to the axis of the wire and at a rate of speed having a definite ratio with respect to the longitudinal movement of the wire.

2,245,287
LIQUID METERING MACHINE
Everett S. Minard, San Francisco, Calif., assignor to Walter King, San Francisco, Calif.
Application March 9, 1940, Serial No. 323,121
8 Claims. (Cl. 221—103)



1. In a liquid metering machine, the combination of a tubular measuring pocket, a piston operable therein, a rotary valve controlling an inlet port to and an outlet from the said measuring pocket, driving means for said piston and turning means for said rotary valve, and means for fixing the amount of rotation of the rotary valve so as to control the size of the outlet port.

2,245,288
DENTAL DEVICE AND METHOD OF UTILIZING THE SAME
Francis J. Moylan, Scranton, Pa.
Application March 2, 1940, Serial No. 321,988
8 Claims. (Cl. 32—19)



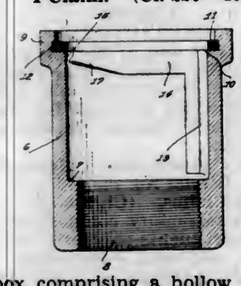
7. A device for recording a bite comprising a plate on the maxilla and a plate on the mandible, a projectable and retractable stylus carried by the maxillary plate, said stylus including stationary and movable portions, spring means normally urging said portions away from each other, a latch on one of said portions, said other portion having means thereon engageable by said latch to hold the same in any of a number of positions between complete projection and complete retraction, said latch permitting free upward motion of the movable portion by action of the patient's jaws and against the spring pressure on said movable portion and latching the movable portion against downward motion under spring action, and a recording wafer on the plate carried by the mandible in alignment with the stylus for recording movements thereof as the mandible is moved.

2,245,289
PRODUCTION OF EMBOSSED EFFECTS ON PARCHMENTIZED FABRICS
Hermann Müller, Herisau, Switzerland, assignor to Aktiengesellschaft Cilander, Herisau, Switzerland
Application December 17, 1938, Serial No. 246,444
In Germany January 5, 1938
7 Claims. (Cl. 154—.2)



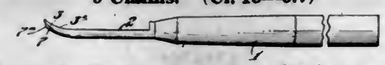
1. In a method of producing embossed effects on parchmentized fabrics, the steps comprising taking a parchmentized front cloth having substantially no shrinkage when treated with chemical shrinking agents, applying to said front cloth a non-parchmentized cloth which shrinks when treated with said chemical shrinking agents, printing certain portions of the double cloth thus obtained with an adhesive insoluble in water and the chemical shrinking agents, and subjecting said double cloth in dry condition without stretching to the action of a chemical shrinking agent to such an extent that the non-parchmentized back cloth is shrunk and the parchmentized front cloth, which does not shrink, is embossed.

2,245,290
STREET FILL BOX
Charles F. Myers, Baltimore, Md.
Application August 8, 1938, Serial No. 223,779
1 Claim. (Cl. 220—40)



A fill box comprising a hollow tubular member having a pipe attachable end, an annular sealing member in its other end, a circular closure plate adapted to seat against the sealing member and rotatable in the end of said tubular member, an arcuate rib extending circumferentially on the inner face of said tubular member, an axial extension depending from said closure plate, a lock member guided on said extension for rotation therewith and for movement axially thereon, spring means between a portion of said extension and the lock member and urging said lock member towards the closure plate, cooperating cam faces on said arcuate rib and lock member for camming said lock member downwardly against tension of the spring means when the closure plate is rotated in one direction, whereby to draw the closure plate firmly down against the sealing member, and said lock member having end portions engageable against a wall of said tubular member and of a sufficient bearing extent to prohibit tilting of said extension and closure plate with respect to the axis of said tubular member.

2,245,291
BLENDING IMPLEMENT
Simon Myerson, Brookline, Mass.
Application November 24, 1939, Serial No. 305,790
5 Claims. (Cl. 18—5.7)

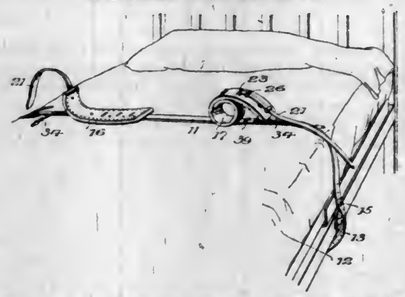


1. A blending implement useful in preparing the enamel layer of an artificial tooth for the reception of striae simulating inserts, said implement comprising an elongate blade, one surface of which is substantially straight transversely but concave longitudinally and which has a smoothly rounded terminal edge, the opposite surface of the blade being convexly curved both transversely and longitudinally, and an elongate narrow rib arranged substantially midway between the lateral edges of the blade and projecting from said convexly curved surface and extending longitudinally of the latter, said rib having an acute exposed edge and being of a maximum height corresponding to the thickness of the enamel layer in which the insert is to be deposited, the rib gradually tapering in height and in width toward both of its ends from an intermediate point, the concavely curved surface with its rounded terminal edge being useful in hollowing out the lingual surface of the enamel layer, and the convexly curved surface with its rib being useful in compacting the hollowed out enamel layer and in forming indentations therein which extend through said layer to the surface of the mould.

2,245,292
PREPARATION OF SULPHANILAMIDO-PYRIDINES
Elmore H. Northey, Bound Brook, and Martin E. Hultquist, North Plainfield, N. J., assignors, by mesne assignments, to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 22, 1939, Serial No. 285,968
3 Claims. (Cl. 260—296)

1. A method of preparing compounds included in the group consisting of sulphanilamidopyridines and p-nitrobenzenesulphonamidopyridines which includes the step of reaction an aminopyridine with a compound selected from the group consisting of N-acylsulphanilyl chlorides and p-nitrobenzenesulphonyl chlorides in the presence of dioxane.

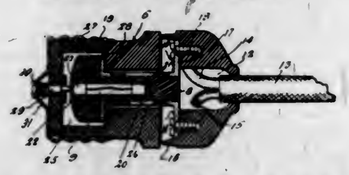
2,245,293
RESTRAINING DEVICE
Herbert H. Ogburn, Greensboro, N. C.
Application September 10, 1940, Serial No. 356,237
8 Claims. (Cl. 128—134)



6. In a restraining device, the combination of

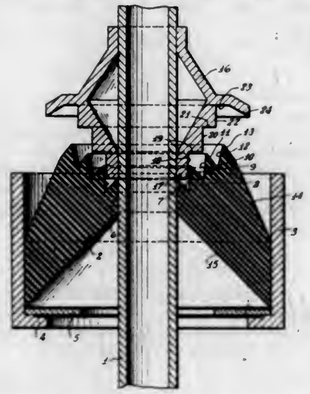
a base member, means for detachably securing said base member to a bed, and a pair of cuff members slidably mounted upon said base member, and adjustable means for varying the possible range of movement of said cuff members.

2,245,294
ELECTRIC PLUG
Philip W. Pelissier, Cumberland, Md.
Application October 18, 1940, Serial No. 361,785
2 Claims. (Cl. 200—115.5)



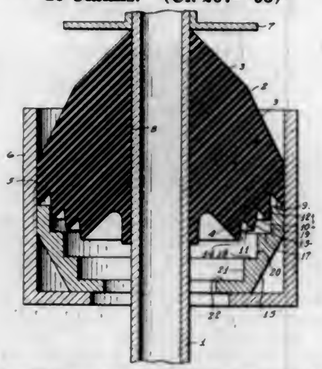
1. In an electric plug of the character described, a male fixture including an insulated shank and head at one end and contacts mountable on said shank and adapted for connection to electric conductors of an extension cord, a female fixture including a chamber and a slot communicating therewith and opening outwardly through one end thereof to receive the shank and head, and contacts carried by the female fixture to engage with the contacts of the male fixture.

2,245,295
CYLINDRICAL SPRING
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, a corporation of New York
Application December 23, 1938, Serial No. 247,437
26 Claims. (Cl. 267—63)



1. A spring comprising concentric load imposing and load receiving members having a springing element of elastic plastic therebetween, said element having frusto-conical top and bottom surfaces and cylindrical internal and external peripheries, said internal periphery at its top being substantially spaced from the main top surface of said element with the intervening space comprising at least one step V-shaped in a cross-section taken longitudinally of the spring, the inside one of said members being shaped to contact said internal periphery to contact each of said steps progressively during increasing axial movement thereof with respect to the other of said members.

2,245,296
SPRING
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, a corporation of New York
Application December 13, 1939, Serial No. 309,056
15 Claims. (Cl. 267—63)



1. A spring comprising concentric load imposing and load supporting members separated by a springing means composed of elastic plastic material, said springing means being stepped in a radially inward direction from its external periphery for a portion of its radial length, the outer of said members contacting said external periphery and being stepped radially inward therefrom, the steps of said inner member being adapted to surface contact progressively the steps of said springing means under increasing loading.

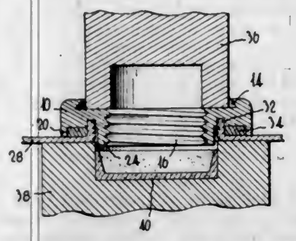
2,245,297
REFRACTORY
Norman Percy Pitt and Arthur Clarence Halferdahl, Rockcliffe, Ontario, and Frank Eugene Lathe, Ottawa, Ontario, Canada, assignors, by mesne assignments, to Canadian Refractories Limited, Montreal, Quebec, Canada, a corporation of Canada
No Drawing. Application October 19, 1934, Serial No. 749,042
10 Claims. (Cl. 106—9)

1. A burned refractory composition, comprising as basic constituents magnesia and 21–35 per cent of lime, and acid constituents including silica and a small amount of a stabilizing oxide, the basic and acid constituents being in chemically effective base-acid ratio between 2.23 and 2.77, to form calcium silicates of which tri-calcium silicate is predominant, and burned at a temperature rendering the product substantially non-hydrating.

2,245,298
METHOD OF WELDING METALLIC BUNGS TO METALLIC DRUMS
John R. Proctor, Bayonne, N. J.
Application September 15, 1938, Serial No. 230,126
7 Claims. (Cl. 219—10)

1. A method of welding a metallic bung having a main portion and a right angularly extending flange portion to a metallic collar surrounding an opening in a metallic drum, the collar having a plurality of outwardly extending serrations along its edge and the flange portion of the bung having an underlying groove adapted to receive said collar and of a width substantially equal to the thickness thereof, the said groove being slightly spaced from the main portion of the

bung, comprising the steps of inserting the main portion of the bung into the opening and seating the collar in the groove of the flange so that the serrations on the collar are in contact with the flange in the groove thereof and the main portion of the bung is spaced from the collar, and

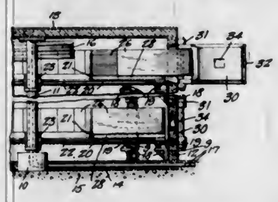


passing an electric welding current serially through the flanged bung and serrated collar while applying pressure to the upper face of the bung and the under face of the drum surrounding the opening to weld the collar to the flanged bung within the groove therein.

2,245,299
DERIVATIVE OF PREGNENE
Tadeus Reichstein, Basel, Switzerland, assignor to Roche-Organon, Inc., Nutley, N. J.
No Drawing. Original application March 10, 1938, Serial No. 195,161. Divided and this application February 9, 1939, Serial No. 255,482. In Switzerland March 22, 1937
10 Claims. (Cl. 260—397.1)

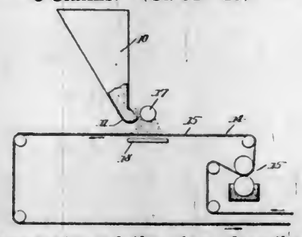
1. The acid halides of the Δ-5-6 cyclopentanodimethyl-polyhydro-phenanthrene carboxylic acids-17.

2,245,300
ROTARY REFRIGERATED LOCKER SYSTEM
William J. Ruttan, Hawarden, Iowa
Application January 7, 1941, Serial No. 373,508
4 Claims. (Cl. 62—89)



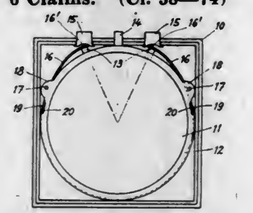
1. A locker refrigerator comprising a base, a post mounted thereon, a cylindrical insulated wall disposed concentric with the post, insulated top and bottom walls connected with the cylindrical wall and forming a refrigeration room, circular tracks mounted at vertically spaced intervals adjacent to the inner surface of the cylindrical wall, turntables supported on the post and tracks for rotation on the post as an axis, a plurality of radially slidable lockers supported upon the turntables, a service door in said cylindrical wall opposite each turntable through which the lockers of the respective turntable may be selectively slid to facilitate removal of the contents, means for locking the turntables stationary actuated by opening of the doors, and means for rotating the turntables to position said lockers at said doors, and means for refrigerating the room.

2,245,301
MANUFACTURE OF ABRASIVE ARTICLES
Elmer C. Schacht, Troy N. Y., assignor, by mesne assignments, to Behr-Manning Corporation, a corporation of Massachusetts
Application November 20, 1931, Serial No. 576,413
3 Claims. (Cl. 91—18)



2. An apparatus of the class described, comprising a delivering means for abrasive grains, a charged electrode disposed in such proximity to said grain-delivering means that grit is attracted first substantially laterally only therefrom to said electrode, means for moving a strip of backing material horizontally longitudinally beneath said grain-delivering means and said electrode, means for applying an adhesive coat thereto and presenting the same upwardly, and a terminal immediately below said first electrode and cooperating with the said electrode to create a field and then direct the laterally projected grit downwardly into contact with the moving adhesive face of said strip.

2,245,302
OPERATING MEANS FOR THE MECHANISM OF CHRONOGRAPHS
Werner Schmitz, Grenchen, Switzerland
Application June 27, 1939, Serial No. 281,499
In Switzerland April 18, 1939
6 Claims. (Cl. 58—74)

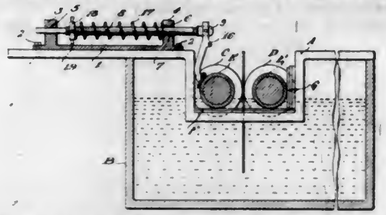


1. In a chronograph, a case, a circular movement, a push-button arranged in the wall of said case, a blade spring adapted to act direct on and to be flexed direct by said push-button, and a push-member adapted to serve as a controlling means for said movement and to be controlled direct by said blade spring on said latter being flexed.

2,245,303
PRESSURE DEVICE FOR COATING MACHINE ROLLS
Milford R. Shane, Vandergrift, Pa.
Application January 2, 1940, Serial No. 312,143
3 Claims. (Cl. 91—59.2)

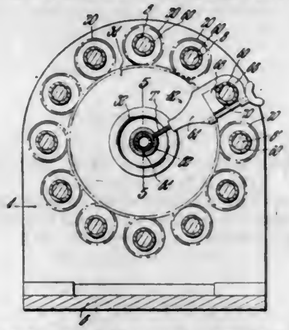
1. A pressure device for the rolls of a metal coating machine, comprising a base mounted on the upper portion of the galvanizing pot rigging of the machine, bearing blocks formed on and rising from the base, shafts mounted for slidable longitudinal movement in the bearing blocks, levers pivotally connected to the shafts and fulcrumed on the rigging for rocking movement

thereof, plates secured to the levers, wear shoes detachably mounted on the plates and engaged with the bearing collars of the necks of a roll for urging the latter toward its companion roll,



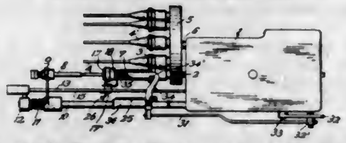
springs sleeved on the shafts, and handled abutment means for the springs and threaded on the shafts for adjusting the pressure of the levers with respect to its roll.

2,245,304
PIERCING MACHINE
Royal F. Sickles, Springfield, Mass., assignor to The F. W. Sickles Company, Springfield, Mass., a corporation of Massachusetts
Application June 19, 1939, Serial No. 279,827
20 Claims. (Cl. 164—108)



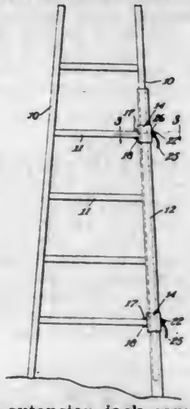
1. A machine of the class described, a support, a plurality of tool shafts journalled in said support and circularly spaced therearound, a guide oscillatable centrally of said shafts having a guideway for a tool, a tool guided in said guideway, and connections between said tool and one of said shafts whereby the tool is reciprocated relative to said guide as said one shaft is rotated.

2,245,305
WINDING MACHINE INCLUDING A PLURALITY OF WINDING SPINDLES ARRANGED ON A COMMON ROTATABLE SUPPORTING MEMBER
Walter Siegenthaler, Erlenbach, Zurich, Switzerland, assignor to Maschinenfabrik Scharer, Erlenbach, Zurich, Switzerland
Application December 14, 1939, Serial No. 309,296
In Switzerland March 1, 1939
14 Claims. (Cl. 242—27)



1. In a winding machine, a supporting member carrying a plurality of winding spindles each for exchangeably carrying a bobbin, said member being mounted for stepwise rotation to bring the spindles successively into winding position and into position for exchanging a full bobbin having been wound in said winding position for an empty bobbin, a counter holder for the empty bobbin supplied into said position, a winding feeler associated with said holder for cooperation with the winding in progress of formation, and slide means for rendering said holder and said winding feeler inoperative on the completion of said winding and rendering said holder and feeler operative again on said supporting member having been fed by a step.

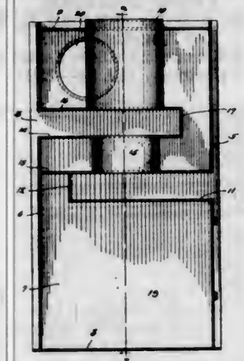
2,245,306
LADDER EXTENSION JACK
Robert R. Smith, Lawrence, Kans.
Application November 4, 1940, Serial No. 364,311
2 Claims. (Cl. 228—63)



1. A ladder extension jack comprising a channel bar adapted to receive a side rail of a ladder at the bottom thereof, the web of the bar having a longitudinal slot, a securing member of substantially U-form in plan straddling the channel bar transversely and having an inner leg engaging the rear face of said side rail, said inner leg being slotted to receive a rung of the ladder, said inner leg having flanges at the upper and the lower edges of the slot therein adapted to engage said rung, said securing member having an outer leg provided with a longitudinal slot registering with the longitudinal slot of the channel bar, and a bolt engaged through said slots of the channel bar and of the securing member to secure the parts in assembled relation on said side rail.

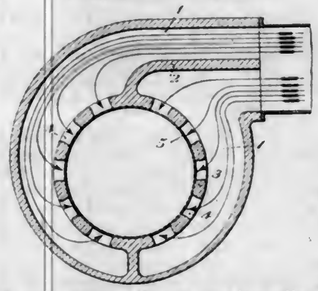
2,245,307
SUPERHEATER
Charles F. Strahley, Tacoma, Wash.
Application October 23, 1939, Serial No. 300,850
1 Claim. (Cl. 126—70)

A heating stove comprising a body portion including a front wall, rear wall, and side walls, said body portion having a fire-box, spaced upper and lower plates extending inwardly from the front wall providing with said side walls a rectangular air passageway communicating with the atmosphere at the front end thereof, a vertical wall closing the rear of said passageway, the rear wall of the passageway being spaced from the adjacent wall of the body portion, said upper plate extending to the rear wall of the body portion, the side edges of said upper plate being spaced from the side walls of the body portion, spaced upper and lower plates extending inwardly from the back wall of the body portion providing with said side walls a rectangular air passageway extending inwardly from the back wall and open to the atmosphere at the rear of the body portion, and the front end of the latter air passageway being spaced from the front of



the body portion, a vertical wall closing the front end of the latter passageway, a pipe connecting the passageways, a pipe connected with the upper passageway and extending to the top of the body portion and dividing the space above the upper passageway into a heat passageway, and said body portion having a stove-pipe opening in the wall thereof, the stove-pipe opening being disposed above the upper passageway.

2,245,308
DIE CARRIER FOR CONTINUALLY OPERATING PRESSES FOR PRODUCING FLOUR PASTE ARTICLES
Emil Thalmann, Uzwil, Switzerland, assignor to the firm Gebrüder Bühler, Uzwil, Switzerland
Application April 26, 1940, Serial No. 331,889
In Switzerland May 19, 1939
1 Claim. (Cl. 107—14)



In a die carrier for a continually operating press for producing flour paste articles, an extrusion die, a carrier supporting said die, extrusion means provided in said die for discharging said articles from said die down through said carrier, an air supply channel arranged in said carrier, a cylindrical wall included in said air supply channel in substantially parallel relation to the direction of travel of said articles discharging from said extrusion means and so as to surround said discharging articles, air supply passages arranged in said wall in communication with said channel and the interior of said wall, and a screen overlying said air supply passages on the inside of said cylindrical wall for directing said air supply through said screen on to said discharging flour paste articles from the side and for said air to be discharged in the downward direction.

2,245,309
METHOD OF MANUFACTURING DRIED STARCH CONVERSION PRODUCTS
James F. Walsh, Yonkers, N. Y., assignor to American Maize-Products Company, a corporation of Maine
No Drawing. Application April 26, 1940, Serial No. 331,757
5 Claims. (Cl. 127—30)

3. In a process for producing a dried solidified starch conversion syrup product, the steps of bringing hot, water soluble, concentrated starch conversion syrup containing not more than about 4% moisture and having a temperature of at least about 135° C. into direct contact with water maintained at a sufficiently low temperature not substantially above 5° C. to render the hot starch conversion syrup substantially insoluble in said water for a relatively short period of time so as to effect solidification of the syrup into a substantially solid mass, and subjecting the solidified syrup mass to heated air of relatively low humidity to remove surface moisture from said syrup mass.

2,245,310
PROCESS FOR UNDULATING ARTIFICIAL FIBERS
Hein Israel Waterman and Willem Leendert Johannes de Nie, Delft, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 3, 1939, Serial No. 265,744. In the Netherlands April 7, 1938
7 Claims. (Cl. 8—113)

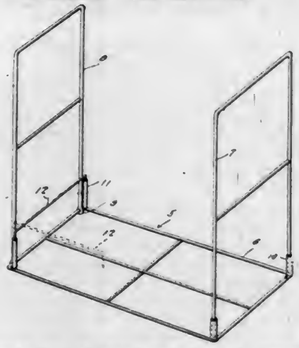
1. A process for producing undulated synthetic filaments which comprises immersing a formed filament, consisting essentially of high molecular weight polymers of a vinyl compound, in a liquid, containing at least 10% by volume of a sulfur halide having a composition SX_n wherein X represents a halogen and n is a quantity greater than about 0.6 and less than 4.0, for a length of time permitting undulation of said filament to occur, but for less than two minutes so that no appreciable vulcanization of said filament occurs, while maintaining insufficient tension upon said filament to substantially remove the formed undulations by stretching.

2,245,311
RECOVERY OF SOLUTIZERS
Ellis R. White, Albany, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 20, 1939, Serial No. 280,129
9 Claims. (Cl. 260—540)

1. In a process for separating solutizers for weak organic acids from aqueous solutions containing same and an amount of inorganic metal compounds having salting-out properties, the steps comprising treating said aqueous solution with a solvent selected from the class consisting of normal and isopropyl alcohols, secondary and tertiary butyl alcohols, diacetone alcohol, acetone and tetrahydrofurfuryl alcohol, said amount of said inorganic compound being sufficient under the conditions of the treatment to effect the for-

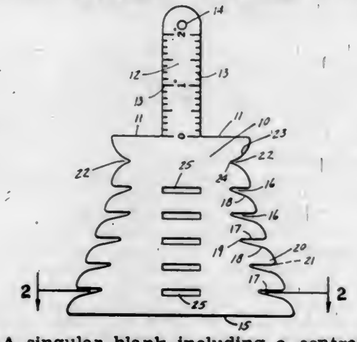
mation of two liquid layers, an upper solvent layer containing the major portion of said solutizer, and a lower aqueous layer containing inorganic metal compounds, and separating the layers.

2,245,312
SPECTATOR'S PORTABLE SHELTER
Manes T. White, Coleman, Tex., assignor of one-half to C. S. Walker, Coleman, Tex.
Application May 22, 1940, Serial No. 336,647
1 Claim. (Cl. 135—7.1)



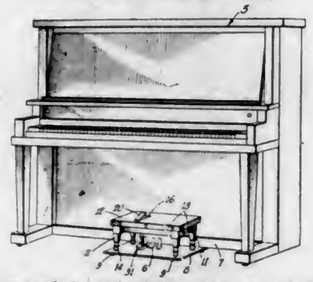
In a portable shelter support, a horizontally disposed substantially rectangular shaped seat frame, a pair of vertically arranged sleeves secured on the frame and positioned adjacent the corners at one end of said seat frame, a second pair of vertically disposed sleeves secured on said frame at the corners of the other end of said seat frame, an end frame hinged on one end of said seat frame and movable freely between the first-mentioned pair of sleeves, a second end frame having ends thereof removably mounted in the second-named pair of sleeves, and a member provided with rightangularly disposed extremities and having one extremity thereof rotatably and slidably secured in one of the sleeves of the first-mentioned pair of sleeves and adapted to have the other extremity thereof inserted in and removed from the other sleeve of the first-mentioned pair of sleeves.

2,245,313
HEM GAUGE AND LINER
Harriet A. Wilhite, Indianapolis, Ind.
Application March 30, 1940, Serial No. 326,881
3 Claims. (Cl. 33—11)



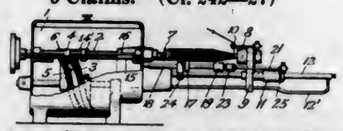
3. A singular blank including a central stem portion and a head portion, the latter being longer and wider than the stem portion and having approximately inclined sides directed toward the free end of the stem portion, the edges of the head portion coincident with the junction between the portions forming elongated and spaced aligning portions constituting a base line, each side including inwardly directed spaced notches, the notches on opposite sides being aligned and such alignments being parallel to the base line.

2,245,314
PEDAL CONTROL
Gertrude L. Willis and Felix R. Willis, Los Angeles, Calif.
Application February 27, 1940, Serial No. 321,033
7 Claims. (Cl. 84—232)



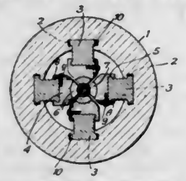
1. In a pedal control for pianos and the like, a base, a stool comprising a top having a pedal pivoted therein, legs mounted on said base supporting said top above and substantially parallel to said base, each of said legs comprising a series of sections adapted for selective utility for variably spacing said top and base, a retaining member comprising an extension of said base adapted to extend under the piano, and means to connect said pivoted pedal to a pedal of the piano.

2,245,315
THREAD GUIDE FEEDING DEVICE FOR WINDING MACHINES
Ernst Zindel, Erlenbach, Switzerland, assignor to Maschinenfabrik Schärer, Erlenbach, Switzerland
Application June 27, 1939, Serial No. 281,436
In Switzerland July 1, 1938
5 Claims. (Cl. 242—27)



1. In a winding machine, a cop spindle, means for rotating said spindle, means for reciprocating said spindle longitudinally, a tube adjacent said spindle extending in substantially the same direction as said spindle and having an open end, a thread guide supporting rod extending into the open end of said tube, a longitudinally displaceable thread guide, means connecting said thread guide with said thread guide supporting rod, releasable means for locking said thread guide supporting rod against longitudinal movement in said tube, said locking means comprising a clamping sleeve slidably mounted on said tube, means for resiliently pressing said sleeve in one longitudinal direction to effect locking action, reciprocatory abutment means for engaging said sleeve to periodically move it longitudinally in the releasing direction against the action of said resilient pressing means to release the guide rod and thread guide, whereupon the cop moves the thread guide and thread guide supporting rod one step and thereafter, upon reversal of direction of the reciprocatory abutment means, the resiliently pressed locking sleeve locks the thread guide supporting rod in newly-adjusted position with respect to the tube.

2,245,316
CLAMPING CHUCK
Alfred J. Amsler, Schaffhausen, Switzerland
Application August 28, 1939, Serial No. 292,333
In Switzerland August 31, 1938
3 Claims. (Cl. 24—263.5)

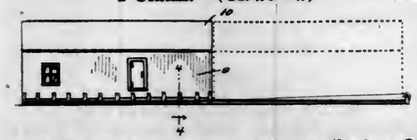


2. A clamping chuck for tensile test machines, comprising an annular chuck body having the internal surface thereof provided with a plurality of axially converging slots, a plurality of pairs of movable clamping wedges, each pair including relatively movable inner and outer wedges, each outer wedge having a longitudinally tapering outer surface slidably fittted in one of said converging slots, the inner surfaces of the outer wedges forming an axially converging seat for the outer surfaces of the inner wedges and tapering in the same direction as said converging slots of the chuck body, the converging slots of the chuck body having a greater pitch than the converging seat formed by the inner surface of the outer wedges, the outer wedges being mounted for unlimited axial movement along the converging slots of the chuck body whereby test pieces of widely varying diameters may be clamped in the chuck, and a friction clutch connection between the two wedges of each pair of wedges whereby the two wedges move together until the resistance against displacement of one of the wedges is greater than the frictional resistance of said clutch.

2,245,317
PROCESS FOR RECOVERING MERCAPTANS
Richard A. Bannerot, Martinez, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 4, 1939, Serial No. 307,449
8 Claims. (Cl. 260—609)

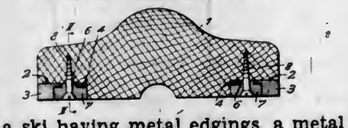
1. In the process of producing relatively pure mercaptans from a hydrocarbon oil containing them, the steps comprising extracting said hydrocarbon oil with first a strong aqueous alkali metal hydroxide solution to produce a treated hydrocarbon oil and a fat aqueous solution containing mercaptides and neutral oil, separating the fat solution from the treated oil, stripping the former with steam to vaporize mercaptans and neutral oils, condensing the resulting vapors to produce a condensate which segregates into two phases, a water phase and a crude mercaptan oil phase, separating the phases, treating the crude mercaptan oil with a second aqueous solution of an alkali metal hydroxide having a concentration not above 20% to dissolve mercaptans contained in the mercaptan oil, thereby producing a mercaptide solution and a residual oil insoluble in said mercaptide solution, separating said mercaptide solution from the residual oil, and reliberating mercaptans from said mercaptide solution.

2,245,318
PORTABLE ENCLOSURE
John Blank, Boerne, Tex.
Application October 25, 1940, Serial No. 362,867
1 Claim. (Cl. 20—2)



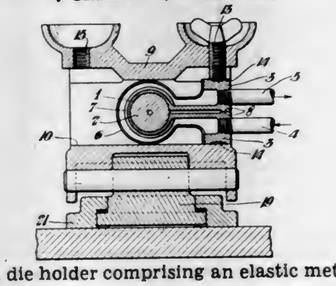
In a device of the character described, a fixed floor, a track associated with said floor and including spaced rails, an enclosure for said floor, spaced plates secured to the enclosure, rollers journaled on said spaced plates and riding the rails whereby the enclosure may be moved to cover and uncover the floor, certain of said plates being bent angularly to engage under the rails, cable connected to the enclosure, and a winch located at one end of the track and having the cable connected thereto for winding the cable thereon to move the enclosure over the track to uncover the floor.

2,245,319
SKI HAVING METAL EDGINGS
Louis Beerli, Engelberg, Switzerland
Application August 28, 1939, Serial No. 292,361
In Switzerland September 1, 1938
5 Claims. (Cl. 280—11.13)



1. In a ski having metal edgings, a metal rail providing an edging of the ski, said ski having a recess formed in each margin of its tread surface, an apertured flange on said rail, said rail being arranged in said recess at the outer edge thereof whereby a groove is left between the inner flank of said rail and the adjacent side surface of said recess, said flange bearing against the bottom of said recess, at least one holding member arranged in said groove, and a bearing portion provided on said member for engagement with the bottom of said recess and projecting through a mating aperture in said flange with clearance in the longitudinal direction of said rail for said member to hold said rail for compensation of extension of said rail longitudinally of the ski in adaptation to corresponding deflections of the ski.

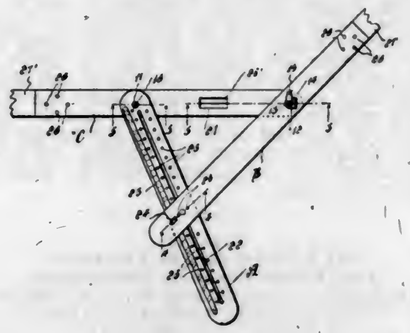
2,245,320
DIE MOUNTING
Bruce N. Bletso, East Cleveland, Ohio
Application November 6, 1939, Serial No. 303,139
7 Claims. (Cl. 205—25)



1. A die holder comprising an elastic metal loop

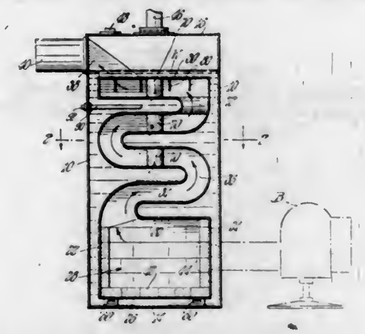
in which the die may be placed and levers extending from the ends of said loop transversely respecting the latter for constricting the same about the die, said loop being hollow and provided with means for circulating cooling fluid therethrough.

2,245,321
PROTRACTOR
Jack C. Bonney, Baytown, Tex.
Application January 4, 1940, Serial No. 312,419
2 Claims. (Cl. 33—86)



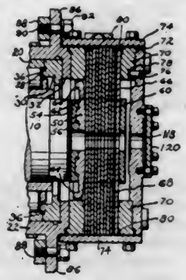
2. A protractor of the class described having a blade, second blades, first, second and third pivot members connecting the blades in triangular relation, means whereby the second pivot member slidably connects the second blades, a bracket adjustably mounted by the first pivot member having an opening for engagement with a line fastened to the second pivot member, an element pivoted on the first pivot member serving as an anchor means for a second line, and the third pivot member having a notch to engage the second line.

2,245,322
BOILER
George H. Bork, Holyoke, Mass., assignor to Harvey - Whipple Incorporated, Springfield, Mass., a corporation of Massachusetts
Application June 12, 1940, Serial No. 340,101
2 Claims. (Cl. 122—156)



1. A boiler apparatus comprising in combination, a closed outer shell having lower, upper, side and end walls, a closed inner shell having lower, upper, side and end walls, supporting means on the lower wall of the outer shell supporting the lower wall of the inner shell, portions of the side walls of the inner shell at lower and upper ends being spaced apart to provide with the end walls thereof a lower combustion chamber and an upper chamber, an intermediate portion of one side wall of the inner shell extending inwardly partially over said combustion chamber and then back and forth in horizontal spaced runs to the upper chamber, the intermediate portion of the other side wall extending from the lower portion thereof in conformity with and in spaced relation relative to the intermediate portion of the one side wall co-operating therewith and with the end walls of the inner shell to provide a restricted passageway between relatively larger combustion and upper chambers, the walls of said inner chamber being spaced from adjacent walls of the outer chamber to provide relatively narrow vertical and lower horizontal water spaces at the ends and sides of the inner shell in communication with horizontal water spaces between the intermediate portions of the side walls thereof and a water space above the upper chamber whereby said inner shell is surrounded by a water space, and a flue connection extending from the upper chamber through the water space above the upper chamber and through an outer wall of the upper chamber.

2,245,323
AXLE BOX
Richard J. Brittain, Jr., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 18, 1938, Serial No. 235,624
14 Claims. (Cl. 308—41)

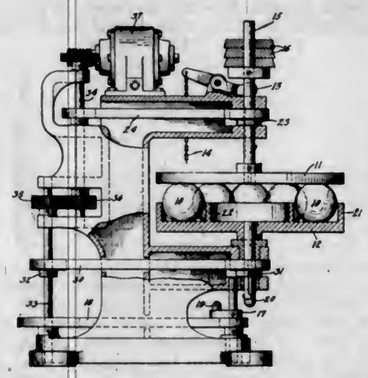


1. In a device of the character described, a journal box, a shaft journalled in the box, a leaf spring extending crosswise of the box, a thrust block opposed to the shaft and bearing against the spring, and means for mounting the thrust block for free and unresisted universal movement to provide for self alignment of the thrust block with respect to the shaft without transmitting torsional stresses to the spring, said means including a swivelling connection of the spring with the box; substantially as described.

2,245,324
METHOD OF MAKING BALLS
William T. Brown, Short Hills, N. J., assignor to A. G. Spalding & Bros. Inc., New York, N. Y., a corporation of Delaware
Application August 25, 1938, Serial No. 226,733
11 Claims. (Cl. 154—16)

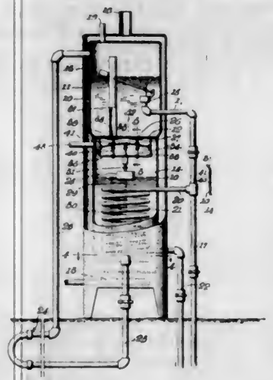
1. In making and conditioning a resilient ball, the method which comprises making a ball hard-

er than playing standard, and then rolling the



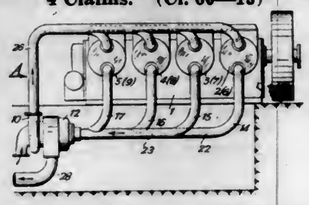
ball under pressure until it meets playing standard.

2,245,325
WATER HEATING AND CIRCULATING MEANS
James E. Browning, San Antonio, Tex.
Application February 14, 1940, Serial No. 318,976
5 Claims. (Cl. 237—64)



4. A water heater and circulator comprising a lower water chamber and means for heating the water therein, an upper water chamber, a hot water outlet from the lower portion of said lower chamber, a water return into said upper chamber, a water passage from said upper chamber to said lower chamber and opening through the top of the latter, a pipe for placing the upper ends of the two chambers in communication with each other and opening through the top of said lower chamber, two upwardly closable valves for said passage and pipe respectively, said valves having stems projecting downwardly into said lower chamber, a bowed spring transverse to said stems, means mounting said spring to snap either upwardly or downwardly when moved slightly past a neutral position, loose connections between said spring and said stems, a float guide suspended from the central portion of said bowed spring, and a float slidable on said float guide for moving said spring either upwardly or downwardly slightly past said neutral position.

2,245,326
HORIZONTAL INTERNAL COMBUSTION ENGINE ASSOCIATED WITH EXHAUST GAS TURBOBLOWER MEANS
Alfred Büchi, Winterthur, Switzerland
Application January 25, 1940, Serial No. 315,625
In Great Britain February 6, 1939
4 Claims. (Cl. 60—13)

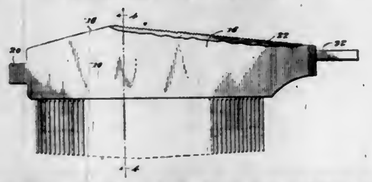


1. In a power plant, an internal combustion engine having horizontal cylinders, an exhaust gas driven turbo-blower for charging the engine, a floor supporting the engine with the horizontal cylinders extending above said floor, means connecting the engine exhaust to the turbo-blower unit so as to drive said unit by at least part of the exhaust gases discharging from said cylinders, said turbo-blower being located below the level of said floor so as to be covered by the latter, the means connecting the engine exhaust with said unit including a manifold extending below said floor level and covered by said floor, said manifold leading into the turbine part of said turbo-blower unit, branch exhaust gas conduction means leading from said engine cylinders downward into said manifold, and air conduction means communicating with the blower part of said unit and connecting with said cylinders above said floor in separated relation to said exhaust gas conduction means for supplying the charging air delivered by said unit to said cylinders.

2,245,327
COPPER-BASE ALLOY
Edward S. Bunn and Irving T. Bennett, Rome, N. Y., assignors to Revere Copper and Brass Incorporated, Rome, N. Y., a corporation of Maryland
No Drawing. Application September 16, 1939, Serial No. 295,332
4 Claims. (Cl. 75—153)

1. Alloys consisting of arsenic 0.5 to 5%, phosphorus 4.5 to 8.5%, balance substantially all copper.

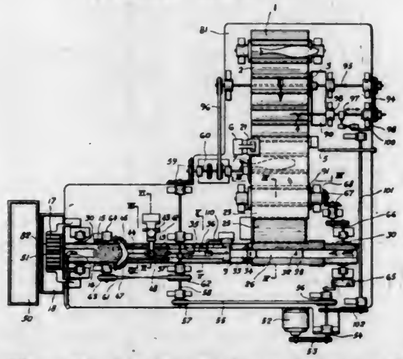
2,245,328
COMBINATION HOLDER AND COMB
Diamond P. Califano, Amsterdam, N. Y.
Application April 17, 1939, Serial No. 268,402
3 Claims. (Cl. 132—11)



3. In combination, a support comprising a pair of spaced side members secured together at their upper portions, means on the inner sides of said members for slidably securing a comb between said side members, the upper portion of said support being provided with a longitudinally extending slot therein, a handle slidable in said

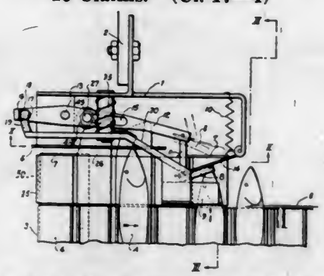
slot, said handle being provided adjacent its inner end with a notch, and resilient means in said slot adjacent the outer end thereof for engagement with said notch for holding said handle in pre-determined operative position.

2,245,329
METHOD OF EVISCERATING AND CLEANING FISH
Paul Danielsson, Stockholm, Sweden, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden, a joint-stock company of Sweden
Application November 14, 1938, Serial No. 240,361
In Sweden July 28, 1937
4 Claims. (Cl. 17—3)



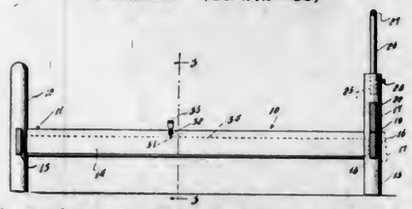
1. The method of eviscerating and cleaning fish comprising the steps of opening the head end of the fish and pulling the entrails and parts adhering thereto out of said head end so that the entrails are pulled loose at the anal opening, then slitting the belly of the eviscerated fish and spreading its sides open, and thereafter lightly brushing the opened cavity of the fish to clean same without injury to the flesh.

2,245,330
METHOD OF AND DEVICE FOR DRESSING FISH
Paul Danielsson, Stockholm, Sweden, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden, a joint-stock company of Sweden
Application November 14, 1938, Serial No. 240,362
In Sweden August 10, 1937
19 Claims. (Cl. 17—4)



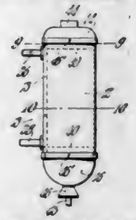
7. In a device for dressing fish, a fish conveyor, a fish dressing member, a gage yieldingly movable transversely to the fish resting on said conveyor, an adjusting member for longitudinal displacement of the fish relative to said dressing member, said gage and said adjusting member being operably and adjustably interconnected to obtain the desired relation of movements.

2,245,331
BED
John Gordon Dawley, Olympia, Wash.
Application April 11, 1940, Serial No. 329,168
2 Claims. (Cl. 272—58)



1. A physical culture bed comprising a bedstead including a headboard formed of upper and lower sections, said sections being hingedly connected, said lower section being secured to posts at the head of the bedstead, latch means carried by the upper section for engaging said posts for retaining the upper section in a raised position, a bar disposed above said headboard and provided with depending ends for removably engaging recesses in the upper ends of said posts, and a strap detachably connected at its ends to corresponding portions of side rails of the bedstead and loosely disposed over the mattress of the bed for engaging the ankles of the exerciser.

2,245,332
WATER HEATER
Homer D. Dufault, Easthampton, Mass., assignor to Holyoke Heater Company, Holyoke, Mass., a corporation of Massachusetts
Application May 6, 1940, Serial No. 333,500
5 Claims. (Cl. 122—250)

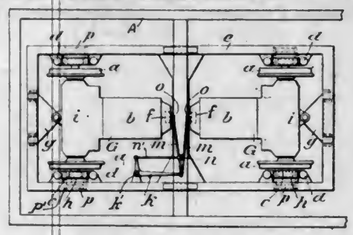


1. A water-heater of the class described comprising in combination, a support member adapted to be connected to an inlet and outlet of a hot-water system and having associated therewith a water-carrying means, a casing member in removable engagement with said support member, and upper and lower cap members for removably engaging said support and casing members, said lower cap member being hingedly engaged with said casing member, all adapted and arranged whereby said members when in engagement substantially enclose said water-carrying means.

2,245,333
MOTOR TRUCK HAVING RADIAL AXLE GUIDING STRUCTURES
Max Frei, Neuhausen, Switzerland, assignor to the firm Schweizerische Industrie-Gesellschaft, Neuhausen, Switzerland
Application December 23, 1938, Serial No. 247,505
In Switzerland May 3, 1938
4 Claims. (Cl. 105—168)

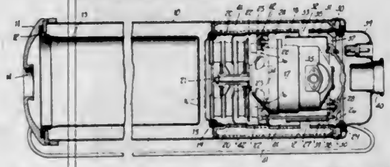
1. In a rail vehicle having a motor truck provided with automatically adjusted radial axle guiding structures adapted to carry motor actuated axle driving means, a vehicle frame carrying

the body of the vehicle, a truck frame, two of said axle guiding structures carried by said truck frame, a truck and body interlock pivotally supporting said vehicle frame on said truck frame centrally between the axles, means for elastically supporting said truck frame on said axles, connecting means immovably inter-connecting said truck frame and the outer ends of said structures except for vertical spring adjustments between



said parts, a common adjusting device for said structures intercalated between said truck frame and the inner ends of said structures, and linking means interposed between said device and said vehicle frame positively influencing said device only in accordance with the longitudinal movements of said vehicle frame relatively to said truck frame, for preventing relative transverse movements of said frames from influencing said guiding structures.

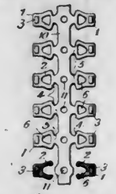
2,245,334
VACUUM CLEANER
Ernst Fredrik Georg Fredlund, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application March 25, 1939, Serial No. 264,063
In Germany March 29, 1938
2 Claims. (Cl. 230—232)



1. In a vacuum cleaner, a casing, hollow structure within and spaced from said casing to form a space therebetween, a hollow member within and spaced from said hollow structure to form a channel therebetween, an electric motor within said hollow member, and a fan driven by said motor for producing flow of air through said channel, said hollow structure being formed with an opening connecting said space with said channel and said space being otherwise closed, said opening and said space being so dimensioned with respect to each other and to said channel that the natural resonant frequency of said space is within the range of dominant frequencies of the air flowing through said channel.

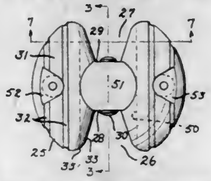
2,245,335
METHOD OF PRODUCING COLORED ZIP-FASTENER ELEMENTS
Sim Frey, Ruschlikon, Switzerland
Application October 5, 1936, Serial No. 104,138
In Switzerland November 27, 1935
3 Claims. (Cl. 204—23)

1. In a method of producing electrolytically colored metal slide fastener elements clampingly engageable with a support in straddling relation thereto, the steps comprising shaping a strip of metal into a plurality of elements each having a pair of limbs adapted to clamp onto a support for use, said elements being fully formed except at the inner faces of the extremities of their limbs, the inner faces of said limb extremities being connected with a continuous self-supporting carrier rib constituted by a longitudinally extending central portion of the material of said strip and having connecting portions for the individual pairs of limb extremities, said connecting portions merging integrally into said limb extremities, punching holes in said rib at points adjacent said connecting portions for



facilitating electrical connection to said rib throughout its length, applying an electrolytic coloring substance to said strip, connecting an electric current to said strip by pins extending into said punched holes to substantially uniformly distribute the electrolytic flow to the elements throughout the length of said strip for uniformly electrolytically coloring all of said elements, and removing said elements from said strip by severing same at the limb extremities, whereby the only portions of said elements not uniformly colored are the inner faces of the extremities which in use are clampingly pressed against a support and therefore are invisible.

2,245,336
HIGHWAY MARKING SYSTEM
Van Alvin Hamilton, Palestine, Tex.
Application April 14, 1938, Serial No. 201,928
1 Claim. (Cl. 88—79)

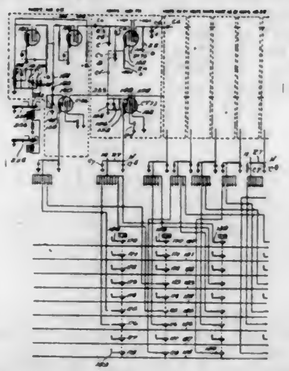


A road marker comprising an oval shaped body adapted to be secured to the surface of a roadway, said body having peripheral recesses forming outwardly facing vertical walls, and a reflector mounted in each of said vertical walls, a groove on the nether side of the body forming with the roadway a passage between the reflectors so that the recesses will not become clogged with obscuring material, the side walls of said recesses being rounded outwardly and upwardly to admit a tire for wiping action with the reflectors.

2,245,337
ELECTRICAL MUSICAL INSTRUMENT
Laurens Hammond, Chicago, Ill.
Application September 12, 1938, Serial No. 229,447
14 Claims. (Cl. 84—1.26)

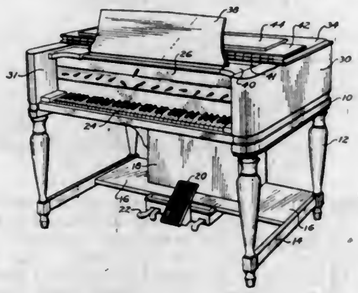
1. In an electrical musical instrument having a plurality of terminals, the direct current potentials of which determine the intensity at which

the notes of the musical scale are sounded, keying circuits for determining the direct current potentials of said terminals comprising, a plurality of sources of direct current potential of graduated voltage, a plurality of keys, a plurality of switches operated by each of said keys, each of said switches having a pair of contacts, a high resistance connection from one contact of each



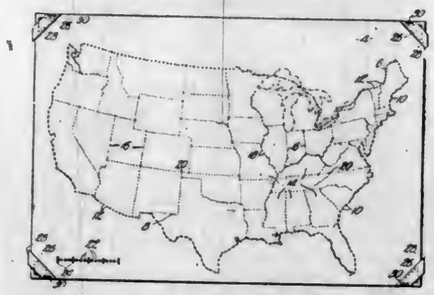
of said switches to one of said terminals, there being a plurality of said high resistance connections between the contacts of a plurality of said switches respectively and a single one of said terminals, and selectively operable means to determine the direct current potentials of the other contacts of said switches by selective connection to said sources.

2,245,338
MUSICAL INSTRUMENT
Laurens Hammond, Chicago, Ill.
Application July 30, 1940, Serial No. 348,414
9 Claims. (Cl. 84—1.01)



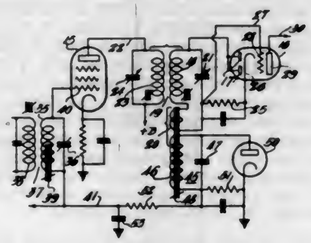
1. In an electrical musical instrument, a case, a manual having electrical elements and supported by said case, an assembly comprising some of the electrical parts of the instrument movably mounted in said case, the electrical parts of said assembly being adapted to be connected to electrical elements of said manual, the combination of an insulating terminal strip secured to said assembly, a plurality of lugs secured to said terminal strip, an insulating terminal strip secured to said case, a plurality of lugs mounted on said second terminal strip, and a plurality of coil springs respectively connecting lugs on said first terminal strip with lugs on said second terminal strip, whereby said assembly may be shifted relative to said case without disturbing the electrical connections formed by said springs between the electrical parts of said assembly and the electrical elements of said manual.

2,245,339
PERFORATED MAP
Ralph S. Harris, Kansas City, Mo., and Vernon W. Lapp, Lawrence, Kans.
Application February 23, 1939, Serial No. 257,830
1 Claim. (Cl. 35—40)



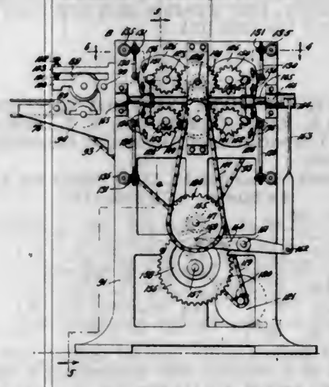
A device for producing outline maps on blackboards or the like, comprising a thin sheet of flexible material provided with a plurality of openings and a number of windows therethrough, two of said windows being positioned one adjacent each upper corner of said sheet, said openings being arranged to outline an area designating a geographical territory, and a strip of material having pressure responsive adhesive on one side thereof overlying each window respectively to engage the portion of the blackboard exposed therethrough when the sheet is flattened thereagainst to temporarily secure the sheet in place, said strips being long enough to extend across the window and beyond the edge of the sheet to further engage the blackboard.

2,245,340
TUNED RADIO SIGNAL CIRCUIT
Robert L. Harvey, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1939, Serial No. 276,665
11 Claims. (Cl. 179—171)



1. In a tuned radio signal circuit, an inductive reactance responsive to the flow of relatively strong signal currents therethrough to vary the tuning of said circuit from a higher to a lower resonant frequency, said reactance comprising an inductive winding and a core element therefor so proportioned that the flux and permeability increase with an increase in signal potential across said circuit and a resulting increase in signal current through said winding.

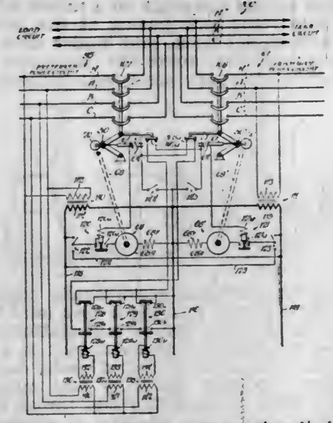
2,245,341
BUFFING MACHINE
August Hormel, Hoboken, N. J., assignor to National-Standard Company, a corporation of Michigan
Original application August 18, 1937, Serial No. 159,730. Divided and this application December 29, 1938, Serial No. 248,199
2 Claims. (Cl. 15—102)



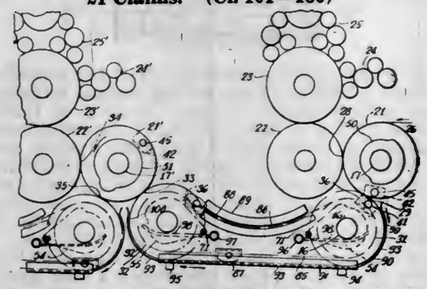
1. In a machine of the character described, two pairs of buffing rollers between which an oiled plate is moved, shafts carrying said buffing rollers, each of said shafts carrying a gear, a driving gear mounted between and co-acting with one of said gears from each pair and meshing with the gears on the shafts of each of said rollers, a driven gear meshing with the driving gear and interposed between and meshing with two buffing roller gears constituting the second buffing roller gear from each pair, the driving and driven gears being each mounted on a shaft, the shafts for said driving and driven gears each pivotally supporting a pair of plates, each of said plates receiving the shaft of one of the buffing rollers, and adjusting means for each plate whereby the plate may be pivotally moved on the shaft which supports it to bring a buffing roller toward or away from its companion roller in the pair.

2,245,342
ELECTRIC CONTROL SYSTEM
Peder B. Hoye, Maywood, Ill., assignor to Electrical Engineers Equipment Co., Melrose Park, Ill., a corporation of Illinois
Original application February 1, 1937, Serial No. 123,325. Divided and this application April 1, 1940, Serial No. 327,170
10 Claims. (Cl. 171—97)

10. A system for automatically transferring a load circuit from a preferred alternating current power circuit to an auxiliary alternating current power circuit comprising, in combination, a circuit breaker individual to each power circuit for connecting it to said load circuit, a motor individual to each circuit breaker, linkage means operatively interconnecting each motor and its circuit breaker, a control relay for each motor and a winding therefor, an armature connected to each linkage means and movable therewith, a core disposed in cooperative relation with each armature, a holding winding on each core, circuit means connecting said holding windings in series circuit relation, relay means disposed to be energized from said preferred power circuit, contact means controlled by said relay means for normally connecting the relay winding individual to the preferred power circuit in series circuit relation with said holding windings and for energization to said preferred power circuit, and additional contact means controlled by said relay means for connecting the relay winding individual to the auxiliary power circuit in series circuit relation with said holding windings and for energization to said auxiliary power circuit on the occurrence of a fault on said preferred power circuit.



2,245,343
PRINTING PRESS
Irving A. Hunting, South Plainfield, N. J.
Application September 30, 1938, Serial No. 232,596
21 Claims. (Cl. 101—136)

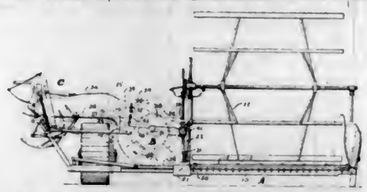


1. In a multicolor unit-type sheet-fed offset printing press, a chain-carried gripper transfer from one unit to the next, consisting of a plurality of gripper bars, each with a gear segment at either end, which segment is brought into mesh with a gear or gear segment on the impression cylinder before the sheet is transferred from the cylinder to the bar or from the bar to another impression cylinder.

2,245,344
ELEVATING DEVICE FOR BINDERS
Howard M. Johnston, Toronto, Ontario, Canada, assignor to Massey-Harris Company Ltd., Toronto, Ontario, Canada, a corporation of Canada
Application December 18, 1939, Serial No. 309,725
6 Claims. (Cl. 56—135)

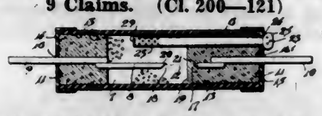
1. A binder of the class described, comprising a platform conveyor, an elevating device and a substantially horizontal binder deck, said elevating device positioned between said conveyor and

binder deck and comprising a rotor having mounted thereon spaced rows of circumferentially positioned arms, an elevating deck adapted to receive the grain from said conveyor and extending horizontally for a short distance and then being curved upwardly on a radius with the axis of said rotor terminating at the receiving end of said binder deck, said binder deck being positioned somewhat above the horizontal plane of said axis, strippers positioned between said



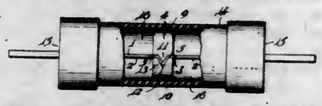
rows of arms and being eccentrically positioned relative to said rotor forming a deep inlet throat adjacent the delivery end of said platform conveyor and a gradually reduced throat to a point near the horizontal plane of said binder deck and then being extended upwardly and outwardly to thereby form an outlet for said throat to said binder deck, said arms adapted to contact the grain after it enters said throat and be disengaged therefrom near the horizontal plane of said deck.

2,245,345
ELECTRIC FUSE
Franklin S. Klein, Malverne, N. Y.
Application May 6, 1938, Serial No. 206,473
9 Claims. (Cl. 200—121)



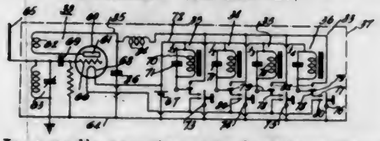
5. In an enclosed cartridge fuse, the combination of a tubular casing having contact terminals and a combustion chamber, a strip of fusible metal having a relatively short section thereof reduced in cross-section and more fusible, and, a body of material which is heat conducting, dielectric, and refractory, and arranged in an end of said casing to form a refractory mass which includes a cross-section of the casing and an end part of said more fusible section of the trip, an end part of said more fusible section extending from said mass, a vent comprising a tube having a perforated portion, said tube being secured in position by said mass and extending through the mass with an end of the tube at the exterior of the fuse and said perforated portion within the combustion chamber of the fuse.

2,245,346
ELECTRIC FUSE
Franklin S. Klein, Malverne, N. Y.
Substituted for abandoned application Serial No. 157,288, August 6, 1937. This application May 15, 1939, Serial No. 273,883
10 Claims. (Cl. 200—131)



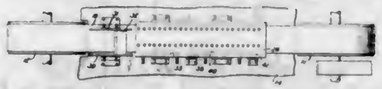
1. In the combination of a fuse link and a partition composed of dielectric material stationed transverse to the fuse link; a fuse link having an intermediate portion which forms a relatively short and more fusible part of the link, a partition tightly clamping and tightly confining only the middle part of said more fusible part of the fuse link and preventing an electric arc thereat, each end part of said fusible part extending clear of said partition and therefore more readily fused than the middle of said fusible part, whereby, excess electric current is caused to produce, simultaneously, two separate and relatively small ruptures of the fuse link.

2,245,347
RADIO REMOTE CONTROL SYSTEM
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 15, 1938, Serial No. 240,461
4 Claims. (Cl. 250—17)



2. In a radio remote control system, the combination of a control unit comprising a tunable oscillator, means for radiating a carrier wave from said oscillator at a predetermined high frequency, an anode circuit and a cathode circuit for said oscillator, a plurality of vibrator devices each comprising an inductive winding, means for tuning said windings to differing audio frequencies, and means for directly energizing the oscillator anode circuit selectively from each of said vibrator windings as sources of operating and modulating energy for the oscillator, thereby to modulate said carrier wave at any one of said audio frequencies.

2,245,348
FOLDING MACHINE
Frank Laver, Chicago, Ill.
Application May 9, 1940, Serial No. 334,119
11 Claims. (Cl. 270—94)



1. Folding apparatus comprising an endless conveyor for articles to be folded, a folding element adjacent one edge of the conveyor adapted to engage and form a fold in an end of an article moving along said conveyor, and presser rolls contacting the upper surface of said conveyor for retaining said articles against slippage relative to the conveyor during the folding operation.

2,245,349
ILLUMINATING CANE
Frank P. Lombardi, Mount Vernon, N. Y.
Application July 27, 1939, Serial No. 286,855
2 Claims. (Cl. 240—6.42)

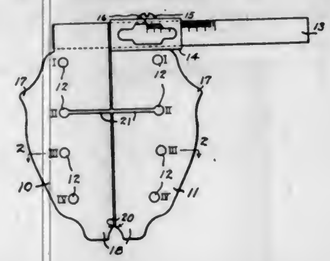
1. A walking stick of the character described comprising a cap formed with an upper and a lower threaded section in its inner wall, a metallic tube externally threaded at one end and supported in the upper threaded section of said cap, the other end of said tube formed with a socket to hold an electric bulb, a plurality of batteries in said tube, an electric bulb in said socket, a housing for said metallic tube and said

electric bulb, said housing externally threaded at one end and secured in the lower threaded section of said cap, a hollow translucent elon-



gated portion affixed to the other end of said housing and means for closing an electric circuit through said batteries and said electric bulb.

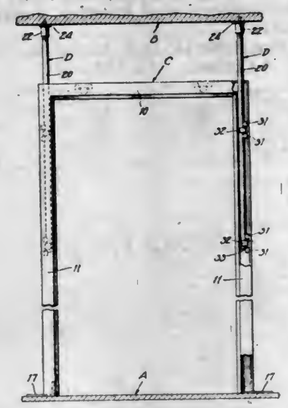
2,245,350
SACRAL FORAMINA FINDER
George R. Marshall, Seattle, Wash.
Application May 23, 1939, Serial No. 275,177
6 Claims. (Cl. 33—189)



1. A sacral foramina finder for application to the human body to locate the posterior sacral foramina and facilitate the administration of transsacral block anesthesia, comprising plate means; means indicating two reference points on opposite sides of the vertical center line and near the upper end portion of said plate means to be placed in a predetermined position with respect to the posterior superior spines of the ilium; and means provided by said plate means for indicating the correct location of the posterior sacral foramina when said plate means is positioned with said reference points in proper relation to the posterior superior spines of the ilium.

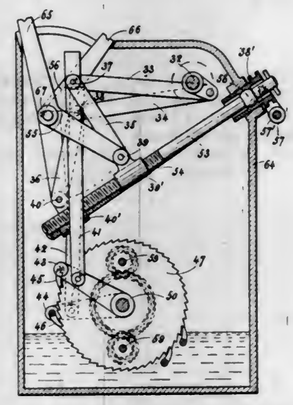
2,245,351
DOORFRAME CONSTRUCTION
Samuel K. Mittleman, New York, N. Y.
Application February 20, 1940, Serial No. 319,825
10 Claims. (Cl. 189—46)

10. A structure of the type described comprising in combination, a door or similar frame member, means for securing the frame in position to form a wall or partition therearound, guide clips and supporting clips for supporting and retaining said securing means in operative position in the frame member, and a wall or parti-



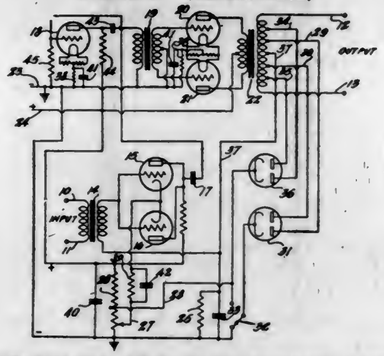
tion stud secured to said guide and supporting clips.

2,245,352
CONTROL FOR APPARATUS FOR MOVING LENGTHS OF MATERIAL
Albert Moessinger, Zurich, Switzerland, assignor to Tefag Textil-Finanz A. G., Winterthur, Switzerland
Application July 13, 1937, Serial No. 153,349
In Switzerland August 1, 1936
8 Claims. (Cl. 74—119)



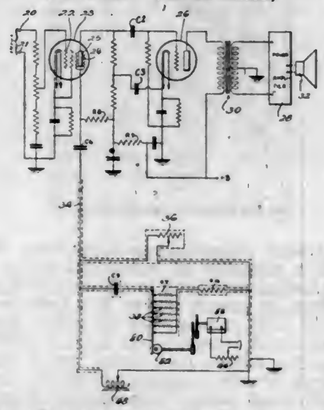
1. A power transmission comprising in combination a plurality of individual power transmitting means arranged in parallel with respect to the flow of power, power flow uniting means connected with and operatively inter-connecting said individual transmitting means, said power flow uniting means comprising speed changing means individually associated with and driven by said individual power transmitting means and having individually different speed changing ratios, and adjustable power apportioning means connected with one of said indivdual transmitting means and being adapted to adjustably control the amount of power flowing through the means with which it is connected to said power flow uniting means while said mechanism is in operation.

2,245,353
GAIN CONTROL CIRCUITS
William J. Morlock, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 14, 1938, Serial No. 213,571
4 Claims. (Cl. 179—171)



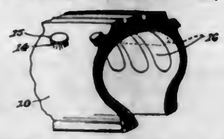
1. The combination of an amplifier provided with input and output circuits, a resistor connected in said input circuit, means for deriving from said output circuit and producing in said resistor a bias potential whereby the gain of said amplifier is gradually reduced as the signal level increases to its normal value, means for deriving from said output circuit and producing in said resistor a bias potential whereby the gain of said amplifier is reduced more rapidly when the signal level exceeds its normal value, and means for preventing the production of said latter bias potential until said signal level has attained its normal value.

2,245,354
ELECTRICAL MUSICAL INSTRUMENT
Matthew Z. Mroz, Chicago, Ill., assignor to Hammond Instrument Company, Chicago, Ill., a corporation of Delaware
Application December 8, 1938, Serial No. 244,555
6 Claims. (Cl. 84—1.25)



1. In an electrical musical instrument in which the electrical signals are amplified by a multielectrode electron discharge device having a screen grid and translated into sound, means for producing a tremulant effect comprising a network connecting said screen to a point of fixed potential, said network including inductive and capacitative reactances, and a variable resistance, and means for varying said resistance at a tremulant periodicity.

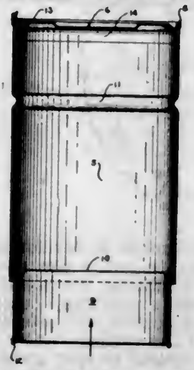
2,245,355
TIRE BALANCING
Thomas W. Mullen, Indianapolis, Ind.
Application May 23, 1938, Serial No. 209,488
6 Claims. (Cl. 154—14)



1. For balancing a tire having a heavy side, a tire casing, a close assembly of a plurality of flexible weights formed to be yieldingly secured to the inner side of the tire casing and having a spaced apart structure arranged and limited to dissipate heat of internal friction during use.

5. The method of balancing overbalanced tire casings which comprises applying a thin layer of preformed material of uniform thickness throughout except thinned at the edges to the interior surface of the light side of the casing in an amount substantially equal in weight to that of the overbalance of said casing.

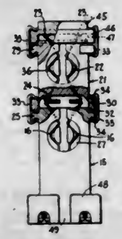
2,245,356
METHOD OF MAKING AND FILLING CONTAINERS
Edward M. Murphy, Glendale, Calif.
Application December 5, 1938, Serial No. 243,915
4 Claims. (Cl. 226—1)



1. The method of fabricating a double container which consists in forming a resilient support in the interior of a receptacle body having a frangible strip formed therewith, hermetically sealing one end of said body with a closure member having a conical seat, inserting a receptacle past said support to position the same between the latter and said closure member with the upper edge of said receptacle in sealing engagement with said seat, and hermetically sealing the other end of said body.

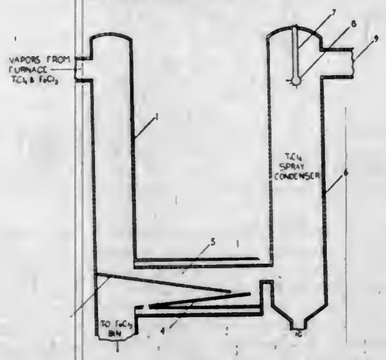
2,245,357
ELECTRIC LIGHT SOCKET
Charles Newman, Bronx, N. Y.
Application April 8, 1940, Serial No. 328,408
9 Claims. (Cl. 173—328)

1. In an electric light socket of the class described, two socket units each for operative connection with a suitable lighting element provided with contact pins, one of said units being rotatably associated with the other, a set of prong elements in each of said units, means coacting with said prong elements for holding in pressing engagement therewith the contact pins of said lighting elements, the prong elements of each



unit terminating at least at adjacent ends of the units in contact portions of extended areas, the contact portions of one unit being in engagement with the corresponding contact portions of the other unit, yieldable means for holding said contact portions in pressing engagement with each other, and holding means for maintaining said contact portions in pressing engagement against the action of said yieldable means.

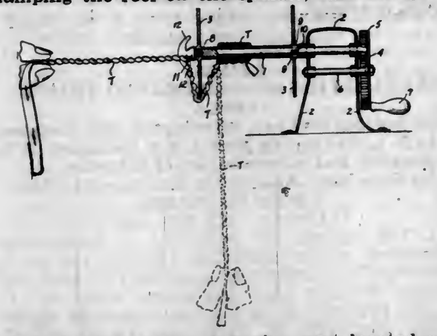
2,245,358
CHLORINATION OF TITANIUM BEARING MATERIALS
Alphonse Pechukas, Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application July 14, 1939, Serial No. 284,561
10 Claims. (Cl. 75—111)



1. A method of removing iron chloride from a vaporized mixture of iron chloride and titanium tetrachloride which comprises condensing iron chloride in the mixture and washing the vapor mixture containing at least a portion of the iron chloride with liquid titanium tetrachloride to precipitate suspended solid iron chloride.

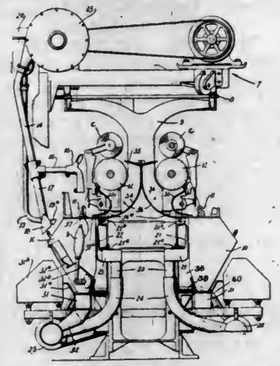
2,245,359
YARN MAKING
Charles G. Perry, St. Louis, Mo.
Application February 15, 1941, Serial No. 379,031
5 Claims. (Cl. 57—1)

1. A device of the kind described comprising, a spindle, means for rotating the spindle, a demountable reel on the spindle, and means for clamping the reel on the spindle, said clamping



means having a yarn engaging part located eccentrically of the spindle.

2,245,360
SPOOLER
Burt A. Peterson, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application October 26, 1938, Serial No. 237,022
13 Claims. (Cl. 242—35.5)



1. In an automatic spooler, the combination of a frame providing an endless track, a traveling mechanism mounted to travel along said track, means for supporting a series of bobbins from which yarn is to be wound, bobbin pockets for said bobbins, means for supporting a series of cheeses onto which the yarn from said bobbins is to be wound, a plurality of drums for driving said cheeses, said bobbins and cheeses being arranged in sections with a driving drum for each of said sections, an elongated chamber beneath each of said drums, means on said traveling mechanism for discharging a blast of air downwardly along said bobbin pockets, and an air exhaust system for removing lint from said bobbin pockets and from said chambers including a plurality of exhaust manifolds one for each of said sections disposed rearwardly of the bobbin pockets and beneath the chambers, said chambers having outlet openings disposed adjacent said manifolds, an exhaust trunk extending along each side of said frame and connections between said trunks and the respective manifolds, said bobbin pockets having lower outlet openings, and elongated troughs extending along opposite sides of the frame beneath the bobbin pockets and having outlet openings connected

with said trunks, said air blast being operative to advance the lint along said troughs to said outlet openings.

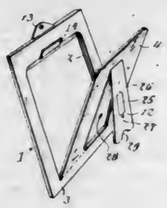
2,245,361
PREPARATION OF 2-MERCAPTO THIAZOLINES
Paul Swithin Pinkney, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 21, 1940, Serial No. 320,009
12 Claims. (Cl. 260—302)

1. The process of preparing a 2-mercapto thiazoline which comprises heating an N-(2-hydroxyalkyl) amide of a carboxylic acid and carbon disulfide at temperatures above 50° C. in the presence of at least one member of the group consisting of water and caustic alkali, employing at least 2 moles of carbon disulfide for each mole of the 2-mercapto thiazoline to be produced.

2,245,362
PREPARATION OF 2-MERCAPTO THIAZOLINES
Paul Swithin Pinkney, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 21, 1940, Serial No. 320,010
10 Claims. (Cl. 260—302)

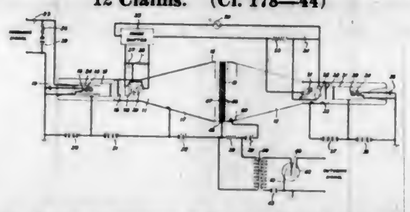
1. The process of preparing a 2-mercapto thiazoline which comprises heating an N-(2-hydroxyalkyl) formamide and carbon disulfide at temperatures of from 120° C. to about 250° C. in a closed vessel under superatmospheric pressures and in the absence of both water and caustic alkali, employing at least 2 moles of carbon disulfide and one mole of the formamide for each mole of the 2-mercapto thiazoline to be produced.

2,245,363
PICTURE FRAME
Charles S. Price, Hollis, N. Y.
Application May 25, 1937, Serial No. 144,567
12 Claims. (Cl. 40—152.1)



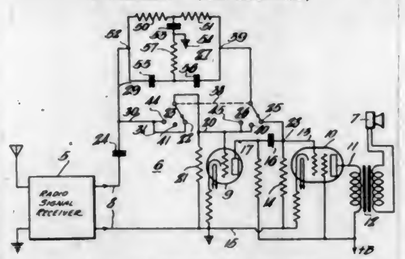
12. A picture frame comprising a decorative face portion with a suitable aperture through which the picture appears, and a back portion consisting of cardboard provided with a door portion allowing for the reception of said picture between said door and face portions, an easel hinged to said door portion, and a locking member extending between said easel and frame, hinged at its upper end to one, and with its free end portion reduced to form a lug which frictionally fits an aperture or pocket in, and is confined between the faces of, the other.

2,245,364
CATHODE RAY DEVICE
Robert R. Riesz, Mount Vernon, and Hugh S. Wertz, Forest Hills, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 29, 1937, Serial No. 145,442
12 Claims. (Cl. 178—44)



11. In combination with a cathode ray device having means for generating and deflecting two electron beams, a source of oscillations, means for deriving from said source of oscillations deflecting voltages to apply to the means for deflecting one of said beams to cause said beams to move in a closed path, means for deriving from said source potentials to apply to the means for deflecting said second electron beam to cause said second means to be deflected in a closed path, and means for adjusting the phase of the movement of said electron beams with respect to each other.

2,245,365
AUDIO-FREQUENCY AMPLIFIER
James M. Riddle, Jr., West Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1940, Serial No. 316,616
6 Claims. (Cl. 250—20)

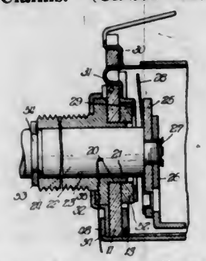


1. In an audio frequency amplifier, the combination of means providing a main amplifier channel, means providing an external inverse feedback circuit for said channel, a filter network having a predetermined frequency characteristic, and means for selectively connecting said network in the main amplifier channel and in the external inverse feedback circuit, thereby to provide signal attenuation and signal accentuation selectively through the amplifier within the response range of the filter network.

2,245,366
HARDENING COBALT-NICKEL-CHROMIUM-IRON ALLOYS
Wilhelm Rohn, Hanau - on - the - Main, Franz Bollenrath, Berlin-Johannisthal, and Heinrich Cornelius, Berlin-Adlershof, Germany
No Drawing. Original application July 26, 1938, Serial No. 221,394. Divided and this application December 24, 1938, Serial No. 247,696. In Germany April 24, 1936
1 Claim. (Cl. 148—4)

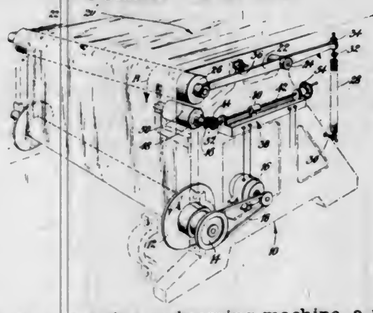
Method of hardening an alloy consisting of from 14 to 17% chromium, 14 to 16% iron, 5 to 7% molybdenum, 15 to 27% cobalt, and 52 to 33% nickel, which method consists in cold working the said alloy.

2,245,367
ELECTRICAL CONTROL UNIT
Newton C. Schellenger, El Paso, Tex., assignor to Chicago Telephone Supply Company, Elkhart, Ind., a corporation of Indiana
Application April 6, 1939, Serial No. 266,244
8 Claims. (Cl. 201—55)



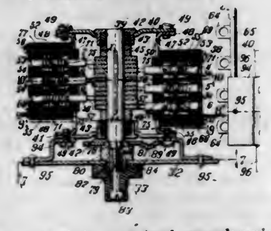
1. In an electrical control unit assembly, a base having an opening therein, a separate shaft bearing thimble having a portion engaging one face of the base and having its bore in line with the opening in the base, control mechanism upon the opposite face of the base, a shaft operatively connected to said mechanism and extending through the bore of the thimble, the base having a lateral extension thereon, a plate on the thimble side of the base having portions overlying portions of the thimble, shoulders on the plate adjacent to the lateral extension of the base, and a housing upon the opposite side of the base, said housing having ears extending beyond the base and engaging the plate to maintain the members in assembled relation, certain of the ears interfitting with the lateral extension of the base and the shoulders on the plate to prevent relative rotation of the parts.

2,245,368
DEVICE FOR MAINTAINING A CONSTANT TENSION ON YARNS IN WARPING
Hellmut Schlick, Burgstadt, Saxony, Germany
Application October 11, 1939, Serial No. 298,868
In Germany February 21, 1938
4 Claims. (Cl. 28—36)



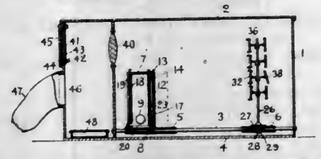
1. In a warping or beaming machine, a mechanism adapted to rotate a beam for warping yarns, a driving motor, a stepless change speed drive arranged between said driving motor and said mechanism for regulating the speed of said mechanism, a support swingably mounted in said machine, a guide roller for guiding the yarns, said guide roller being journalled in said support, means connected to said support for holding said assembly of support and guide roller in equilibrium under normal tension of the yarns, and a friction roller journalled in said machine, said friction roller being arranged near to said guide roller and being connected to said stepless change speed drive for controlling same, said assembly of support and guide roller being adapted to yield under increased tension of the yarns whereby said guide roller contacts said friction roller for driving same so as to control said stepless change speed drive for varying the speed of the mechanism.

2,245,369
CAM SWITCH
William M. Smith, Chicago, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a corporation of New York
Application October 19, 1939, Serial No. 300,207
5 Claims. (Cl. 200—16)



1. In an electric control mechanism, a plurality of similar switches each comprising an operating plunger, a rotary shaft, a plurality of closely assembled cams fixedly mounted on the shaft, the switches being divided into a plurality of similar groups, means for housing each group of switches with the plungers arranged parallel to one another and projecting in the same direction in equally spaced relation from one another, means for supporting the shaft and the housings in different selected arcuate positions around the shaft, the housings being staggered with relation to one another longitudinally of the shaft so that each plunger will extend radially inward in a selected plane transverse to the shaft into engagement with a selected cam, the cams being equally spaced longitudinally of the shaft and so arranged circumferentially of the shaft that in each arcuate position of the shaft a selection of switches will be moved to closed position and a selection to open position.

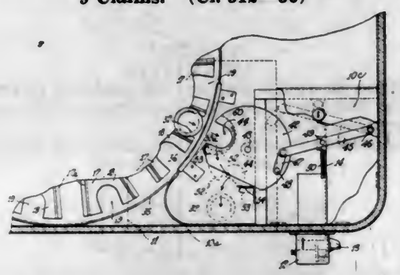
2,245,370
CAMERA
Jacob T. Uden, New York, N. Y.
Application June 17, 1940, Serial No. 340,879
10 Claims. (Cl. 88—24)



1. A camera comprising an elongated box, a projector adjustably supported in the lower rear portion of the box, means to support a negative image at the front of the projector, means to support a positive image at the rear of the projector, an electric lamp at the bottom of the

projector, means to support a piece of light-sensitive paper at the rear of the box above the projector, and a plurality of adjustably supported mirrors in the front portion of the box for reflecting a distorted and multiple image from the projector onto the paper.

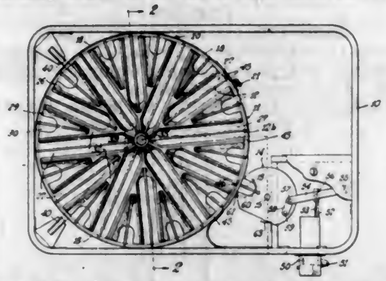
2,245,371
VENDING MACHINE
Sidney Van Tuyl, Berwyn, Ill., assignor to Claude R. Kirk, River Forest, Ill.
Application January 5, 1939, Serial No. 249,441
9 Claims. (Cl. 312—36)



1. A vending machine comprising a housing, an article carrier arranged for rotative movement about a vertical axis in said housing, said carrier having a plurality of radially extensive slot formations therein opening into the periphery thereof and into which articles having constricted portions may be slid for support thereon, guard means extending around said carrier throughout a predetermined portion of its periphery to prevent removal of articles radially out of said slots, the remaining unguarded portion about said carrier constituting a dispensing station, and dispensing means including a dispensing member arranged for oscillation about a vertical axis opposite said dispensing station and having a slot formation opening radially therefrom for alignment with a slot formation in said carrier, means normally urging the slot formation in said dispensing member into radial alignment with a slot formation in said carrier to receive an article therefrom, said article being irremovable from said dispensing member when the same is in normal position, and coin-controlled means for moving said dispensing member out of normal position into dispensing position wherein an article may be removed therefrom, and ejecting means coacting with said dispensing member to automatically eject an article therefrom upon movement thereof toward dispensing position.

2,245,372
VENDING MACHINE
Sidney Van Tuyl, Berwyn, Ill., assignor to Claude R. Kirk, River Forest, Ill.
Application January 5, 1939, Serial No. 249,442
11 Claims. (Cl. 312—35)

1. In a vending machine, a rotatable magazine carrier including a plurality of article supporting arms projecting radially of the axis of rotation thereof, said arms being adapted to have articles suspended in pendant fashion therefrom, said articles being adapted to be removed from said arms only by movement of the articles radially off the free ends of the arms, and dispensing means including a dispensing member arranged for movement into and out of substantially radial alignment with any one of said arms and onto which dispensing member an article may be transferred by radial movement off a supporting arm onto the dispensing member, means for preventing removal of an article transferred as



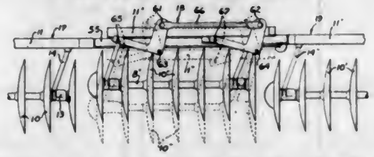
aforesaid from the dispensing member so long as the latter is in alignment with the supporting arm as aforesaid, and means for moving said dispensing member from aligned position to a dispensing position wherein said transferred article may be removed therefrom.

2,245,373
MAGNETIZABLE CORE
Adolf Weis and Günther Drewes, Berlin-Charlottenburg, Germany, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application January 4, 1938, Serial No. 183,260
In Germany December 30, 1936
4 Claims. (Cl. 171—242)



1. In a variable inductance device having a coil and a magnetic core movable relative to each other, said core comprising a core body having a magnetic cross section smaller than that required for a desired inductance characteristic of the device, said core body having its peripheral surface recessed along the direction and over substantially the entire extent of said relative movement, and additive magnetic means disposed at said recessed surface and distributed over substantially said entire extent so as to adjust the magnetic cross section locally at different points along said core to said desired characteristic.

2,245,374
DISK HARROW
Charles H. White, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 25, 1939, Serial No. 264,058
Renewed July 13, 1940
39 Claims. (Cl. 55—81)



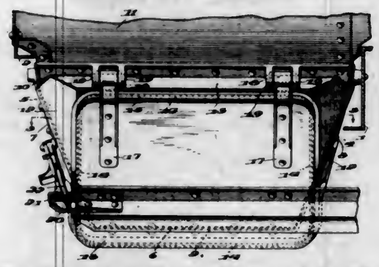
1. A harrow gang comprising, in combination, a main disk section, a second disk section, and means connecting said sections together providing for vertical movement of said second section relative to said main section, but maintaining the two sections substantially parallel in all positions.

2,245,375
CLIP
William R. Wiley, Birmingham, Mich.
Application December 5, 1939, Serial No. 307,647
6 Claims. (Cl. 189—88)



5. In an assembly comprising a channel-shaped molding member having inturned flanges and an apertured panel, a clip for securing said molding to said panel, said clip having a cup-shaped base portion extending through the aperture in said panel and being complementary in shape thereto, means on the cup-shape portion of said clip for engaging one side of said panel adjacent said aperture, resilient means also on the base portion of said clip adapted to engage the other side of said panel adjacent said aperture, and molding engagement means formed integral with said base portion adapted to secure said molding strip in predetermined position with respect to said panel.

2,245,376
HOPPER CAR DOOR
William E. Wine, Toledo, Ohio, assignor to Unitcast Corporation, Toledo, Ohio, a corporation of Ohio
Application December 18, 1939, Serial No. 309,880
2 Claims. (Cl. 105—280)



1. The improvement in sheet metal railway hopper car doors for use with cast metal door frames varying in size within predetermined minimum and maximum tolerance limits and having sealing flanges surrounding the lading discharge opening thereof whose outer faces are disposed at an acute angle to the plane of said opening, said improvement consisting in providing the door with rearwardly extending marginal flanges adapted to be in contiguous overlapping relation with the outer faces of the sealing flanges of the door frame and to provide with the sealing flanges of a frame having said minimum tolerance limits a space progressively decreasing in width toward the outer end of the marginal flanges, the distance between the inner faces of the outer end portions of oppositely disposed ones of said marginal flanges being less than the distance between the outer faces of the inner end portions of correspondingly opposed sealing flanges of a frame having said maximum tolerance limits so that when the door is first applied to a frame of said maximum limits said marginal and sealing flanges cooperate to prevent complete closure of the door and force is required to be applied to the door to cause it to assume completely closed position, and the distance between the inner faces of the inner end portions of said marginal flanges being at least as great as the distance between the outer faces of the outer end portions of said sealing flanges of said maximum frame so that the outer end portions of the marginal flanges will remain in contact with said sealing flanges as the door is forced to its completely closed position.

2,245,377
PRODUCTION OF CARBONYL COMPOUNDS
Walter Ziese, Mannheim, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 2, 1939, Serial No. 259,387. In Germany March 1, 1938
4 Claims. (Cl. 260—601)

1. The method of producing aldehyde and ketones which comprises contacting in aqueous medium alkylene halogen hydrins selected from the group consisting of alkylene chlor- and bromhydrins wherein the halogen atom and the hydroxy group are in alpha-position to each other, with magnesium compounds exerting a basic reaction in aqueous medium, and distilling off the carbonyl compounds formed.

2,245,378
SPINDLE AND BEARING THEREFOR
Merton H. Arms, Springfield, Vt., assignor to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont
Application July 7, 1938, Serial No. 217,886
6 Claims. (Cl. 308—65)

1. A cylindrical bearing bushing having a pair of transverse slots extending through its wall spaced lengthwise thereof and a pair of circumferentially spaced grooves in the outer face of said bushing intersecting said slots and defining therewith a segmental portion integral with the remainder of said bushing and bonded thereto by walls of less thickness than the remainder of said bushing, said portion being deflectable to permit taking up wear while maintaining complete circumferential continuity of the inner face of said bushing between said slots.

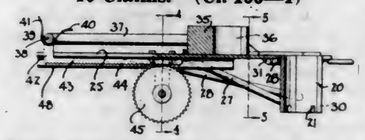
2,245,379
SIGNAL AMPLIFYING SYSTEM
Loy E. Barton, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 30, 1940, Serial No. 326,849
3 Claims. (Cl. 179—171)



3. A signal amplifier comprising in combination a pair of metallic chassis plates, means for holding said plates in predetermined substantially parallel spaced relation to each other compris-

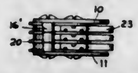
ing a series of spaced shield members extending between and engaging said plates, said shield members being spaced to provide tube locations alternately therewith along the chassis on opposite plates, means providing tube terminal connections in said locations spaced on each side of the chassis by a distance of the order of the combined width of two tubes and two shield members, the terminals on opposite sides of the chassis being separated and isolated by the shielding provided by said spaced chassis plates.

2,245,380
ROD ELEVATOR DEVICE
Gustavis A. Bass, Liberty, Tex.
Application July 8, 1940, Serial No. 344,465
10 Claims. (Cl. 166—1)



1. An operating platform for rod or pipe elevators comprising a support connected to the well head where the rods or pipe is being manipulated, a sleeve to be received by said support, a platform carried by said sleeve, means on said platform to receive the elevator, and means to move said first means and consequently the elevator to and from the rods or pipe.

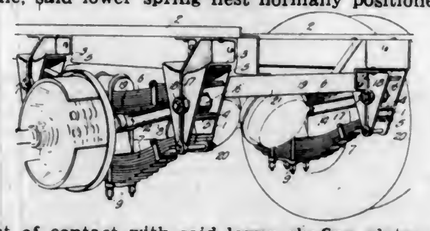
2,245,381
KEY HOLDER
Glenn L. Biggs, Kenmore, N. Y.
Application June 7, 1939, Serial No. 277,851
6 Claims. (Cl. 70—456)



1. A holder device comprising a pair of separable side plates respectively having an elongated face shape whose edges are spaced apart in substantial parallelism throughout the respective perimetric lengths thereof, the opposite end regions of each such plate being respectively provided with a shank receiving aperture therethrough of which corresponding plate apertures align axially, a pair of internally threaded tubular spacer posts respectively having both opposed ends shouldered and abuttingly interposed between the inner plate faces in a bridging relation to certain of such corresponding apertures and thereby fixedly hold said plates in a positively spaced relationship, and headed fastening means including a shank fitted through each of said plate apertures into abutting engagement with the shouldered post end contiguous thereto, said pair of posts and their fastening means constituting the sole support means extending between said side plates to fixedly retain the same in spaced relation against flatwise inward collapse and relative edgewise shift.

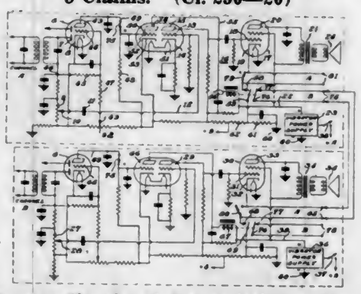
2,245,382
SPRING ASSEMBLY FOR TANK VEHICLES
Ralph A. Bradley and Doyle D. Buttolph, Kansas City, Mo., assignors to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application February 8, 1940, Serial No. 317,847
5 Claims. (Cl. 267—38)

1. A spring assembly including in combination an axle, a nest of spring leaves above said axle, a nest of spring leaves below said axle, means for clamping said spring nests to said axle, vehicle body supporting means, chafing plate assemblies supporting said last named means, said chafing plate assemblies comprising upper chafing plates and lower chafing plates, said upper spring nest normally contacting said upper chafing plates and supporting the load upon said axle, said lower spring nest normally positioned



out of contact with said lower chafing plates, a link pivotally connecting said axle and one of said chafing plate assemblies, the arrangement being such that when a heavy load is supported by said spring assembly, the upper spring nest will flex to permit the load to be carried by said lower spring nest through said lower chafing plates.

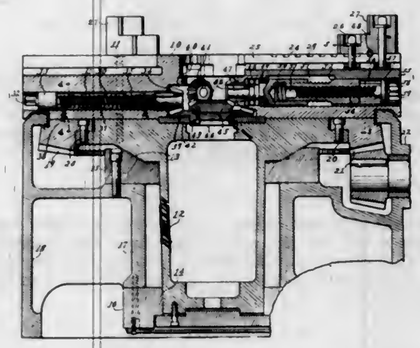
2,245,383
RADIO RECEIVING SYSTEM
Charles A. Brokaw and Julius A. Renhard, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application February 6, 1940, Serial No. 317,504
8 Claims. (Cl. 250—20)



1. In a radio signal transmission system, the combination with a pair of signal conveying channels of signal rectifier means connected with each of said channels having output circuits providing signal variable biasing potentials, direct current amplifier means having control circuits connected with said output circuits providing control currents responsive to variations in said biasing potentials, an output load circuit for said system, relay means connected in circuit with said direct current amplifier means for response to the output current of said amplifiers, means connected with and controlled by said relay means for energizing said load circuit in response to received signals in at least one channel, and a vibrator power supply device connected with said load circuit to supply energy thereto through said last named means.

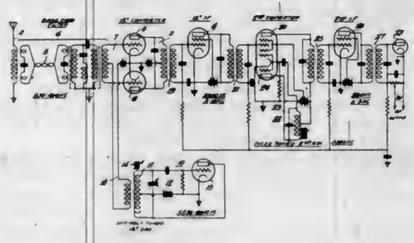
2,245,384
CHUCK OPERATING MECHANISM
Edward P. Bullard, III, Fairfield, Conn., assignor to The Bullard Company, a corporation of Connecticut
Application February 16, 1939, Serial No. 256,758
13 Claims. (Cl. 279—112)

1. In a chuck actuating mechanism, a table; a jaw slidably mounted therein; a gear centrally located axially of said table; a rotatable member adapted to be driven by said gear; hollow internally-threaded motion-transmitting means integral with said member; a non-rotatable, axially-movable member threadedly connected



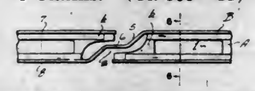
to said motion-transmitting means; a rotatable element journaled in said jaw, connected to, and including means for moving said jaw relatively to said non-rotatable member; and means for rotating said gear, said gear-rotating means being adapted to advance or retract said slidably mounted jaw relatively to the center of the table.

2,245,385
DOUBLE HETERODYNE SIGNAL RECEIVING SYSTEM
Wendell L. Carlson, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 29, 1940, Serial No. 321,539
7 Claims. (Cl. 250—20)



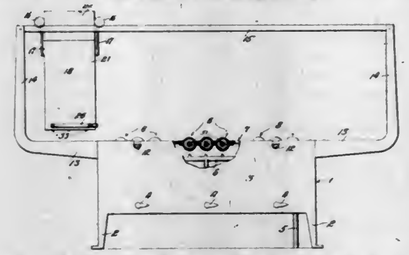
1. In a double heterodyne signal receiving system, the combination of band pass signal receiving circuits responsive to signals in a predetermined frequency band, a first converter coupled thereto, a first oscillator for said converter tunable in a predetermined frequency range, a second oscillator tuned to a frequency outside of and relatively close to said first oscillator frequency range, and signal amplifying and converting means including a second converter and a first intermediate frequency amplifier coupled between said converters having a predetermined pass band in a range below the frequencies of said oscillators, said means providing a second intermediate frequency signal of substantially constant frequency in response to drift in the frequencies of said oscillators.

2,245,386
PISTON RING
Paul Carlton, St. Louis, Mo., assignor to William N. Bachman, Mathew Jellinels, and Paul Carlton, copartners doing business under the name of Berul Piston Ring Company, St. Louis, Mo.
Application November 28, 1938, Serial No. 242,762
6 Claims. (Cl. 309—45)



1. A composite piston-ring comprising, in combination, a flat split-ring and a pair of ribbon-steel ring-members respectively disposed flatwise upon the opposite end-walls of the split-ring, said steel-rings being integrally connected the one to the other by an intermediate section extending transversely through the gap between the ends of the split-ring and having a central step-like portion, said flat split-ring being cut-away at its ends for complementarily fitted disposition around the step-like portion.

2,245,387
BAKING MACHINE
Frederik Christie, New York, N. Y.
Application November 5, 1940, Serial No. 364,381
8 Claims. (Cl. 107—66)

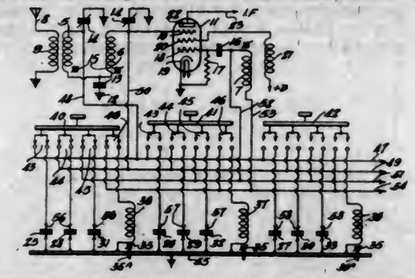


1. In a device of the character described, a baking mold, a receptacle for containing both batter and a lubricant and mounted to be positioned above the mold, said receptacle having outlets for permitting batter to reach the mold when the receptacle is so positioned and having outlets for permitting lubricant to reach the mold, and a reciprocating control device for first opening the lubricant outlets, then closing the same and then opening the batter outlets and then closing the batter outlets and opening and closing the lubricant outlets upon a single reciprocating stroke of said control member.

2,245,388
PRESELECTION TUNING SYSTEM
William H. Conron, Haddonfield, Robert L. Harvey, Oaklyn, and Wendell L. Carlson, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application October 8, 1938, Serial No. 233,918
1 Claim. (Cl. 250—40)

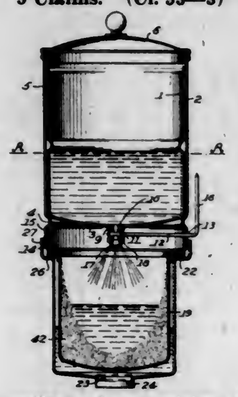
In a superheterodyne receiver, the combination of a tunable band pass input circuit selectively responsive to signals in a plurality of different relatively narrow spaced frequency bands, a tunable oscillator circuit for said receiver comprising a plurality of adjustable tuning coils selectively connectable in circuit therewith and permanently installed in the receiver, means for shifting the band pass response of said circuits and the tuning range of said oscillator in said different

spaced frequency bands comprising a plurality of interchangeable tuning capacitor units selectively insertable in said oscillator and band pass circuits, said capacitor units including fixed ca-



pacitors which resonate with the adjustable oscillator coils in said different spaced frequency bands, and said oscillator coils being adjustable for tuning said oscillator circuit through all of said bands.

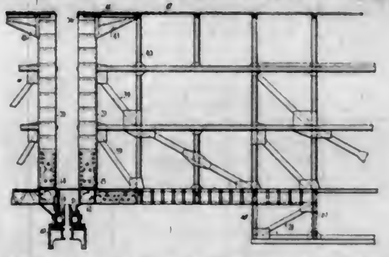
2,245,389
COFFEE BREWING APPARATUS
Leonhard Cremer, Bad Kreuznach, Germany
Application August 5, 1938, Serial No. 223,262
In Germany August 18, 1934
5 Claims. (Cl. 53—3)



1. A drip coffee pot comprising a valve controlled hot water container, a housing for placement above a vessel for collecting the infusion, said housing having an opening at its bottom and being provided with a shoulder at its top, a filter bag for the reception of coffee grounds, and a lower and an upper clamping ring arranged in said shoulder, the upper end of said filter bag being inserted in the space between said two clamping rings, the valve controlled hot water container being seated on said upper clamping ring, and the filter bag being suspended within said housing and having its bottom in a level above said opening.

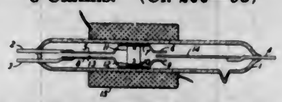
2,245,390
END CONSTRUCTION FOR RAIL CARS
Albert G. Dean, Narberth, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 13, 1934, Serial No. 720,489
9 Claims. (Cl. 105—421)

1. In an end construction for railway cars, an end sill casting having its lateral portions terminating a substantial distance short of the car sides and having a short arm projecting outwardly and carrying the center bearing for the car, and laterally and upwardly extending vertical front wall light-weight truss structures rigidly connected to the lateral portions of the



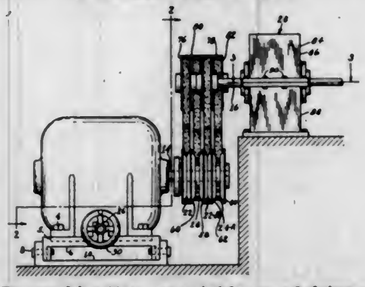
end sill and extending to the roof and side wall trusses of the car and tying into the framing of the same, to transmit a substantial portion of the eccentric loading on the end sill casting into the roof and side wall trusses.

2,245,391
POLARIZED RELAY
Emil Dickten, Jr., Totowa, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 11, 1940, Serial No. 344,901
8 Claims. (Cl. 200—93)



1. In a circuit controlling device, a gas-tight vessel, a contact spring of magnetic material, a permanent magnet in bridge of a portion thereof, a second contact spring of magnetic material, said contact springs being enclosed in said vessel, and a coil outside said vessel operative to cause the engagement of the contacts of said springs only in response to its energization by current of one polarity.

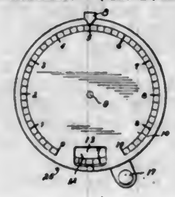
2,245,392
VARIABLE SPEED TRANSMISSION
Daniel C. Drill, Wabash, Ind., assignor to American Rock Wool Corporation, Wabash, Ind., a corporation of Indiana
Application December 19, 1938, Serial No. 246,550
6 Claims. (Cl. 74—286)



1. In combination, a variable speed drive mechanism, a slidably mounted, self-aligning variable speed pulley mechanism adapted to be provided with a plurality of V-belts for driving said speed drive mechanism, a main driving shaft operatively connected to said pulley mechanism, a slidably

mounted support for said main driving shaft, including means whereby said driving shaft and said pulley mechanism may be moved with respect to said drive mechanism, and a pivotally mounted base for said support whereby said pulley mechanism may be pivotally moved to and from said drive mechanism.

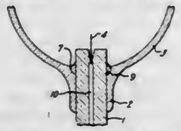
2,245,393
DEMAND INDICATOR
Rudolph A. K. Fleischmann, Philadelphia, Pa., assignor to The Eastern Specialty Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 6, 1939, Serial No. 303,136
9 Claims. (Cl. 171—34)





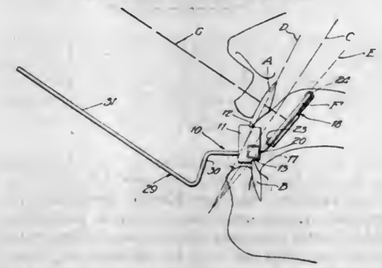
1. In combination a demand actuated primary element, a first indicator movable by the primary element only in the advancing movement of said element, a second indicator, a manually operable reset member, and means operable under the initial movement of the reset member to move the second indicator to zero and operable under continued movement of the reset member to move the first indicator to zero and to move the second indicator from zero forward to a degree equal to the movement of the first indicator from its then indicating position back to zero.

2,245,394
HERMETIC SEAL
Victor J. Francis, North Wembley, and Eric Ketlewell, Wembley Park, England, assignors to General Electric Company, a corporation of New York
Application January 27, 1941, Serial No. 376,228
In Great Britain January 2, 1940
2 Claims. (Cl. 176—126)



1. An envelope for an electric discharge device of the high pressure type, said envelope having a perforated part consisting of a vitreous material which has the characteristics of quartz, a plug of similar vitreous material fused into and hermetically sealing said envelope part, said plug extending from the interior to the exterior of said envelope, and an electrical conductor extending through said plug, said conductor comprising a thin, foil-like strip of metal hermetically fused into and terminating in said plug at an appreciable distance from the end of said plug in said envelope and a metal wire connected to said strip in said plug and extending into said envelope, the dimensions of said wire being such that it is incapable of making a fused hermetic joint with said plug, the part of said plug surrounding said wire being in said envelope to increase the mechanical strength of said envelope.

2,245,395
X-RAY ANGULATOR INSTRUMENT
Julius M. Goldberg, New York, N. Y.
Application May 2, 1940, Serial No. 332,869
4 Claims. (Cl. 250—64)



1. An instrument for use in the taking of X-ray pictures of teeth comprising in combination, a solid bite block having opposed upper and lower teeth engaging surfaces, an X-ray film holder member, means for slidably mounting said holder member at the rear of said bite block for lateral adjustment and at an upwardly extending angle therefrom, and a directional finder guide element carried by said bite block and extending forwardly and upwardly from the front thereof at an angle, said directional finder guide element being at a predetermined angle to the angle of the holder member so that a central ray of an X-ray beam projected toward said holder member in parallel relation to directional finder guide will be disposed in a path at right angle to the angle of a plane bisecting the angle formed by the longitudinal axis of a tooth and the plane of an X-ray film held by said holder member.

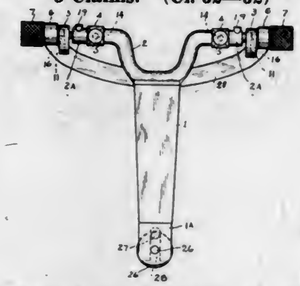
2,245,396
SHEET FEEDING AND REGISTERING MECHANISM
Charles W. Harrold, University Heights, and Howard A. Pritchard, Hiram, Ohio, assignors to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Delaware
Application March 13, 1940, Serial No. 323,831
32 Claims. (Cl. 271—46)



9. In a machine of the class described, a uniformly rotating sheet receiving cylinder, a continuously non-uniformly rotating sheet transfer member, means for forwarding sheets to the transfer member tending to advance them at a substantially uniform speed greater than the slowest peripheral speed of the transfer member, stops on the transfer member adapted to engage the front edge of a forwarded sheet during the time the peripheral speed of the transfer member is less than the speed of the sheet forward-

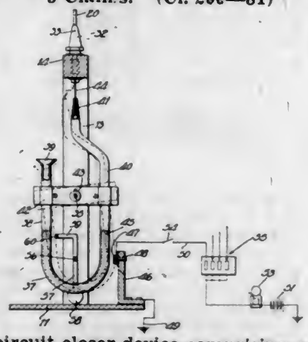
ing means, and means separate from the transfer member for side registering the sheet while against said stops.

2,245,397
ARTICULATOR
Herman Hellborn, Brooklyn, N. Y.
Application November 26, 1938, Serial No. 242,443
3 Claims. (Cl. 32—32)



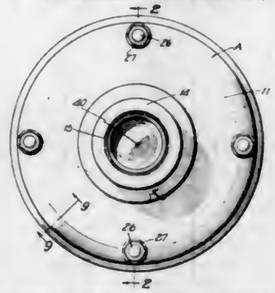
1. An articulator comprising, in combination, two jaws adapted to selective adjustment for two kinds of relative reciprocation, longitudinal reciprocation alone and longitudinal reciprocation combined with transversal reciprocation, condylar fulcrums secured to one of said jaws, condylar guides secured to the other of said jaws at regulable distance in gaps, between said jaws, wider than the thickness of said guides, means for limiting the longitudinal reciprocation to a definite normal length, and means for adjusting the inclination of said guides, said same last mentioned means being adapted to simultaneously adjust the articulator for either of said two kinds of reciprocation, and to automatically lengthen backward the path of longitudinal reciprocation beyond said normal length simultaneously with the adjustment of the articulator for transversal reciprocation and for thereby obtaining, in addition to the tightly guided movement, the possibility of a loose free movement in all directions of the plane of mastication with, including the backward direction, all inclinations of said plane.

2,245,398
FIRE ALARM SYSTEM
Charles L. Hill, Cranford, and Lawrence Fahn, North Plainfield, N. J.
Application July 1, 1939, Serial No. 282,412
5 Claims. (Cl. 200—81)



1. A circuit closer device comprising a support, a horizontal rod fixedly mounted in said support, a holder member rockably mounted on said shaft, a substantially U-shaped tube member having leg portions and a bight portion, means connecting the leg portions to said holder equidistant from the axis of turning movement of said holder member, an inwardly offset tubular extension formed integral with one leg portion of said U-shaped tube member, said tubular extension terminating in a restricted air pressure inlet, a length of relatively small diameter flexible tubing having one of its ends fitted into the inlet while the other end of said tubing is adapted to be connected to an air pressure line, and a liquid substance partially filling said U-shaped tube member and serving to assist in normally holding the same in balance whereby air pressure in excess of atmospheric pressure which may be introduced into said tube member through the inlet end thereof will cause the shifting of the liquid substance from the inlet leg portion to the other leg portion of the U-shaped tube member to effect an overbalancing of the tube member to cause the lower portion of the inlet leg portion to swing outwardly in an operating direction, and an electric push switch arranged in the path of outward operative swinging movement of the said inlet leg portion for actuating the same.

2,245,399
VACUUM MUFFLER
Charles L. Hill, Cranford, N. J.
Application August 3, 1940, Serial No. 350,199
4 Claims. (Cl. 181—56)

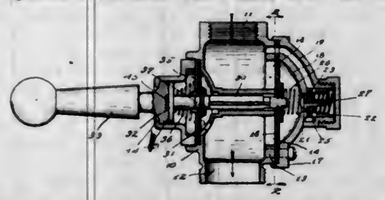


1. A vacuum type muffler comprising in combination, an annular casing having an axially alined inlet and an outlet in the respective opposed end walls thereof, a pair of baffle members, means for maintaining said baffle members in spaced parallel relation from each other and in spaced relation to the walls of said casing to provide a pair of gas inlet chambers and a single gas outlet chamber, the baffle member nearest the inlet having a gas inlet opening in axial alinement with said inlet but of a smaller diameter, spaced overlapping arcuate shape baffles on the confronting side walls of the inlet chambers to cause a whirling of the hot gases as they pass through the inlet chambers and for initially cooling the hot whirling gases, and spaced spiral overlapping baffles provided on the confronting side walls of the outlet chamber, the inner ends of the spiral baffles terminating at said outlet whereby the initially cooled gases are further cooled and whirled as they pass about the spiral baffles to be exhausted to the atmosphere through said outlet.

2,245,400
FLUSH VALVE
Hugh Hill, Anderson, Ind.
Application April 16, 1938, Serial No. 202,404
6 Claims. (Cl. 137—93)

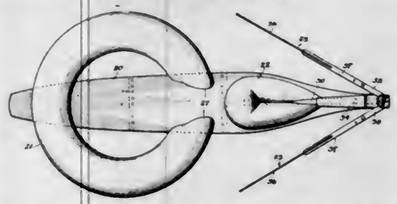
1. A flush valve, comprising a hollow body

having spaced inlet and outlet openings, a partition extending across the interior of said body between said inlet and outlet openings, one side wall of said body having a plane outer surface and being provided with openings therethrough on opposite sides of said partition to form a grille, a cover for said grille, a valve disk of flexible material interposed between said grille and cover and seating upon the grille, said cover being spaced from said valve-disk over the center



portion thereof to define a pressure chamber, said cover being provided with a passage affording communication between said pressure chamber and the interior of said body on the inlet side of said partition, a valve member disposed in said passage and movable toward said chamber to close, a restricted passage through said valve member, means biasing said valve member toward closed position, and means for forcing said valve disk from its seat on said grille.

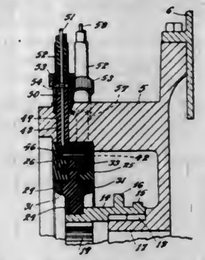
2,245,401
PROPULSION DEVICE
William H. Hooker, Phoenix, Ariz.
Application February 7, 1939, Serial No. 254,995
9 Claims. (Cl. 9—1)



1. In combination, a floating support, a pair of paddles, a resilient strip rigidly connected to each of said paddles, and a retaining screw extending through each of said strips at the end opposite said paddles for pivotally mounting the respective strips, said screws being carried by said support adjacent the front end thereof, said resilient strips functioning normally to hold the paddles in a predetermined position out of the liquid in which the support floats while permitting an upward and downward movement and a rotary movement around said screws.

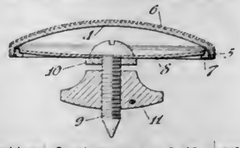
2,245,402
IGNITION DISTRIBUTOR
John Joyce, Rockville, Conn., assignor to Ada Ahern Joyce, Rockville, Conn.
Application January 18, 1939, Serial No. 251,571
12 Claims. (Cl. 123—146.5)

1. In an internal combustion engine comprising a casing, a plurality of cylinders mounted in said casing, spark plugs in said cylinders, and an ignition system for supplying current to said spark plugs; a distributor in said ignition system comprising a plurality of opposed annular members mounted to the casing of said engine, a rotor extending partially between said annular members; said annular members having opposed grooves therein, current conductors exposed within said grooves, means connecting the said conductors in one of said annular members to the said spark plugs, a source of current, means for connecting said current to the said conducting



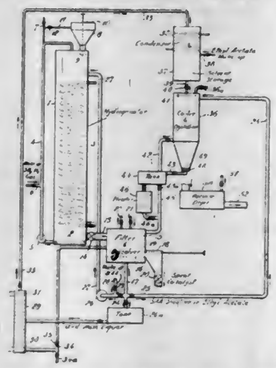
means in the other of said annular members, and conducting means in said rotor successively movable between the said conductors in said annular members for distributing said current supply to the said spark plugs.

2,245,403
SPRING BUTTON FASTENER
Albert E. Jydstrup, Minneapolis, Minn.
Application March 7, 1940, Serial No. 322,690
6 Claims. (Cl. 24—105)



1. In a button fastener and the like, a button body having oppositely disposed catch portions, a substantially straight resilient element removably secured between said catch portions, and a single, substantially straight securing post secured to said element for attaching the element and button body to a support.

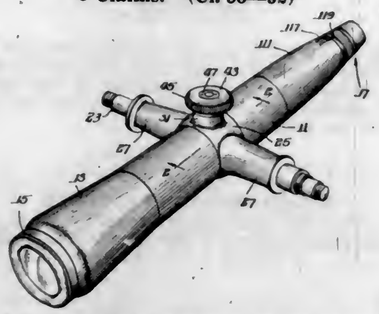
2,245,404
MANUFACTURE OF SUCCINIC ANHYDRIDE
Mearl Alton Kise and Ralph Richter Wenner, Syracuse, N. Y., assignors to The Solvay Process Company, New York, N. Y., a corporation of New York
Application February 3, 1939, Serial No. 254,402
6 Claims. (Cl. 260—341)



1. The method of making solid succinic anhydride, which comprises subjecting a solution

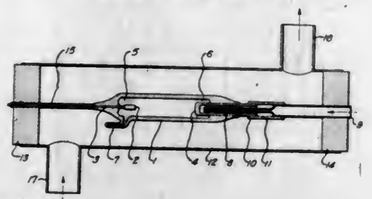
of maleic anhydride in an organic solvent, said solution being saturated with succinic anhydride, to catalytic hydrogenation so as to precipitate succinic anhydride from the solution at the rate at which it is formed, and separating precipitated succinic anhydride from the solution.

2,245,405
TELESCOPE
Adolph Langsner, Chicago, Ill., assignor to Eugene Dietzgen Co., Chicago, Ill., a corporation of Delaware
Original application February 1, 1935, Serial No. 4,433. Divided and this application December 24, 1937, Serial No. 181,678
5 Claims. (Cl. 88—32)



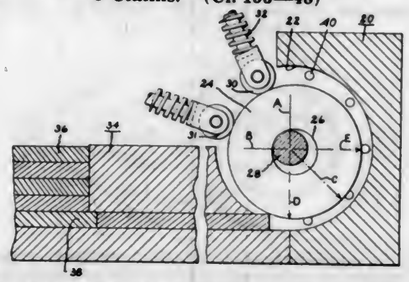
1. A telescope comprising a barrel having an opening, an adjustable support for an optical element in the barrel, a collar tightly embracing the barrel and having an opening therein registering with the opening of the barrel, adjusting means for said support, comprising a turnable stem having a portion extending in said aligned openings and supported on and by said collar and having an outwardly extending end adapted for manipulation from outside of the barrel to adjust said support within the barrel, said collar being formed with an arm projecting outwardly of the telescope and forming an axle for mounting the telescope for tilting movement about the axis of the axle, said collar supporting said stem in position with its axis lying in the plane of and extending at right angles to the axis of said axle.

2,245,406
ARTIFICIALLY COOLED HIGH-PRESSURE MERCURY-VAPOR DISCHARGE TUBE
Hendricus Johannes Lemmens and Eduard Gerardus Dorgelo, Eindhoven, Netherlands, assignors to General Electric Company
Application May 6, 1940, Serial No. 333,654
In Germany April 14, 1939
2 Claims. (Cl. 176—122)



1. A lighting apparatus comprising in combination, a light transmitting vessel having apertures for the passage of a cooling medium therethrough, a high pressure vapor discharge lamp mounted in said vessel, said lamp comprising an elongated tubular envelope having an anode mounted at one end thereof and a cathode at the opposite end thereof, a quantity of vaporizable metal about each of said electrodes, the part of said anode projecting from said vaporizable metal being approximately 2.66 to 10 times larger in cross section than the corresponding part of said cathode, a current inlead wire for said cathode extending from said lamp through the wall of said vessel, said anode being an elongated hollow body having a closed end extending into the space defined by said envelope and an open end protruding from said envelope, a tube extending from the exterior of said vessel to the interior of said hollow anode for providing a flow of the cooling medium to the closed end of said anode, the part of said tube in said anode having an external diameter substantially less than the internal diameter of said anode to provide an annular passage between these elements and a perforated tube physically connecting said anode and said first named tube together in said vessel, said annular passage and said perforated tube permitting the flow of the cooling medium from the interior of said anode to the interior of said vessel.

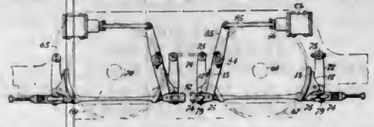
2,245,407
APPARATUS FOR ROLL FORMING STRIP MATERIAL
Jean A. Lignian, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 2, 1938, Serial No. 228,142
5 Claims. (Cl. 153—48)



4. An apparatus for forming strip stock to an arcuate shape, comprising in combination; an immovable semicircular die element, a floating roll loosely journaled upon a fixed axle and held a spaced distance from said die element at all times, external loading means acting upon the outer surface of said roll for yieldably urging the roll toward the element, means for forcing strip stock between the roll and the element whereby the roll is shifted with respect to its axle, said last means advancing the strip between the roll and die element for progressively changing the position of the roll with respect to its axle and simultaneously forming the strip stock to the desired shape.

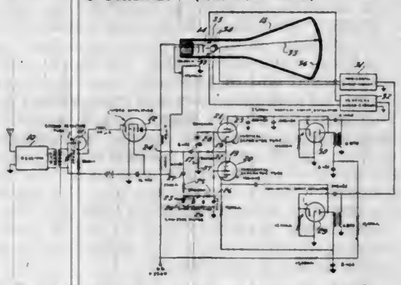
2,245,408
BRAKE RIGGING
Thomas R. McGowan, Pittsburgh, Pa., assignor to The American Brake Company, Swissvale, Pa., a corporation of Missouri
Original application May 25, 1938, Serial No. 209,936. Divided and this application January 5, 1940, Serial No. 312,557
2 Claims. (Cl. 188—56)

1. In a brake rigging, the combination of a truck frame, a brake cylinder secured to said frame at the outer side of each wheel, a vertical brake cylinder lever associated with each brake cylinder and pivotally attached intermediate its ends to said truck frame and operatively connected at its upper end with the piston of the associated cylinder, a plurality of horizontal transversely extending levers one disposed on one side of each wheel and each operatively connected at its outer end with the lower end



of the associated brake cylinder lever, a plurality of other horizontal transversely extending levers one disposed on the other side of each wheel and each pivotally attached at its outer end to the truck frame, a rod connecting the inner ends of the two levers associated with each wheel, and a brake element secured to each lever intermediate its ends and cooperating with the associated wheel to provide clasp brakes for the wheels.

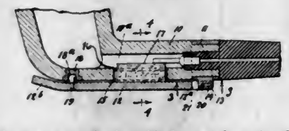
2,245,409
METHOD AND SYSTEM FOR TELEVISION COMMUNICATION
Horace G. Miller, Belleville, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of New Jersey
Application August 2, 1939, Serial No. 287,940
6 Claims. (Cl. 178—7.5)



1. In the art of television communication, the method of operation which comprises transmitting video signal and synchronizing signal together as a composite signal, applying the composite signal to an input circuit of separator means and in such manner that only the negative peaks of the composite signal get through said separator means by way of said input circuit, and applying to another input circuit of said separator means only undesirable electrical surges which occur and which are simultaneously applied with the composite signal on said first-named input circuit whereby such surges applied simultaneously to said input circuits cancel out and are accordingly prevented from getting through said separator means.

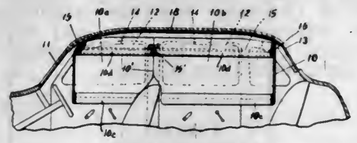
2,245,410
SMOKING PIPE AND THE LIKE
Herman David Rudolph Mühlichen, Hoboken, N. J.; John Gerhart Christian executor of Herman David Rudolph Mühlichen, deceased
Application July 26, 1939, Serial No. 286,571
2 Claims. (Cl. 131—215)

1. In a smoking pipe, and the like, having a pipe stem for the passage of smoke which is formed with a side opening, a closure for said opening comprising, a narrow stem of rigid material extending longitudinally of said pipe stem across and closing said side opening with its ends spaced substantial distances from said side opening, means for pivotally mounting the rear end of said narrow stem on the adjacent portion of said pipe stem, a socket member mounted on said pipe stem at a point adjacent the front end of said narrow stem, and a bolt element mounted upon the front end of said narrow stem and engaging said socket member for releasably holding said narrow stem, whereby one may engage the front end of said narrow stem to pivot same



open and have a substantial mechanical advantage for overcoming sticking thereof, said bolt element and socket member having complementary hook portions engaging each other longitudinally of said stems, and said means for pivotally mounting the rear end of said narrow stem comprising lugs on said stems, a pintle pin mounted in an opening in one of said lugs and engaging a slot in another of said lugs, and a leaf spring mounted in said latter opening on one of said lugs and engaging another of said lugs resiliently urging said narrow stem longitudinally of said pipe stem for maintaining the engagement of said hook portions.

2,245,411
AUTOMOBILE BEACH CURTAIN
Delia Oatman, Staten Island, N. Y.
Application May 14, 1940, Serial No. 335,067
8 Claims. (Cl. 156—10)



1. An auto beach curtain, comprising a curtain body of opaque material for extending inside of an automobile around the roof and for removable support along the windshield, the side windows and the rear window of an automobile, said curtain body having a top edge portion, and means adjacently beneath said top edge portion for pulling the top area of the curtain body tight.

2,245,412
YARN TREATING COMPOSITION AND PROCESS
Forrest D. Pilgrim, Kingsport, Tenn., and Edwin A. Robinson, Chatham, N. J., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 30, 1937, Serial No. 166,708
3 Claims. (Cl. 28—1)

1. The process which comprises preparing a cellulose acetate filling yarn for weaving by applying to the yarn a lubricating composition containing as its essential lubricating component oxidized neat's-foot oil, winding said filling yarn on a cop and using said cop in a shuttle, the lubricating treatment giving the yarn such frictional

and drag characteristics that it can be unwound from the cop in a weaving operation smoothly and without jerking or sloughing.

2,245,413
UNDERGARMENT
Israel Pilot, New York, N. Y.
Application March 23, 1940, Serial No. 325,563
6 Claims. (Cl. 2—42)

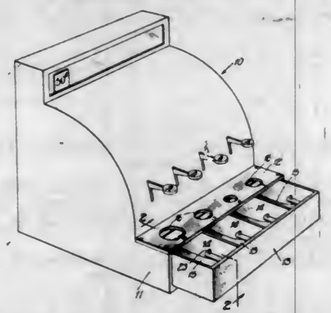


1. In a garment of the type described, a breast supporting cup or portion having its upper edge portion divided into a plurality of separate independent areas portions of which are unattached to each other, and means for supporting said areas upon the body of the wearer in such a manner as to permit of independent relative movement of said separate independent areas.

2,245,414
FLUORESCENT MATERIAL
Willard A. Roberts, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
No Drawing. Application March 14, 1940, Serial No. 323,949
3 Claims. (Cl. 250—81)

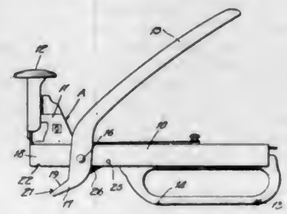
1. A fluorescent zinc beryllium silicate for gaseous electric discharge lamps containing a source of ultraviolet radiation comprising by weight approximately 60 parts zinc oxide, 40 parts silica, 1 to 10 parts beryllium oxide and 2 to 10 parts manganese dioxide.

2,245,415
COIN DRAWER
Michael Runko, Brooklyn, N. Y.
Application January 23, 1941, Serial No. 375,625
5 Claims. (Cl. 133—11)



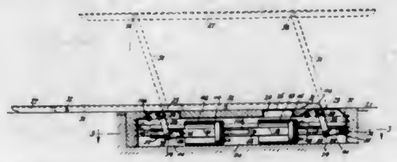
1. In combination, a money drawer having a row of coin compartments, a housing in which said money drawer is slidably mounted, the top wall of said housing having a row of spaced coin openings of different diameters to respectively receive coins of different sizes and denominations, said openings being respectively disposed over the coin compartments, means associated with each opening for supporting a coin below the horizontal plane of the top wall when inserted therein, and means movable with said money drawer for ejecting the coin supported by said first means when sliding said money drawer from an open position to a closed position to cause the coin to drop into its coin compartment.

2,245,416
FURRIER'S TOOL
Louis Scheckwitz, Long Beach, N. Y.
Application July 9, 1940, Serial No. 344,485
1 Claim. (Cl. 1—45.6)



A tool of the type set forth, comprising a straight main body member, a block carried by the forward end of said body member, a finger guard carried by the rear end of the main body member, a handle member pivotally mounted upon the body member adjacent the forward end thereof, and cooperating with the body member to form a pair of gripping handles, an off-set nose portion extending from the forward end of the pivotally mounted handle member, said nose portion cooperating with the block carried by the forward end of the body member to provide a pair of gripping jaws and cooperating with the forward end of the finger guard to provide tool positioning means, a spring connected at one end to the off-set nose portion of the pivoted handle member and at its other end to the main body member for normally moving the pivoted handle member to open position with relation to the main body member, and a staple feeding mechanism mounted upon the main body member at the forward end thereof.

2,245,417
VEHICLE LIFT
Theodore H. Schlarmann, Buffalo, N. Y.
Application December 23, 1939, Serial No. 310,805
9 Claims. (Cl. 254—91)



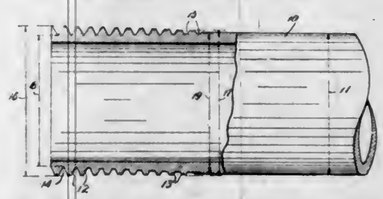
1. A vehicle lift comprising a main frame, two sets of vertically swinging lifting levers arranged in longitudinally spaced relation and each set pivoted at its lower end on said frame to turn about a transverse axis, supporting bars adapted to carry a vehicle and pivotally connected at longitudinally spaced points with the upper ends of the two sets of levers, two transverse rock shafts journaled in longitudinally spaced relation on said frame and each shaft connected with the lower ends of one set of lifting levers, a pair of operating rock arms connected with each of said rock shafts and projecting downwardly therefrom, a coupling bar connecting the lower ends of each pair of rock arms, two transverse actuating bars movable lengthwise of said supporting bars, longitudinal guideways on said frame for said actuating bars, and coupling means for detachably connecting each of said actuating bars with the respective coupling bar of one pair of operating arms and each consisting of a link pivoted at one end on said actuating bar and provided at its opposite end with a hook which engages with the respective coupling bar.

2,245,418
CONCENTRATED VITAMIN D IN EVAPORATED MILK AND PROCESS OF PRODUCING THE SAME
Reginald C. Sherwood, St. Paul, and Charles G. Ferrari, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
No Drawing. Application July 21, 1938, Serial No. 220,506
3 Claims. (Cl. 99—11)

1. A process of producing a sterile emulsion of fortified evaporated milk concentrate of vitamin D_2 which consists in dissolving activated ergosterol in butter fat, and then uniformly dispersing the butter-fat concentrate in a vehicle consisting of evaporated milk, and canning and sterilizing the resulting product.

3. A sterile liquid emulsion of vitamin D_2 concentrate consisting of activated ergosterol, a butter-fat vehicle therefor, and an evaporated milk carrier for both the vehicle and the ergosterol.

2,245,419
THREADED THIN-WALLED ARTICLE
Herman A. Unke, Cleveland, Ohio
Application June 22, 1938. Serial No. 215,189
3 Claims. (Cl. 285—145)



1. As a new article of manufacture a cylindrical tube having a threaded end portion in which the threads at the outer end of said portion have a larger outside diameter than the threads at the inner end of said portion and the latter threads have a larger root diameter than the former.

2,245,420
CUTTER HEAD FOR ELECTRIC RAZORS
Chris L. Volz, Birmingham, Mich.
Application March 20, 1939, Serial No. 262,882
4 Claims. (Cl. 30—43)

4. A cutter head for an electric razor comprising a housing, a thin flexible metal shear plate mounted in the end of the housing, a shaft rotatably mounted in the housing, means for rotating the shaft, a pair of cutters piovtally connected to the upper end of the shaft to independently turn on a common axis and yieldable means tending to turn the cutters upwardly on their pivot by pressure applied to the cutters adjacent the pivot point and maintain the same in continuous contact with the inner face of the shear

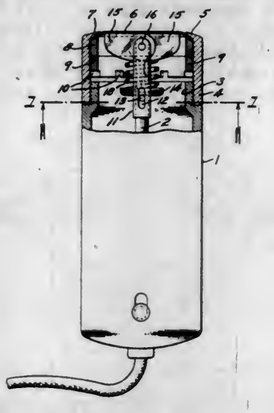
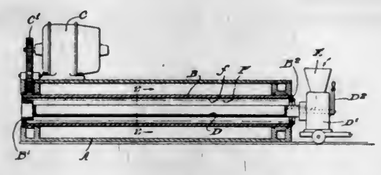


plate under decreasing pressure from the center of the shear plate outwardly.

2,245,421
METHOD OF MAKING DEFORMED STEEL TUBES
Albrecht von Frankenberg und Ludwigsdorf and Heinrich Projahn, Gelsenkirchen, Germany, assignors to United States Pipe and Foundry Company, Burlington, N. J.
Application November 25, 1938, Serial No. 242,384
In Germany December 13, 1937
1 Claim. (Cl. 29—156)

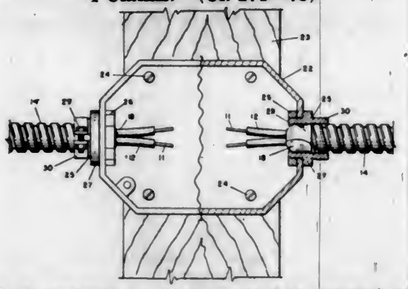


A method of manufacturing steel tubes having a relatively long cylindrical section of substantially uniform wall thickness and a relatively short section differing therefrom in cross-sectional dimensions, which consists in providing a centrifugal mold with a lining formed of loosely introduced granular substances positioned and held in place against the washing effect of the molten steel introduced into the mold to form the casting by imparting to the mold during the pouring operation a rotary speed sufficient to hold the granular particles making up the lining in fixed position against the washing effect of the molten metal, centrifugally casting in the mold so lined a steel tube with substantially smooth, continuous wall surfaces and of substantially cylindrical shape throughout its length and of substantially uniform wall thickness and of mechanically deformable composition and structure, and then subjecting said relatively short section only of the cast tube while at suitable temperatures to a mechanical deforming operation to impart thereto cross-sectional dimensions differing from those of said relatively long cylindrical section, said relatively long cylindrical section being cast to substantially the final dimensions desired therefor.

2,245,422
ARMORED ELECTRIC CABLE

William A. Whittaker, Dobbs Ferry, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware

Application August 30, 1939, Serial No. 292,546
4 Claims. (Cl. 174—78)

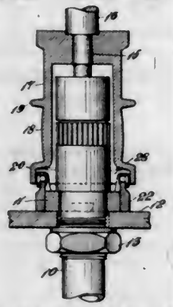


3. A protective collar adapted to prevent contact between electric conductors and the sharp end of the enclosing armor comprising a skirt and a restricted neck, said skirt being formed of electrically insulating fibrous sheet material adapted to overlie a portion of the armor and to be held between the armor and a surrounding clamp and a single continuous strip of metal covering a portion of both the inner and outer faces of said skirt, said strip being effective to maintain said armor and said clamp at the same electric potential.

2,245,423
BRAKE FOR SPINDLES

Albert E. Winslow, New London, Conn., assignor, by mesne assignments, to Atwood Machine Company, Stonington, Conn., a corporation of Connecticut

Application May 11, 1940, Serial No. 334,666
3 Claims. (Cl. 57—88)



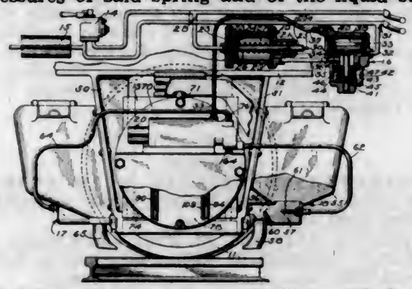
1. In a spindle having a whorl with a downwardly extending lip, a brake comprising a plurality of symmetrically positioned brake shoes within said lip, a brake band upon which said shoes are mounted arranged to be moved to and from said lip about a fulcrum positioned at a location outwardly beyond the peripheral confines of said lip, and means to expand said band to cause said shoes to engage said lip.

2,245,424
BRAKE CONTROL MEANS

Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application January 12, 1940, Serial No. 313,513
9 Claims. (Cl. 303—21)

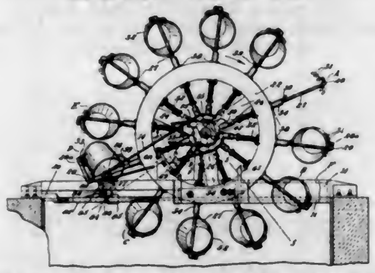
1. In a brake equipment for a vehicle wheel, braking means, brake control means cooperative with said braking means to vary the braking force on said wheel, and deceleration governor means including a pump driven by said wheel for supplying liquid under a pressure varying in accordance with the speed thereof, a spring, movable abutment means subject to the opposing pressures of said spring and of the liquid supplied by said pump for controlling a discharge communication therefor, a piston movable relatively to the abutment means and operative to actuate said brake control means, means for entrapping liquid between said abutment means and said piston to render the piston responsive to quick movement of the abutment means, and means for gradually releasing said liquid during slow movement of the abutment means.



2,245,425
GALVANIZING APPARATUS

Ralph E. Aungst, Avondale, Ohio, assignor to Reeves Steel and Manufacturing Company, Dover, Ohio, a corporation of Ohio

Application March 9, 1940, Serial No. 323,170
14 Claims. (Cl. 91—12.5)



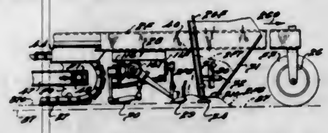
1. Apparatus for coating metal articles, including a tank of molten metal, a flux box at one end of the tank for supporting flux upon the surface of the metal, a rotating annulus supported upon a horizontal axis above the tank with its lower portion dipping below the level of the molten metal, means for rotating the annulus, radial arms carried by the annulus, means upon the radial arms for supporting articles and conducting them through the flux and molten metal when the annulus is rotated, and means for turning the radial arms upon their axes as the annulus rotates.

2,245,426
PAVING MACHINE

Robert D. Baker, Birmingham, Mich.

Application December 19, 1938, Serial No. 246,589
14 Claims. (Cl. 94—46)

1. In a paving machine including mobile means therefor, a series of compaction members each composed of a bottom shoe and a front bulldozer plate disposed transversely of said machine, a single line of linkage means spaced transversely of said compactors pivotally suspending said compactors from said machine to the level of the top of pavement to be laid thereby, a transversely disposed eccentric shaft on

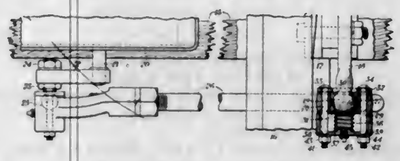


said machine, eccentrics mounted on said eccentric shaft, and rearwardly and upwardly extending arms connecting said compaction members with said eccentrics whereby upon rotation of said eccentric shaft the compaction members are given a combined generally elliptical and rocking motion.

2,245,427
RAILWAY TRACK SWITCH CONNECTING MECHANISM

Herbert L. Bone, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application November 24, 1939, Serial No. 305,861
3 Claims. (Cl. 287—90)



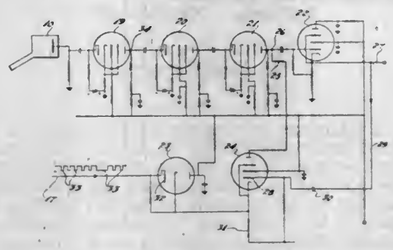
1. In a ball and socket connection comprising a first member having a transverse open-ended cylindrical bore and a second member having a shank terminating in a substantially spherical shaped head, a first bearing member disposed in said bore on one side of said head and divided in order to enable it to be fitted around the shank of said second member, a second bearing member disposed in said bore on the other side of said head, said bearing members each engaging the sidewall of said bore and having bearing surfaces shaped to conform with said head, a first external plate member having an aperture larger in diameter than said head but smaller than said bore, whereby to enable said head to be inserted through said aperture into said bore prior to securing said first plate member to said first member to partially enclose one end of said bore and provide a restraining ledge for said first bearing member, a second plate member removably secured to said first member for enclosing the other open end of said bore, and a compression spring disposed between said second plate member and said second bearing member for urging said bearing members into engagement with said head.

2,245,428
TELEVISION TRANSMITTING SYSTEM

Richard L. Campbell, Hasbrouck Heights, N. J., assignor to Allen B. Du Mont Laboratories, Inc., Passaic, N. J., a corporation of Delaware

Application May 9, 1939, Serial No. 272,612
2 Claims. (Cl. 178—7.2)

1. In a television transmitting system, a cathode-ray tube for generating video signals, an amplifier for said signals, a source of blanking pulses occurring during periods non-effective for the generation of the video signals, a degenerative circuit supplied from a stage of said amplifier and comprising an electron tube, a feed-back connection from the output circuit of said electron tube to the input circuit of a stage of said amplifier, and an electron tube supplied with

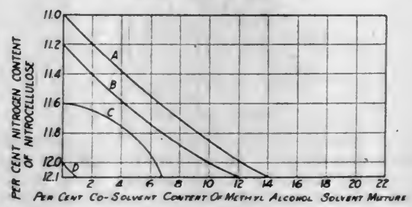


said blanking pulses and connected to said first-named electron tube and being operable, in the absence of the blanking pulses, to apply a cut-off bias on said first-named electron tube, said second-named electron tube being itself biased to cut-off by and only during occurrence of said blanking pulses whereby said first-named electron tube draws current for the feed-back action only during occurrence of said blanking pulses.

2,245,429
MANUFACTURE OF PHOTOGRAPHIC FILM BASE

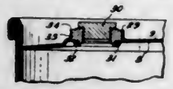
Emmett K. Carver and Clarence L. A. Wynd, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application May 18, 1937, Serial No. 143,302
5 Claims. (Cl. 18—57)



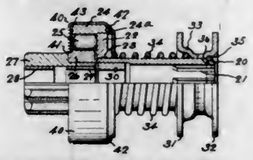
1. A high speed method of making sheeting adapted for use as photographic film base, which comprises depositing in the form of a film on a film-forming surface a solution composed of cellulose nitrate having a nitrogen content between 11.0% and 12.1% dissolved in methyl alcohol containing not over about 14%, based on the weight of solvent mixture, of a co-solvent, which solvent mixture will give a clear, homogeneous solution capable of coagulating or setting up by means of water vapor while containing at least as much solvent as the film is to contain at stripping, to produce a clear, transparent film, said solution having a composition falling within the area underneath curve A of the attached drawing, coagulating said solution by means of water vapor while containing at least as much solvent as the film contains at stripping, removing the film from the film-forming surface while still containing about 50–75% solvent, and then curing out the residual solvent.

2,245,430
CONTAINER
Harry F. Courtright, Centerburg, and Charles S. Stiles, Cleveland Heights, Ohio, assignors to The Cleveland Steel Barrel Company, Cleveland, Ohio, a corporation of Ohio
Original application July 28, 1932, Serial No. 625,360, now Patent No. 2,078,530, dated April 27, 1937. Divided and this application August 13, 1936, Serial No. 95,938
4 Claims. (Cl. 285—49)



1. A container having a portion formed of inner and outer sheet metal walls, said walls being formed with alined openings, the marginal edge of the opening in the outer wall being distended to provide an up-standing collar surrounding the opening in the inner wall, in combination with an internally threaded annulus formed of non-corrosive material for supporting a plug, fitting within said collar in engagement with the inner wall, the inner side of said annulus being provided with a flange extending through the opening in the inner wall and having interlocked engagement with the marginal edge portion thereof and said collar being welded to the outer side wall of said annulus.

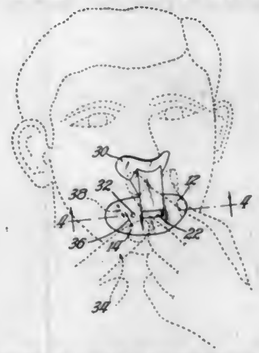
2,245,431
SUBASSEMBLY FOR OVERRUNNING CLUTCHES
Robert M. Critchfield, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application May 22, 1939, Serial No. 274,991. Divided and this application February 8, 1940, Serial No. 317,871
2 Claims. (Cl. 192—45)



1. A sub-assembly of parts of an overrunning clutch comprising, an internally splined sleeve for supporting the sub-assembly upon a drive shaft and for making a driving connection therewith, an annular plate provided at one end of the sleeve, a shell having a central opening shaped to provide clutch cams, a counterbore for receiving the plate, recesses in the flat end face of the counterbore and having a deformable flange surrounding the counterbore, said flange being deformed against the plate to prevent relative longitudinal displacement of the plate and shell, said plate having portions received by said recesses of the shell to prevent relative angular displacement of the plate and shell.

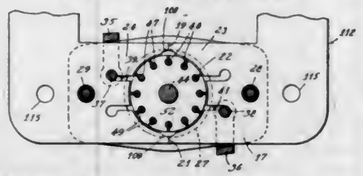
2,245,432
MUSICAL INSTRUMENT
Ernest W. Davis, River Forest, Ill.
Application January 22, 1940, Serial No. 314,967
3 Claims. (Cl. 84—330)

1. A musical instrument comprising a nose piece conformed to the general shape of that portion of a human nose which surrounds the nostrils; a barrier plate conformed to the general shape of that portion of a human face which surrounds the lips, said barrier plate having a sound aperture therein positioned to register with a performer's mouth when said nose piece is in contact with the performer's nose, and said barrier plate having a tremolo aperture therein in



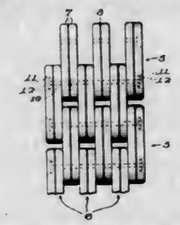
close proximity to said sound aperture; and an air passageway extending downwardly from said nose piece and terminating in a position to discharge air across said sound aperture; the length of the overall space occupied by both said apertures as measured in a horizontal direction being less than the length of an average human mouth.

2,245,433
ELECTRIC MOTOR AND METHOD OF MAKING THE SAME
Jack Delmonte, Park Ridge, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application October 13, 1939, Serial No. 299,246
4 Claims. (Cl. 172—36)



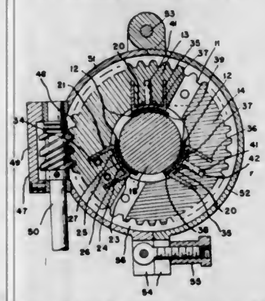
1. The combination in an electric motor, of a laminated field core having a cylindrical rotor opening therein, means passing through the laminations and fixedly retaining them with their rotor openings in fixed relative relation conforming to a true cylinder, a locating plate held fixed against each outermost lamination in a plane perpendicular to the axis of said rotor opening and having a cylindrical locating opening set with precision in concentric relation to said rotor opening, a rotor in said opening, a bearing for each end of the rotor, a supporting member for each bearing having a cylindrical locating surface finished with precision in concentric relation to and co-axial with its bearing axis and adapted to have precision fit in the cylindrical opening of the adjacent locating plate and having additional locating surfaces in a plane perpendicular to said bearing axis adapted to seat against the outer face of said adjacent locating plate to locate its bearing in axial alignment with said rotor opening, and bolts passing through the fixed laminations and the supporting members and having means for fixedly clamping the bearing supporting members to the locating plates in the positions established by said locating surfaces, whereby to accurately establish a uniform air gap between the rotor and the pole faces at the interior of the rotor opening and whereby the clamping bolts and the supporting members are removable from the laminations independently of and without disturbing the fixed relation of the first mentioned means and the laminations.

2,245,434
LEATHER LINK BELT
John L. de Rabot, Philadelphia, Pa., assignor to Alexander Brothers, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application December 21, 1938, Serial No. 247,130
3 Claims. (Cl. 74—232)



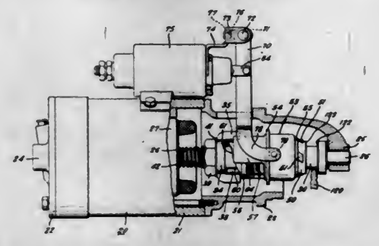
1. A link belt, comprising a transversely arranged series of links, each of which is composed of a plurality of leather plies, the flesh surfaces of each pair of adjacent plies being inwardly positioned and secured together, a permanent sheet of cementitious material of high tensile strength interposed between adjacent flesh surfaces, each link being apertured, a pin extending through said apertures and operatively connecting said links, and one ply of each of the outermost links of the series being countersunk to receive and protect the opposite ends of said pin.

2,245,435
GRINDING TOOL
James L. Dondineau and Roy S. White, Detroit, Mich., assignors of one-ninth to Paul Henze, one-ninth to Fred Canning, and one-ninth to William Bohm, all of Detroit, Mich.
Application July 10, 1939, Serial No. 283,682
4 Claims. (Cl. 51—73)



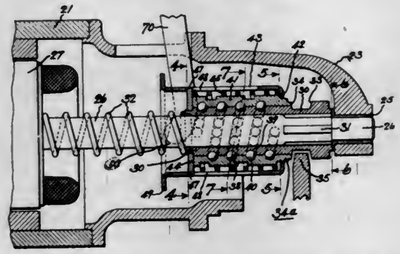
1. A portable tool having a rotatable ring comprising separable sections and formed with a plurality of circumferentially spaced pairs of slots opening through the inner surface of the ring, the slots in each pair being parallel and extending perpendicular to the plane of rotation of the ring, a U-shaped member associated with each pair of slots and having the leg portions slidably engageable in the slots, and abrasive means mounted on the inner surfaces of the base portions of the U-shaped members.

2,245,436
ENGINE STARTER
John B. Dyer, Pendleton, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 19, 1935, Serial No. 36,866
Renewed September 19, 1936
31 Claims. (Cl. 74—7)



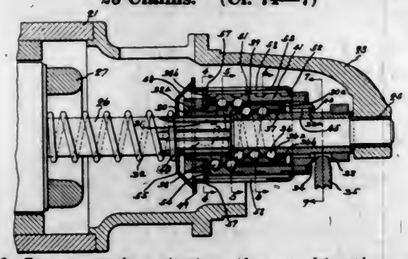
1. In an engine starter, the combination of a driven disc connected with the engine, a motor, a pair of driving discs driven by the motor and engageable with opposite faces of the driven disc, means independent of the motor for causing the driving discs to engage the driven disc, and means responsive to the operation of the motor for causing the driving discs to be pressed against the driven disc with a pressure sufficient for driving engagement, said pressure being relieved when the engine becomes self operative.

2,245,437
ENGINE STARTER
John B. Dyer, Pendleton, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 9, 1936, Serial No. 58,278
19 Claims. (Cl. 74—7)



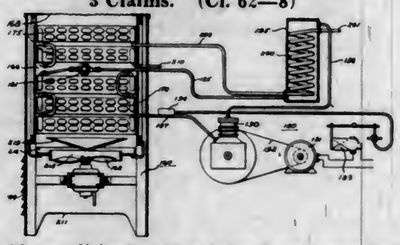
1. For use in an engine starting apparatus having a starting motor adapted to operate the engine to be started, a starter drive through which said motor operates the engine and having, in combination, a pair of driving discs adapted for engagement with opposite faces of a driven disc connected with the engine, a rotatable element operable by the starting motor and providing one of the driving discs, a tubular member about said element and providing the other driving disc, and means for effecting relative axial movement between said driving discs in response to rotary movement of one relative to the other, said means including camming provisions formed upon a cylindrical surface of said element and upon the cooperating cylindrical surface of said tubular member, and said starter drive having means adapted to be acted upon by a force other than that of the starting motor to effect an initial movement of said driving discs for engagement with said driven disc.

2,245,438
ENGINE STARTER
John B. Dyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 6, 1936, Serial No. 89,090
Renewed May 15, 1939
28 Claims. (Cl. 74—7)



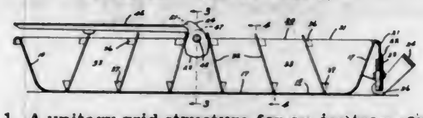
1. In an engine starter, the combination of a driven disc connected with the engine, driving discs located respectively on opposite sides of the driven disc, a starting motor, a shaft driven by the motor, means independent of the motor for moving the driving discs against the driven disc prior to operation of the motor, and independent driving connections between the shaft and driving discs, said connections each including camming members whereby, in response to operation of the motor after operation of said independent disc moving means, each driving disc is urged against the driven disc with pressure sufficient for driving engagement, and whereby, when the engine becomes self-operative, the driving pressure will be relieved, and a connection between the two driving discs for the purpose of equalizing the pressure exerted by the driving discs upon the driven disc, said connection being so constructed and arranged that relative rotation between the driving discs and the shaft is concurrent and equal.

2,245,439
REFRIGERATING APPARATUS
Harry B. Hull, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Original application July 31, 1933, Serial No. 682,977. Divided and this application February 23, 1939, Serial No. 257,920
3 Claims. (Cl. 62—8)



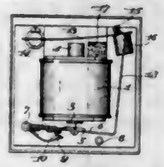
1. Air conditioning apparatus for a room or the like comprising in combination, a cabinet adapted to be mounted within the room, an air treating zone in the upper portion of said cabinet, a refrigerant evaporator in said zone, a water circulating coil in said zone, air circulating means disposed beneath said zone, a condensate collecting shield disposed between said air treating zone and said air circulating means, an air inlet opening in said casing adjacent said air circulating means, an air discharge opening above said air treating zone, refrigerant liquefying means in refrigerant flow relationship with said evaporator, means for circulating water in thermal exchange relationship with at least a portion of said refrigerant liquefying apparatus, and means whereby the water flowing in thermal exchange with said portion flows through said water circulating coil.

2,245,440
REFRIGERATING APPARATUS
James W. Jacobs, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 26, 1939, Serial No. 275,943
8 Claims. (Cl. 62—108.5)



1. A unitary grid structure for an ice tray comprising, a longitudinal wall, a plurality of spaced apart walls extending transversely to said longitudinal wall and individually interlocked therewith for movement within fixed limits thereupon, said walls cooperating with the tray to form compartments in which a liquid is frozen into ice blocks, and movable means permanently attached to said grid for engaging and moving one of said transverse walls relative to said longitudinal wall and to move other of said transverse walls relative to said longitudinal wall by reason of force transmitted through ice blocks in said compartments.

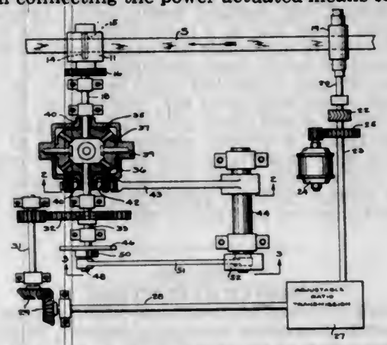
2,245,441
RELAY
Kenneth M. Lord, Canandaigua, and Glenn E. Warren, Honeoye Falls, N. Y., assignors to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y., a corporation of New York
Application April 15, 1940, Serial No. 329,654
8 Claims. (Cl. 175—338)



7. In a relay, the combination with a coil having a pole face and an armature that is normally in a position to be unaffected by said pole face and is attracted thereby when moved to a predetermined position, said coil having a second pole face, of vibratory actuating means of magnetic material that is controlled by said second pole face and is vibrated by said coil when a current of predetermined frequency is imposed thereon, said vibratory actuating means being movable independently of said armature and operatively connected therewith whereby it acts when vibrated to move said armature from its normal inoperative position to said predetermined position where it is attracted by the first mentioned pole face.

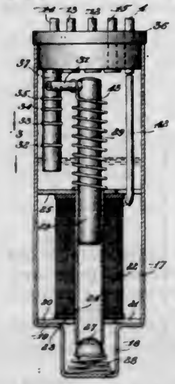
2,245,442
SHEAR
Myles Morgan, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application December 6, 1939, Serial No. 307,765
13 Claims. (Cl. 164—68)

1. In combination with a rotary shear for the transverse cutting of longitudinally moving material, a differential gearing having three rotatable elements, means connecting one of said elements to the shear, power actuated means to rotate the second of said elements, and mechanism connecting the power actuated means to the



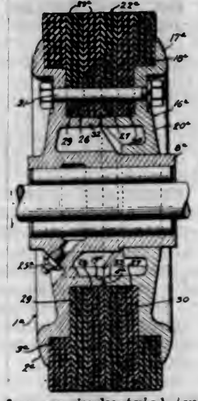
third of said elements and arranged to oscillate the same through a comparatively large angle sufficient to produce in each cycle a forward movement of the shear through more than a complete revolution and a reverse movement of the shear through less than a complete revolution.

2,245,443
ELECTRIC TIMING MECHANISM
Lloyd Rittenhouse, Honeoye Falls, N. Y., assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y., a corporation of New York
Application September 18, 1940, Serial No. 357,304
8 Claims. (Cl. 200—97)



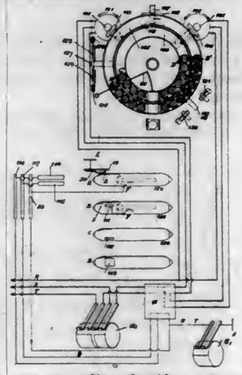
1. An electric timing mechanism including a housing of conducting material, a solenoid arranged in the housing, a solenoid plunger movable in the solenoid, spring means for returning the plunger to initial position when released, fluid controlled means acting to retard the return movement of the plunger, a circuit controlling member carried by the plunger, a closure of insulating material, a series of terminals carried by said closure, one of said terminals being connected with the aforementioned solenoid, a support of insulating material carried by said closure and extending inside the housing parallel to said plunger, and a series of contacts arranged in spaced relation endwise of said support to be engaged by said circuit controlling member as the plunger moves endwise and connected with the aforesaid terminals on the closure.

2,245,444
WHEEL STRUCTURE
Frederick N. Ross, Grosse Pointe Park, Mich.
Application April 22, 1939, Serial No. 269,329
3 Claims. (Cl. 301—5)



1. A wheel for an industrial truck or the like comprising, a main wheel portion having a body presenting two substantially flat surfaces on different radii, a flange at one side of the outer surface, a hub projecting axially from the body, a secondary wheel portion presenting two substantially flat surfaces on different radii corresponding to the radii of the main wheel portion, said secondary wheel portion having a flange at one side of the outer surface, said secondary wheel portion being mounted upon the extending hub, the said surfaces and flanges forming a rim which is relatively shallow at the surfaces on the large radii and relatively deep at the surfaces on the small radii, a tire shaped to fit the rim and disposed therein contacting the said surfaces, and bolts passing through the wheel portions and through the tire at points describing a circle between the inner and outer surfaces for holding the wheel portions and tire in assembly, the said tire being compressed by the said flanges and the outer periphery of said tire being cylindrical.

2,245,445
ELECTRICAL COLOR SELECTING DEVICE FOR WEAVING LOOMS
Kurt Schwabe, Bielitz-Bielsko, Poland
Application December 28, 1936, Serial No. 117,998
In Germany February 2, 1935
4 Claims. (Cl. 139—232)



1. An electric weft-selecting mechanism for

an automatic multicolor bobbin changing loom employing a plurality of active weft bobbins of differing weft-characteristics and a plurality of shuttles embodying weft feelers and each shuttle carrying a bobbin of weft-characteristic differing from those of the other shuttles, comprising a rotatable magazine provided with separate compartments, one for each group of bobbins of like weft-characteristics, magazine positioning means including electric magazine driving and stop means arranged to selectively position the magazine in any one of a plurality of predetermined positions wherein a bobbin of selected weft-characteristics may be transferred from the magazine to an active exhausted shuttle thereunder, electric circuit means electrically connected with the magazine driving means and including said weft feelers, shuttle-carried contract means differently positioned on the several shuttles, shuttle-box carried contact means arranged and positioned for cooperation with the shuttle-carried contact means, a source of electric energy and a loom driven circuit timing means, said several means being so constructed and arranged that consequent upon closure by a feeler of a circuit including certain of said shuttle and shuttle box contacts, the timer and magazine driving means, the magazine is positioned with a bobbin of proper weft characteristic positioned above the exhausted shuttle ready for transfer to the latter.

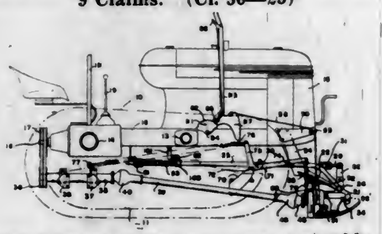
2,245,446
CUTTING TOOL
George E. Sheldrick, Detroit, Mich.
Application June 19, 1939, Serial No. 279,956
7 Claims. (Cl. 29—105)



1. In a cutting tool a body having a generally radial slot and a generally radial recess, intersecting the slot, a cutting blade extending within the slot, a generally radially movable member extending within the recess adapted to clamp said blade in place, a generally radial member rotatable to move said clamping member generally radially inwardly into clamping relation with said blade, and cooperating means upon said body and generally radial member for holding the latter from generally radial movement relative to the former during the rotation of said generally radial member to move said clamping member to clamping relation,

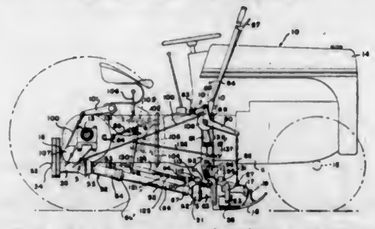
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2,245,447
TRACTOR-MOWER ASSEMBLY
Howard W. Simpson, Dearborn, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application October 30, 1939. Serial No. 302,043
9 Claims. (Cl. 56—25)



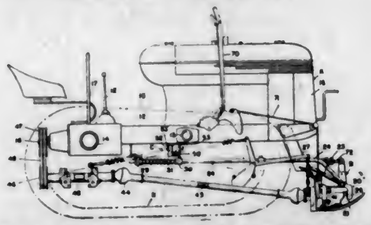
1. In a crawler tractor mower assembly, the combination with a crawler tractor having a pair of track frames, and a main frame carried thereby, of a mower frame, supporting bars secured to the main frame for mounting said mower frame for substantially vertical movement, a cutter bar pivoted to said mower frame for vertical swinging movement, and resilient means acting upwardly on said cutter bar at a point adjacent the pivot connection of said cutter bar to said mower frame, whereby to partly counterbalance both the pivot action of said cutter bar and the weight of said mower frame and cutter bar, said resilient means comprising a bell crank pivoted to the adjacent track frame, a tension spring anchored at one end of said track frame and at the other end to one arm of said crank, and a substantially vertical tension member connecting the other end of said crank to said cutter bar.

2,245,448
MOWER STRUCTURE
Howard W. Simpson, Dearborn, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application January 22, 1940, Serial No. 315,112
19 Claims. (Cl. 56—25)



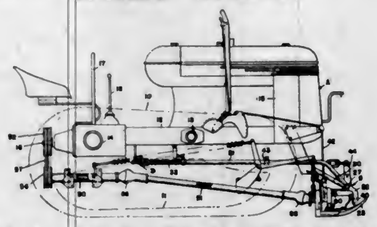
1. In a tractor-mower having a power take-off and a mower drive, means for transmitting power from said power take-off to said mower drive comprising a torque shaft having splined, telescoping members, a tubular housing for said shaft composed of telescoping tubular members, stop means on said tubular members limiting extension of said housing, and means to limit shortening of the housing including a coil compression spring in said housing and surrounding said shaft.

2,245,449
CLUTCH THROWOUT MECHANISM
Howard W. Simpson, Dearborn, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Original application October 30, 1939, Serial No. 302,043. Divided and this application March 4, 1940, Serial No. 322,249
18 Claims. (Cl. 56—25)



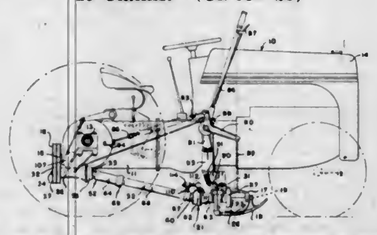
1. In a mowing machine, the combination with a tractor having a clutch actuating member, a mower assembly comprising a mower shoe and a mower arm carried by said shoe, and means for supporting the mower assembly from the tractor for both vertical and horizontal swinging movement comprising a hinge bracket connected to the shoe, a transversely extending rod connected to the bracket and universally connected to the tractor, and a longitudinally extending rod connected to the bracket and slidably connected to the tractor; of means operable by the mower assembly for actuating the clutch member, including an element adjustably mounted on the longitudinally extending rod, a series of arms connected to the clutch member, and an abutment for the adjustable element carried by one of the arms of the series and normally free and clear of said element, said abutment being also free and clear of said element during vertical swinging movement of the mower assembly but operable by said element during horizontal swinging movement of the mower assembly.

2,245,450
TRACTOR-MOWER STRUCTURE
Howard W. Simpson, Dearborn, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Original application October 30, 1939, Serial No. 302,043. Divided and this application March 4, 1940, Serial No. 322,250
16 Claims. (Cl. 56—26)



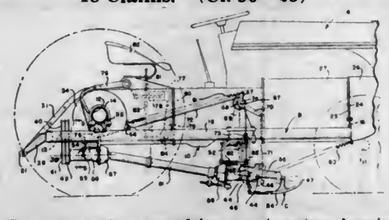
1. In a mowing machine, a mower shoe, a supporting hinge bracket for the shoe having laterally spaced portions, a crank shaft journaled in said laterally spaced portions, a sleeve on the shaft having opposite ends thereof extending within the laterally spaced portions of the bracket, bearings for the shaft within the sleeve at opposite ends thereof, and a detachable pivotal connection between the shoe and bracket including a sectional bearing on the sleeve between the laterally spaced portions of the bracket, one section of the bearing being rigid with the shoe.

2,245,451
MOWER STRUCTURE
Howard W. Simpson, Dearborn, Mich., assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Original application January 22, 1940, Serial No. 315,112. Divided and this application May 20, 1940, Serial No. 336,285
19 Claims. (Cl. 56—25)



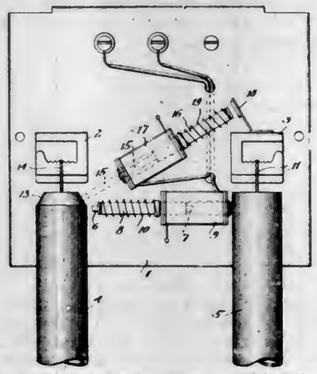
1. In a mowing machine, a tractor having a power take-off shaft, a sickle bar at one side of the tractor, a driving connection between the power take-off shaft and sickle bar including a propeller shaft, a crank shaft, and a universal joint between said propeller shaft and crank shaft, relatively movable housings for said propeller shaft and universal joint, a housing for the crank shaft, a support for the sickle bar rigid with the crank shaft housing and mounted to turn about a transverse horizontal axis relative to the tractor, and means for adjusting the support about such transverse horizontal axis to tilt the sickle bar relative to the ground, including an adjustable connection between the relatively movable housings aforesaid.

2,245,452
MOWING MACHINE
Howard W. Simpson, Dearborn, and Aram Abgarian, Detroit, Mich., assignors to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application June 10, 1940, Serial No. 339,800
18 Claims. (Cl. 56—25)



1. In a mowing machine, a tractor having a chassis including a power take-off shaft, an auxiliary frame supported from the chassis, a mower assembly supported from the auxiliary frame and including a sickle bar, a driving connection between the power take-off shaft and sickle bar including a transmission shaft substantially parallel to said power take-off shaft, pulleys on said power take-off and transmission shafts, a belt reeved on said pulleys, and a housing for said transmission shaft adjustable relative to said auxiliary frame to tighten or loosen the belt on said pulleys.

2,245,453
SIGNAL DEVICE
Glenn E. Warren, Honeoye Falls, N. Y., assignor to The A. E. Rittenhouse Co., Inc., Honeoye Falls, N. Y., a corporation of New York
Application April 15, 1940, Serial No. 329,683
2 Claims. (Cl. 177—7)



1. In a signal device, the combination with a

tubular chime element having a cylindrical striking surface and a solenoid plunger movable perpendicularly to the longitudinal axis of said chime element and provided with a striker engageable with said cylindrical striking surface, of a solid portion secured in one end of the tube opposite to said striking surface and provided with a conical striking surface projecting beyond and adjacent to the end of the tube, said conical surface having its greatest diameter adjacent to the tube and its smallest diameter at the greatest distance from the tube, and a second solenoid plunger provided with a striker arranged at an angle to the first mentioned striker and movable perpendicularly to said conical striking surface, said solenoid operated strikers being located in substantially the same vertical plane.

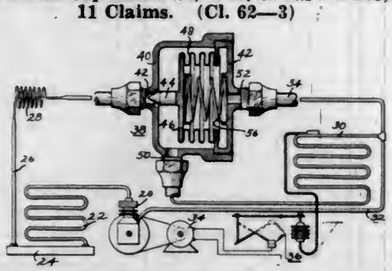
2,245,454

REFRIGERATING APPARATUS

Marshall W. Baker, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application September 24, 1937, Serial No. 165,552

11 Claims. (Cl. 62—3)



1. Refrigerating apparatus including liquefying means and evaporating means, valve means responsive to the pressure differential between two portions of the evaporating means for controlling the flow of liquid refrigerant from the liquefying means to the evaporating means, and a means forming an elongated orifice located in series circuit relation to the valve means for additionally controlling the flow of liquid refrigerant from the liquefying means to the evaporating means.

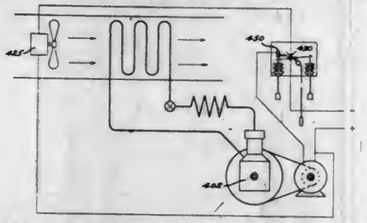
2,245,455

REFRIGERATING APPARATUS

Francis R. Bichowsky, Ann Arbor, Mich., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Original application October 29, 1932, Serial No. 640,228. Divided and this application January 7, 1938, Serial No. 183,875

2 Claims. (Cl. 62—6)



2. Air conditioning apparatus for an enclosure comprising in combination an evaporator, refrigerant liquefying means for supplying liquid refrigerant to said evaporator, means for effecting thermal exchange between a stream of air and refrigerant in said evaporator, control mechanism for said apparatus for maintaining the effective temperature in said enclosure within a predetermined comfort zone, said control mechanism comprising means responsive to one function of the effective temperature of air, means responsive to another function of the effective temperature of the air, means responsive to the joint action of the aforesaid means for controlling said means for effecting said thermal exchange and means responsive to one of said functions for controlling said refrigerant liquefying means for limiting said effective temperature within said comfort zone.

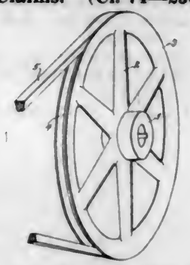
2,245,456

CAST ALUMINUM PULLEY

Percy L. Bowser, Jr., University City, Mo., assignor to The Sterling Corporation, St. Louis, Mo., a corporation of Delaware

Application January 24, 1940, Serial No. 315,346

5 Claims. (Cl. 74—230.2)



1. A pulley of the character described composed of an aluminum-base alloy containing 7%–18% silicon, a hardening metal and at least 65% aluminum.

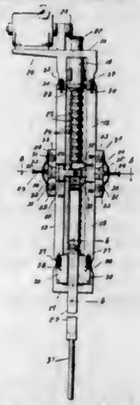
2,245,457

PUMPING MECHANISM

Bryan Brassell, Puerto de Luna, N. Mex.

Application June 29, 1940, Serial No. 343,288

9 Claims. (Cl. 74—57)



1. In apparatus of the class described, a stationary frame, a slidable frame associated therewith, a working element carried by the slidable frame and cooperating means carried by the two frames to effect movements of the slidable frame relative to the stationary frame, including a shaft journaled longitudinally of the stationary frame having reverse double screw track grooves, and diametrically opposite track blades carried by the slidable frame working in said track grooves, and adjustable spring means for tensioning said track blades.

2,245,458

PLASTER MATERIAL

Homer P. Brown, Placerville, Calif.

No Drawing. Application June 12, 1939, Serial No. 278,725

3 Claims. (Cl. 106—118)

1. A plaster material obtained by mixing with lime a finely comminuted mineral antigorite and sulfur.

2,245,459

COPPER ALLOY

Georg Bühler, Vienna, Germany

No Drawing. Application January 6, 1940, Serial No. 312,741. In Germany January 7, 1939

3 Claims. (Cl. 75—155)

1. An alloy consisting of about 40% zinc, 0.01 to 3% phosphorus, 0.1 to 3% lead and the balance copper, said alloy having the characteristic strength, hardness and other properties resulting from the cold working of an alloy of said composition.

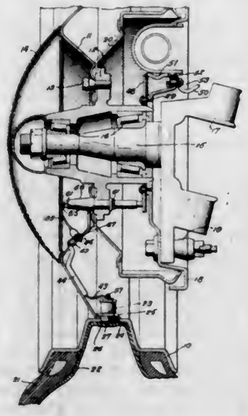
2,245,460

PRESSURE ACTUATED ELECTRICAL TIRE SIGNAL

William Oliver Bundy, Jr., and Charles Sinclair Lewis, El Paso, Tex., assignors of thirty-three and one-third per cent to I. Ehrlich, El Paso County, Tex.

Application February 28, 1939, Serial No. 259,024

8 Claims. (Cl. 200—58)



1. In a current conducting assemblage for motor vehicle wheels, wherein a wheel is demountably supported upon an axle hub, a hollow centering pin carried by said hub, a conducting ring insulatably supported upon the vehicle axle, a spring contact insulatably mounted in said centering pin and arranged to engage said conducting ring, a pressure actuated switch mounted on said wheel in cooperative relation with respect to the tire inner tube, and a spring contact carried by said wheel and electrically connected to said pressure switch and arranged to engage the contact in said centering pin, whereby demounting the wheel from the hub interrupts the circuit independently of the wheel mounting means.

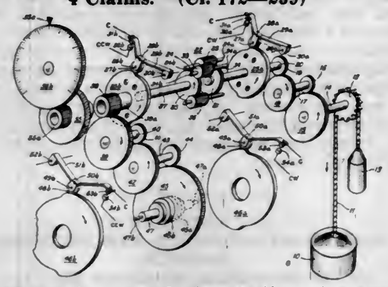
2,245,461

POSITION REPRODUCING MEANS

Ralph R. Chappell, Richmond, Va., and Rutger B. Colt, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application May 20, 1939, Serial No. 274,853

4 Claims. (Cl. 172—239)



2. Means for reproducing motion at a remote point comprising, in combination, a controlling movable member and a driven movable object, a motor for driving said driven object, control means for said motor, a differential gear mechanism, cam means formed with said mechanism, said differential gear mechanism having a portion thereof movable with said controlling movable member whereby said cam means are carried therewith for operating said control means energizing said motor thereby driving said driven movable object during predetermined minor movements of said controlling movable member, and means for overriding the controlling action of said cam means during predetermined major movements of said controlling movable member and thereafter energizing said control means to operate said motor, said motor acting to drive said driven object and simultaneously moving said cam means about said differential gear mechanism to its initial position.

2,245,462

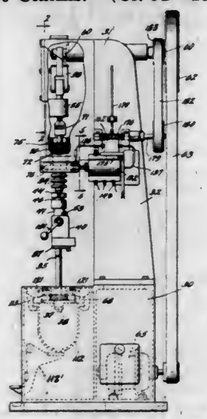
MACHINE FOR LAPPING TOOTHED ELEMENTS

John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application April 22, 1935, Serial No. 17,728

Renewed May 9, 1938

29 Claims. (Cl. 51—157)



16. In apparatus for lapping gears of the type

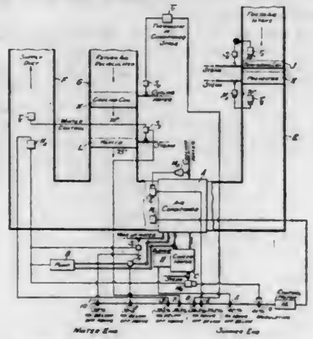
comprising mechanism for imparting relative motion to a lap member and a gear member having intermeshed toothed portions, the combination with means for applying torque to said members to establish circumferential pressure between the toothed portions thereof, and automatic means for determining, in advance of a series of operations on a succession of gear members, the maximum amount of material to be removed from any one tooth of any of such gear members, said means including devices operatively associated with said first named means for interrupting the application of such torque thereby on completion of a predetermined relative rotative displacement of said members resulting from the removal of material from the toothed portions.

2,245,463
COMBINATION SHIRT AND TROUSER HOLDER
Herman Cohn, Baltimore, Md.
Application December 11, 1939, Serial No. 308,709
3 Claims. (Cl. 24—73)



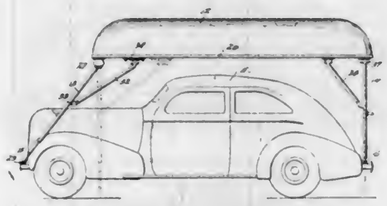
1. A combination shirt and trouser holder comprising a U-shaped resilient shirt holder, means between the U-shaped members for gripping the shirt to prevent up and down movement, a member secured to the trousers, flexible means connecting said members and slidably mounted in one of said members to permit lateral movement between the shirt and trousers.

2,245,464
CONTROL OF AIR CONDITION
Stewart C. Coey, Glen Ridge, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application January 21, 1937, Serial No. 121,663
12 Claims. (Cl. 236—44)



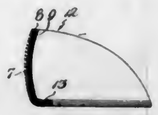
2. In a system for controlling the operation of air conditioning apparatus in which air is contacted with a hygroscopic liquid, a humidity-sensitive element in contact with air leaving the hygroscopic liquid and means responsive to said humidity-sensitive element for bringing into and out of operation means for supplying heat and water to said hygroscopic liquid for adjusting the aqueous vapor pressure thereof.

2,245,465
PORTABLE CABIN
Albert B. Cole, Rockingham, N. C.
Application October 31, 1938, Serial No. 238,042
13 Claims. (Cl. 20—2)



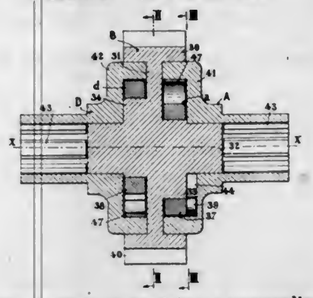
1. A portable structure comprising a horizontally disposed rectangular frame, a roof supported on said frame, a leg secured adjacent each corner of said frame and adapted to support said frame, each said leg comprising a pair of telescoping members and means for securing said members in a fixed relation, and a plurality of wall sections pivotally hung from said frame and adapted to be swung upwardly into horizontal position adjacent said roof.

2,245,466
FOOTWEAR
Robert T. Dawes, Hudson, Mass., assignor to Thomas Taylor & Sons, Inc., Hudson, Mass., a corporation of Massachusetts
Application March 13, 1935, Serial No. 10,833
1 Claim. (Cl. 12—146)



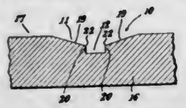
That method of making, as an article of manufacture, a unitary completed multi-ply shoe quarter ready for assembly as a unit with a sole member of a shoe and to form a finished part of the shoe upper without recourse to lasting, said method comprising as steps providing lamellar sheet material including plies, two of which are appropriate to constitute the exposed inner and outer surfaces, respectively, of said quarter, and one of which is normally of a shape-retaining nature capable of permanently retaining a contour imparted thereto by moulding pressure, cutting from said sheet material a blank of predetermined appropriate contour, whose constituent plies are of the same size and shape, causing said blank to become mouldably plastic, moulding said blank under pressure to form a quarter having side walls and an end wall, the side walls merging integrally and smoothly with the end wall, the moulding operation also forming an attaching flange joined integrally to the lower edges of the side and end walls and also imparting to the side and end walls substantially the exact curved contour, in vertical planes at least of the quarter of a fully completed shoe, causing the material of the moulded end portion to become stiff and permanently retentive of the moulded shape imparted thereto, and at any suitable stage in the process finishing the other edges of the rear and side walls so as to make such edges acceptable for exposure in a completed shoe.

2,245,467
DRIVING MECHANISM BETWEEN ROTARY ELEMENTS
Henri Leon Marie Joseph de Place, Paris, France
Application July 27, 1939, Serial No. 286,922
In France July 29, 1938
8 Claims. (Cl. 74—389.5)



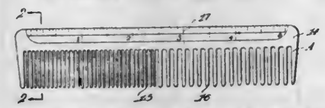
1. A differential comprising a normally driving member having portions in the shape of cams, at least two normally driven members co-axial relatively to said driving member, auxiliary members positively rotatively connected respectively to said driven members, each of said driven members and respective auxiliary members having surfaces adapted to move towards each other under the thrust of said cams of the driving member when a difference of speed takes place between the driving member and said driven member, wedges of reverse directions adapted to positively prevent said surfaces of the driven and auxiliary members from moving towards each other so as to thereby render the driving member rotatively rigid with the driven members in each direction of rotation, and abutments adapted to ensure the free rotation of the driven members in a given direction relatively to the driving member by putting out of action the corresponding wedges as long as one of said driven members exerts on the normally driving member, even if the latter is used as brake, a stress directed in reverse direction to said given direction.

2,245,468
TILE BOARD
Lucien A. Dussol, Mount Marion, N. Y.
Application December 13, 1940, Serial No. 369,924
4 Claims. (Cl. 20—5)



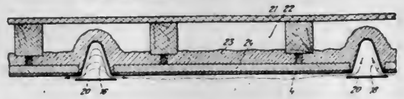
1. A tile board having intersecting grooves in one of its sides which subdivide the latter into imitation tile units having top flats, each groove comprised of an upper V-shaped portion and a lower minor central portion constituting a bottom channel having side walls which at their tops have a substantially sharp-corner joinder with the bottoms of the side walls of said V-shaped portion, the side walls of said V-shaped portion having like oblique inclinations to the plane of the board, such inclination being within the range of approximately 12° to said plane, as a minimum, and approximately 17° to said plane, as a maximum, and the top width of said V-shaped portion being a multiple, within the range substantially of four times as a minimum and six times as a maximum, of the top width of said bottom channel.

2,245,469
POCKET COMB
Clarence V. Ecklund and Clifford J. Culver, Flint, Mich.
Application April 22, 1940, Serial No. 331,021
3 Claims. (Cl. 132—11)



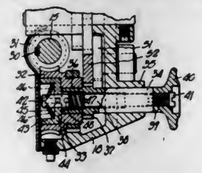
1. The combination with a comb, the body portion thereof having flat faces terminating in a beveled edge extending across the same, and a metal reinforcing plate covering the beveled edge and the uppermost edge forming a knife edge.

2,245,470
CEILING HEATING SYSTEM
Günter Fuchs, Schwarzenbach-on-the-Saale, Germany
Application May 2, 1938, Serial No. 205,548
In Germany May 3, 1937
5 Claims. (Cl. 237—46)



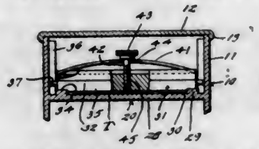
3. In a ceiling heating system, a set of elongated discharge nozzles, a pressure header for supplying heated air connected to one end of the discharge nozzles, means for conducting heated air to the pressure-header, a set of elongated suction nozzles, a suction header connected to one end of the suction nozzles, the cross-section of each nozzle being reduced toward its free end, and all the nozzles being arranged in, and opening at the lower surface of, a ceiling, for, respectively, discharging heated air into a room below its ceiling, so as to produce a layer of heated air below the ceiling, and for withdrawing the air from the layer, and a baffle arranged in spaced and parallel relation below the aperture of each nozzle.

2,245,471
FRICTION CLUTCH FOR LATHE APRONS
George L. Garvin, South Bend, Ind., assignor to South Bend Lathe Works, South Bend, Ind., a corporation of Indiana
Application May 10, 1940, Serial No. 334,316
14 Claims. (Cl. 192—20)



14. A friction clutch comprising a driven gear fixed on a rotatable member, a hollow drive gear having a hub journaled on said member and bearing against said driven gear, friction means fitting in said hollow gear and including a toggle, and means for actuating said toggle to expand said friction means into frictional engagement with said drive gear, said toggle applying a combined longitudinal and radial force to said drive gear for locking the same in fixed relation to said driven gear.

2,245,472
PRESSER PLATE FOR DISPENSING MACHINE FEED TABLES
Lewis Walter Goldstein, New York, N. Y., assignor to Lipton Manufacturing Co., Inc., New York, N. Y.
Original applications July 18, 1939, Serial No. 285,153, and September 18, 1939, Serial No. 295,536. Divided and this application March 30, 1940, Serial No. 326,998
10 Claims. (Cl. 271—2.1)

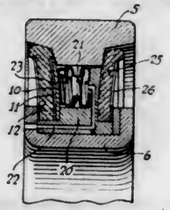


1. In a tape dispensing machine, a tape guiding table, longitudinal ribs extending upwardly of the opposite edges of the table, a presser plate above said table, opposed vertical guides extending upwardly of opposite edges of said table, means carried by said plate slidably engaging said guides, and means carried by said plate engageable with said guides for holding said plate in adjusted position relative to said table.

2,245,473
SILICEOUS MATERIAL
Norbert S. Garbisch, Butler, Pa.
No Drawing. Application April 14, 1939, Serial No. 267,910
2 Claims. (Cl. 106—52)

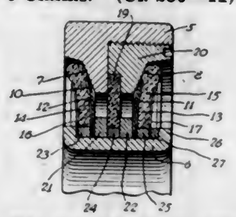
1. A process of making glass which comprises smoothing the surfaces of glass plates by grinding them with a slurry of sand of glass batch purity under runners composed of material, debris from which is non-deleterious to a glass batch, until the sand is broken too fine for further grinding operations, and comprises silica and about 20 to 40% of glass abraded from the glass plates, then removing excess water from the sand, incorporating glass fluxes and melting the mixture to form additional glass.

2,245,474
PRESSURE LIQUID SEAL
Furness Hall Hately, Greenwich, Conn., assignor to American Felt Company, New York, N. Y., a corporation of Massachusetts
Application April 21, 1939, Serial No. 269,079
9 Claims. (Cl. 286—11)



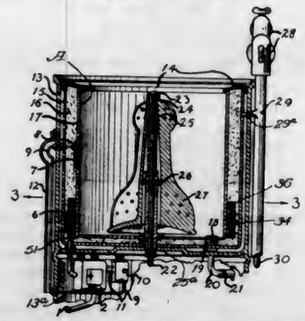
1. A fluid seal comprising, in combination, an outer beveled annular member having a smooth bearing face inclined to the plane of the member, an inner flexible impervious annular diaphragm presenting a convex face bearing at its outer edge against the smooth bearing face to provide a seal and rotatable thereagainst, said diaphragm being of a shape to present an annular sharp edge at one limit of the area of contact with the smooth bearing face, and an annular support presenting a concave face to engage the convex face of the flexible diaphragm and support said diaphragm when under pressure.

2,245,475
FLUID SEAL
Furness Hall Hately, Greenwich, Conn., assignor to American Felt Company, New York, N. Y., a corporation of Massachusetts
Application Apr l 21, 1939, Serial No. 269,080
6 Claims. (Cl. 286—11)



1. A fluid seal comprising, in combination, an annular race having oppositely disposed smooth bearing faces inclined to the plane of the member, a member concentric to said annular member and rotatable relative thereto, flexible impervious annular diaphragms carried by said concentric member and bearing at their free edges and rotatable against said smooth bearing faces and forming a slight angle therewith, means to press the edge of each diaphragm against the bearing face to provide a fluid tight sealing line engagement therebetween, the bearing faces of the race being concave toward the diaphragms and the diaphragms being convex toward the bearing faces and an absorbent felt annular member between the annular diaphragms and between and engaging both the race and the rotatable member.

2,245,476
WASHING MACHINE WITH WATER-HEATING APPARATUS
Owen Hembree, Shawnee, Okla.
Application January 18, 1939, Serial No. 251,617
2 Claims. (Cl. 68—4)



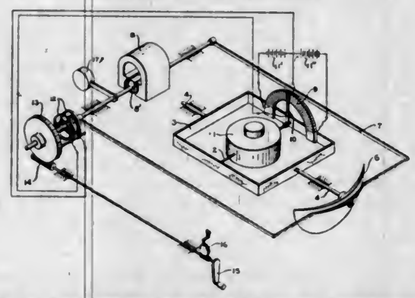
2. In combination with the tub of a washing machine having a drain outlet means and an interior agitator-driving shaft rising from the bottom thereof, an attachment comprising an auxiliary tub removably disposed within the first mentioned tub and resting on the bottom of the latter, said auxiliary tub having spaced inner and outer walls, heating means enclosed by said walls, said auxiliary tub having a tubular bearing open at the bottom and journaled on said shaft, said bearing extending through and below said walls and being secured watertight to and

rising from the said walls at the bottom of the auxiliary tub, and means on said bearing below the auxiliary tub extending through and being fastened to the bottom of the first mentioned tub in a water tight manner to prevent leakage between the tubs.

2,245,477
PERMANENT MAGNET AND METHOD OF MAKING SAME
Gottfried Bruno Jonas, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
No Drawing. Application February 13, 1937, Serial No. 125,654. In Germany March 17, 1936
3 Claims. (Cl. 175—21)

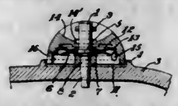
1. A permanent magnet comprising approximately 16% nickel, approximately 25% cobalt, approximately 2.8–4.5% titanium, approximately 5.1–7.0% aluminum, as essential elements, and the remainder substantially iron, said magnet having a BH_{max} value greater than 1,600,000.

2,245,478
GYROSCOPIC INSTRUMENT
Kurt Jann, Berlin-Charlottenburg, and Heinrich Roland, Berlin-Steglitz, Germany, assignors to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application June 30, 1939, Serial No. 282,302
In Germany July 2, 1938
9 Claims. (Cl. 33—204)



1. In a gyroscopic artificial horizon for aircraft, a gyro rotor, means mounting said rotor for spinning about a vertical axis and for angular movement about two mutually perpendicular horizontal axes, said mounting means comprising a gimbal frame and a Cardan ring, the Cardan ring being mounted for angular movement with the gyro rotor relative to the craft about the longitudinal axis thereof, means mounted for angular movement with the craft relative to said rotor about the transverse axis of said craft, an aircraft simulating member carried by and movable with said last-named means, a horizon simulating member carried by and movable with the Cardan ring and cooperating with said aircraft simulating member, a reversible motor for moving said means carrying said aircraft simulating member about an axis perpendicular to the longitudinal axis of the craft to move said aircraft simulating member up and down with respect to said horizon simulating member, and means controlled by relative angular movement between said Cardan ring and said gimbal frame upon angular movement of said craft about its transverse axis for energizing said motor for rotation in one direction or another to actuate said means carrying said aircraft simulating member, whereby said aircraft simulating member is moved up or down with respect to said horizon member correspondingly as the aircraft inclines upward or downward with respect to the real horizon.

2,245,479
THREAD STABILIZER FOR SEWING MACHINES
John D. Karle, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application October 24, 1939, Serial No. 300,910
12 Claims. (Cl. 242—150)

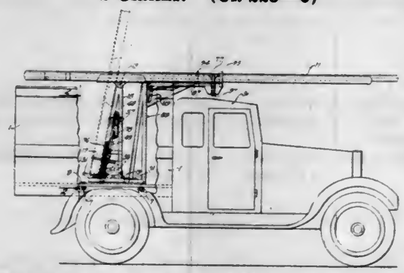


1. A sewing machine thread-stabilizer comprising, a supporting post, a weight vertically movable on said post from a lowered to an elevated position and having a peripherally depending skirt, and a pair of thread-tension disks on said post within and above the level of the lower edge of said skirt, said skirt having thread-inlet and thread-outlet passageways therethrough.

2,245,480
TOCOPHEROL DERIVATIVES AND MANUFACTURE THEREOF
Paul Karrer, Zurich, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application May 16, 1939, Serial No. 273,998. In Switzerland June 1, 1938
2 Claims. (Cl. 260—333)

1. Process for the manufacture of allyl-β-tocopherol, comprising reacting allyl halide with β-tocopherol in the presence of an acid condensing agent.

2,245,481
PORTABLE AERIAL LADDER
Albert J. Kiley, Belmont, and John T. Kiley, Arlington, Mass., assignors to James A. Kiley Co., Somerville, Mass., a corporation of Massachusetts
Application November 5, 1938, Serial No. 238,956
2 Claims. (Cl. 228—6)



1. In a portable aerial ladder, in combination, a ladder, a turntable, a support for the ladder tilting on the turntable to tilt the ladder, controls governing the movement of the top of the ladder in vertical and horizontal directions, located at the turntable and the support thereon, a ladder rack supporting a portion of the ladder that is remote from the support, a plurality of hold-down devices on the rack located at a point remote from the support, and remote control de-

vices for releasing and re-engaging the hold-down devices comprising a lever within reach of an operator standing at the first-named controls, and intermediate connections permitting disengagement of the hold-down devices from and causing re-engagement of the hold-down devices with the ladder by movement of the lever first in one direction and then in the other.

2,245,482

MAKING LOW-ALLOY HIGH-STRENGTH STEEL OF THE COPPER-PHOSPHORUS-SILICON-CHROMIUM TYPE

Clarence D. King, Mount Lebanon, Pa., assignor to United States Steel Corporation of Delaware, a corporation of Delaware

No Drawing. Application September 10, 1940, Serial No. 356,222
2 Claims. (Cl. 75—127)

1. A method of making low-alloy high-strength steel of the copper-phosphorus-silicon-chromium type containing not more than .10% carbon and at least .10% phosphorus, said method being characterized by converting a ferrous charge containing at least .10% phosphorus by the acid Bessemer process to a Bessemer steel containing at least .10% phosphorus and adding sufficient ferrochromium to said Bessemer steel to provide it with the chromium content characteristic of said type, the carbon content of said Bessemer steel being adjusted during said conversion sufficiently low to permit adding said ferrochromium and any other material necessary to adjust its composition to that characteristic of said type without raising its carbon content above .10%, said phosphorus content of said Bessemer steel effectively increasing the alloy efficiency obtained from adding said ferrochromium.

2,245,483

PREPARATION OF CALCIUM ALPHA HYDROXYISOBUTYRATE

Philip Moore Kirk, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application August 31, 1940. Serial No. 355,072
9 Claims. (Cl. 260—535)

1. A method of preparing calcium alpha hydroxyisobutyrate and alpha hydroxyisobutyric acid which comprises reacting an alpha hydroxyisobutyric acid ester with calcium hydroxide to produce calcium alpha hydroxyisobutyrate and then treating a portion of the calcium alpha hydroxyisobutyrate with sulfuric acid to produce calcium sulfate and alpha hydroxyisobutyric acid.

2,245,484

DOG WHISTLE

Theodore Leavens, Chicago, Ill., assignor to The Robbins Company, a corporation of Massachusetts

Application November 1, 1940, Serial No. 363,893
4 Claims. (Cl. 46—179)



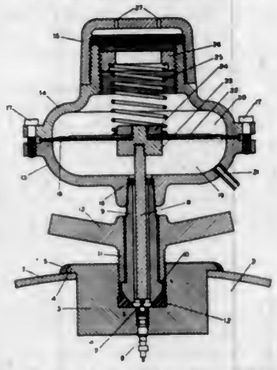
1. A whistle comprising a one-piece tubular body having a mouth portion at one end and a longitudinal bore of two sizes with a shoulder formed between the two size bores, the smaller bore providing an air chamber and being at the mouth portion end of the body and provided with a sound-producing opening, the larger bore being threaded, a one-piece plunger having a threaded portion to engage the threads of the body and having a reduced portion to loosely fit and extend into the smaller bore with a shoulder provided between the two portions to engage the shoulder of the body and limit the movement of the plunger into the body.

2,245,485

PRESSURE REGULATING DEVICE

Kenneth R. Lewis, Marshalltown, Iowa, assignor to Phillips Petroleum Company, a corporation of Delaware

Application April 12, 1938, Serial No. 201,581
2 Claims. (Cl. 221—73.5)



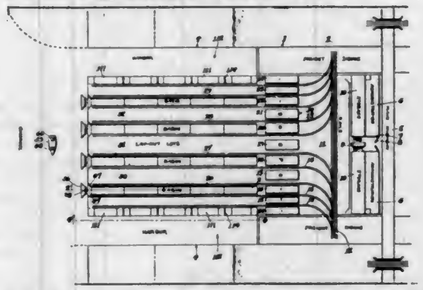
1. In a fuel gas system in which the gas is stored as a liquid under high pressure in containers and in which there is a gas utilization conduit on each customer's premises supplying gas to the gas consuming appliances at a low pressure, the combination comprising a container for the gas, a valve fitting in the container, the valve fitting having a passage communicating with the interior of the container, a valve closing the passage and having an operating member accessible from the exterior of the container, a gas utilization conduit, a connector on the utilization conduit, the connector having a passage for placing the valve fitting and the service line in communication, a gas pressure actuated means in communication with the passage, a force transmitting element in the connector passage for acting between the gas pressure actuated means and the container valve operating member, and means for connecting the valve fitting and the connector, the force transmitting means being so designed that with such connection the container valve is operated to maintain a substantially constant low pressure in the utilization conduit.

2,245,486

SHIPYARD

Thomas F. Little, Raleigh, N. C.

Application September 18, 1939, Serial No. 295,502
16 Claims. (Cl. 61—64)



1. A shipyard comprising a prescribed area consisting of a normal land level and an adjoining

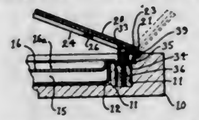
water channel bottomed by an extension of the land, a ship basin consisting of a relatively thin and consequently relatively light shell of trough formation, and an anchorage secured to the basin and driven into said bottom to support the basin marginally flush with the land level, said anchorage embodying means holding the basin down in the water from rising when empty and up from sinking into the bottom when loaded.

2,245,487

VANITY BOX OR CASE

Willis H. Machin, Middlebury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application September 3, 1938, Serial No. 228,419
2 Claims. (Cl. 220—35)



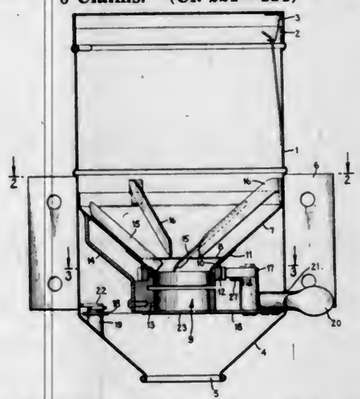
2. In a vanity box, a body made of a molded product and having a hollow compartment opening in from the top plane of said body, a ledge portion disposed below the top plane of said body and projecting inwardly from the walls of said compartment, a container shell fitted into said compartment and having a peripheral flange resting upon said ledge portion, one edge of said flange having an upstanding wall with opposite ends formed into spaced rolled hinge barrels disposed with their axes above the top plane of said body a distance substantially one half the diameter of said barrels, a shallow cup-shaped cover for closing said compartment and when closed designed to have its cupped edge rest upon the top plane of said body, a complementary hinge barrel rolled from the cover material and fitted between said spaced barrels, a hinge pin connecting said barrels together, and a lug formed from said upstanding wall between said spaced barrels and arced outwardly about said cover hinge barrel to a position where the lug edge is disposed slightly above the top plane of said body and coacts with said cover to limit the opening movement of the latter.

2,245,488

DISPENSING DEVICE

John A. Marcuse, Scarsdale, N. Y., assignor to West Disinfecting Company, Long Island City, N. Y.

Application February 9, 1940, Serial No. 318,142
6 Claims. (Cl. 221—114)



1. A dispenser comprising a container having a conical bottom leading to a discharge opening, vanes secured to a stationary part of the dispenser and extending over said bottom substantially parallel thereto and spaced therefrom, movable vanes extending over said bottom and substantially filling the space between the inner surface of the bottom and said stationary vanes, and means for moving the movable vanes and for dispensing material from the container.

2,245,489

PROCESS FOR THE MANUFACTURE OF MEERSCHAUM PIPES

Floyd L. Martin, Downs, Kans.

No Drawing. Application February 26, 1940, Serial No. 320,893
7 Claims. (Cl. 131—230)

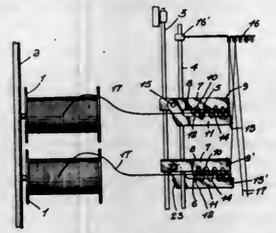
1. A process for the manufacture of meerschaum for smokers' articles comprising: intermixing ground magnesium silicate with the white of eggs.

2,245,490

AUTOMATIC THREAD TENSION COMPENSATING DEVICE FOR WINDING MACHINES

Michael J. McHale, Scranton, Pa.

Application June 7, 1938, Serial No. 212,350
4 Claims. (Cl. 242—153)



1. A thread tensioning device for winding machines and the like comprising a body portion having a support engaging section and openings to receive a thread guiding member, an arm pivotally mounted upon said body portion adjacent the support engaging section, the arm being provided with openings to receive a thread guiding member, thread guiding members attached to the body portion and the pivotal arm, each comprising a wire formed with a plurality of loops, the ends of the wire being seated in the openings formed in the body portion and pivotal arm respectively, said guiding members comprising respectively a right and left handed helix which intermesh and form a substantially continuous thread receiving passage through the helices when the pivotal arm is in the horizontal position.

2,245,491

PRODUCTION OF UREA-FORMALDEHYDE RESINS

Adolf Menger, Eugen Bock, and Paul Didden, Krefeld-Uerdingen, Germany, assignors, by mesne assignments, to Plaskon Company, Incorporated, Toledo, Ohio, a corporation of Delaware

No Drawing. Application September 2, 1938, Serial No. 228,180. In Germany September 25, 1937
3 Claims. (Cl. 260—29)

1. A process for producing urea resin compositions suitable for use as coating, adhesive compositions and the like which consists in con-

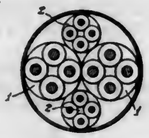
densing a urea with formaldehyde in a weakly alkaline aqueous solution to produce a water-soluble condensation product, admixing with said condensation product a small amount, compared to the amount of the condensation product, of a dispersing agent, acidifying said mixture, continuing the condensation until a water-insoluble but still reactive heat- and acid-hardenable resin is obtained and interrupting the condensation by neutralization of the reaction mixture.

2,245,492

TRANSMISSION SYSTEM COMPRISING A CABLE OPERATED WITH CARRIER FREQUENCIES

Ulfilas Meyer, Cologne-Mulheim, Germany, assignor to Felten & Guilleaume Carlswerk Actien-Gesellschaft, Cologne-Mulheim, Germany

Application October 20, 1938, Serial No. 236,088
In Germany October 29, 1937
2 Claims. (Cl. 179—78)



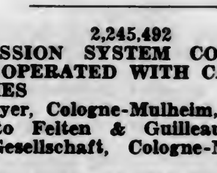
1. A cable transmission system comprising in combination, a pair of first conductors, two second conductors each of smaller diameter than the first conductors arranged between said first conductors, a casing enclosing all of said conductors, said second conductors carrying transmission currents in one direction operated with carrier frequencies, and said first conductors carrying transmission currents in an opposite direction operated with carrier frequencies above the frequency range of the second conductors.

2,245,493

ELECTRIC INDICATING MEANS

Erich Nöthe, Berlin-Spandau, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany

Application September 1, 1938, Serial No. 228,068
In Germany September 25, 1937
4 Claims. (Cl. 177—329)



1. In a signal device of the current indicator type, the combination with a pair of pole pieces, of a central core, a coil coaxial with said core, an armature having depending means on its outer periphery, non-magnetic means for mounting said armature for angular movement between zero and full scale positions on a shaft, said shaft being coaxial with and supported by said core, means comprising a limit-stop provided with ends defining contact surfaces for said armature whereby during angular movement thereof the armature contacts one of said surfaces in its zero position and the other of said surfaces at its full scale position, one contact surface only of said limit-stop means comprising a magnetic member, and means for yieldingly urging said armature against one surface of said limit-stop.

2,245,494

WAXED PAPER

Frederick Warde Padgett, Jackson Heights, N. Y., assignor to Moore & Munger, Plainfield, N. J., a firm composed of George T. Keating, Edward P. Snyder, and Murray Rushmore

No Drawing. Application May 28, 1938, Serial No. 210,776
7 Claims. (Cl. 260—28)

4. A wet-waxing composition consisting substantially of a major proportion of fully refined petroleum wax and an additional wax which is uniformly distributed in the composition, the weight of the additional wax in said composition being substantially .05% to 2% of the weight of the entire composition, said additional wax being an esterified product of montan wax and being selected from a class of waxes as follows:

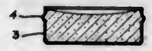
	Melting point	Acid No.	Ester No.
a	176° F.-181° F.	15-20	140-155
b	180° F.-183° F.	142-152	25-35
c	167° F.-171° F.		
d	122° F.		
e	180° F.-183° F.		
f	175° F.-180° F.	25-35	100-120

2,245,495

OXYGEN SUPPLYING COMPOSITION

Carl A. Pemble, St. Paul, Minn.

Application January 19, 1940, Serial No. 314,642
16 Claims. (Cl. 252—186)



4. A relatively hard self-sustaining porous mass capable of steadily evolving oxygen over a long period of time when placed in water, said evolution being without appreciable disintegration of the mass and without contamination of the water sufficient to injure fish in the water in which the mass is placed, the active ingredients of said mass consisting essentially of a peroxide of a metal of the group consisting of beryllium, magnesium, calcium zinc, strontium, cadmium and barium, and a primary phosphate of a metal of said group, there being 1 to 2 moles of the peroxide present for every mol of the phosphate, said ingredients being compacted under a sufficiently heavy pressure to form a rigid porous body that is capable of retaining its shape and porosity in water and of entraining solid products of reaction, during and after reaction in water.

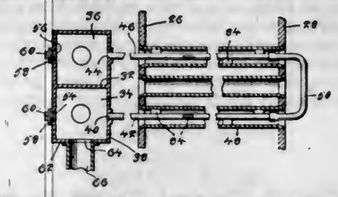
2,245,496

WATER CIRCULATOR AND FEED WATER HEATER

Jules E. Phelan, Palestine, Tex.

Application December 5, 1938, Serial No. 244,122
2 Claims. (Cl. 122—420)

1. In a boiler having a flue, a water circulating tube extending through said flue in heat transfer relation therewith, said tube having an outside diameter smaller than the inside diameter of said flue to provide a space therebetween for the passage of burnt products of combustion, and lugs on said tube engaging said flue to support the tube



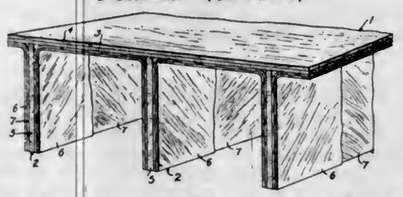
centrally of said flue, said lugs being of such length as to place said tube under slight flexure.

2,245,497

FLOORING FOR AIRCRAFT

Joseph A. Potchen, Grand Rapids, Mich., assignor to Haskelite Manufacturing Corporation, a corporation of New York

Application November 16, 1940, Serial No. 365,874
8 Claims. (Cl. 20—6)



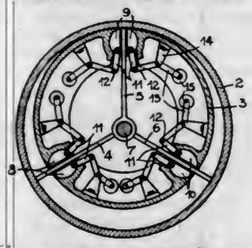
1. A flooring material comprising a thin wood panel, a series of parallel strips of wood arranged on edge underneath and in engagement with said panel, and long members of thin plywood U-shaped in cross section alternating with said strips and each having its web portion engaged with the under side of the panel and its flanges fitted against the sides of the strips between which it lies, said strips and said members being bonded to each other and to said panel.

2,245,498

ROTARY ENGINE

Paul Pringiers, La Louviere, Belgium, assignor to Baume & Marpent S. A., a joint-stock company of Belgium

Application August 23, 1938, Serial No. 226,348
In Belgium September 9, 1937
9 Claims. (Cl. 103—144)



1. A rotary engine comprising a cylindrical stator having a fluid working chamber therein, a rotor eccentrically mounted in said stator chamber, said rotor having radial openings therein, a shaft concentric with the stator and extending axially through the rotor, vanes mounted on said shaft and extending substantially radially through the rotor openings, the radial openings of the rotor having axially extending cylindrical recesses therein, bearings in the form of segments of a cylinder mounted in said recesses on opposite sides of the vanes for oscillation, fluid inlet and outlet ports for said chamber, and means carried by the rotor for compensating the action of centrifugal force on said bearings.

2,245,499

CELLULOSE DERIVATIVE, WAX EMULSION FOR COATING WRAPPING MATERIALS

Frank H. Reichel and Augustus Edward Craver, Fredericksburg, Va., assignors to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia

No Drawing. Application June 7, 1939, Serial No. 277,952
12 Claims. (Cl. 91—68)

1. A composition of matter adapted for the production of coatings and films comprising a solution of a film-forming cellulose derivative belonging to the group consisting of esters, ethers, hydroxy-alkyl ethers, mixed esters and mixed ethers of cellulose and a wax in a volatile liquid organic solvent therefor, and colloidally dispersed therein a small amount of water and a small amount of a solid organic hydrophilic colloid which is soluble in water but insoluble in said organic solvent, said composition yielding upon evaporation of the solvent at an elevated temperature a transparent non-tacky coating in which said hydrophilic colloid is distributed in fine particles.

2,245,500

POLYVINYL RESIN COMPOSITION

Herbert Rein, Leipzig, and Karl Rössler, Zschorndorf, Kreis Bitterfeld, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application November 29, 1938, Serial No. 242,924. In Germany December 2, 1937
4 Claims. (Cl. 260—36)

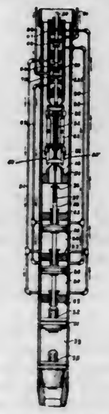
1. An article of manufacture consisting of a polymer of polyvinyl chloride, said polymer containing as the sole plasticizer therefor an addition of no more than 5 per cent of elementary sulfur.

2,245,501

RECIPROCATING PUMP

William C. Richardson, Electra, Tex.

Application September 25, 1937, Serial No. 165,750
19 Claims. (Cl. 103—46)



1. In a deep well pump, the combination of a

casing having a plurality of aligned cylinders therein, a pump piston in one of said cylinders, a power piston in an adjacent cylinder, a tubular connecting rod attached to said pump piston mechanically connecting said pump and power pistons together and extending through the power piston for directing pumped fluid therethrough for discharge through the casing, means forming passageways for directing fluid to the power cylinder on respective opposite sides of the power piston, valve means connected with said passageways for controlling the supply of fluid to said power cylinder and having a valve stem connected with the valve means and extending approximately in axial alignment with the connecting rod, and trip means interposed between said valve stem and the connecting rod and connected therewith.

2,245,502

WELT STRETCHING FORM

Richard H. Scheer, Philadelphia, Pa., assignor to Vanity Fair Silk Mills, Reading, Pa., a corporation of Pennsylvania

Application March 16, 1939, Serial No. 262,281
6 Claims. (Cl. 223—75)



1. A flat hosiery form the edges of which conform generally to the shape of a stocking, said edge portions at the welt end being recessed, spaced wells extending into the form from the bottom of each recess, movable ridge elements slidably seated one in each of said recesses, guide members extending from the inner face of each of said ridge elements into said wells, means limiting the outward movement of each said guide members with respect to its well and resilient means interposed between the bottom face of each recess and the inner face of the adjacent movable edge and intermediate said spaced guide members forcing said edge member outwardly with a limited rocking movement as specified.

2,245,503

MANUFACTURE OF NICKEL CARBONYL

Leo Schlecht, Rudolf Staeger, and Hermann Klippel, Ludwigshafen - on - the - Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort - on - the - Main, Germany

No Drawing. Application March 2, 1939, Serial No. 259,384. In Germany March 12, 1938
2 Claims. (Cl. 23—203)

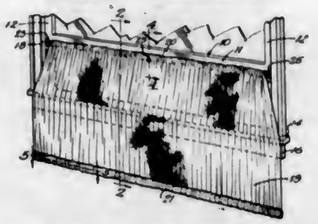
1. A process of producing nickel carbonyl from nickel matte containing sulfur and at least one of the metals iron and copper which comprises roasting the matte until sulfur is removed to such an extent that the metal content of the roasted matte of at least one of the metals iron and copper is sufficient to bind the remaining amount of sulfur, reducing the partially roasted product with hydrogen under substantial pressure and directly subjecting the roasted and reduced product to carbonylization by treatment with carbon monoxide.

2,245,504

DUST CURTAIN

Charlotte V. P. Sherwood, Chicago, Ill., assignor to Charlotte S. Denton, Chicago, Ill.

Application September 6, 1940, Serial No. 355,556
5 Claims. (Cl. 156—10)



1. A device of the class described, comprising a curtain having a hem along each of its upper and lower edges, said curtain being wider than a window opening which it is adapted to cover, an elongated tension spring extending through the upper hem of said curtain, said spring being detachably secured at each end to the sides of the lower end of a window sash closely adjacent the window frame, and a sleeve freely insertable in the lower hem of the curtain, said sleeve having a plurality of independent weights secured at spaced intervals therein.

2,245,505

PROCESS FOR REPLENISHING AND CORRECTING THE ELECTROLYTE IN THE REFINING OF ALUMINUM

Karl Siedentopf, Bitterfeld, Germany, assignor to "Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue," Paris, France, a corporation of France

Application July 1, 1939, Serial No. 282,547
In Germany July 12, 1938
3 Claims. (Cl. 204—67)

1. In the igneous electrolytic refining of aluminum in a tank containing a lower layer of an alloy of aluminum and of a heavy metal acting as anode, an intermediate layer of electrolyte and an upper layer of pure aluminum acting as cathode, a process for replenishing and correcting the electrolyte, in the refining tank itself, without interrupting the refining operation, which comprises segregating in the refining tank itself, a portion of the electrolyte, adding to said segregated part of the electrolyte salts adapted to correct the electrolyte and to maintain its composition substantially constant, and purifying the said salts by electrolyzing said segregated portion of the electrolyte while continuing the refining operation.

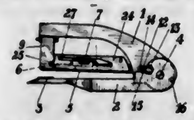
2,245,506

STAPLING APPARATUS

Ida Skrebba, geb. Stühlinger, Lahr in Baden, Germany

Application February 13, 1936, Serial No. 63,815
In Germany February 19, 1935
6 Claims. (Cl. 1—49)

1. A stapler comprising a staple carrier, a staple driver, a lever actuating said driver, an anvil, a second lever mounting said anvil, said levers comprising single armed levers and being connected together at one end by a pivot, said carrier being mounted between said levers and being freely mounted on the pivot of said levers, and



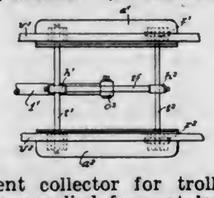
coacting means at the ends of the levers adjacent said pivot, said means being adapted to limit the the opening movement of said levers, releasing means movable to permit said levers to be opened to a position in prolongation of one another, and means for locking said levers in said prolongated position.

2,245,507

CURRENT COLLECTOR FOR TROLLEY BUSSES OR LIKE VEHICLES

Ferenc Szalay, Budapest, Hungary, assignor to Inventio Patentverwertungs - Aktiengesellschaft, Glarus, Switzerland, a company of Switzerland

Application February 21, 1939, Serial No. 257,725
In Hungary February 28, 1938
7 Claims. (Cl. 191—57)



1. A current collector for trolley busses or light vehicles supplied from at least two overhead wires, comprising elongated shoes insulated from one another, means pivotally connecting said shoes together to maintain said shoes in spaced relation substantially parallel to said overhead wires and permitting relative vertical movement of said shoes, a single guiding flange upon each of said shoes so arranged that by their guiding engagement the lateral movement of said shoes is limited with relation to said overhead wires, said current collector being provided with pivotally supporting means around which said collector may adjust itself at least around two axes, one of said axes being substantially vertical and around which said collector is rotatable as a whole with relation to the trolley pole.

2,245,508

SANITARY LAMINATED PAD

George B. Travis, Washington, D. C.

Application November 22, 1937, Serial No. 175,992
1 Claim. (Cl. 154—46)



A sanitary laminated pad for toilet purposes, comprising a layer of cellulosic wadding of the same compactness throughout and disintegrable in water, a layer of absorbent cotton of the same compactness throughout disposed over the aforementioned layer in water-absorbing contact therewith, and a backing layer of tough water-resistant paper approximately coextensive with the aforementioned layers having a portion extending in overlapping relationship at one end only over said layer of absorbent cotton, said overlapping portion covering only a narrow strip of the layer of absorbent cotton, all of said layers being readily separable.

2,245,509

PRODUCTION OF 4.4'-DICHLORODIBUTYL ETHER

Hans-Georg Trieschmann, Mannheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany

No Drawing. Application June 26, 1940, Serial No. 342,503. In Germany July 29, 1939
3 Claims. (Cl. 260—614)

1. A process for the production of 4,4'-dichlorodibutyl ether which consists in heating 4-chlorobutanol and hydrogen chloride in the liquid phase under superatmospheric pressure to temperatures exceeding 110° C.

2,245,510

CURTAIN HANGER

Joseph Edward Turley, Attleboro, Mass., assignor to Ernest H. Augat, Attleboro, Mass.

Application February 8, 1940, Serial No. 317,854
6 Claims. (Cl. 156—21)



6. A curtain hanger comprising a rigid bar formed of sheet stock, a sharpened hook at the top end of said bar formed of the same piece of stock as the bar for fastening said bar onto a curtain, said hook projecting from one side of the bar at substantially right angles thereto, thence upwardly and forwardly in a substantially continuous curve with the pointed end portion of the hook terminating in a line at substantially right angles to the general plane of said bar, and a loop formed of the stock of said bar comprising a hook member bent outwardly and downwardly from the opposite side of the bar than the side from which the hook projects, the free end of said loop member being disposed in cooperating relationship with respect to a portion of said bar to provide an operable loop for detachably receiving a curtain-supporting rod.

2,245,511

TELEPHONE INSTRUMENT

Arthur Turnbull, Jr., Far Hills, and Herbert R. Warnke, East Orange, N. J., assignors to United States Instrument Corporation, East Orange, N. J., a corporation of New Jersey

Application December 4, 1937, Serial No. 178,150
9 Claims. (Cl. 179—119)

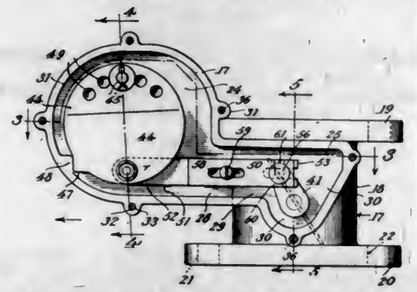
1. In a telephone instrument, a pair of opposed pole-pieces having inwardly projecting pole-tips defining an air-gap between said pole-pieces, permanent magnets disposed lengthwise between and spacing said pole-pieces and serving to fix said air-gap, connecting means extending between said pole pieces and engaging said magnets for maintaining the latter in place between said pole pieces, a non-magnetic bridge member spanning the space between said pole-pieces, a vibratory armature supported on said bridge and extending

between said pole-tips, a diaphragm connected to said armature, and a coil surrounding said



armature and adapted to be connected in a telephone circuit.

2,245,512
GOVERNOR VALVE
James C. Weaver, Harrisburg, Pa., assignor to Samuel Snyder, Harrisburg, Pa.
Application July 25, 1939, Serial No. 286,482
9 Claims. (Cl. 137—139)



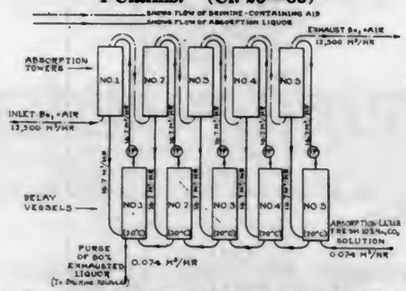
9. A valve comprising a casing having a passage; a pendulum mounted for swinging movement within said casing; a valve plate mounted within the passage of the casing for regulating flow therethrough; adjustable means connecting the pendulum and the valve plate, said adjustable means permitting the initial position of the valve plate to be regulated to normally permit a selected maximum flow to traverse the passage; and means to prevent the said pendulum from swinging in a direction to reduce the maximum flow through the passage, but permitting the same to swing in a direction to increase the maximum flow therethrough.

2,245,513
HAND MOISTENER
Carl H. Weicker, Toronto, Ontario, Canada
Application February 10, 1939, Serial No. 255,708
3 Claims. (Cl. 91—51)



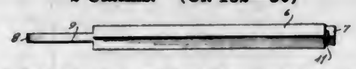
3. A moistener comprising, in combination, a receptable for holding water, a cover for said receptacle, a rectangular opening centrally of the cover, a cylinder rotatably mounted in the opening in said cover disposed to project downwardly into the receptacle to be moistened and to project upwardly above the cover for contact with an object to be moistened, and a groove in said cover circumscribing the opening therein and having an aperture for returning to the receptacle the excess moisture collected by said groove.

2,245,514
ABSORPTION OF BROMINE
Arthur Tandy Williamson, Northwich, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application February 24, 1940, Serial No. 320,655
In Great Britain February 18, 1939
4 Claims. (Cl. 23—85)



1. In the recovery of bromine in fixed form, from gases containing bromine vapors, by methods wherein such gas is brought successively into contact with each of a plurality of bodies of alkaline reacting absorption liquor, circulated into and out of contact with said gas, for absorption of bromine from the said gas and partial fixation thereof in unstable combination in the liquor, whereby liquor having an appreciable bromine vapor pressure after contact with the gas is formed in at least one of said circulating bodies, the improvement which comprises maintaining such a total volume of liquor in at least the said one of said circulating bodies that the periodic time of circulation for that body of liquor is at least 5 W/Q_L minutes, where W is the total rate of absorption of bromine in all the said plurality of bodies of absorption liquor, in kilograms per minute, and Q_L is the rate of circulation of the said one body of liquor, in cubic meters per minute, whereby the bromine absorbed by said body is largely converted into bromate and bromide, with lessening of the bromine vapor pressure, before the said liquor returns into contact with said gas.

2,245,515
HAIRPIN
William Williams, Wilkes-Barre, Pa.
Application March 25, 1941, Serial No. 385,163
2 Claims. (Cl. 132—50)

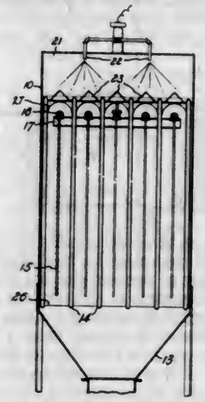


1. A hairpin comprising two coacting tongues V-shaped in cross section the contacting portions being parallel, a loop integral with the tongues, the upper portion of the loop being approximately straight, and the lower portion thereof being curved upwardly, the upper of said tongues being shorter than the lower one and the said shorter tongue having an upwardly curved extension and operative to guide hair between the said tongues.

2,245,516
ELECTRICAL PRECIPITATOR
Harry A. Wintermute, Plainfield, N. J., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application March 24, 1939, Serial No. 264,003
16 Claims. (Cl. 183—7)

1. In apparatus for the electrical treatment of

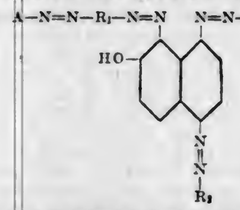
gas including opposed discharge and collecting electrodes, spray-producing means positioned to project a mist of liquid particles directly into the space between the discharge and collecting electrodes and shield members in electrical connec-



tion with the collecting electrodes and positioned between the source of liquid particles and the discharge electrodes to prevent impingement of the liquid particles on the discharge electrodes while permitting direct projection of mist into the inter-electrode space.

2,245,517
POLYAZO DYESTUFFS
Paul Zervas, Cologne-Mulheim, Germany, assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 8, 1939, Serial No. 308,149. In Germany August 27, 1937
4 Claims. (Cl. 260—166)

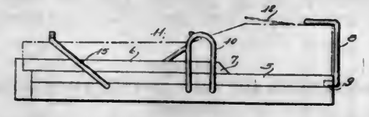
1. As new products water-soluble substantive polyazodyestuffs of the general formula:



wherein A and B stand for radicals of final components selected from the group consisting of m-diaminobenzene, hydroxybenzene, m-dihydroxybenzene, the alkyl, halogen, NO_2, SO_3H, COOH nuclear substitution products thereof and the N-hydroxyalkyl-, N-carboxy-alkyl, N-sulfoalkyl-derivatives of the said diamines, R_1 stands for one of the group consisting of monocyclic and bicyclic aromatic radicals and R_2 stands for a radical selected from the group consisting the benzene and the naphthalene series, at least one sulfonic group being present in the dyestuff molecule.

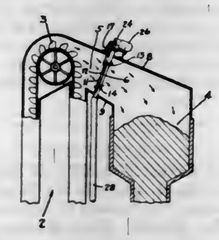
2,245,518
PAPER BAG HOLDER
Joseph C. Allen, Carbon Hill, Ala.
Application March 11, 1940, Serial No. 323,458
3 Claims. (Cl. 211—51)

1. In a bag holder, a base having a transversely disposed shoulder remote from one end thereof forming a resistance to the movement of bags deposited on the base, a bracket at one end having a portion overlying a portion of the base, a guide at the side edge of the base ex-



tending upwardly for engaging the edges of bags, bag engaging clamps oscillatably mounted in the base on each side thereof and having extensions overlying the bags, and means for exerting yielding force on the said clamps.

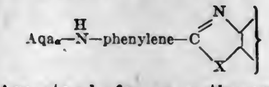
2,245,519
GRAIN SAMPLER
Joseph E. Bailey, Minneapolis, Minn., assignor to Cargill, Incorporated, Minneapolis, Minn., a corporation of Delaware
Application October 16, 1939, Serial No. 299,647
3 Claims. (Cl. 83—15)



2. In combination with a grain elevator leg having a discharge throat, a sampling device comprising a tubular member having its ends supported in the upper and lower walls of the throat, said member having a plurality of openings in the wall thereof, adapted to receive grain passing through said throat from the elevator, a cover for said openings, parallel links supporting the cover, a mechanism for operating the cover to alternately open and close said openings, said parallel links causing the cover to move away from the tubular member, each time the cover is moved into open position, thereby to release any grain which may tend to accumulate in the cover operating mechanism.

2,245,520
DYESTUFFS OF THE ANTHRAQUINONE SERIES
Fritz Baumann and Heinz-Werner Schwechten, Leverkusen-I. G. Werk, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware
No Drawing. Application March 8, 1938, Serial No. 194,602. In Germany March 17, 1937
4 Claims. (Cl. 260—276)

1. The compounds of the formula



wherein Aqa stands for an anthraquinone-acridone selected from the group consisting of the benz- and naphth-acridones, the Greek letter α means that the nitrogen atom is attached in alpha-position to the anthraquinone nucleus of the anthraquinone-acridone, A stands for an anthra-

quinone radical and X stands for a linking radical of the class consisting of —O—, —S—, and

$$-\underset{R_1}{N}-$$

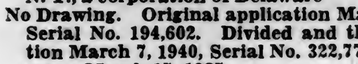
R_1 standing for a member selected from the group consisting of hydrogen, alkyl and phenyl.

2,245,521
DYESTUFFS OF THE ANTHRAQUINONE SERIES

Fritz Baumann and Heinz-Werner Schwechten, Leverkusen I. G.-Werk, Germany, assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Original application March 8, 1938, Serial No. 194,602. Divided and this application March 7, 1940, Serial No. 322,772. In Germany March 17, 1937
4 Claims. (Cl. 260—277)

1. The compounds of the formula

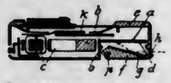


wherein A stands for an anthraquinone-acridone selected from the group consisting of the benz- and naphth-acridones, the Greek letter α means that the nitrogen atom is attached in alpha-position to the anthraquinone nucleus of the anthraquinone acridone ring system and R stands for a vattable p-quinoidic radical containing at least 3 condensed rings.

2,245,522
PHOTOELECTRIC EXPOSURE METER

Albrecht Bernhard and Guido Beyrich, Nuremberg, Germany, assignors to Metrawatt Aktiengesellschaft, Fabrik Elektrischer Messgerate, Nuremberg, Germany, a German company

Application October 31, 1938, Serial No. 238,041
In Germany October 11, 1937
6 Claims. (Cl. 88—23)



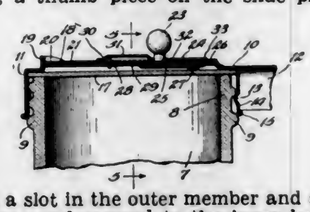
1. Photoelectric exposure meter having two measurement ranges, and comprising an electric current meter, a photoelectric element electrically connected to the current meter, the element and the current meter housed in a casing the element being arranged parallel to the plane of the upper face of the casing with its sensitive surface directed downwardly, the casing provided in front of the photoelectric element with a hinged cover having a reflecting coating, the cover being adapted to be brought into an opened position and into a closed position, said two positions corresponding to the measuring ranges and forming at the front side of the casing two definite inlet apertures of different size for the light admitted to the coating of the cover and hence reflected to the element, the cover being in the opened position inclined at about 45° with respect to the plane of the element, in the closed position inclined slightly forward so as to form a slot for the entry of light, said slot being on all sides defined by the walls of said casing and by said cover.

2,245,523
SERVER OR DISPENSER

Rudolph Bernhardt, Chicago, Ill.

Application February 4, 1939, Serial No. 254,610
3 Claims. (Cl. 65—31)

1. A container having a readily detachable combined closure and pouring spout for serving material therefrom, said closure having inner and outer metallic head portions fitting tightly together and having an outlet passageway therethrough and a spout in the outer member adjacent to said passageway, a slide mounted in the outer head portion and adapted to close said passageway, a thumb piece on the slide projected

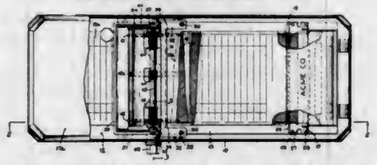


through a slot in the outer member and a spring having one end secured to the inner head portion and having a projection on the other end extending up through a slot in said inner head portion and engaging with the slide and tending to bias it to closed position, said projection engaging with one end of the slot to limit the opening movement of the slide and to prevent it from being accidentally disconnected from the closure.

2,245,524
MANIFOLDING

William G. Borchers, Hoboken, and Carl W. Brenn, Montclair, N. J., assignors to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey

Application May 19, 1939, Serial No. 274,518
18 Claims. (Cl. 282—7)



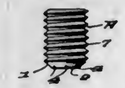
12. A manifolding register comprising a casing having a storage compartment for receiving a zigzag pile of manifolding material and a record compartment for receiving the bottom strip of manifolding material after it has been used; a platen over which the manifolding material is fed; anchoring lugs positioned on the platen laterally of the path of movement of the manifolding material thereover; auxiliary means mounted on the platen and cooperating with the anchoring means, said auxiliary means having means thereon for supporting a transfer sheet from either side of the platen to be interleaved with fanfold stationery; feeding means adjacent the other end of the platen; means loosely carried by the platen to extend thereacross and be interleaved with the fanfold stationery for slitting the desired longitudinal margins thereof; and means for severing and directing the lower strip into the record compartment after severance from the remainder of the strips.

2,245,525
LOCKING MEANS

Ralph W. Dicely, Lancaster, Pa., assignor to Mac-It Parts Company, Lancaster, Pa., a corporation of Pennsylvania

Application August 3, 1939, Serial No. 288,211
4 Claims. (Cl. 151—32)

1. A set screw formed at its leading end with a smooth surfaced substantially conical cup concentric throughout to the rotational axis of said set screw and of uniform radius in any given plane perpendicular to said axis, and a sharp annular leading edge defining the mouth of said cup, the surface of said cup being interrupted at regularly spaced intervals by a plurality of radially extending locking grooves so spaced and disposed as to leave a smooth unbroken substantially conical surface portion between each adjacent pair of said locking grooves, each said groove

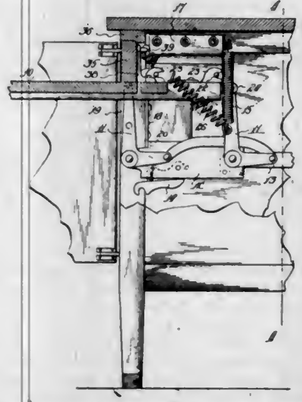


being defined by a leading wall disposed in a radial plane substantially parallel to the set screw axis, and a trailing wall disposed at an angle to the set screw axis, whereby the material of the work piece received in said cup as said leading edge is forced into engagement with and bites into the work piece is confined by the smooth surface portions of said cup and caused by the resulting high pressure to flow into said locking grooves to form locking shoulders conforming in shape to said respective grooves.

2,245,526
METAL FIXTURE FOR TYPEWRITER DESKS

Martin Fox, Chicago, Ill., assignor to The Seng Company, Chicago, Ill.

Application March 6, 1940, Serial No. 322,612
9 Claims. (Cl. 312—27)

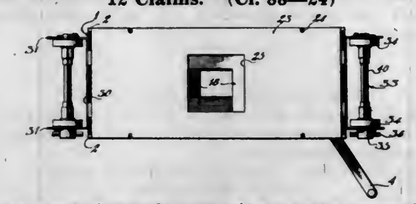


3. The combination with an office desk having a compartment for housing a typewriter and platform, slide rails at opposite sides of the compartment, carriages slidable on the rails, and bell crank levers pivoted to the carriages and to the typewriter platform at opposite sides thereof for shifting the latter from lower to raised positions outside of the compartment, of fixtures for rigidly holding the typewriter platform in raised position including spaced apart pins within the compartment at each side thereof, spaced apart hooks at each side of the rear end of the platform adapted to engage the pins in the raised position of the platform, and a spring having means whereby it is connected to the rear end of the platform and to the bell crank levers for moving the platform rearwardly into intimate engagement with the pins in the raised position of said platform.

2,245,527
PHOTOGRAPHIC DEVICE

John J. Grabfield, Cincinnati, Ohio, assignor to General Devices Corporation, Cincinnati, Ohio, a corporation of Ohio

Application November 23, 1938, Serial No. 242,028
12 Claims. (Cl. 88—24)



1. A photographic negative carrier comprising a base having an aperture, a pair of guideway elements relatively movable upon the base in parallel relationship and having grooved apertures for reception of photographic film therebetween, a pair of masking elements extending across the area intermediate the guideways and also relatively movable in parallel relationship, and rotatable elements carried upon the base and having opposing journals spaced equidistantly from the respective centers of rotation, the journals interconnecting the guideways and the masking elements for moving the guideways and masking elements in unison for maintenance of the parallel relationship of the guideways and the masks.

2,245,528
CATALYTIC OXIDATION OF ALKYL SUBSTITUTED AROMATIC COMPOUNDS

Donald J. Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

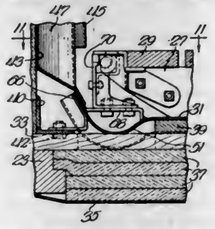
No Drawing. Application October 18, 1938, Serial No. 235,578
15 Claims. (Cl. 260—524)

2. A method of oxidizing aromatic compounds containing alkyl substituents which comprises subjecting such compounds to oxidation by means of a gas containing gaseous oxygen in the presence of an oxidation catalyst, an oxidation initiator selected from the group consisting of peroxides and compounds which form peroxides under the reaction conditions and a solvent for the aromatic compound which is substantially inert to the oxidation at a temperature in the range of 100°–320° C. and at a pressure in the range of 2 to 1000 atmospheres and separating the corresponding aromatic acid from the reaction mixture.

2,245,529
REFRIGERATOR CAR FLOOR

John S. Lundvall, Chicago, Ill., assignor to Union Asbestos & Rubber Company, Chicago, Ill., a corporation of Illinois

Application May 6, 1939, Serial No. 272,071
3 Claims. (Cl. 105—422)



1. In a floor, the combination of a metallic

flooring provided with a depressed trough portion adjacent a margin thereof and terminating in an outwardly and upwardly extending margin, and a plate-like hinge mounting member cooperatively secured to said metallic flooring in overlying bridged relationship with said trough portion and secured to said metallic flooring adjacent opposite margins of said mounting member.

2,245,530

TAENIACIDE FOR POULTRY

Orley J. Mayfield and Jack P. Henry, Charles City, Iowa, assignors to Dr. Salsbury's Laboratories, a corporation of Iowa

No Drawing. Application March 4, 1937, Serial No. 129,080

7 Claims. (Cl. 167—53.1)

7. An internal remedy for poultry and creatures subject to worms comprising an alkaloid substance having nitrogen in quaternary form and areca nut.

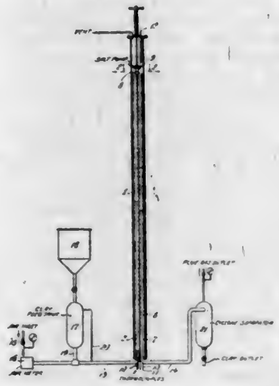
2,245,531

PROCESS FOR TREATING FINELY DIVIDED SOLID MATERIALS

John W. Payne, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application April 29, 1939, Serial No. 270,943

9 Claims. (Cl. 252—281)



1. A method of regenerating spent particles of petroleum percolation clay and similar petroleum percolation filtering material by burning off the petroleum matter thereon with air which comprises flowing the particles suspended in a concurrently flowing stream of said air through a regenerating zone wherein the particles are regenerated and circulating a sufficient amount of a liquid heat exchange medium, maintained in a temperature range between the minimum combustion temperature for said petroleum matter and the maximum combustion temperature that does not cause substantial heat damage to the particles, within sufficiently close indirect heat exchange to all the particles in said zone that the particles are not over about two inches from said heat exchange medium so that the temperature of the particles is maintained within said temperature range.

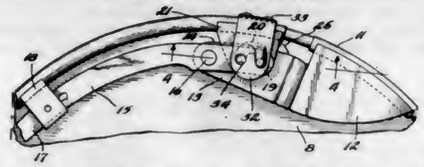
2,245,532

CONTAINER CLOSURE

Victor H. Severy, La Grange, Ill., assignor to Wilson & Bennett Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application January 26, 1938, Serial No. 186,960

2 Claims. (Cl. 220—61)



1. The combination with a split closing ring for containers, of a lug secured to one end of the ring, a closing lever pivoted to the lug and having a handle portion, a pivot carried by the opposite end of the lever, a lug extending inwardly from the opposite end of the ring and having a U-shaped slot providing two notches positioned at different distances from the end of the ring for receiving and positioning the pivot for different closing positions, and a spring plate secured to the end of the ring and projecting over the pivot and having a recess and a hole which coact with the pivot as the pivot is moved about in its U-shaped slot to pass from one notch to the other, said recess tending to releasably hold the pivot in one position and the hole holding the pivot securely in another position

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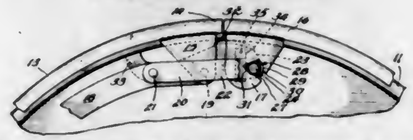
2,245,533

CONTAINER AND CLOSURE THEREFOR

Victor H. Severy, La Grange, Ill., assignor to Wilson & Bennett Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application February 16, 1938, Serial No. 190,780

6 Claims. (Cl. 220—61)



1. A closing ring of the character set forth, including a lever having a pivotal connection with one end of the ring and a link having pivotal connection with the lever adjacent to said pivotal connection, a bracket on the opposite end of the ring having intersecting openings of different sizes, and means at the free end of the link for engagement with said openings, said means having portions of varying sizes adapted to fit in the different sized openings in the bracket whereby the connecting point between the link and the bracket may be positioned at varying distances from the end of the ring.

2,245,534

AUTOMATIC STOP FOR PIPE LINES

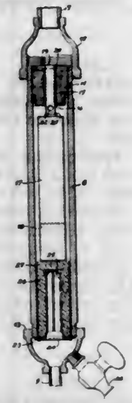
Glen L. Slocum, Pampa, Tex., assignor of one-half to Reno Stinson, Pampa, Tex.

Application October 10, 1939, Serial No. 298,801

1 Claim. (Cl. 137—104)

In an automatic stop for pipe lines, the combination with an outer pipe-section casing having a plug therein bored to provide a long vertical guide passage, of a hollow cylindrical float having a rigid coaxial hollow stem projecting from its upper end and arranged, by movement in said passage, to guide the float in said casing, an

internal wall disposed within the lower end of the float and so located as to provide an upper closed chamber within the float and an open ended chamber at its lower end, a concentric valve seat surrounding said stem upon the upper



end of the float, the stem having a side opening adjacent to the valve seat permitting gas to flow into and through the hollow stem while the valve is open, and means carried by the stem for normally preventing its withdrawal from said passage.

2,245,535

PREPARATION OF LEUCO ESTERS OF VAT DYESTUFFS

Otto Stallmann, South Milwaukee, and Milton A. Prahl, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 24, 1938, Serial No. 186,752

6 Claims. (Cl. 260—355)

1. In the process for preparing the leuco-sulfuric acid esters of vattable compounds, the improvement which consists in effecting the esterification with the reaction product of carbylsulfate and pyridine which is substantially identical with the product obtained by heating one mole of technical carbyl sulfate with at least two moles of pyridine at temperatures above 50° C.

2,245,536

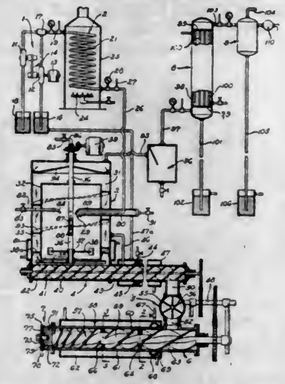
PROCESS OF MAKING, REMOVING, AND PROCESSING SOAP AND THE LIKE

Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada

Original application September 26, 1935, Serial No. 42,348. Divided and this application May 10, 1938, Serial No. 207,140. In Canada September 14, 1936

8 Claims. (Cl. 260—418)

1. A process of removing volatile material from a product including both volatile and non-volatile materials, which process includes the steps of: introducing a stream of said product into a vapor-separating chamber while at a temperature above the boiling point of said volatile material at the pressure existing in said vapor-separating chamber and while reducing the pressure thereon whereby vapors of said volatile material separate from the non-volatile material in this chamber; continuously removing the separated vapors from said vapor-separating chamber in such manner as to maintain a partial vacuum therein while collecting said non-volatile material in said chamber in comminuted condition; and removing the comminuted non-



volatile material from said chamber in such manner as not to impair said partial vacuum and without interruption to the concurrent removal of vapors from said vapor-separating chamber.

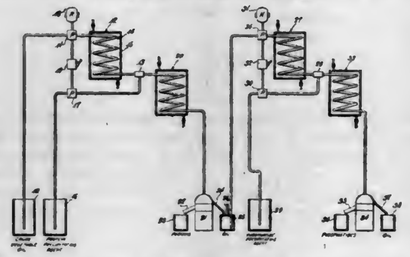
2,245,537

RECOVERY OF PHOSPHATIDES

Benjamin H. Thurman, Bronxville, N. Y., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada

Application December 29, 1938, Serial No. 248,356

5 Claims. (Cl. 260—403)



1. The process of recovering relatively pure phosphatides from vegetable oils containing gummy materials including phosphatides, which comprises, admixing a small amount of an aqueous medium having a pH of approximately 7 with said oil to precipitate gummy materials other than phosphatides, separating the precipitated material from said oil, thereafter mixing with said oil an aqueous medium having a pH between approximately 2 and 6 to precipitate relatively pure phosphatides and separating said precipitated phosphatides from said oil.

2,245,538

RECOVERY OF HIGHER FATTY ALCOHOLS

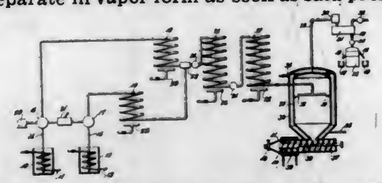
Benjamin H. Thurman, Charlotte, N. C., assignor to Refining, Inc., Reno, Nev., a corporation of Nevada

Application April 1, 1941, Serial No. 386,388

13 Claims. (Cl. 260—418)

1. The process of producing substantially pure higher fatty alcohols and high quality soap, which comprises, forming a mixture of an oil containing higher fatty alcohol esters of fatty acids and sufficient alkali to substantially completely sa-

ponify said esters, saponifying said esters by pumping a stream of said mixture through a heating zone under pressure, supplying sufficient heat to said heating zone to substantially completely saponify said mixture and raise the temperature thereof sufficient to cause said alcohols to separate in vapor form as soon as said pressure



is reduced, any heating of oil or fatty material substantially above the boiling point of water being effected during stream flow thereof, discharging said heated mixture into an evaporating zone at a lower pressure wherein said alcohols are substantially immediately separated in vapor form from the resultant soap, and continuously withdrawing and condensing said vapors.

2,245,539

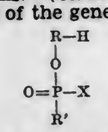
SULPHANILAMIDE PHOSPHORIC ACID DERIVATIVE AND PROCESS FOR THE MANUFACTURE THEREOF

Kurt Warnat, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application July 19, 1939, Serial No. 285,439. In Germany July 29, 1938

16 Claims. (Cl. 260—237)

10. A compound of the general formula



wherein R is a radical of a therapeutically employable base, R' is a radical selected from the group consisting of —NH and —OH radicals, and —X is a radical of a therapeutically active 4-amino-benzene sulphonamide which is attached to the P atom through the 4-amino nitrogen atom.

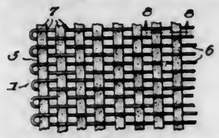
2,245,540

REINFORCING STRIP FOR FINISHING WELTS AND THE LIKE

Glen G. Barr, Union City, Ind., assignor to Backstay Welt Company, Union City, Ind., a corporation of Indiana

Application October 2, 1939, Serial No. 297,611

6 Claims. (Cl. 139—420)



1. In a narrow fabric reinforcing strip for finishing welts and the like, a plurality of parallel weft strands of pliable wire, a plurality of parallel warp strands each consisting of a flat, thin tape formed from a strip of paper folded edgewise on itself, said strands being woven together to form a thin textile body characterized by large interstices between adjacent parallel strands whereby the wire strands are devoid of kinks or angular bends at their crossings with the paper strands, and a thin layer of cementitious material securing the strands together at their crossings whereby the strands are sufficiently free and the mesh is sufficiently open to permit a limited degree of relative adjustment of the strands when the fabric is curved flatwise laterally.

2,245,541

LEAD GLAZE

Raymond W. Goodwin, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York

No Drawing. Application July 15, 1938, Serial No. 219,414

8 Claims. (Cl. 106—49)

1. A lead glaze comprising about forty to sixty per cent of lead oxide, fifteen to thirty per cent of silica, one per cent of aluminum oxide and a small amount not exceeding about three per cent of alkali oxides, said glaze having a firing temperature and coefficient of expansion adapting it for fusion to glass electric lamp envelopes.

2,245,542

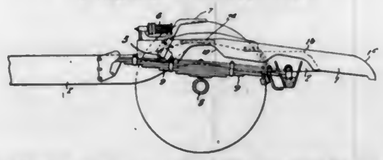
TRACTOR ROAD VEHICLE

Percy Garibaldi Hugh and Henry Thornton Baker, Watford West, England, assignors to Scammell Lorries Limited, Watford, West, England

Application May 23, 1939, Serial No. 275,190

In Great Britain December 23, 1938

2 Claims. (Cl. 280—106)



1. Means for converting the main chassis of a commercial road vehicle for adapting it for tractor purposes comprising a pair of angle section ramps adapted to abut against and to be welded to the upper and outer sides of the longitudinal main frame members of the vehicle, a pair of stiffening plates adapted to be welded along the inner sides of the said main frame members and also to be prolonged beyond the rear ends of the main frame members and to be welded at their rear ends to the ramps, a transverse frame member adapted to be fixed across the main frame members, and diagonal stays adapted to be welded across said transverse frame member and said stiffening plates.

2,245,543

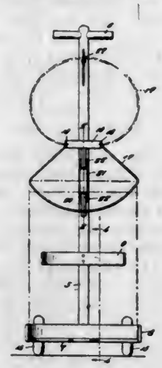
RECEPTACLE HANDLING APPLIANCE

Teddy Landsman and David W. Feinberg, Los Angeles, Calif., assignors of one-third to Alec Landsman, Los Angeles, Calif.

Application May 7, 1940, Serial No. 333,828

2 Claims. (Cl. 214—65.4)

1. A hand truck of the character described comprising a hand bar, an article supporting shelf at the lower end of the bar, wheels at the lower end of the bar, a slide mounting on the intermediate portion of the bar, a sling on the slide mounting, said sling being movable to engage and hold an article on the shelf, a slide hook at the upper end of the bar and adapted to afford a retainer over which the sling is disposable, said slide mounting consisting of a forwardly protruding structure on the bar having openings therein, a T-shaped member having its depending portion disposed through the openings and having its head portion of arcuate shape and to which the sling is secured, and a clamp member disposed



through the hand bar and against the depending portion of the T-shaped member to retain the same in definite position with respect to the protruding structure.

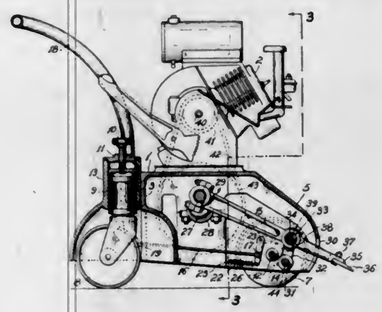
2,245,544

SPUDDING MACHINE

Perry E. Miller, Cleveland Heights, Ohio

Application November 18, 1938, Serial No. 241,293

5 Claims. (Cl. 262—8)



2. In a surface treating machine, a plurality of relatively broad blades arranged in close side by side relation and operable to deliver a transverse succession of forward impact cutting blows to a surface to be treated so as to throw particles loosened by the blades well forwardly of the machine, and means for operating said blades, said means including a driving member, a blade support for each blade having pivoted connection with said driving member and having pivotal connection with the machine body at a point between the blade and said first pivotal connection.

2,245,545

SURFACE TREATING TOOL

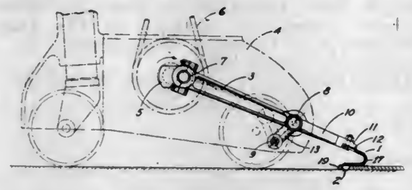
Perry E. Miller, Cleveland Heights, Wilbur C. Sauer, Dover Center, and Charles C. Hower, Cleveland, Ohio; said Sauer and said Hower assignors to said Miller

Application May 9, 1939, Serial No. 272,648

7 Claims. (Cl. 15—93)

1. A surface treating tool comprising a holder

substantially U-shaped in cross section to impart a limited degree of flexibility to the holder and a plurality of individually flexible cutters secured in



said holder, an arm of said holder having openings therein to receive the ends of the cutters individually operating therethrough.

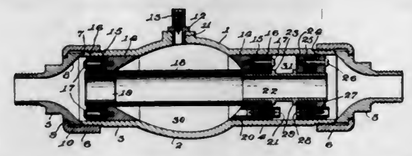
2,245,546

AUTOMATIC GAS INJECTOR FOR LIQUID SYSTEMS

George H. McMullen and Josiah M. Haddaway, West Chester, Pa.

Application October 23, 1939, Serial No. 300,684

8 Claims. (Cl. 137—78)



6. The combination of a water system, with a casing connected in said system and having a valve controlled air inlet in a wall thereof, with a hollow expansible member within said casing, and upon expanding being operative to close said aperture independently of said valve, and valve means to control the flow of air from said casing into said system.

2,245,547

METHOD OF PREPARING HALO ACRYLIC ESTERS

Maxwell A. Pollack, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Application October 19, 1939 Serial No. 300,200

20 Claims. (Cl. 260—486)

1. A method of preparing an ester of an alpha haloacrylic acid which comprises dehydrohalogenating an ester of a dihalopropionic acid having at least one halogen in the alpha position.

2,245,548

PROCESS OF PURIFICATION OF NAPHTHENIC ACIDS THROUGH CONVERSION TO NITRILES

Anderson W. Ralston and James Harwood, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application May 1, 1939, Serial No. 271,200

8 Claims. (Cl. 260—514)

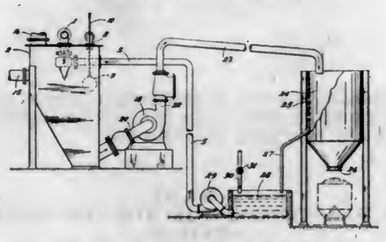
7. In a process of purifying naphthenic acids, the step comprising reacting crude naphthenic acids with ammonia to form naphthenic acid nitriles, and then separating the nitriles from the reaction mixture.

2,245,549

METHOD OF QUENCHING FLUID COKED PETROLEUM RESIDUE AND APPARATUS FOR CARRYING OUT THE METHOD

Frank B. Allen, Lower Merion Township, Montgomery County, Pa., assignor to The Allen-Sherman-Hoff Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 17, 1938, Serial No. 208,405
9 Claims. (Cl. 202—37)



1. The method of handling hot fluid viscous petroleum coke or like material which includes the steps of flowing said material through a conduit, discharging the hot fluid material from said conduit in a solid stream, discharging a plurality of disintegrating jets of water under pressure downwardly and radially inwardly into said solid stream material at a plurality of points spaced around and adjacent the point of discharge of said solid stream of material from the conduit, breaking and tearing said hot fluid material into small particles by said jets of water, and collecting the disintegrated material in a body of water disposed below the disintegrating jets of water.

2,245,550

MANUFACTURE OF OXIDES OF NITROGEN

Leonid Andrussow, Mannheim, and Karl Braun, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application April 26, 1938, Serial No. 204,350. In Germany May 3, 1937
4 Claims. (Cl. 23—160)

1. The process of producing highly concentrated oxides of nitrogen which comprises heating aqueous nitric acid to vaporize it and reacting the gaseous mixture of the products so obtained with a gas containing a reducing agent selected from the group consisting of hydrogen, hydrogen sulfide and hydrocarbons and recovering the oxides of nitrogen from the reaction mixture.

DESIGNS

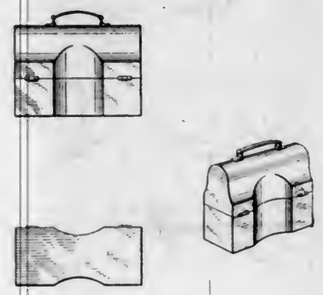
JUNE 10, 1941

127,670

DESIGN FOR A LUNCH PAIL

George A. Allen, Denver, Colo.

Application February 27, 1941, Serial No. 99,252
Term of patent 14 years



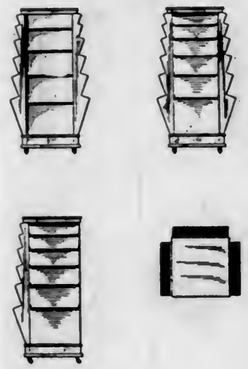
The ornamental design for a lunch pail, substantially as shown and described.

127,671

DESIGN FOR A MAGAZINE STAND OR SIMILAR ARTICLE

Frank Keller Bostian, Chambersburg, Pa.

Application March 24, 1941, Serial No. 99,825
Term of patent 3½ years



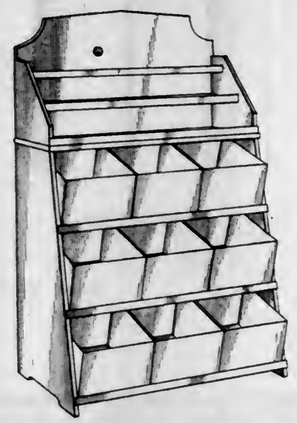
The ornamental design for a magazine stand or similar article, as shown.

127,672

DESIGN FOR A COMBINED SEED DISPLAY AND SALES CABINET

Thomas H. Brown, Grand Rapids, Mich., assignor to A. J. Brown & Son, Inc., Grand Rapids, Mich., a corporation of Michigan

Application August 8, 1940, Serial No. 94,304
Term of patent 7 years



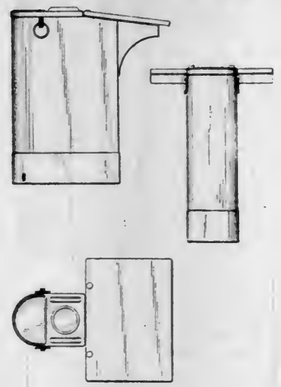
The ornamental design for a combined seed display and sales cabinet, as shown.

127,673

DESIGN FOR A COMBINED SCORE TABLE AND BOWLING ALLEY SERVICE UNIT OR SIMILAR ARTICLE

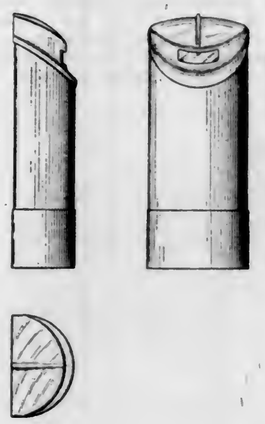
Ellery J. Cloutier, Muskegon, Mich., assignor to The Brunswick - Balke - Collender Company, Chicago, Ill., a corporation of Delaware

Application April 7, 1941, Serial No. 100,185
Term of patent 14 years



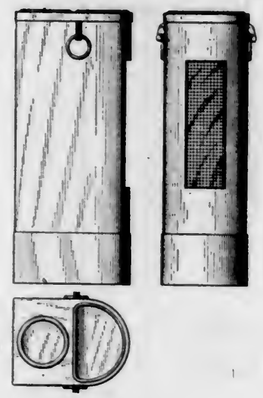
The ornamental design for a combined score table and bowling alley service unit or similar article, as shown and described.

127,674
DESIGN FOR A TERMINAL POST FOR BOWLING BALL RACKS OR THE LIKE
Ellery J. Cloutier, Muskegon, Mich., assignor to The Brunswick - Balke - Collender Company, Chicago, Ill., a corporation of Delaware
Application April 7, 1941, Serial No. 100,186
Term of patent 14 years



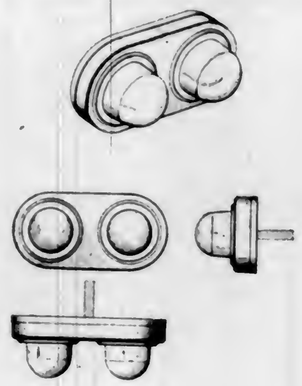
The ornamental design for a terminal post for bowling ball racks or the like, as shown.

127,675
DESIGN FOR A NEWEL POST FOR BOWLING BALL RACKS OR THE LIKE
Ellery J. Cloutier, Muskegon, Mich., assignor to The Brunswick - Balke - Collender Company, Chicago, Ill., a corporation of Delaware
Application April 7, 1941, Serial No. 100,188
Term of patent 14 years



The ornamental design for a newel post for bowling ball racks or the like, as shown.

127,676
DESIGN FOR A REFLECTOR
Samuel M. Dover, Chicago, Ill.
Application February 13, 1941, Serial No. 99,000
Term of patent 7 years



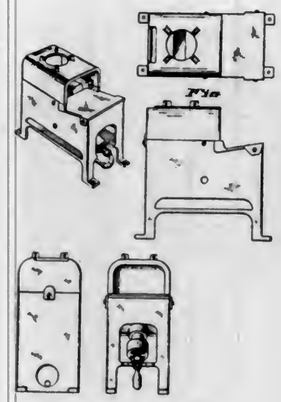
The ornamental design for a reflector, substantially as shown and described.

127,677
DESIGN FOR A JEWELRY CASE OR THE LIKE
Leo Flier, Springfield, Mass.
Application March 25, 1941, Serial No. 99,859
Term of patent 14 years



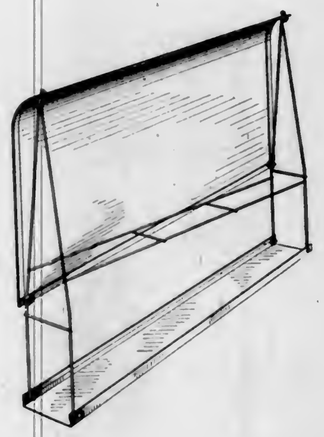
The ornamental design for a jewelry case or the like, substantially as shown and described.

127,678
DESIGN FOR A TINNER'S FURNACE
Percy M. Forster, Berkeley, Calif.
Application September 30, 1940, Serial No. 95,529
Term of patent 3½ years



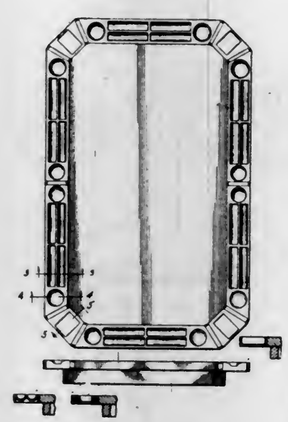
The ornamental design for a tinner's furnace, substantially as shown.

127,679
DESIGN FOR A BAG RACK
Verne Garrison, Lamar, Mo.
Application March 14, 1941, Serial No. 99,602
Term of patent 3½ years



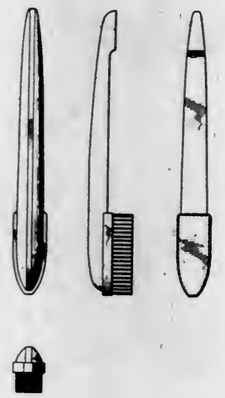
The ornamental design for a bag rack, as shown.

127,680
DESIGN FOR A TABLE TOP
Meyer Greitzer, Los Angeles, Calif.
Application June 22, 1940, Serial No. 93,190
Term of patent 3½ years



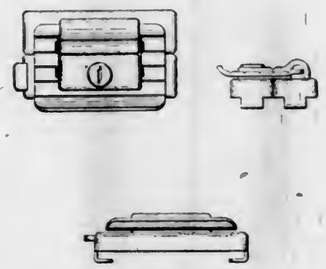
The ornamental design for a table top, as shown.

127,681
DESIGN FOR A DOOR LATCH HANDLE
Clare E. Hodgman, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application March 8, 1941, Serial No. 99,422
Term of patent 7 years



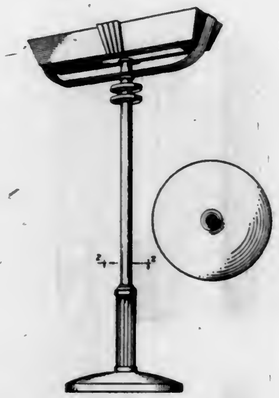
The ornamental design for a door latch handle, as shown.

127,682
DESIGN FOR A LOCK FOR LUGGAGE CONTAINERS OR THE LIKE
Abraham Levine, Elizabeth, N. J.
Application April 1, 1941, Serial No. 100,078
Term of patent 14 years



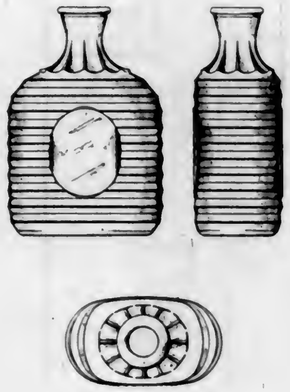
The ornamental design for a lock for luggage containers or the like, as shown.

127,683
DESIGN FOR A FLUORESCENT FLOOR LAMP
John F. Livers, Decatur, Ill., assignor to Faries Manufacturing Company, Decatur, Ill., a corporation of Illinois
Application September 28, 1940, Serial No. 95,479
Term of patent 3½ years



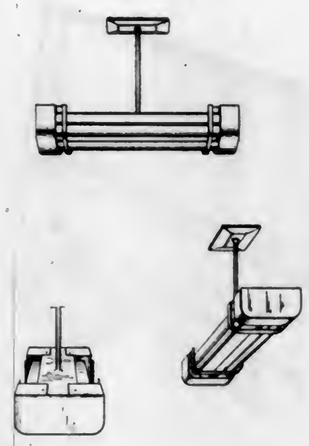
The ornamental design for a fluorescent floor lamp, as shown.

127,684
DESIGN FOR A BOTTLE
Arnold I. Lorenzen, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 14, 1940, Serial No. 97,322
Term of patent 14 years



The ornamental design for a bottle, substantially as shown and described.

127,685
DESIGN FOR A FLUORESCENT LAMP FIXTURE
Charles F. MacCarthy, Salem, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application June 11, 1940, Serial No. 92,930
Term of patent 3½ years



The ornamental design for a fluorescent lamp fixture, as shown.

127,686
DESIGN FOR A FOOT INVIGORATOR
John K. Milton, Chicago, Ill.
Application January 22, 1941, Serial No. 98,273
Term of patent 14 years



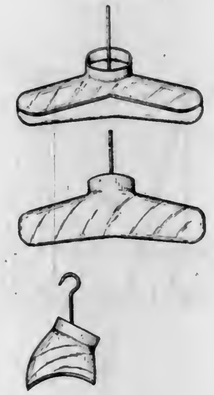
The ornamental design for a foot invigorator, as shown.

127,687
DESIGN FOR A COMBINED BOTTLE AND DISPENSING CUP
Dennis Frank Ryan, Belmont, Mass., assignor to John Bradshaw Company, Boston, Mass., a corporation of Massachusetts
Application March 27, 1941, Serial No. 99,929
Term of patent 3½ years



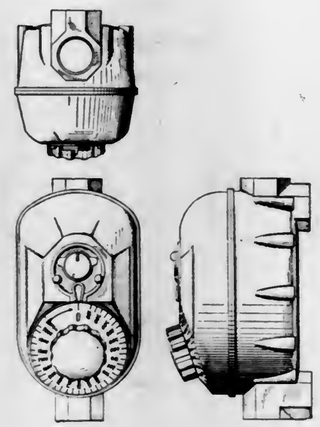
The ornamental design for a combined bottle and dispensing cup, as shown.

127,688
DESIGN FOR A GARMENT CURING FORM
Nishan S. Sarkisian, Mishawaka, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana
Application February 10, 1941, Serial No. 98,859
Term of patent 14 years



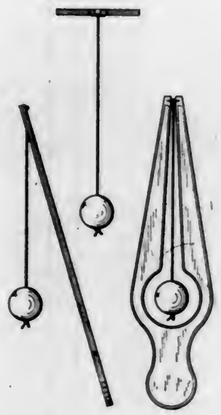
The ornamental design for a garment curing form, as shown.

127,689
DESIGN FOR AN AUTOMATIC CUT-OFF DEVICE FOR DISPENSING APPARATUS
Henry F. Soper, East Orange, N. J., assignor to Neptune Meter Company, a corporation of New Jersey
Application March 24, 1941, Serial No. 99,813
Term of patent 14 years



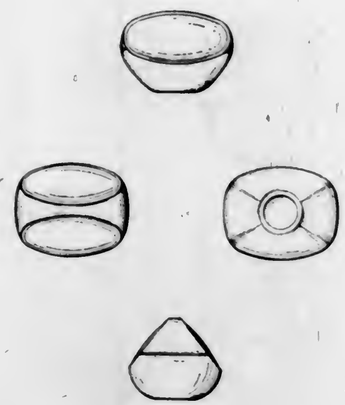
The ornamental design for an automatic cut-off device for dispensing apparatus, as shown.

127,690
DESIGN FOR A TOY
Ernest W. Baxter, Van Wert, Ohio
Application October 8, 1940, Serial No. 95,686
Term of patent 7 years



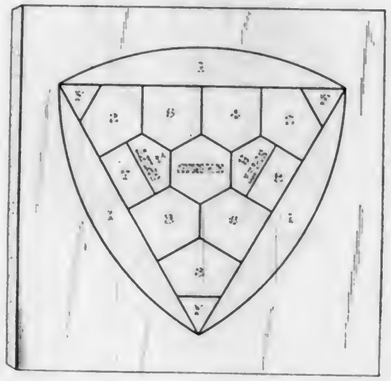
The ornamental design for a toy, substantially as shown.

127,691
DESIGN FOR A TAP KNOB
Francis C. Fisher, Syracuse, N. Y.
Application March 12, 1941, Serial No. 99,519
Term of patent 14 years



The ornamental design for a tap knob, as shown.

127,692
DESIGN FOR A GAME BOARD OR SIMILAR ARTICLE
Robert M. Gatrell and Edgar Littlefield, Columbus, Ohio
Application January 27, 1941, Serial No. 98,417
Term of patent 3½ years



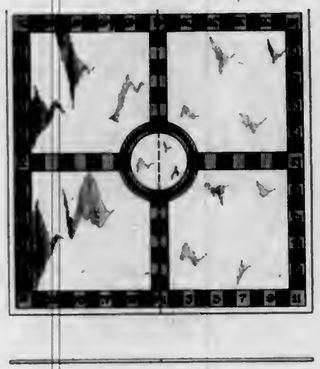
The ornamental design for a game board or similar article, as shown.

127,693
DESIGN FOR A DOLL FACE MASK OR SIMILAR ARTICLE
Arthur A. Gerling, New York, N. Y., assignor to Knickerbocker Toy Co. Inc., New York, N. Y., a corporation of New York
Application January 25, 1941, Serial No. 98,385
Term of patent 7 years



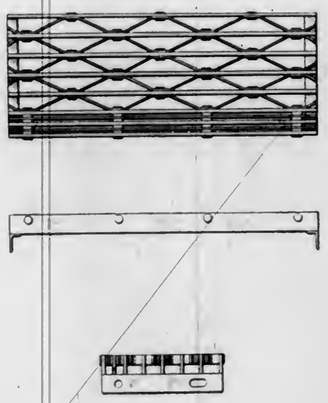
The ornamental design for a doll face mask or similar article, substantially as shown.

127,694
DESIGN FOR A GAME BOARD
Charles C. Groesbeck, Los Angeles, Calif.
Application February 3, 1941, Serial No. 98,682
Term of patent 14 years



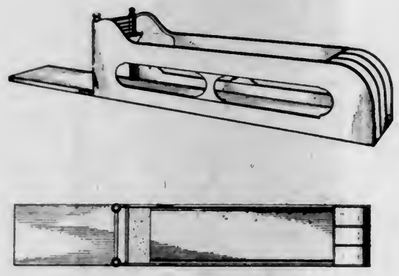
The ornamental design for a game board, substantially as shown and described.

127,695
DESIGN FOR A STAIR TREAD
Thomas J. Lewis, Ridgefield Park, N. J., assignor to Borden Metal Products Company, Elizabeth, N. J., a corporation of New Jersey
Application January 10, 1941, Serial No. 97,966
Term of patent 7 years



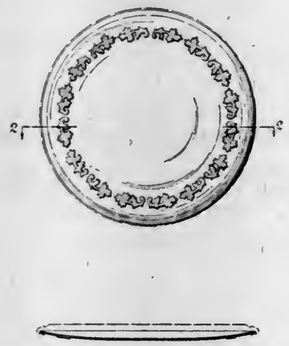
The ornamental design for a stair tread, as shown and described.

127,696
DESIGN FOR A BOWLING ALLEY OR SIMILAR ARTICLE
Patsy Marchitelli, Arlington, Mass., assignor to Maurice Kushner, Brookline, Mass.
Application April 1, 1941, Serial No. 100,073
Term of patent 7 years



The ornamental design for a bowling alley or similar article, substantially as shown.

127,697
DESIGN FOR A HEAD FOR A HAND MIRROR OR SIMILAR ARTICLE
Leo Marder, Brooklyn, N. Y.
Application October 10, 1940, Serial No. 95,742
Term of patent 3½ years



The ornamental design for a head for a hand mirror or similar article, substantially as shown and described.

127,698
DESIGN FOR A GAME BOARD
Theodore Nitza and Edward W. Karl, Painesville, Ohio
Application February 15, 1941, Serial No. 99,027
Term of patent 3½ years



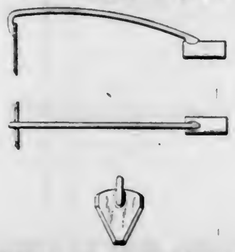
The ornamental design for a game board, as shown and described.

127,699
DESIGN FOR A BREASTPIN OR THE LIKE
Elizabeth Parks, Los Angeles, Calif.
Application August 27, 1940, Serial No. 94,643
Term of patent 3½ years



The ornamental design for a breastpin or the like, as shown.

127,700
DESIGN FOR A HOE HEAD OR SIMILAR ARTICLE
William Paschke, Faribault, Minn.
Application January 30, 1941, Serial No. 98,559
Term of patent 7 years



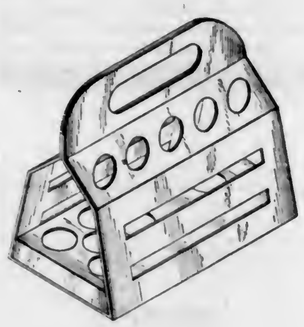
The ornamental design for a hoe head or similar article, as shown.

127,701
DESIGN FOR A COMMEMORATIVE EMBLEM
James M. Reardon, Minneapolis, Minn.
Application January 23, 1941, Serial No. 98,309
Term of patent 3½ years



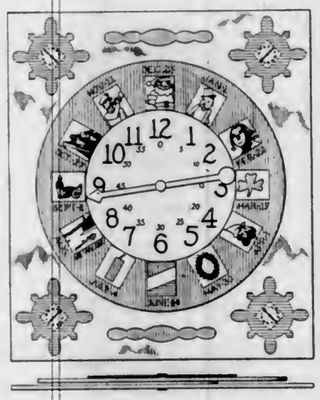
The ornamental design for a commemorative emblem, substantially as shown.

127,702
DESIGN FOR A TENPIN HOLDER OR SIMILAR ARTICLE
Michael Weiss, Brooklyn, N. Y., assignor to Transogram Company Inc., New York, N. Y., a corporation of Pennsylvania
Application March 19, 1941, Serial No. 99,716
Term of patent 7 years



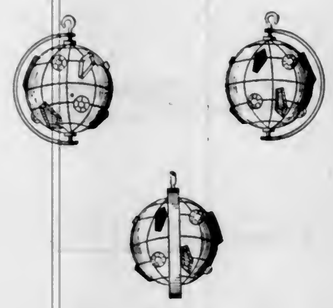
The ornamental design for a tenpin holder or similar article, substantially as shown and described.

127,703
DESIGN FOR A GAME BOARD
Charles L. Winchell, Hinsdale, Mass.
Application March 7, 1941, Serial No. 99,418
Term of patent 14 years



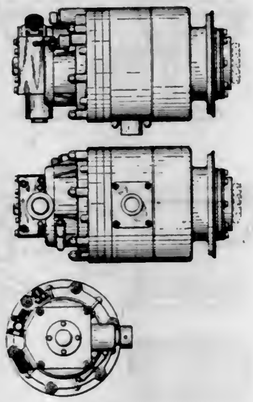
The ornamental design for a game board, as shown and described.

127,704
DESIGN FOR A CHARM OR SIMILAR ARTICLE
Sandor Goldberger, New York, N. Y.
Application February 8, 1941, Serial No. 98,837
Term of patent 3½ years



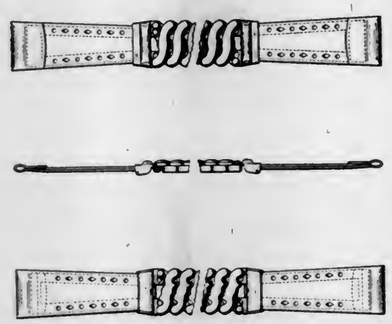
The ornamental design for a charm or similar article, as shown.

127,705
DESIGN FOR AN INERTIA STARTER FOR AIRPLANE ENGINES
Ralph M. Heintz, Palo Alto, Calif., assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio, a corporation of Ohio
Application October 25, 1940, Serial No. 96,068
Term of patent 14 years



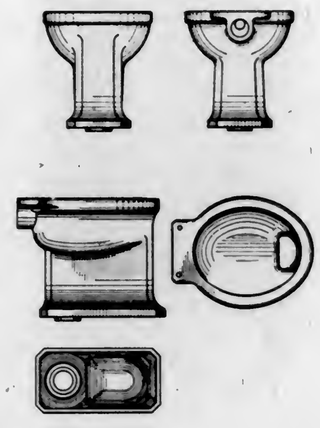
The ornamental design for an inertia starter for airplane engines, as shown and described.

127,706
DESIGN FOR A WATCH BRACELET OR THE LIKE
Charles H. Kestenman, Providence, R. I., assignor to Kestenman Bros. Mfg. Co., Providence, R. I., a corporation of Rhode Island
Application December 22, 1939, Serial No. 89,087
Term of patent 7 years



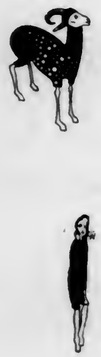
The ornamental design for a watch bracelet or the like, as shown and described.

127,707
DESIGN FOR A WATER CLOSET BOWL
Antoni J. Lyczak, Kokomo, Ind., assignor to Kokomo Sanitary Pottery Corporation, Kokomo, Ind., a corporation
Application September 23, 1940, Serial No. 95,297
Term of patent 3½ years



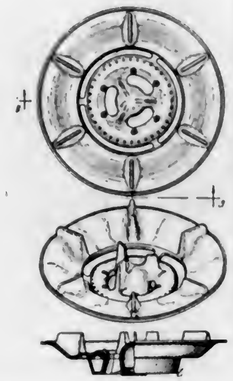
The ornamental design for a water closet bowl, substantially as shown.

127,708
DESIGN FOR A BROOCH
Frederic Mosell, New York, N. Y.
Application January 21, 1941, Serial No. 98,224
Term of patent 3½ years



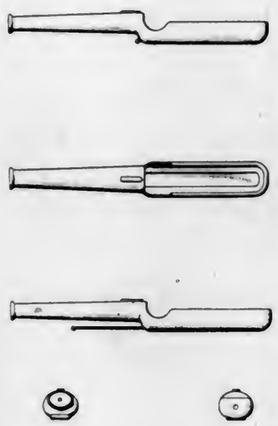
The ornamental design for a brooch, as shown.

127,709
DESIGN FOR A COMBINED BURNER, BOWL, AND UTENSIL SUPPORT FOR STOVES
William T. Bradbury, Millersport, and Herman F. Lieber, Newark, Ohio, assignors to Newark Stove Company, Newark, Ohio, a corporation of Ohio
Application March 31, 1941, Serial No. 100,041
Term of patent 7 years



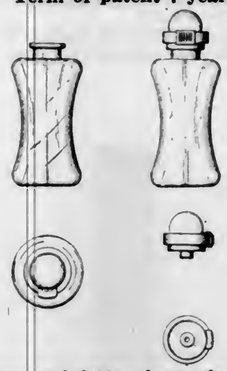
The ornamental design for a combined burner, bowl, and utensil support for stoves, substantially as shown.

127,710
DESIGN FOR A CIGARETTE HOLDER
Clement Deitch, Port Angeles, Wash.
Application March 28, 1941, Serial No. 99,977
Term of patent 7 years



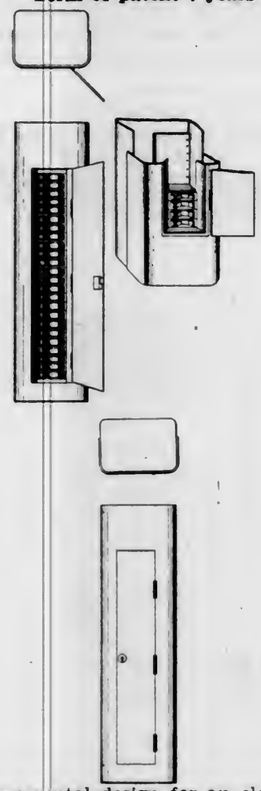
The ornamental design for a cigarette holder, as shown.

127,711
DESIGN FOR A GLASS BOTTLE
Madeline C. Foley, Auburn, N. Y.
Application December 10, 1940, Serial No. 97,233
Term of patent 7 years



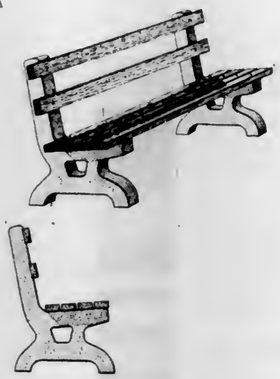
The ornamental design for a glass bottle, substantially as shown.

127,712
DESIGN FOR AN ELECTRICAL CONTROL PANELBOARD UNIT
William H. Frank, Detroit, Mich.
Application December 7, 1940, Serial No. 97,156
Term of patent 7 years



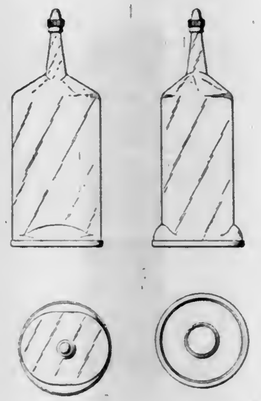
The ornamental design for an electrical control panelboard unit, substantially as shown.

127,713
DESIGN FOR A BENCH
Leo G. Haase, Hollywood, Calif.
Application February 2, 1940, Serial No. 89,953
Term of patent 14 years



The ornamental design for a bench, substantially as shown.

127,714
DESIGN FOR A BOTTLE OR SIMILAR CONTAINER
Clarence L. Hansen, San Francisco, Calif., assignor to Tri-Pak Gun Kit, Inc., San Francisco, Calif., a corporation of California
Application October 23, 1940, Serial No. 96,013
Term of patent 14 years



The ornamental design for a bottle or similar container, as shown.

127,715
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Carl Haslam, New York, N. Y., assignor to Phoenix Textile Printing Corp., New York, N. Y., a corporation of New York
Application April 9, 1941, Serial No. 100,265
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, substantially as shown.

127,716
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Carl Haslam, New York, N. Y., assignor to Phoenix Textile Printing Corp., New York, N. Y., a corporation of New York
Application April 9, 1941, Serial No. 100,266
Term of patent 3½ years



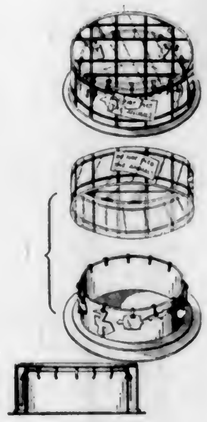
The ornamental design for a textile fabric or similar article, substantially as shown.

127,717
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Carl Haslam, New York, N. Y., assignor to Phoenix Textile Printing Corp., New York, N. Y., a corporation of New York
Application April 9, 1941, Serial No. 100,267
Term of patent 3½ years



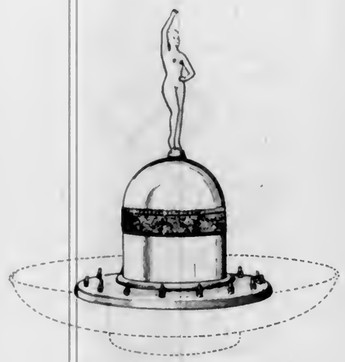
The ornamental design for a textile fabric or similar article, substantially as shown.

127,718
DESIGN FOR A COMBINED FIGURE DISPLAY AND CONTAINER
George L. Rosenfeld, Cleveland, Ohio
Application August 22, 1940, Serial No. 94,550
Term of patent 3½ years



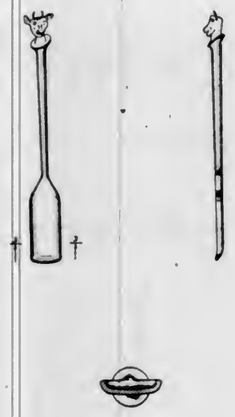
The ornamental design for a combined figure display and container, substantially as shown.

127,719
DESIGN FOR A FOUNTAIN
Gabriel B. Spiegel, Chicago, Ill.
Application February 15, 1940, Serial No. 90,275
Term of patent 7 years



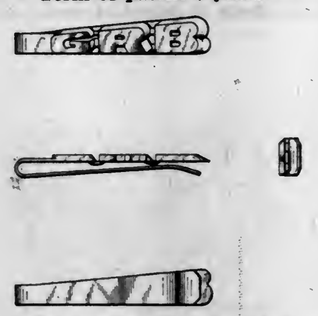
The ornamental design for a fountain, as shown and described.

127,720
DESIGN FOR A SPOON
Will A. Foster, Scarsdale, N. Y., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey
Application March 20, 1941, Serial No. 99,742
Term of patent 14 years



The ornamental design for a spoon, as shown.

127,721
DESIGN FOR A NECKTIE CLASP
Abraham Gold, New York, N. Y.
Application April 4, 1941, Serial No. 100,128
Term of patent 7 years



The ornamental design for a necktie clasp, as shown and described.

127,722
DESIGN FOR A BUCKLE OR SIMILAR ARTICLE
Fred Gray, New York, N. Y.
Application April 8, 1941, Serial No. 100,225
Term of patent 3½ years



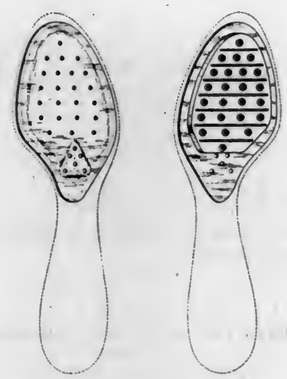
The ornamental design for a buckle or similar article, as shown.

127,723
DESIGN FOR A SHOE
Evelyn Z. Lipari, New York, N. Y.
Application April 19, 1941, Serial No. 100,505
Term of patent 3½ years



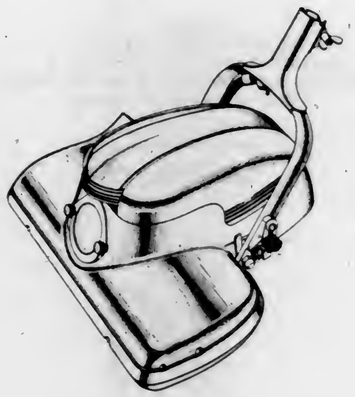
The ornamental design for a shoe, as shown.

127,724
DESIGN FOR A RESILIENT INSERT FOR SHOES
Meyer Margolin, Elgin, Ill.
Application April 24, 1940, Serial No. 91,895
Term of patent 14 years



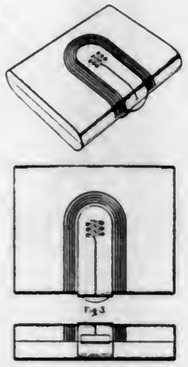
The ornamental design for a resilient insert for shoes, substantially as shown and described.

127,725
DESIGN FOR A VACUUM CLEANER CASING
William B. Petzold, Pittsfield, Mass., assignor to Electric Vacuum Cleaner Co. Inc., a corporation of New York
Application March 21, 1941, Serial No. 99,758
Term of patent 14 years



The ornamental design for a vacuum cleaner casing, as shown.

127,726
DESIGN FOR A DESK CALENDAR CASE OR SIMILAR ARTICLE
William B. Petzold, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application April 24, 1941, Serial No. 100,603
Term of patent 14 years



The ornamental design for a desk calendar case or similar article, as shown.

127,727
DESIGN FOR A COMBINED BOTTLE OPENER AND KEY RING
Myron H. Pietrzyk, San Francisco, Calif.
Application March 10, 1941, Serial No. 99,484
Term of patent 14 years



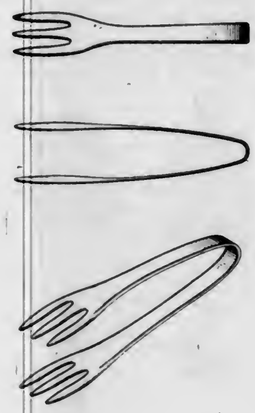
The ornamental design for a combined bottle opener and key ring, as shown.

127,728
DESIGN FOR A COMBINATION SALAD FORK AND SPOON
Joseph L. Tonelli, Los Angeles, Calif., assignor of one-half to Michael E. Neish, San Leandro, Calif.
Application October 24, 1940, Serial No. 96,056
Term of patent 14 years



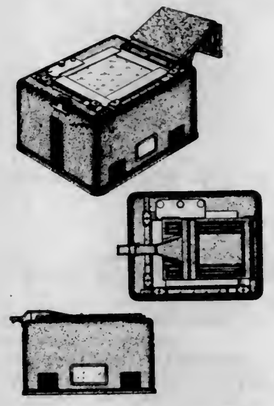
The ornamental design for a combination salad fork and spoon, substantially as shown.

127,729
DESIGN FOR A COMBINATION DOUBLE SALAD FORK
Joseph L. Tonelli, Los Angeles, Calif., assignor of one-half to Michael E. Neish, San Leandro, Calif.
Application October 24, 1940, Serial No. 96,057
Term of patent 14 years



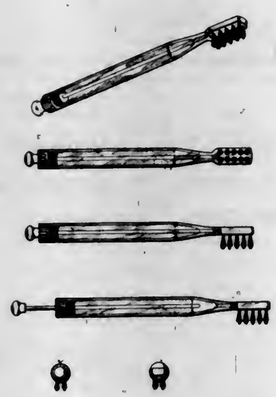
The ornamental design for a combination double salad fork, substantially as shown.

127,730
DESIGN FOR A PHOTOGRAPHIC PRINTING APPARATUS
Fordyce E. Tuttle and Joseph Stoiber, Rochester, N. Y.
Application November 28, 1940, Serial No. 96,902
Term of patent 14 years



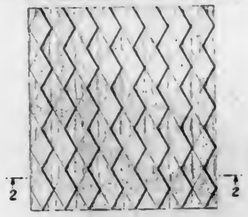
The ornamental design for a photographic printing apparatus, as shown and described.

127,731
DESIGN FOR A FOUNTAIN TOOTHBRUSH
Hyman W. Bergman, Kansas City, Mo., assignor of one-fourth to Theodore A. Landy and one-fourth to Norman Yarmo, both of Kansas City, Mo.
Application October 21, 1940, Serial No. 95,962
Term of patent 14 years



The ornamental design for a fountain toothbrush, as shown.

127,732
DESIGN FOR FLOCKED LEATHER
Joseph L. Burke, Lynn, Mass., assignor to A. C. Lawrence Leather Company, Peabody, Mass., a corporation of Maine
Application April 18, 1941, Serial No. 100,484
Term of patent 7 years



The ornamental design for flocked leather, as shown.

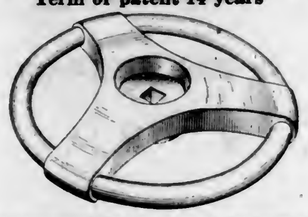
127,733
DESIGN FOR A HAT
Joseph Cohn, New York, N. Y.
Application January 14, 1941, Serial No. 98,033
Term of patent 7 years





The ornamental design for a hat, substantially as shown.

127,734
DESIGN FOR A HANDWHEEL
Henry Dreyfuss, New York, N. Y., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application April 7, 1941, Serial No. 100,182
Term of patent 14 years



The ornamental design for a handwheel, substantially as shown.

127,735
DESIGN FOR A HANDWHEEL
Henry Dreyfuss, New York, N. Y., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application April 7, 1941, Serial No. 100,183
Term of patent 14 years



The ornamental design for a handwheel, substantially as shown and described.

127,736
DESIGN FOR A HANDWHEEL
Henry Dreyfuss, New York, N. Y., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application April 7, 1941, Serial No. 100,184
Term of patent 14 years



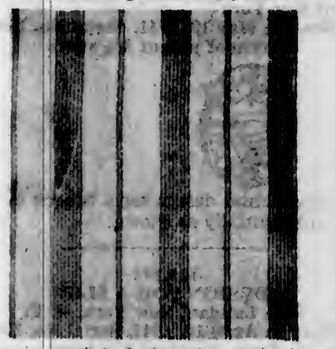
The ornamental design for a handwheel, substantially as shown.

127,737
DESIGN FOR A PERFUME CONTAINER OR THE LIKE
Charles H. Foster, New York, N. Y., assignor to Babs Creations, Inc., New York, N. Y., a corporation of New York
Application March 20, 1941, Serial No. 99,743
Term of patent 7 years



The ornamental design for a perfume container or the like, substantially as shown and described.

127,738
DESIGN FOR A TEXTILE FABRIC
Richard Hoellerich, New York, N. Y.
Application May 6, 1941, Serial No. 100,800
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

127,739
DESIGN FOR A TRACTOR CAB
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation of California
Application July 29, 1940, Serial No. 93,998
Term of patent 14 years



The ornamental design for a tractor cab, as shown and described.

127,740
DESIGN FOR A SCARF HOLDER OR SIMILAR ARTICLE
Guy H. Montmartin, New York, N. Y.
Application April 16, 1941, Serial No. 100,400
Term of patent 3½ years



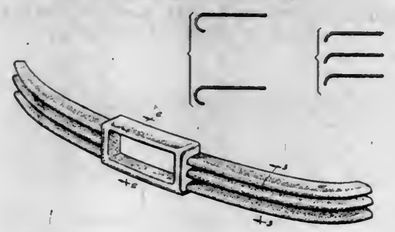
The ornamental design for a scarf holder or similar article, as shown.

127,741
DESIGN FOR A FAGOTED TRIMMING
Victor L. Sussberg, New Rochelle, N. Y., assignor to Radelle Lingerie Corp., Long Island City, N. Y., a corporation of New York
Application March 26, 1941, Serial No. 99,910
Term of patent 7 years



The ornamental design for a fagoted trimming, as shown.

127,742
DESIGN FOR AN AUTOMOBILE BUMPER OR SIMILAR ARTICLE
George W. Walker, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application September 23, 1940, Serial No. 95,279
Term of patent 7 years



The ornamental design for an automobile bumper or similar article, as shown.

127,743
DESIGN FOR A PIN OR SIMILAR ARTICLE
Einar L. Christensen, Los Angeles, Calif., assignor of thirty-five per cent to Adolph Boehm and twenty-five per cent to Austin Sherman, both of Los Angeles, Calif.
Application March 25, 1941, Serial No. 99,869
Term of patent 7 years



The ornamental design for a pin or similar article, as shown and described.

127,744
DESIGN FOR A STATUETTE
Frances Ferrer, Dongan Hills, N. Y., assignor to John Melville, New York, N. Y.
Application February 10, 1941, Serial No. 98,862
Term of patent 3½ years



The ornamental design for a statuette, substantially as shown.

127,745
DESIGN FOR WELTING
Solomon Graff, New York, N. Y.
Application March 6, 1941, Serial No. 99,374
Term of patent 14 years





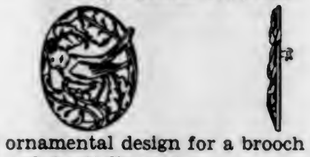
The ornamental design for welting, as shown.

127,746
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y., a corporation of New York
Application May 12, 1941, Serial No. 100,899
Term of patent 3½ years



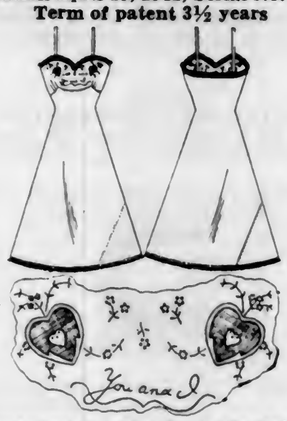
The ornamental design for a brooch or similar article, substantially as shown.

127,747
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N. Y., a corporation of New York
Application May 12, 1941, Serial No. 100,900
Term of patent 3½ years



The ornamental design for a brooch or similar article, substantially as shown.

127,748
DESIGN FOR A SLIP
Sam Landau, New York, N. Y.
Application April 19, 1941, Serial No. 100,508
Term of patent 3½ years



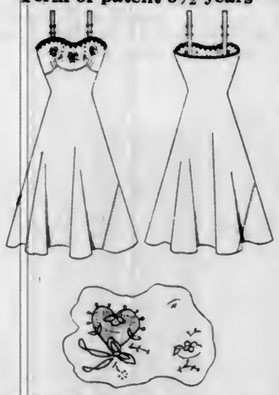
The ornamental design for a slip, substantially as shown and described.

127,749
DESIGN FOR A SLIP
Sam Landau, New York, N. Y.
Application April 19, 1941, Serial No. 100,509
Term of patent 3½ years



The ornamental design for a slip, substantially as shown, and described.

127,750
DESIGN FOR A SLIP
Sam Landau, New York, N. Y.
Application May 5, 1941, Serial No. 100,773
Term of patent 3½ years



The ornamental design for a slip, substantially as shown and described.

127,751
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Jean M. Langenieux, Mount Vernon, N. Y.
Application May 21, 1941, Serial No. 101,037
Term of patent 3½ years



The ornamental design for a textile fabric or similar article, as shown.

127,752
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Jean M. Langenieux, Mount Vernon, N. Y.
Application May 21, 1941, Serial No. 101,038
Term of patent 3½ years



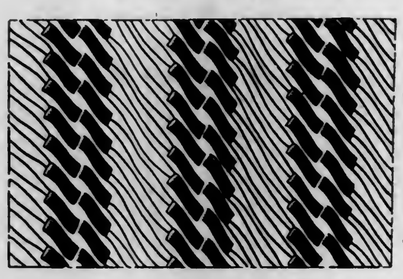
The ornamental design for a textile fabric or similar article, as shown.

127,753
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Jean M. Langenieux, Mount Vernon, N. Y.
Application May 21, 1941, Serial No. 101,039
Term of patent 3½ years



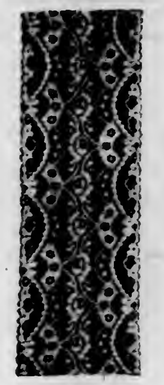
The ornamental design for a textile fabric or similar article, as shown.

127,754
DESIGN FOR A TEXTILE FABRIC
Josephine Masci, New York, N. Y.
Application May 15, 1941, Serial No. 100,941
Term of patent 3½ years



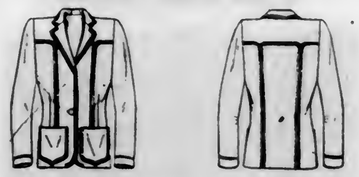
The ornamental design for a textile fabric, substantially as shown.

127,755
DESIGN FOR A LACE
Isaac Zendman, New York, N. Y.
Application May 13, 1941, Serial No. 100,923
Term of patent 3½ years



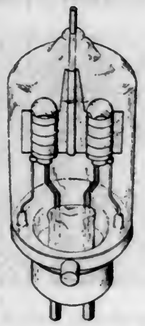
The ornamental design for a lace, substantially as shown.

127,756
DESIGN FOR A JACKET
Bonnie Cashin, New York, N. Y.
Application March 31, 1941, Serial No. 100,021
Term of patent 3½ years



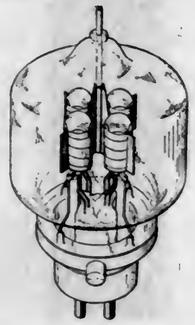
The ornamental design for a jacket, substantially as shown.

127,757
DESIGN FOR A VACUUM TUBE
William W. Eitel and Jack A. McCullough, San Bruno, Calif.
Application February 14, 1941, Serial No. 99,010
Term of patent 14 years



The ornamental design for a vacuum tube, substantially as shown and described.

127,758
DESIGN FOR A VACUUM TUBE
William W. Eitel and Jack A. McCullough, San Bruno, Calif.
Application February 14, 1941, Serial No. 99,011
Term of patent 14 years



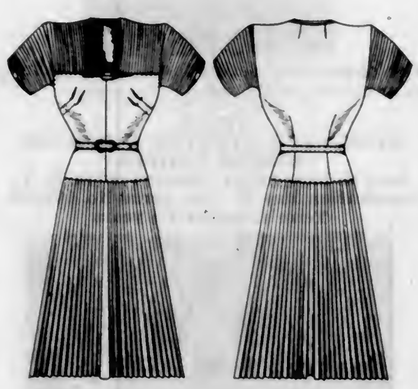
The ornamental design for a vacuum tube, substantially as shown and described.

127,759
DESIGN FOR A DRESS
Jay Morgan Fauth, New York, N. Y.
Application April 19, 1941, Serial No. 100,504
Term of patent 3½ years



The ornamental design for a dress, as shown and described.

127,760
DESIGN FOR A DRESS
Sylvia Franklin, New York, N. Y.
Application May 22, 1941, Serial No. 101,100
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,761
DESIGN FOR A LACE TRIMMING OR SIMILAR ARTICLE
Otto Hallbauer, West Englewood, N. J., assignor to Stein-Tobler Co. Inc., Union City, N. J., a corporation of New Jersey
Application April 28, 1941, Serial No. 100,656
Term of patent 3½ years



The ornamental design for a lace trimming or similar article, substantially as shown.

127,762
DESIGN FOR AN EMBROIDERED LACE TRIMMING OR SIMILAR ARTICLE
Otto Hallbauer, West Englewood, N. J., assignor to Stein-Tobler Co. Inc., Union City, N. J., a corporation of New Jersey
Application May 8, 1941, Serial No. 100,842
Term of patent 3½ years



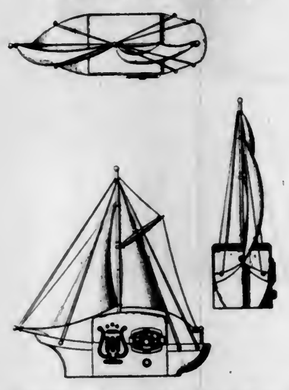
The ornamental design for an embroidered lace trimming or similar article, substantially as shown.

127,763
DESIGN FOR A DRESS
Aline Henry, New York, N. Y.
Application May 23, 1941, Serial No. 101,101
Term of patent 3½ years



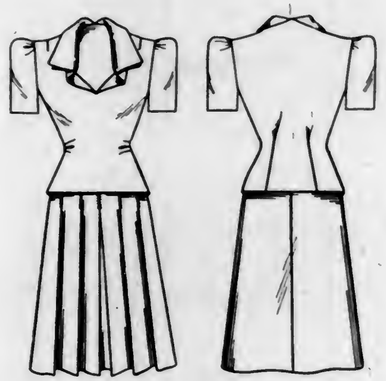
The ornamental design for a dress, substantially as shown.

127,764
DESIGN FOR A RADIO OR SIMILAR ARTICLE
Kate Lerman, Chicago, Ill.
Application March 26, 1941, Serial No. 99,898
Term of patent 7 years



The ornamental design for a radio or similar article, substantially as shown and described.

127,765
DESIGN FOR A DRESS
Claire McCardell, New York, N. Y.
Application May 17, 1941, Serial No. 100,995
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,766
DESIGN FOR A DRESS
Margaret Michelson, New York, N. Y.
Application May 23, 1941, Serial No. 101,102
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,767
DESIGN FOR A DRESS
Bruno Staehle, New York, N. Y.
Application May 21, 1941, Serial No. 101,040
Term of patent 3½ years



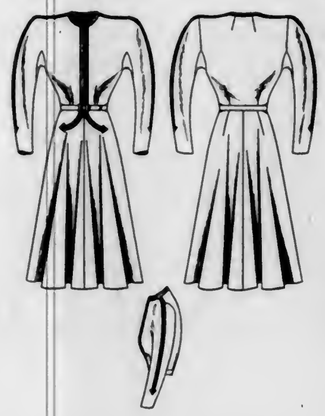
The ornamental design for a dress, substantially as shown.

127,768
DESIGN FOR A COAT
Bruno Staehle, New York, N. Y.
Application May 21, 1941, Serial No. 101,041
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

127,769
DESIGN FOR A DRESS
Bruno Staehle, New York, N. Y.
Application May 21, 1941, Serial No. 101,042
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,770
DESIGN FOR A DRESS
Bruno Staehle, New York, N. Y.
Application May 21, 1941, Serial No. 101,043
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,771
DESIGN FOR A DRESS
Bruno Staehle, New York, N. Y.
Application May 21, 1941, Serial No. 101,045
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,772
DESIGN FOR A COAT
Morris Weinstein, New York, N. Y.
Application May 20, 1941, Serial No. 101,019
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

127,773
DESIGN FOR A COAT
Morris Weinstein, New York, N. Y.
Application May 20, 1941, Serial No. 101,020
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

127,774
DESIGN FOR A COAT
Morris Weinstein, New York, N. Y.
Application May 20, 1941, Serial No. 101,021
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

127,775
DESIGN FOR A COAT
Morris Weinstein, New York, N. Y.
Application May 20, 1941, Serial No. 101,022
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

127,776
DESIGN FOR A SHOE SOLE OR SIMILAR ARTICLE
Hardy Forrest Barber, New York, N. Y.
Application April 5, 1941, Serial No. 100,170
Term of patent 14 years



The ornamental design for a shoe sole or similar article, substantially as shown and described.

127,777
DESIGN FOR A DRESS
Bonnie Cashin, New York, N. Y.
Application March 31, 1941, Serial No. 100,023
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,778
DESIGN FOR AN APRON
Ruth Nan Moore, Washington, D. C.
Application June 26, 1940, Serial No. 93,257
Term of patent 7 years

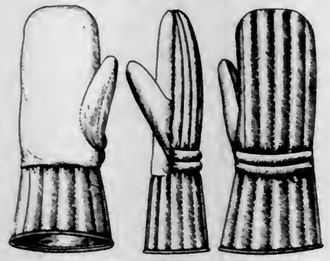
The ornamental design for an apron, as shown.

127,779
DESIGN FOR A TIE HOLDER
William J. Morse, Attleboro, Mass., assignor to Morse Andrews Co., Attleboro, Mass., a corporation of Massachusetts
Application April 10, 1941, Serial No. 100,288
Term of patent 3½ years



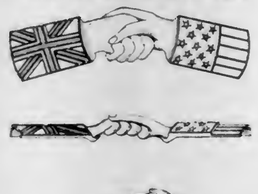
The ornamental design for a tie holder, substantially as shown and described.

127,780
DESIGN FOR A MITTEN
Newton J. Rice, Fairhaven, N. J., assignor to Wimelbacher & Rice, New York, N. Y., a firm
Application April 10, 1941, Serial No. 100,297
Term of patent 14 years



The ornamental design for a mitten, substantially as shown.

127,781
DESIGN FOR A JEWELRY FINDING FOR PINS OR OTHER SIMILAR ARTICLES OF JEWELRY
Sidney N. Stone, Cedarhurst, N. Y.
Application March 29, 1941, Serial No. 99,991
Term of patent 3½ years



The ornamental design for a jewelry finding for pins or other similar articles of jewelry, as shown.

Patents Nos. 2,245,551 to 2,246,488

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

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CONTENTS

	Page
Issue of June 17, 1941	557
Trade-Mark Registrations Canceled	557
Notice of Cancellation	557
Interference Notice	557
Applications Under Examination	558
Decisions of the U. S. Courts—	
In re Moeller	559
In re Waldron	561
In re Schwarz	562
Patent Suits	565
Adjudicated Patents	566
Trade-Marks Published (122 Applications)	567
Trade-Mark Registrations Granted	582
Trade-Mark Registrations Renewed	590
Reissues	591
Patents Granted	595
Designs	817

June 17, 1941

Trade-Marks	184	No. 388,178 to No. 388,361, inclusive.
T. M. Renewals	21	
Reissues	11	No. 21,826 to No. 21,836, inclusive.
Patents	938	No. 2,245,551 to No. 2,246,488, inclusive.
Designs	98	No. 127,782 to No. 127,879, inclusive.
Total	1,252	

Trade-Mark Registrations Canceled

155,994. Canned vegetables, soups, oysters, and beans. The W. H. Killian Co., Baltimore, Md. Registered June 13, 1922. Canceled April 25, 1941.

197,606. Whiskey. Anthony R. Fiorita, doing business as Old Yellow Label Dist. Co., Moberly, Mo. Registered April 21, 1925. Canceled April 25, 1941.

205,875. Diamond rings. Wexler Brothers, Chicago, Ill. Registered November 17, 1925. Canceled May 9, 1941.

243,947. Certain named jewelry. Isaac Garson, New York, N. Y. Registered July 3, 1928. Canceled May 9, 1941.

255,053. Food-flavoring extracts. White House Company, Inc., Detroit, Mich. Registered April 9, 1929. Canceled May 9, 1941.

320,838. Certain named articles of clothing. The Weinstein Co., Inc., San Francisco, Calif. Registered January 8, 1935. Canceled May 9, 1941.

365,271. Perfumes. Raymond E. Harris, doing business as Victor Cotet, Los Angeles, Calif. Registered February 28, 1939. Canceled May 9, 1941.

368,622. Certain named clothing for women, misses, and children. S. Augstein & Co., College Point, N. Y. Registered June 27, 1939. Canceled May 29, 1941.

370,373. Certain named women's and misses' clothing. G. Fox & Co., Inc., Hartford, Conn. Registered August 22, 1939. Canceled April 25, 1941.

373,911. Canned fish and canned crab. R. F. Warner, New York, N. Y. Registered December 26, 1939. Canceled April 25, 1941.

378,676. Absorbent tissue paper. Joel Hartman, doing business as Woodland Paper Products, New York, N. Y. Registered June 11, 1940. Canceled April 21, 1941.

383,686. Men's sport clothes. Carson Pirie Scott & Company, Chicago, Ill. Registered December 17, 1940. Canceled May 9, 1941.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., May 23, 1941.*

Hoge Edmundson Richardson, his assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by The A. S. Boyle Company, 527 Cornelison Ave., Jersey City, N. J., to effect the cancellation of trade-mark registration of Hoge Edmundson Richardson, doing business as Rite-Wa Cleaning Co., 1407 Chapin St., N. W., Washington, D. C., No. 215,251, dated July 13, 1926, and the notice of such proceeding sent by registered mail to the said Hoge Edmundson Richardson at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Hoge Edmundson Richardson, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Interference Notice

U. S. PATENT OFFICE, *Washington, D. C., May 17, 1941.*

John Percival Beeston, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Patent No. 2,182,463, granted December 5, 1939, to John Percival Beeston, Brock House, Langham St., London, W. 1, England, and the application for patent of Austin M. Wolf, 1338 Martine Ave., Plainfield, N. J., and a notice of such declaration sent by registered mail to said Beeston at the said address having been returned by the post office as undeliverable and counsel for Beeston having stated that he is unable to locate said Beeston, notice is hereby given that unless said Beeston, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business May 31, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 42,261; Trade-Mark Division, 1,361. Oldest new case, Sept. 6, 1940; oldest amended, Sept. 7, 1940.)
(The dates given are 1940 except where † indicates 1941)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action: New	Oldest new application awaiting office action: Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Dec. 30	Dec. 30	601
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	Dec. 9	Dec. 7	576
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	†Apr. 1	†Mar. 27	414
7083	4. DONNELLY, A. E., Conveyors; Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	†Feb. 13	†Feb. 20	538
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	†Feb. 3	†Feb. 14	426
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	Nov. 2	Nov. 19	1136
5725	7. JARBOE, C. G., Optics; Photography	Dec. 9	Dec. 6	958
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	Oct. 21	Oct. 23	880
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	†Jan. 11	†Jan. 11	635
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	†Jan. 14	†Jan. 29	417
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	†Feb. 4	†Feb. 1	417
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters; Stop Mechanism	Dec. 5	Dec. 6	548
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planting; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Nov. 13	Nov. 18	504
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	†Feb. 8	†Feb. 7	545
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	Dec. 5	Dec. 6	1057
5716	16. SPENCER, C. J., Telegraphy; Telephony	†Jan. 17	†Jan. 29	501
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Dec. 26	†Jan. 7	544
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Jan. 16	†Jan. 9	450
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	†Jan. 2	†Jan. 11	663
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Dec. 11	Dec. 23	431
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	†Feb. 21	†Feb. 20	304
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	Sept. 6	Sept. 7	1450
7624	23. BUTTNER, W. J., Registers (part)	Oct. 24	Oct. 2	262
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Nov. 13	Dec. 10	850
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	†Jan. 7	†Jan. 29	524
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	†Jan. 28	†Feb. 5	403
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	†Jan. 2	Dec. 16	622
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Element; Cylinders and Pistons	†Jan. 13	Nov. 29	385
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	Dec. 14	Dec. 26	691
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	†Feb. 4	†Feb. 6	531
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	Dec. 21	Dec. 21	1335
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	†Jan. 11	†Jan. 13	987
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	†Jan. 23	†Jan. 29	897
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	Nov. 16	Nov. 27	425
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	Dec. 11	Dec. 10	944
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	Dec. 6	Dec. 16	523
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Dec. 16	Dec. 7	541
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Sept. 19	Sept. 11	1173
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	†Jan. 31	†Jan. 31	580
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	Nov. 12	Nov. 12	1705
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	†Jan. 3	Dec. 28	435
5882	42. CUTTING, H. O., Electric Signaling	†Jan. 31	†Jan. 29	308
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	Nov. 16	Nov. 27	593
4087 B	44. HARVEY, L. P., Refrigeration	Dec. 3	Nov. 28	594
7093	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	†Feb. 19	†Mar. 31	341
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	†Jan. 11	†Jan. 11	626
6082	47. KANOF, W. J., Clutches; Brakes	†Jan. 21	†Jan. 13	339
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	†Jan. 23	†Jan. 23	485
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Dec. 13	Dec. 7	753
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber Coating Processes	Dec. 3	Dec. 3	1143
5628	51. BACKUS, C. D., Radiant Energy (part)	†Mar. 25	†Mar. 19	460
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits	†Feb. 3	†Mar. 1	619
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Nov. 27	Nov. 29	879
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	Nov. 30	Dec. 24	396
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	†Jan. 14	†Jan. 17	310
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	Nov. 7	Nov. 1	1188
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	Oct. 20	†Feb. 13	180
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Nov. 26	Nov. 13	564
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	Nov. 28	Nov. 28	1008
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Dec. 26	†Mar. 6	348
6724	61. YOUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	†Mar. 12	†Feb. 21	311
5621	62. PUGH, E. C., Games; Geometrical Instruments	†Mar. 25	†Mar. 21	449
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Nov. 26	Nov. 26	1028
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	†Feb. 26	†Mar. 5	562
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Apr. 3	†Feb. 14	290
2099 B	Trade Marks: F. A. RICHMOND	†Apr. 24	†Apr. 25	1361
2605	Designs: H. H. KALUPY	†Apr. 16	†Apr. 22	679

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE MOELLER

No. 4,422. Decided February 24, 1941

[117 F.(2d) 565]

1. PATENTABILITY—METHOD STEP IN ARTICLE CLAIM.

"To enable one to claim an article by describing the method of its manufacture, the article itself must be inventive and patentably distinct from such articles disclosed in the prior art."

2. SAME—SAME.

"We think the rule is well established that where one has produced an article in which invention rests over prior art articles, and where it is not possible to define the characteristics which make it inventive except by referring to the process by which the article is made, he is permitted to so claim his article, but is limited in his protection to articles produced by his method referred to in the claims."

3. SAME—MOLDED CEMENT PRODUCT.

Certain claims to a molded cement product *Held* unpatentable on the ground that the article itself is not shown to be inventive over the articles referred to in the prior art, and that the recitation in said claims of the method of production does not lend patentability to the claims.

APPEAL from Patent Office. Affirmed.

Mr. George W. Mills, Jr. (*Mr. Albert F. Robinson* of counsel) for Moeller.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

Appellant filed an application in the United States Patent Office relating to improvements in molded cement products and the method of an apparatus for manufacturing the same, which improvements particularly pertain to asbestos cement compositions.

The Primary Examiner, after allowing 17 claims, finally rejected claims 1, 7, 15 to 19, 21, 26, and 27. Upon appeal, the Board of Appeals affirmed the Examiner as to the rejection of claims 17, 18, 26, and 27, but reversed the Examiner as to claims 1, 7, 15, 16, 19, and 21. Thus, appellant's present application contains 23 allowed claims which relate either to the method of or apparatus for fabricating the molded cement product.

Appellant has here appealed from the decision of the Board, affirming that of the Examiner in rejecting said claims 17, 18, 26, and 27, which claims are directed to the article and read as follows:

17. A hydraulic cement sheet characterized by having been molded in a mold provided with an absorbent resilient sheet contiguous to the sheet during molding which permitted sufficient flow of the concrete to be substantially uniform in thickness and density.

18. A hydraulic cement sheet provided with corrugations characterized by having been molded in a mold provided with an absorbent resilient sheet contiguous to the sheet during molding which permitted sufficient flow of the concrete to be substantially uniform in thickness and density.

26. As an article of manufacture, a product prepared in accordance with the method of claim 2.

27. As an article of manufacture, a product prepared in accordance with the method of claim 3.

Claims 2 and 3, upon which claims 26 and 27 are based, read:

2. A method of fabricating hydraulic cement sheets comprising molding a sheet of hydraulic cement with an absorbent resilient sheet and a woven fabric interposed between the cement and the mold, said absorbent resilient sheet being between the woven fabric and the mold.

3. A method of fabricating hydraulic cement sheets comprising molding a sheet of hydraulic cement with a felt fabric and a woven fabric interposed between the cement and the mold, said woven fabric being in contact with the cement.

The invention is described in appellant's brief as follows:

The invention • • • relates particularly to molded products of hydraulic cement compositions, such as Portland cement and asbestos, which are first mixed in a homogeneous mass and then subjected to pressure and drying for being molded into sheets, blocks or the like. The sheets are ordinarily provided with corrugations in order to stiffen and rigidify them. Heretofore it has been the practice to place on opposite sides of the sheet to be pressed layers of woven fabric which are relatively thin and flexible. The fabric being relatively thin and flexible easily wrinkles and is not of sufficient thickness to be resilient for permitting flow of the material in the product being molded. The aim of the invention is to use an absorbent resilient sheet so that the pressure applied in the molding operation is equalized at all points of the material being molded, thereby causing all portions of the product to be uniform in thickness and density, and to be homogeneous in character.

It will be noticed that claim 17 calls for an absorbent resilient sheet, claim 18 calls for a sheet with corrugations, while claim 26 which is based upon claim 2 calls for an absorbent resilient sheet and a woven fabric interposed, etc., and claim 27, as based upon claim 3, calls for a felt fabric and a woven fabric interposed, etc.

The references relied upon by the Patent Office tribunals in rejecting the claims at bar are: Williams, 1,433,864, October 31, 1922; Ledeboer, 1,944,895, January 30, 1934.

The Examiner in rejecting the claims said:

Claims 17, 18, 26, and 27 are directed to a product which is structurally the same as disclosed by Williams or Ledeboer of record. These claims differ then from the prior art only by including process features. Therefore, claims 17, 18, 26, and 27 have been rejected as improper article claims since they define the article by the process of making it instead of by its physical and chemical characteristics. Applicant has contended that it cannot be defined by its physical and chemical characteristics. The Examiner does not agree with this contention.

The article is a molded asbestos-cement sheet or block. • • • Obviously it could be claimed by such characteristics as its ingredients, specific gravity, and also the physical shape of the final article. Accordingly these claims are not thought to come under the exception to the rule that product claims should not be claimed by the process of making it. • • •

The Board, in affirming the action of the Examiner in rejecting the appealed claims, said:

The rejection of claims 17, 18, 26, and 27 to the article is believed warranted inasmuch as these claims distinguish from Williams and Ledeboer primarily in method steps. We notice that Williams states he gets as a product "a corrugated sheet of fiber concrete material, possessing the requisite identity in curvature at the two sides, non-laminated, homogeneous in density, and of uniform internal structure throughout." We do not understand that appellant obtains a sheet having different characteristics especially as the patentee describes a ready flow of the material in all directions. We believe, therefore, that the claims to the article are properly rejected for reasons given here and more fully by the Examiner.

Appellant states that the claims at bar are in proper form and that the product defined therein

differs from prior art products in uniformity of thickness and density, and that the claims are not subject to the general rule that it is not proper to claim an article by reciting the process of its production, but that the exception to said rule applies, i. e., where one has invented a new and useful article which cannot be described in any other manner than by the process of making it, he may depart from said general rule. The foregoing exception to the rule was stated in *In re Brown*, 58 App. D. C. 285, 29 F.(2d) 873, 383 O. G. 558; *In re Butler*, 17 C. C. P. A. (Patents) 810, 37 F.(2d) 623, 394 O. G. 276; *In re Grupe*, 18 C. C. P. A. (Patents) 1262, 48 F.(2d) 936, 411 O. G. 271; *In re Merz*, 25 C. C. P. A. (Patents) 1314, 97 F.(2d) 599, 497 O. G. 547; *In re McKee*, 25 C. C. P. A. (Patents) 1000, 95 F.(2d) 264, 494 O. G. 719; and *In re Brown*, 22 C. C. P. A. (Patents) 1239, 77 F.(2d) 362, 460 O. G. 740.

In *In re McKee*, supra, we said:

> If it cannot be otherwise defined, and it is new and inventive, a product may be claimed by the process of producing it. *In re Grupe*, 18 C. C. P. A. (Patents) 1262, 48 F.(2d) 936.
> • • • • • • •
> It is our opinion that claim 4 is not subject to the objection that the product is not described other than by the process of producing it, for we do not think there is any other way of describing it.

As is pointed out by the Patent Office tribunals, Williams states that his product is a

> "corrugated sheet of fiber concrete material, possessing the requisite identity in curvature at the two sides, non-laminated, homogeneous in density, and of uniform internal structure throughout."

This describes the structure which appellant says he has produced.

We agree with the tribunals below that if there is any novel feature about the article itself, it is not seen why it cannot be expressed in terms of structure, such as quality, texture, specific gravity or other characteristics.

If appellant has here attempted to distinguish the characteristics of his article over those of the cited prior art article in Ledeboer, it rests in the difference in uniform thickness and density. Obviously, these structural characteristics could be defined without resorting to the method of making the article and it is not argued that if they were so defined the claim would be inventive over the prior art cited.

[1] To be an exception to the said rule hereinbefore quoted, so as to enable one to claim an article by describing the method of its manufacture, the article itself must be inventive and patentably distinct from such articles disclosed in the prior art. *In re Ewert*, 22 C. C. P. A. (Patents) 1262, 77 F.(2d) 498, 460 O. G. 737. Appellant has failed to convincingly show us that he has had a concept of a new article which has characteristics which distinguish it from prior art articles. The foundation for the exception to the said general rule is that the article itself must constitute an invention.

Appellant seems to argue, and cites certain cases which he asserts support said contention, that process steps recited in an article claim are not necessarily fatal to the validity of the claim. This, of course, is true, and the courts have held to that effect many times. Obviously, an element of an article claim relating to the process of making the article will not invalidate the claim if the remainder of the claim, eliminating the process reference, supports patentability. The District Court in *Bituminous Products Co. et al.* v. *Headley Good Roads Co.*, 2 F.(2d) 82, which was affirmed by the Circuit Court of Appeals for the Third Circuit, 14 F.(2d) 667, in addressing itself to a similar question, said:

> The embodiment of such a statement would, of course, neither create validity if it were lacking nor destroy it if it were otherwise present. It would only emphasize an alleged useful and novel result obtained by the employment of the methods specified in the claim. • • •

The same principle is announced in *In re Grupe*, supra.

The Examiner, in an office ruling, stated that this court's decision in *In re McKee*, supra, had been overruled by the Supreme Court's decision in *General Electric Co.* v. *Wabash Appliance Corp. et al.*, 304 U. S. 364. In his statement subsequent to appeal to the Board, he did not state that the last decision overruled the said McKee case, but quoted the following from the General Electric Co. case:

> • • • It may be doubted whether one who discovers or invents a product he knows to be new will ever find it impossible to describe some aspect of its novelty.

As we understand the said General Electric Company case, the situation there was somewhat different from the situation at bar or that which prevailed in the said McKee case. In the General Electric Company case, the claim containing functional statements purported to assert a monopoly in the filament no matter how it was made. As has been pointed out by appellant here, he does not by the involved claims seek to establish a monopoly on the article itself if made by processes other than that set out in the claim. The gist of the General Electric Company opinion, we think, is found in the following language:

> • • • Although in some instances a claim may validly describe a new product with some reference to the method of production, a patentee who does not distinguish his product from what is old except by reference, express or constructive, to the process by which he produced it, cannot secure a monopoly on the product *by whatever means produced.* • • • [Italics ours.]

As we see it, the last-quoted language in no sense questions the correctness of our holding in the McKee case, supra, or the rule and its exception stated therein, because it was not contended there, as it is not contended here, that the controverted claim permitted a monopoly on the article "by whatever means produced." In the McKee case and here the suggested monopoly was claimed only for an article produced by the respective methods recited in the claims.

[2] We think the rule is well established that where one has produced an article in which invention rests over prior art articles, and where it is not possible to define the characteristics which make it inventive except by referring to the process by which the article is made, he is permitted to so claim his article, but is limited in his protection to articles produced by his method referred to in the claims.

[3] It follows that the Board of Appeals correctly affirmed the decision of the Examiner in holding that the article itself is not shown to be inventive over the articles referred to in the prior art, and that the recitation in said claims of the method of production does not lend patentability to the claims. The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE WALDRON

No. 4,411. Decided February 3, 1941

[117—F.(2d) 381]

1. CLAIMS—INTRODUCTORY PHRASE.
   The introductory phrase, "A rock splitting tool" *Held* not to amount to a limitation, in accordance with the general rule as to such phrases.
2. PATENTABILITY—ROCK BREAKING TOOL.
   "The record justifies the belief that appellant has produced a useful tool, but he has failed to convince us that the tribunals below erred in holding that such production did not constitute invention in view of the prior art cited."

APPEAL from Patent Office. Affirmed.

Messrs. Orton and Griswold (*Mr. Frederick Griswold, Jr.*, of counsel) for Waldron.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.*:

This appeal brings before us for review the decision of the Board of Appeals of the United States Patent Office affirming that of the Examiner rejecting all the claims of appellant's application for patent entitled "Rock Breaking Tool."

Involved in the decision below and in the appeal to us there were four claims for the tool per se, and four method claims. At the hearing before us counsel for appellant moved to dismiss the appeal as to all the method claims, that is claims numbered 4, 5, 6, and 8, which motion will be granted. The claims for the tool are numbered, respectively, 1, 2, 3, and 7.

Claims 1 and 2 read:

> 1. A rock splitting tool comprising a hexagonal shank, a collar on said shank and a frusto-conical head with the base of the frusto cone larger than the shank and the top of the frusto cone smaller than the shank, the surface of said frusto cone forming an angle of about four and one-half degrees with its axis.
> 2. A rock splitting tool comprising a shank, a collar on said shank and a conical head with the base of the cone attached to the shank, the surface of said cone forming an angle of about four and one-half degrees with its axis.

Claim 3 describes the head on the shaft as "tapering substantially in the ratio of two to three-fourths in an axial distance of seven and three-fourths," and claim 7 defines the head on the shank as "tapering at an angle to the axis thereof between two and one-half and four and one-half degrees."

For convenience, the drawing of the application is here reproduced.



The following references were cited by the Examiner and the Board: German patent, 276,758, July 21, 1914; German patent, 362,242, October 24, 1922; French patent, 588,393, January 30, 1925; French patent, 610,221, June 1, 1926.

The Examiner's rejection seems to have been based primarily upon the French patent, No. 588,393, issued January 30, 1925, but features of the other three references were described, the Examiner saying:

> Claims 1, 2, 3, and 7 are believed to be unpatentable over the French patent, 588,393, showing a wedging tool for breaking stone which is of the same type as the one shown by applicant. In Figure 4 of this patent there is shown a tool 10 having one end adapted to be received in the chuck of a jack hammer for receiving the impact blows of the hammer and a wedge portion 11 positioned at the other end. This wedge portion is not frusto-conical in shape however it is of a shape and of a taper sufficient to split rock. The German patent, 276,758, shows a wedge C which has a frusto-conical head adapted to wedge into the opening A for the purpose of splitting the rock *b*. The French patent, 610,221, shows a wedge 6 which is frusto-conical in shape and which is used for breaking down the material by a wedging action. The German patent, 362,242, shows a wedge *d*, Figure 1, which is adapted to be driven by the hammer *a* for driving it into the formation to split the material being worked. This wedge is of substantially the same proportions as applicant's wedge. In view of any of these patents, it is not believed that there would be any invention in making the wedge 11 of the French patent, 588,393, frusto-conical in shape. Applicant stresses the fact that the surface of the cone forms an angle of about 4½° with the longitudinal axis of the tool. First it is not believed that this angle is critical and second, it is believed that the tool shown by the German patent, 362,242, shows an angle which is substantially the same as the one recited in these claims. This German patent shows a portion *g* attached to the wedge *d* so as to form an initial opening in the material. These could be eliminated if only the wedge *d* were used. This wedge is also intended for use in hard coal, a use which is analogous to rock breaking.

The decision of the Board followed in a general way the order and reasoning of the Examiner.

It is conceded by appellant that

> "for centuries, even back as far as the building of the pyramids, building blocks were split off from a quarry wall by means of pins and feathers as shown, for instance, in the Larney United States patent [No. 1,266,282] • • • herein used only for illustrative purposes,"

and the brief states,

> "According to this [Larney] method, a multiplicity of closely positioned holes was drilled along a preselected line recognized by a stone cutter of great experience as the line of cleavage. This took time and required skilled labor. Appellant is not dealing with a situation of this kind."

The brief described the particular purpose for

which appellant's tool was designed, as being for the breaking or splitting by unskilled laborers of boulders encountered in making excavations such as trenches in public streets for the laying of gas and water mains in order to expedite the removal of such boulders from the trench line.

In the final analysis the gist of appellant's contention is that by study and experimentation he discovered that a tool having the particular degrees of taper defined in the claims was successful in the use for which designed while others having different degrees of taper were not. In other words, it is contended that the degree of taper is critical. It should be said that in the process of using the tool a hole is drilled in the boulder and the tool is driven into the hole by a hammer or other driving means not involved in the tool claims.

In support of his contention appellant, during the prosecution of the application in the Patent Office, filed an affidavit setting forth the results obtained by the use of his tool, illustrating same by a series of photographs and contrasting such results with the use of other tools made up by appellant having different degrees of taper.

It was conceded during the oral argument before us that no one of the tools used in those experiments was made in conformity with any of the wedges or devices illustrated in the drawings of the prior art references cited.

It seems to us from a comparison of the drawings that the illustrations outlined in the German patent, No. 362,242, and that shown in the French patent, No. 610,221, most nearly resemble the tool of appellant in appearance. These are described in the quotation from the Examiner's statement, supra. It will be noted that the Examiner states the wedge of the German patent "is of substantially the same proportions as applicant's wedge."

The Examiner further stated, "This wedge is also intended for use in hard coal, a use which is analogous to rock breaking." It may be said that the patent is entitled "Working Broach for Pneumatic Tools." The French patent, No. 610,221, is entitled "Improvements in Pneumatic Hammers." The drawing shows a part which is described in the specification as "the tool." It is conical in form, but it may be said that in none of the specifications of the references is there any description of the "degree of taper" such as characterizes appellant's specification and claims, and it would seem that this feature was not relied upon for patentability in those cases, so far as can be determined from the translations of the patents before us. The dimensional features of the tools mentioned in the patents seem to be determinable only from an inspection of the respective drawings.

In the course of its decision the Board said:

> Appellant argues that the dimensions of the head 6 were extremely critical and as a result of repeated tests he has discovered that where an element on the conical surface made an angle of between two and one-half and four and one-half degrees with the axis that the tool can be successfully used for breaking rock.
>
> In spite of appellant's position with respect to the Examiner's rejection, it is believed that he has merely discovered what he thinks is an optimum degree of taper for wedges for splitting rock and that there is nothing particularly critical. As the Examiner has stated, the process used by applicant in splitting rock has been known for generations in a general sense. It seems obvious that if the taper of a wedge is too short or that the wedge is too blunt to operate satisfactorily, that it is necessary to make it of a greater taper. It is believed that there is nothing critical about finding the proper angle on which such wedges must be built and that there is nothing patentable in applicant's structure over the devices in the art.

[1] Appellant has pointed out before us that the German patent, 362,242, and the French patent, 610,221, are not designed to break up rock but to work in material, such as coal, which is relatively soft as compared with rock, and in this connection appellant insists that the introductory phrase "A rock splitting tool," appearing in each of the tool claims constitutes a limitation which should be regarded. The general rule to which there are exceptions is that an introductory phrase does not amount to a limitation. See *Deutsch et al.* v. *Ball*, 22 C. C. P. A. (Patents) 1322, 77 F.(2d) 930, 461 O. G. 245 and cases therein cited. We are not convinced that the instant case presents any subject matter which would justify a departure from the general rule.

We appreciate the fact that the tools of the last named patents are broaches, or drills, which themselves perform the function of drilling holes in the materials worked upon while appellant first drills a hole in the rock and then drives his tool into the hole, but in the light of the other art cited, where holes are first drilled for the reception of wedges, we are unable to discern any patentable difference.

With respect to the question of criticalness as applied to the degree of taper of the head, which has been strongly emphasized before us, it seems proper to say that appellant's specification does not teach criticalness in this respect. Upon the contrary, the concluding phrase of the specification reads:

> While the invention both as to the method and the tool have been described with particular reference to certain preferred embodiments, these are to be considered as illustrative of the invention and not in limitation thereof.

[2] The record justifies the belief that appellant has produced a useful tool, but he has failed to convince us that the tribunals below erred in holding that such production did not constitute invention in view of the prior art cited.

The appeal is dismissed as to claims 4, 5, 6, and 8, and the decision of the Board is affirmed as to claims 1, 2, 3, and 7.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE SCHWARZ

No. 4,432. Decided February 24, 1941

[117 F.(2d) 758]

1. APPEAL—COURT OF CUSTOMS AND PATENT APPEALS—JURISDICTION.
   Rule reaffirmed that the Court of Customs and Patent Appeals may not consider upon an appeal any ground of rejection not passed upon by the Board of Appeals.

2. PATENTABILITY—DEFICIENCY OF REFERENCE.
   Where the Board of Appeals has made no finding that one element of a certain claim is not disclosed in the application of S, and it is clear that a patent to M, upon which the claim was denied to S, does not disclose said element, and there is no contention by the Board that this element would be obvious to one skilled in the art, *Held* that the claim improperly was denied to S.

3. SAME—NOT TO BE MEASURED BY ALLOWED CLAIMS.
   The rule is well established that the patentability of a rejected claim may not be determined by comparing it with an allowed claim.

4. SAME—JUICE EXTRACTOR AND METHOD OF EXTRACTING JUICE.
   Certain claims for a juice extractor *Held* patentable, but certain other claims for a method of extracting juice *Held* unpatentable over the prior art.

APPEAL from Patent Office. Modified.

Mr. Charles M. Fryer (*Mr. Donald M. Wight* of counsel) for Schwarz.

Mr. W. W. Cochran (*Mr. Howard S. Miller* of counsel) for the Commissioner of Patents.

LENROOT, *J.*:

This appeal brings before us for review a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting, for lack of patentability over the cited prior art, claims 54, 59, 60, 66, and 67 of appellant's application for a patent. Twenty-five claims were allowed by the Examiner, and the Board reversed the Examiner's rejection of five additional claims, so that thirty claims stand allowed.

Claims 54, 59, and 66 are illustrative and read as follows:

> 54. A juice extractor comprising: means to comminute juice-bearing material, means to compress the resulting comminuted material, and means to coordinate said compressing means with said comminuting means to compress said material both while and after being subjected to said comminuting means.
>
> 59. The method of extracting juice from juice-bearing material, which comprises treating said material to successive comminuting steps and between comminuting steps removing sufficient juice from the comminuted mass to make remaining solids easily comminutable.
>
> 66. A centrifugal juice extractor comprising: a rotor; a stator about and spaced from said rotor; comminuting means comprising a part on said rotor and a part on said stator; means to move the comminuted material during rotation in a path away from said comminuting means substantially parallel to the axis of rotation; and means to adjust the pressure between said comminuting means and the material being comminuted thereby, comprising means to restrict such movement of the material to create pressure other than the pressure incident to centrifuging and comminuting.

The general subject matter of appellant's application is concisely described in the statement of the Examiner as follows:

> The subject matter of the rejected claims relates to a device for and a method of extracting juice from fruit. The device comprises a casing with a hopper at the upper end thereof. Within the casing and carried thereby are two or more stationary longitudinally spaced concentric cylindrical screens. Within the screens and mounted to rotate concentric therewith is a rotor. The rotor comprises spaced cylindrical portions corresponding to the number of screens. The cylindrical portions of the rotor have mounted thereon spaced ribs inclined on a gradual spiral. Between the cylindrical portion of the rotor is a conical skirt carrying shredding teeth which cooperate with a stationary grinding burr mounted between the spaced screens. The upper end of the rotor and casing also carries cooperating shredding elements in advance of the first screen. At the lower end of the last screen is mounted a band which cooperates with a removable bearing plate 19 on the lower extremity of the rotor to form a pulp throat. The size of the throat may be varied by using different sized bearing plates.

The references cited are: Leet, 548,166, October 15, 1895; Dostal, 1,343,439, June 15, 1920; Manning, 1,703,535, February 26, 1929.

While a patent to Steere was relied upon by the Examiner in the rejection of claim 54, the Board held that this was not a proper reference, and therefore it does not require consideration here. There was also another reference cited, a patent to Lindenberg, but this patent was not relied upon with respect to any of the claims before us.

The patent to Leet relates to a fruit press and discloses three groups of crushing rolls. Above the first group of rolls there is a hopper where the fruit is inserted. The juice extracted through the first crushing step passes through a screen positioned between the first and second group of rolls; the pulp then passes through the second group of rolls where more juice is extracted. This operation is repeated through the third group of rolls, by which time, the patent states, the juices will have been wholly extracted.

The patent to Manning is also for a juice extractor and states:

> The present invention contemplates the provision of an apparatus adapted for the continuous expelling of liquids from solids and the simultaneous treating of the expelled liquids. In this apparatus the fruit or other solids is introduced into a disintegrating hopper where it is reduced as desired. After being reduced the separated portions of the solids with contained or expressed liquid are passed into a compression chamber by means of a suitable feeding means or by gravity, where the liquid is almost completely expelled from the pulp solids and is forced through a wall of either stationary or moving treating solids into a filtrate receiver. The pulp solids are passed on through and out of the apparatus by a suitable device. The forcing of the expressed liquid through the wall of treating solids is accomplished by a differential in liquid pressure between the pulp and filtrate sides of the wall which may be due to either a sub-atmospheric pressure on the filtrate side or mechanical pressure on the pulp side or both.

The patent discloses discharge openings for the solids, the size of which openings may be regulated, so as to create a back pressure in the same manner as in appellant's device, although it is appellant's contention that the pressure created by the restriction in the discharge openings of Manning is not as extensive as the pressure created in appellant's device, and fails to perform one of the functions performed by appellant's discharge opening. This will be further discussed in our separate consideration of the claims.

The patent to Dostal relates to a fruit and vegetable pulping machine. The only reliance placed on this reference by the Patent Office tribunals is its disclosure of a crushing or comminuting mechanism with feeding of the material to be treated along the comminuting means in a path parallel to the axis of the rotor.

With respect to the rejection of claim 54 the Board of Appeals in its decision stated:

> Claim 54 has been rejected on Steere, but we believe improperly. We find, however, this claim does not distinguish from Manning. Evidently there is back pressure formed in the use of this Manning device and therefore compression on the material being treated.

In its decision upon a motion for reconsideration the Board further stated with respect to claim 54 as follows:

> Attention is called to the Manning patent and it is urged the back pressure created by adjustment of sleeve 28 would not extend to the cutters 9 and that may or

may not be true. Appellant, in his specification on pages 6 and 7, refers only to holding back the pulp to build up a pressure and allow it to be expelled under desired pressure and that is the purpose of adjustment of sleeve 28 in the patent. We see no particular advantage in producing a back pressure at the point of comminution of the material treated as recited in claim 54. * * *

It is appellant's contention that Manning does not disclose the last element of the claim providing for means of coordinating the first two elements of the claim.

It will be observed that the only reference relied upon by the Board for the rejection of this claim is the patent to Manning, the Board having disapproved its rejection upon the patent to Steere. Manning discloses no means to coordinate his compressing means with his comminuting means to compress his material while being subjected to his comminuting means. It will be further observed that in its decision upon the motion for reconsideration the Board stated that it saw no particular advantage in producing a back pressure at the point of comminution of the material treated.

We are in agreement with appellant's contention that pressure upon the material while being comminuted is important. This is recognized in the Manning patent, for it provides for a plate pressed downwardly against the fruit or vegetables by a spring to force them against the graters or crushers.

Appellant does not utilize a spring in his device, and it is his contention that the restricted size of the throat for the discharge of the pulp produces a back pressure extending to the comminuting means.

However, no such claim is made in appellant's specification. Upon this point the specification recites:

The pulp passes from the final stage 23 through a pulp throat 41 between the lower extremity of the rotor and a lower screen band 42. It then drops through the spider 17 to any suitable collector. The passage space of the pulp throat 41 is controlled by the size of the bearing plate 19 so as to hold the pulp back until the required percentage of juice has been extracted. If this pulp throat is relatively narrow, the pulp will be held back to build up a pressure behind the final screen for the extreme extraction of juice.

It will be observed that no mention is made of the pressure extending to the comminuting means, or that pressure is exerted upon the material while being comminuted.

[1] The Solicitor for the Patent Office states that, inasmuch as claim 54 was not an original claim, and there is nothing in the written description of the application disclosing the last element of claim 54, this claim might well have been rejected for want of disclosure in appellant's specification; but the Solicitor does not urge this ground of rejection inasmuch as it was not a ground of rejection by the Patent Office tribunals. Under the rule laid down in the case of *In re Tucker & Reeves*, 19 C. C. P. A. (Patents) 810, 54 F.(2d) 815, 410 O. G. 286, which we have since frequently affirmed, we may not consider upon this appeal any ground of rejection not passed upon by the Board of Appeals.

[2] Therefore we must assume, for the purposes of this case, that appellant's application does disclose all of the elements of claim 54, and it is clear to us that the Manning patent does not disclose the last element of this claim; and, there being no contention by the Board of Appeals that this element would be obvious to one skilled in the art, we must reverse the decision of the Board with reference to claim 54.

With respect to claims 59 and 60 the Board of Appeals in its decision stated:

Claims 59 and 60 are alleged to distinguish from Leet in reciting successive comminuting steps. While Leet shows crushing steps, we do not believe there is a material distinction between crushing and comminuting as broadly stated. We have observed in claim 60 the reference to comminuting material sufficiently to free juice by opening the juice cells, but insufficiently to obtain too much fine solids in the free juice. However, this does not appear to us to be a patentable distinction over the reference.

Appellant contends that these claims are distinguishable from the Leet patent in that Leet crushes his material, while the claims require that the material be comminuted, and that there is an important difference between comminuting fruit and crushing it.

As one of the definitions of "comminute" Funk & Wagnalls New Standard Dictionary gives the word "crush"; and the same authority gives as one of the definitions of the word "crush" the following: "To break into bits by pressure; comminute; * * *."

Of course it is clear that certain materials could be crushed without comminuting them, but it is equally clear that fruit put through Leet's device would not only be crushed but comminuted as well.

Appellant further contends that Leet shows drainage of the fruit juice by gravity only, and that such separation of juice from the solids would be incomplete and would not render the solids easily comminutable. He further contends that the only way to accomplish appellant's purpose is to remove the juice by force. If this were true, appellant should have introduced the element of force into the claims. The claims do not call for forcible removal of juice, but merely the removal of it. Leet removes by drainage, and we are not disposed to indulge in scientific speculation as to whether the juice is so held in crushed apples by capillary attraction that force is necessary to remove a large proportion of juice therefrom, as appellant contends.

We are of the opinion that claims 59 and 60 are not patentably distinguishable from the Leet reference.

We repeat that if forcible removal of the juice, as distinguished from drainage, is necessary to accomplish appellant's purpose, the claims should have so provided. Indeed many of the allowed claims do contain the element of a particular kind of force, viz., centrifugal force.

[3] With respect to claims 59 and 60 appellant contends that the allowance of claim 61 is evidence that these claims are patentable. The rule is well established that patentability of a claim may not be determined by comparing it with allowed claims. *In re McCabe*, 22 C. C. P. A. (Patents) 877, 74 F.(2d) 758, 455 O. G. 265. However, we would observe that allowed claim 61 has limitations not found in claims 59 and 60, and presumably claim 61 was allowed by reason of such limitations.

With regard to claims 66 and 67 the Board of Appeals in its decision stated:

Claims 66 and 67 stand rejected on Manning in view of Dostal. We note in this connection there is a general reference to centrifuging but no antecedent basis therefor in the body of the claims. We interpret the claims to call for comminuting means with feeding of the material to be treated in a path along the comminuting means parallel to the axis of rotation and means to adjust the pressure between the comminuting means and the material. As above explained, Manning discloses the last means recited and Dostal discloses comminuting means and feeding the material comminuted in a movement axially of the rotor. To combine these features, in our opinion, is lacking in patentable merit.

It will be observed that Manning was cited as disclosing that element of these claims reading:

"means to adjust the pressure between said comminuting means and the material being comminuted thereby."

We cannot find that Manning discloses this element. While his device provides for means to adjust the compression on the material being treated after comminution, it does not provide for any such adjustment between the comminuting means and the material being comminuted thereby.

Manning's comminuting means is above his compression screw, and it seems clear to us that any pressure due to the size of his pulp discharge throat would not be effective between the comminuting means and the material being comminuted thereby.

[4] For the reasons hereinbefore stated, the decision appealed from is affirmed with respect to claims 59 and 60, and is reversed with respect to claims 54, 66, and 67.

Modified.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,324,983, R. R. Rosenbaum, Process and apparatus for treating hydrocarbons; 1,456,419, J. C. Black, Process and apparatus for the production of low boiling point hydrocarbons; 1,734,079, W. M. Cross, Heater; 1,869,337, Howard & Loomis, Art of converting oil, D. C., W. D. Okla., Doc. E 1568, *Gasoline Products Co., Inc.*, v. *The Globe Oil & Refining Co.* Judgment entered dismissing bill without prejudice on stipulation Jan. 3, 1941.

1,328,107, S. B. Waring, Expansion joint strip; 1,339,094, F. C. Bowman, Preformed expansion joint strip; Re. 16,554, A. C. Fischer, Elastic and expansible paving joint; 1,662,567, 1,683,881, 1,572,474, same, Expansion joint; 1,744,714, same, Constructional material and method of making same; 1,770,356, 1,793,439, 1,769,630, same, Constructional material, D. C., N. D. Ill., E. Div., Doc. 15626, *Constructional Materials Patents, Inc.*, v. *W. R. Meadows, Inc.* By stipulation action dismissed with prejudice to plaintiff as to complaint and prejudice to defendant as to counterclaim Feb. 6, 1941.

1,339,094. (See 1,328,107.)

1,359,024, P. D. Brewster, Method for color cinematography; 1,359,025, same, Apparatus for color cinematography, filed Mar. 29, 1941, D. C., S. D. N. Y., Doc. 13/351, *P. D. Brewster* v. *Technicolor, Inc., et al.*

1,359,025. (See 1,359,024.) 1,456,419. (See 1,324,983.)

1,486,822. (See 2,125,715.) 1,572,474. (See 1,328,107.)

1,604,092. (See 2,125,715.) 1,662,567. (See 1,328,107.)

1,683,881. (See 1,328,107.)

1,690,109, R. A. Gross, Collapsible box; 1,758,510, same, Paper box; 1,940,213, same, Knockdown paper box with cover, D. C., N. D. Ill., E. Div., Doc. 16099, *Simplex Paper Box Corp.* v. *Bowmakers, Inc.* Dismissed for want of equity Dec. 27, 1939. Decree affirmed Jan. 9, 1941.

1,712,382, 2,097,023, Driggs, Jr., & Faber, Firearms; 1,712,383, same, Fixed ammunition for firearms; 1,947,834, same, Flare signal; 1,970,501, L. L. Driggs, Jr., Firearm; 2,124,876, 2,074,683, same, Flare, D. C. Md., Doc. 502, *Kilgore Mfg. Co. et al.* v. *Triumph Explosives, Inc., et al.* Claims 1 and 2 of 1,712,382 and claims 2 and 7 of 1,712,383 held valid and infringed, injunction; that as to Patents 1,970,501, 2,074,683, 2,097,023, and 2,124,876, which were each withdrawn by plaintiff prior to trial and 1,947,834 the defendants have not infringed Mar. 19, 1941.

1,712,383. (See 1,712,382.)

1,728,602, H. Garrett, Automatic street signaling system; 1,743,965, same, System for operating traffic-controlling and fire-alarm apparatus, D. C., N. D. Tex. (Fort Worth), Doc. E 938, *National Electric Signal Co.* v. *City of Mineral Wells, Tex.* Dismissed with prejudice Oct. 8, 1940.

1,734,079. (See 1,324,983.) 1,743,965. (See 1,728,602.)

1,744,714. (See 1,328,107.) 1,758,510. (See 1,690,109.)

1,769,630. (See 1,328,107.) 1,770,356. (See 1,328,107.)

1,782,640, A. L. Wenner-Gren. Vacuum cleaner; 1,940,244, F. Carlstedt, same; 2,052,967, same, Coupling; 2,003,087, E. S. Lynger, Sprayer, D. C., N. D. Ohio, E. Div., Doc. 20508, *Electrolux Corp.* v. *Electroair, Inc., et al.* Consent decree holding patents valid and infringed, injunction; trade-mark Electrolux also held infringed (notice Apr. 9, 1941).

1,793,439. (See 1,328,107.) 1,836,216. (See 2,125,715.)

1,859,198, K. E. Cunningham, Combination garment; 1,899,890, same, Foundation garment, D. C., N. D. Ill., E. Div., Doc 15/565, *The H. W. Gossard Co.* v. *Loeber's, Inc.* Patents held valid and infringed; injunction May 5, 1939. Mandate reversing decree of lower court with instructions to dismiss for lack of equity Oct. 22, 1940.

1,869,337. (See 1,324,983.)

1,893,670, M. H. Goodner, Resuscitator; 2,138,845, C. N. Erickson, Combined resuscitator and inhalator, filed Mar. 26, 1941, D. C., S. D. N. Y., Doc 13/317, *C. N. Erickson* v. *J. H. Emerson et al.*

1,899,890. (See 1,859,198.)

1,928,948, 2,117,978, P. R. Oftedal, Weather strip; 2,108,137, Oftedal & Kingsley, Threshold, D. C., N. D. Ill., E. Div., Doc. 573, *Protex Weatherstrip Mfg. Co. et al.* v. *Master Metal Strip Service Co.* Consent decree holding Patent 2,117,978 and claims 1 to 4 inclusive, and claims 6 and 8 of 2,108,137 valid and infringed; bill dismissed without prejudice as to 1,928,948 Mar. 12, 1941.

1,940,213. (See 1,690,109.) 1,940,244. (See 1,782,640.)

1,947,834. (See 1,712,382.) 1,951,467. (See Re. 20, 756.)

1,970,501. (See 1,712,382.) 2,003,087. (See 1,782,640.)

2,034,678, Knaust & Knaust, Method of producing mushrooms; 2,097,766, same, Means for producing mushrooms, appeal filed Apr. 1, 1941, C. C. A., 2d Cir., Doc. —, *Knaust Bros., Inc.*, v. *E. J. Goldschlag et al.*

2,040,753, O. T. McIlvaine, Electric ray producing device; 2,060,584, same, Electric light, filed Mar. 25, 1941, D. C., N. D. Ill., E. Div., Doc. 2754, *McIlvaine Patent Corp.* v. *Walgreen Co.*

2,052,967. (See 1,782,640.) 2,060,584. (See 2,040,753.)

2,074,683. (See 1,712,382.) 2,083,106. (See 2,125,715.)

2,097,023. (See 1,712,382.) 2,097,766. (See 2,034,678.)

2,108,137. (See 2,928,948.)

2,112,723, I. J. Wisoff, Decorative material; 2,157,583, same, Apparatus for producing decorative material, filed Mar. 31, 1941, D. C., S. D. N. Y., Doc. 13/356, *H. Slomowitz* v. *New York Merchandise Co., Inc., et al.*

2,117,978. (See 1,928,948.) 2,123,620. (See 2,125,715.)

2,124,876. (See 1,712,382.)

2,125,715, 1,836,216, C. Goldenberg, Adjustable necktie; 1,486,822, Wolfson & Wolfson, Necktie; 2,083,106, 1,604,092, I. D. Wolfson, same; 2,123,620, same, Facing band and multiple band strip, D. C., S. D. N. Y., Doc. 6/491, *I. Goldenberg et al.* v. *Ingenuities Corp. of America et al.* Consent order of discontinuance (notice Mar. 31, 1941).

2,127,310. (See 2,191,063.) 2,138,845. (See 1,893,670.)

2,157,583. (See 2,112,723.)

2,159,729. (See Des. 107,092.)

2,190,853. (See 2,191,063.) 2,191,060. (See 2,191,063.)

2,191,063, P. Smit, Manufacture of absorbent and iron exchanging materials; 2,205,635, same, Method of changing the character of solutions by base-exchange; 2,191,060, O. Liebknecht, Carbonaceous zeolite and the preparation thereof; 2,206,007, same, Process for the production of conversion products from carbonaceous materials; 2,190,853, W. Vaughan, Conditioning water; 2,127,310, R. Riley, Hydrogen zeolite water treatment, filed Mar. 24, 1941, D. C., E. D. Mo. (St. Louis), Doc. 758, *National Aluminate Corp.* v. *The Permutit Co.*

2,205,635. (See 2,191,063.) 2,206,007. (See 2,191,063.)

Re. 16,554. (See 1,328,107.)

Re. 20,756 (of 1,951,467), F. J. Baumeister, Sign, D. C., N. D. Ill., E. Div., Doc. 15767, *North American Service Co.* v. *Dee-Nite Displays et al.* Consent decree holding patent valid and infringed, injunction Jan. 13, 1941.

Des. 102,517, Des. 102,518, Seibert & Williams, Grave marker, D. C., N. D. Ill., E. Div., Doc. 1938, *J. H. Matthews & Co.* v. *Bronze, Inc.* Dismissed for want of equity (patent held invalid) Feb. 8, 1941.

Des. 102,518. (See Des. 102,517.)

Des. 107,092, H. W. Ribble, Combined beverage cooling and dispensing cabinet; 2,159,729, same, Beverage cooling and dispensing apparatus and method, filed Mar. 24, 1941, D. C., W. D. Mo. (Kansas City), Doc. 927, *Rapids Equipment Co., Inc.*, v. *A. J. Stephens & Co.*

Des. 121,448, Des. 121,542, S. Novak, Dress ensemble, D. C., S. D. N. Y., Doc. 11/75, *Flora Dress Co.* v. *Bill Spear et al.* Consent judgment (notice Apr. 1, 1941).

Des. 121,542. (See Des. 121,448.)

Des. 122,132, Turet & Roberts, Combined tie clasp and pencil; Des. 124,227, L. E. Baer, same, filed Apr. 3, 1941, D. C., S. D. N. Y., Doc. 13/391, *D. Turet et al* v. *Swank Products, Inc.*

Des. 124,227. (See Des. 122,132.)

T. M. 22,406, The Coca Cola Co., Nutrient or tonic beverage; T. M. 47,189, T. M. 238,145, T. M. 238,146, same, Tonic beverages and syrups for the manufacture of such beverages, D. C., N. D. Ill., E. Div., Doc. 1964, *The Coca-Cola Co.* v. *Hava-Kola Co. et al.* Consent decree holding trade-mark valid and infringed, injunction Mar. 14, 1941.

T. M. 47,189. (See T. M. 22,406.)

T. M. 165,616, T. M. 222,928, Delahell Laboratories, Inc., Remedy for constipation; T. M. 277,393, Petrolagar Laboratories, Inc., same, filed Mar. 21, 1941, D. C., N. D. Ill., E. Div., Doc. 2739, *Petrolagar Laboratories, Inc.*, v. *North American Pharmacal Co.*

T. M. 222,928. (See T. M. 165,616.)

T. M. 238,145. (See T. M. 22,406.)

T. M. 238,146. (See T. M. 22,406.)

T. M. 277,393. (See T. M. 165,616.)

Adjudicated Patents

(C. C. A. Okla.) Mason patent, No. 1,408,113, for well-measuring device, claims 1 to 5 *Held* invalid, or, if valid, not infringed. *Mason Corporation* v. *Halliburton*, 118 F.(2d) 729.

(D. C. Mich.) Watts patent, No. 1,624,698, for doffer for ironing machines, *Held* valid and infringed. *Super Ironer Corporation* v. *Watts Laundry Equipment Co.*, 37 F. Supp. 986.

(C. C. A. Ill.) Borrowdale patent, No. 1,694,638, for attachment for printing presses, claim 2 *Held* not infringed. *Jogger Mfg. Corporation* v. *Roquemore*, 118 F.(2d) 867.

(D. C. N. Y.) Trager patent, No. 1,708,496, for brief bag, *Held* not infringed. *Klotz* v. *Rubinstein*, 37 F. Supp. 1008.

(C. C. A. Ill.) Borrowdale patent, No. 1,863,465, for automatic jogger, *Held* not infringed. *Jogger Mfg. Corporation* v. *Roquemore*, 118 F.(2d) 867.

(C. C. A. Ill.) Rutledge patent, No. 1,906,337, for cellular carton, claims 5 and 6 *Held* infringed. *Sutherland Paper Co.* v. *Auburn Carton Corporation*, 118 F.(2d) 862.

(C. C. A. Ariz.) Rose and Engle patent, No. 1,947,493, for coating of machine elements, *Held* invalid. *Emmett* v. *Metals Processing Corporation*, 118 F.(2d) 796.

(D. C. N. Y.) Klotz patent, No. 2,043,833, for protecting framing for brief cases, though infringed, *Held* invalid. *Klotz* v. *Rubinstein*, 37 F. Supp. 1008.

(C. C. A. Ind.) Sager patent, No. 2,067,791, for hand protector, *Held* not infringed. *Sager* v. *Glove Corporation*, 118 F.(2d) 873.

(D. C. N. Y.) Reichold patent, No. 2,119,964, for electric sadiron (now Reissue Patent No. 21,611), claims 3, 4, 5, 7, 14, 15, and 16 *Held* invalid. *Winsted Hardware Mfg. Co.* v. *Samson-United Corporation*, 37 F. Supp. 1002.

(C. C. A. Ill.) Schreyer patent, No. 2,178,512, for electric iron and dampener, claims 1 to 4 *Held* invalid. *Schreyer* v. *Chicago Motocoil Corporation*, 118 F.(2d) 852.

(D. C. Ill.) Lanser reissue patent, No. 20,369, for liquid measuring apparatus, claims 3, 5, 7, 10, 11, and 12 *Held* invalid. *S. F. Bowser & Co.* v. *Gilbert & Barker Mfg. Co.*, 37 F. Supp. 977.

(D. C. Ill.) Griffith reissue patent, No. 21,186, for air release mechanism for dispensing apparatus, claims 6, 17, 18, 19, and 20 *Held* invalid. *Id.*

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 17, 1941

[VOL. 527. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 430,937. AMERICAN PHENOLIC CORPORATION, Chicago, Ill. Filed Apr. 19, 1940.

AMPHENOL

FOR SYNTHETIC RESINS.

Claims use since June 1, 1938.

CLASS 2

RECEPTACLES

Ser. No. 412,040. ONEIDA PAPER PRODUCTS, INC., New York, N. Y. Filed Oct. 25, 1938.



The portrait is fanciful. The words "Price" and "Weight" and the representation of the placard are disclaimed apart from the mark.

FOR BAGS OF PAPER, GLASSINE, CELLOPHANE, AND THE LIKE, WHICH ARE SOLD IN TRADE EMPTY.

Claims use since Oct. 20, 1938.

Ser. No. 441,527. UNION BAG & PAPER CORPORATION, New York, N. Y. Filed Mar. 13, 1941.



No claim is made to the word "Hemp" apart from the mark.

FOR PAPER BAGS.

Claims use since Jan. 1, 1920.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 440,992. IRVING M. MERDINGER, New York, N. Y. Filed Feb. 25, 1941.



Applicant disclaims the words "An" and "Product" apart from the mark.

FOR UPHOLSTERY AND SPOT CLEANERS, AND SOAP AND CLEANING COMPOUNDS FOR FLOORS AND METAL AND COMPOSITION SURFACES.

Claims use since July 3, 1939.

Ser. No. 442,322. ROCH D. KAWERK, doing business as June Bride Products Company, Birmingham, Ala. Filed Apr. 5, 1941.



The picture is fanciful.
FOR WHITE SHOE CLEANER.
Claims use since Apr. 1, 1941.

Ser. No. 442,814. EARL C. WEST, Mora, Minn. Filed Apr. 21, 1941.



No claim is made to the representation of a dental plate apart from the mark.
FOR DENTAL PLATE CLEANER.
Claims use since Feb. 10, 1941.

CLASS 5

ADHESIVES

Ser. No. 442,831. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Apr. 22, 1941.

KODAK

FOR ADHESIVE OR BINDING TAPE.
Claims use since July 3, 1940.

Ser. No. 443,438. SWIFT AND COMPANY, Chicago, Ill. Filed May 9, 1941.

MORFLEX

FOR GLUE.
Claims use since Mar. 29, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 428,987. WM. H. GLASCOT & Co., Michigan City, Ind. Filed Feb. 28, 1940.

SKIN
—O—
CLEAR
KING OF THE SKIN

Applicant disclaims the terms "Skin," "Clear," and "of the Skin" apart from the mark.
FOR SKIN OINTMENT.
Claims use since 1922.

Ser. No. 438,696. MADELAINE, INC., Newark, N. J. Filed Dec. 10, 1940.

Oust

FOR UNDER ARM AND BODY LIQUID SPRAY DEODORANT.
Claims use since Nov. 19, 1940.

Ser. No. 438,697. MADELAINE, INC., Newark, N. J. Filed Dec. 10, 1940.

Zizi

FOR UNDER ARM AND BODY LIQUID SPRAY DEODORANT.
Claims use since Nov. 19, 1940.

Ser. No. 441,108. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Feb. 28, 1941.

HOT DOG

FOR ENAMEL ADAPTED FOR COATING FINGER NAILS, AND LIPSTICKS.
Claims use since Feb. 7, 1941.

Ser. No. 441,109. REVLON PRODUCTS CORPORATION, New York, N. Y. Filed Feb. 28, 1941.

ROSY FUTURE

FOR ENAMEL ADAPTED FOR COATING FINGER NAILS, AND LIPSTICKS.
Claims use since Feb. 7, 1941.

Ser. No. 441,569. DIFCO LABORATORIES INCORPORATED, Detroit, Mich. Filed Mar. 15, 1941.

LUTEOGEN

FOR PHARMACEUTICAL PREPARATION—NAMELY, A PREPARATION OF THE ANTERIOR PITUITARY GLAND DESIGNED FOR USE IN IMPAIRED CONDITIONS OF THE ANTERIOR PITUITARY GLAND.
Claims use since Feb. 10, 1941.

Ser. No. 441,577. ROCH D. KAWERK, doing business as Victory Chemical Co., Birmingham, Ala. Filed Mar. 15, 1941.

Victory
ROX-SALVE

The word "Salve" is disclaimed apart from the mark.
FOR SALVE USEFUL IN THE TREATMENT OF HEAD AND CHEST COLDS, NASAL CONGESTION, AND AS AN ANTISEPTIC DRESSING FOR MINOR CUTS OR INSECT BITES.
Claims use since Nov. 3, 1937.

Ser. No. 441,758. ROBERT ALEXANDER BACHMANN, doing business as Bach Products Co., New York, N. Y. Filed Mar. 21, 1941.

Pessa-Jell

The word "Jell" is disclaimed apart from the mark.
FOR LUBRICATING JELLY FOR ANATOMICAL, CLINICAL, GYNECOLOGICAL, MEDICAL, OBSTETRICAL, OTOLOGICAL AND SURGICAL USE OR APPLICATION.
Claims use since February, 1939.

Ser. No. 441,913. THE JOHNSON-MARCH CORPORATION, New York, N. Y. Filed Mar. 25, 1941.

COMPOUND "M"

No claim is made to the word "Compound" apart from the mark.
FOR WETTING AGENT, MORE PARTICULARLY FOR USE IN THE WETTING OF DUST.
Claims use since July 13, 1940.

Ser. No. 441,981. ST. DENIS TOILETRIES, INC., New York, N. Y. Filed Mar. 26, 1941.

BLUE SAPPHIRE

FOR EAU DE COLOGNE, PERFUME, DUSTING POWDER, TALCUM POWDER, BATH CRYSTALS, BUBBLE BATH PREPARATIONS, BATH OIL, COMBINATION GIFT SETS CONSISTING OF EAU DE COLOGNE, POWDER, BATH CRYSTALS.
Claims use since Mar. 17, 1941.

Ser. No. 441,982. ST. DENIS TOILETRIES, INC., New York, N. Y. Filed Mar. 26, 1941.

JAUNTY

FOR EAU DE COLOGNE, PERFUME, DUSTING POWDER, TALCUM POWDER, BATH CRYSTALS, BUBBLE BATH PREPARATIONS, BATH OIL, COMBINATION GIFT SETS CONSISTING OF EAU DE COLOGNE, POWDER, BATH CRYSTALS.
Claims use since Mar. 17, 1941.

Ser. No. 442,073. PUREPAC CORPORATION, New York, N. Y. Filed Mar. 29, 1941.

LUBINOL

FOR MEDICINAL MINERAL OIL.
Claims use since January, 1937.

Ser. No. 442,346. AURORA LABORATORIES, INC., Chicago, Ill. Filed Apr. 7, 1941.

PUP-UP

FOR MEDICINAL PREPARATION USEFUL IN THE TREATMENT OF DISTEMPER IN DOGS.
Claims use since Mar. 27, 1941.

Ser. No. 442,350. JOE BRASCI, doing business as Joe Brasci & Co., Los Angeles, Calif. Filed Apr. 7, 1941.

HAZZI

FOR PREPARATION FOR ERADICATING JOHNSON GRASS AND ROOTS.
Claims use since Mar. 7, 1941.

Ser. No. 442,368. CHANDLER R. PITTS, doing business as The Pitts Laboratories, Hurlock, Md. Filed Apr. 7, 1941.

BOB
POULTRY SOLUTION

Applicant disclaims the words "Poultry Solution" apart from the mark.
FOR POULTRY SOLUTION.
Claims use since Mar. 14, 1941.

Ser. No. 442,380. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa. Filed Apr. 7, 1941.

CETRO-CIROSE

FOR SEDATIVE EXPECTORANT.
Claims use since Mar. 12, 1941.

Ser. No. 442,455. NORTHAM WARREN CORPORATION, Stamford, Conn. Filed Apr. 10, 1941.

TWO-STEP

FOR NAIL POLISH AND NAIL POLISH REMOVER.
Claims use since Apr. 4, 1941.

Ser. No. 442,477. SIDNEY J. ARKUSH, doing business as Madame Marva Products Co., St. Louis, Mo. Filed Apr. 11, 1941.



The portrait is fanciful.
FOR HAIR COLORING.
Claims use since July 1, 1936.

Ser. No. 442,480. THE BENZOCARB CO., Baltimore, Md. Filed Apr. 11, 1941.



FOR OINTMENT TO BE APPLIED EXTERNALLY FOR THE RELIEF OF ECZEMA AND ECZEMATOUS CONDITIONS.
Claims use since Mar. 20, 1940.

Ser. No. 442,491. HOUSE OF HERBS, INC., Canaan, Conn. Filed Apr. 11, 1941.

Tressglo

FOR HAIR RINSE.
Claims use since Dec. 14, 1940.

Ser. No. 442,518. CHEMURGIC CORPORATION, Richmond, Calif. Filed Apr. 12, 1941.

Ultra

FOR INSECTICIDES.
Claims use since Mar. 27, 1941.

Ser. No. 442,550. D. JAYNE & SON, INC., Philadelphia, Pa. Filed Apr. 14, 1941.

V & I

FOR MEDICINAL PREPARATIONS COMPRISING VITAMINS AND IRON.
Claims use since Mar. 15, 1941.

Ser. No. 442,633. R. H. MACY & CO., INC., New York, N. Y. Filed Apr. 16, 1941.

WINDBREAKER

FOR COSMETIC LOTIONS.
Claims use since Nov. 19, 1940.

Ser No. 443,069. CAMPANA SALES COMPANY, Batavia, Ill. Filed Apr. 29, 1941.

Old South Perfumers

FOR BATH POWDERS, BATH CRYSTALS, TALCUM POWDERS, SACHETS, LOTIONS FOR THE SKIN, AND PERFUMERY.
Claims use since July 9, 1940.

Ser. No. 443,115. CHEMURGIC CORPORATION, Richmond, Calif. Filed Apr. 30, 1941.



FOR INSECTICIDES.
Claims use since Mar. 27, 1941.

Ser. No. 443,166. THE MALTINE COMPANY, New York, N. Y. Filed May 1, 1941.

HEMACAPS

FOR PHARMACEUTICAL PREPARATION, MORE PARTICULARLY VITAMIN AND IRON CAPSULES.
Claims use since Feb. 3, 1941.

Ser. No. 443,186. THE DRUG PRODUCTS CO., INC., Long Island City, N. Y. Filed May 2, 1941.

Kaquasyn

FOR VITAMIN K SYNTHETIC SUBSTANCE IN WATER FOR INTRAVENOUS, INTRAMUSCULAR OR SUBCUTANEOUS USE INDICATED IN HYPOPROTHROMBINEMIA CONDITIONS.
Claims use since Mar. 4, 1941.

Ser. No. 443,196. LENTHERIC, INCORPORATED, New York, N. Y. Filed May 2, 1941.

SHOW HORSE

FOR VANITY CASES CONTAINING ROUGES.
Claims use since Feb. 7, 1940.

Ser. No. 443,248. ANTHONY FALCONE, Newark, N. J. Filed May 5, 1941.

CASMAY

FOR NAIL ENAMEL.
Claims use since Apr. 29, 1941.

CLASS 7

CORDAGE

Ser. No. 442,207. PIEDMONT COTTON MILLS, Egan, Ga. Filed Apr. 2, 1941.

PIEDCO

FOR COTTON TWINE.
Claims use since Jan. 1, 1928.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 441,814. ECUSTA PAPER CORPORATION, Pisgah Forest, N. C. Filed Mar. 22, 1941.



FOR CIGARETTE PAPER.
Claims use since Mar. 15, 1941.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 442,426. THE PARKER PEN COMPANY, Janesville, Wis. Filed Apr. 9, 1941.

51

FOR WRITING INK.
Claims use since Nov. 14, 1940.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 440,257. LONE STAR ROOFING COMPANY, Houston, Tex. Filed Feb. 3, 1941.



FOR ASPHALT COMPOSITION ROOFING PUT UP IN ROLLS AND ALSO IN SHINGLES, ASPHALT IN DRUMS AND SACKS, COAL TAR PITCH IN DRUMS, PREPARED FOR ROOFING MATERIALS, FELTS SATURATED WITH ASPHALT, ALSO TAR FOR ROOFING, ASBESTOS SHINGLES AND SIDING, AND PLASTICS FOR ROOFING AND SIDING PREPARATIONS.
Claims use since Jan. 1, 1932.

Ser. No. 442,023. THE B. & T. FLOOR COMPANY, Columbus, Ohio. Filed Mar. 28, 1941.

FEATHER-WEDGE

No claim is made to the word "Wedge" apart from the mark.
FOR STRIPS OR SHIMS OF COMPOSITION MATERIALS USED FOR BUILDING UP LIGHTWEIGHT FLOOR AND WALL COVERINGS TO CAUSE THE LATTER TO MATCH THICKER MATERIALS.
Claims use since Dec. 2, 1940.

Ser. No. 442,335. THE ROBINSON CLAY PRODUCT COMPANY, Akron, Ohio. Filed Apr. 5, 1941.

VITREON

FOR SEWER PIPE FABRICATED FROM CLAY COMPOUNDS.
Claims use since Mar. 31, 1941.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 441,402. SWEDISH STEEL MILLS' A. A., INC., New York, N. Y. Filed Mar. 12, 1941.

SILVER STRIPE

FOR STEELS USED FOR TOOLS.
Claims use since September, 1940.

Ser. No. 442,287. JOSEPH T. RYERSON & SON, INC., Chicago, Ill. Filed Apr. 4, 1941.

RYCASE

FOR ALLOY STEEL.
Claims use since Jan. 2, 1930.

CLASS 15

OILS AND GREASES

Ser. No. 440,684. WALLACE EMETT FRANCISCO, doing business as Francisco Laboratory, Los Angeles, Calif. Filed Feb. 15, 1941.

POWER-MIST

The word "Power" is disclaimed apart from the mark.
FOR MOTOR FUELS—NAMELY, GASOLINE, PETROLEUM DISTILLATE TO BE USED AS A MOTOR FUEL FOR INTERNAL COMBUSTION ENGINES, AND MENTHENOL FUEL.
Claims use since Dec. 15, 1939.

Ser. No. 441,012. BILLUPS PETROLEUM COMPANY, Greenwood, Jackson, Clarksdale, Indianola, Belzoni, Columbus, Columbia, Gulfport, Itta Bena, Natchez, and Durant, Miss.; Lake Charles, New Iberia, New Orleans, Amite, Hammond, Jennings, Opelousas, Eunice, Franklin, and Alexandria, La.; and Memphis, Tenn. Filed Feb. 26, 1941.



FOR FUEL OIL, GASOLINE OIL, ILLUMINATING OIL, LUBRICATING OIL, GASOLINE, AND GEAR GREASE.
Claims use since Jan. 1, 1930.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 438,037. CALIFORNIA TEXAS OIL COMPANY, LIMITED, New York, N. Y. Filed Nov. 19, 1940.



The drawing is lined for red.
FOR PAINT AND VARNISH THINNERS.
Claims use since November, 1937.

Ser. No. 439,831. ROXALIN FLEXIBLE LACQUER COMPANY, INC., Elizabeth, N. J. Filed Jan. 21, 1941.

LEAFLEX

FOR ALUMINUM POWDER IN DRY AND PASTE FORM, ALUMINUM MIXING LACQUERS AND VARNISHES AND THINNERS THEREFOR, SOLD BOTH SEPARATELY AND COMBINED.
Claims use since April, 1932.

Ser. No. 442,499. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Apr. 11, 1941.

THERMO-LAC

No claim is made to the word "Lac" apart from the mark.
FOR LACQUER AND VARNISHES.
Claims use since May 21, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 440,274. ZENITH RADIO CORPORATION, Chicago, Ill. Filed Feb. 3, 1941.

Concer-Tone

No claim is made to the word "Tone" apart from the mark.
FOR RADIO AND TELEVISION RECEIVING SETS AND PARTS THEREOF.
Claims use since Jan. 23, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 429,084. AMERICAN FEATURES, INC., Hollywood, Calif. Filed Mar. 1, 1940.



FOR DOLLS, CHECKERBOARDS AND MOVABLE PIECES, TOY BUILDING BLOCKS, AND CARTOON CUT-OUT TOYS.
Claims use since Dec. 16, 1939.

Ser. No. 441,820. MURRAY GRUMETTE, doing business as Murray Grumette Co., Brooklyn, N. Y. Filed Mar. 22, 1941.

rotato chips

The word "Chips" is disclaimed apart from the mark.
FOR PUZZLES AND PUZZLE GAMES.
Claims use since Feb. 17, 1941.

Ser. No. 443,318. AMERICAN MOLDED PRODUCTS CO., Chicago, Ill. Filed May 7, 1941.

FLOR-S-ENT

FOR GOLF TEES.
Claims use since May 4, 1940.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 426,645. ELGIN WINDMILL COMPANY, Elgin, Ill. Filed Dec. 16, 1939.

ELGIN WINDMILL CO.

Applicant is owner of the mark, "Elgin," registered in certificate No. 374,720, under the 10-year proviso of the act of February 20, 1905.
FOR WINDMILLS, PUMP JACKS, GALVANIZED STEEL TOWERS, STEEL SILO LADDERS, AND STEEL MILK CAN RACKS.
Claims use since June 15, 1938.

Ser. No. 439,210. JAMES W. SHEEHAN, Santa Monica, Calif. Filed Dec. 26, 1940.

TOOLS BY AIRCO

Applicant disclaims the words "Tools by" apart from the mark.
FOR RIVET SETS, DIMPLING TOOLS, RIVETING YOKES, DRILL BUSHING, HAMMERS, SKIN CLAMP PLIERS.
Claims use since May 27, 1940.

Ser. No. 440,814. HAUSE VALVE COMPANY, Wichita, Kans., and Montpelier, Ohio. Filed Feb. 20, 1941.

MOROIL

FOR PUMPS.
Claims use since Feb. 1, 1930.

Ser. No. 441,222. HARVEY C. WHEELER, doing business as Geyser Quality Popcorn Company, Miami, Fla. Filed Mar. 4, 1941.

GEYSER

QUALITY

No claim is made to the word "Quality" apart from the mark.
FOR POPCORN VENDING MACHINES.
Claims use since Dec. 15, 1940.

Ser. No. 441,344. BRADFORD MOTOR WORKS, Bradford, Pa. Filed Mar. 8, 1941.

NU-TEX

FOR PLAIN AND VALVED OIL WELL PLUNGERS.
Claims use since Feb. 25, 1939.

Ser. No. 441,459. ACCESSORIES CORPORATION, Gastonia, N. C. Filed Mar. 12, 1941.

DIXIE FILTER REPAX

No claim is made to the word "Filter" apart from the mark.
FOR OIL FILTER CARTRIDGES FOR AUTOMOBILE AND OTHER INTERNAL COMBUSTION ENGINES.
Claims use since Feb. 1, 1940.

Ser. No. 441,585. MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Mar. 15, 1941.

NORTHERN KING

FOR BIT BRACES, HACK SAW FRAMES, TINNER'S SNIPS, DRAWING KNIVES, PUSH DRILLS, VISES, HAND DRILLS, SHOVELS, AUGER BITS, SPADES, GRAIN SCOOPS, SCREW DRIVERS, COLD CHISELS, MACHINIST HAMMERS, FILES, NAIL HAMMERS, RAILROAD PICKS, COMPASS SAWS, MATTOCKS, COPING SAWS, HAYFORKS OF ALL KINDS, HAND SAWS, GARDEN HOES, GARDEN RAKES, HAND CULTIVATORS, PLANES, SCYTHES AND SNATHES, CHISELS, GRASS SHEARS, PIPE WRENCHES, LAWN MOWERS, ADJUSTABLE WRENCHES, MOUNTED GRINDSTONES, TROWELS, MOUNTED HAND, FOOT, AND POWER GRINDERS, PLIERS, PINCERS, TOILET CLIPPERS, HATCHETS, SCISSORS, AXES, SHEARS, HANDLES (ALL KINDS), BUTCHER KNIVES, CROSS CUT SAWS, HOUSEHOLD KNIVES MADE OF BASE METAL, ONE MAN SAWS, PARING KNIVES, BUTCHER SAWS, PUTTY KNIVES, BUCK SAWS, CARVERS, RAZOR BLADES, HUNTING AND POCKET KNIVES.
Claims use since 1894.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 433,041. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed June 14, 1940.

BUILT-IN WATCHMAN

The words "Built-in" are disclaimed apart from the mark.
FOR THERMOSTATS FOR ELECTRICAL CIRCUITS.
Claims use since March, 1934.

Ser. No. 440,744. DU PONT FILM MANUFACTURING CORPORATION, New York, N. Y. Filed Feb. 18, 1941.

Stripolith

FOR SENSITIZED PHOTOGRAPHIC FILM.
Claims use since Jan. 27, 1941.

Ser. No. 440,856. DU PONT FILM MANUFACTURING CORPORATION, New York, N. Y. Filed Feb. 21, 1941.

Panolith

FOR SENSITIZED PHOTOGRAPHIC FILM.
Claims use since Jan. 30, 1941.

Ser. No. 441,890. VIRGINIA LENS COMPANY, INC., Petersburg, Va. Filed Mar. 24, 1941.

Coronet BRAND

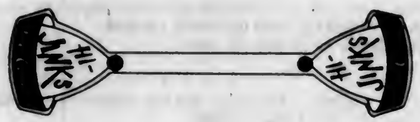
VIRGINIA LENS CO., INC.

The words "Brand" and "Virginia Lens Co., Inc." are claimed only in the association shown.
FOR OPHTHALMIC LENSES.
Claims use since Dec. 10, 1940.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 442,029. COHN & ROSENBERGER, INC., New York, N. Y. Filed Mar. 28, 1941.



FOR NECKLACES, AND BRACELETS, FINGER RINGS, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METAL OR PLATED WITH THE SAME; BEADS, PINS, HAT ORNAMENTS, HAIR ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, CIGARETTE CASES, CIGARETTE BOXES, FANCY BUCKLES, AND JEWELRY INITIALS.
Claims use since September, 1940.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 443,329. INVESTO COMPANY, Los Angeles, Calif. Filed May 7, 1941.

SECUROIL

FOR LIQUID FILTERS AND PARTS THEREOF PARTICULARLY ADAPTED FOR USE IN PURIFYING LUBRICATING OIL.
Claims use since Mar. 12, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 442,644. VISTEM CORPORATION, New York, N. Y. Filed Apr. 16, 1941.

VIStem

FOR POSTING TRAYS, DESKS, FILE CABINETS, PORTABLE TRAYS, ADJUSTABLE STANDS FOR TRAYS AND CABINETS AND DIVIDERS ADAPTED TO CONTAIN ONLY CARDS ARRANGED IN ECHELON.
Claims use since Feb. 3, 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 443,262. OLIVER TIRE & RUBBER COMPANY, Oakland, Calif. Filed May 5, 1941.

VULKSEAL

FOR COMPOUNDED RUBBER PREPARATION USED IN THE MAKING AND REPAIRING OF TIRES.
Claims use since Dec. 1, 1940.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 439,793. AUDIO DEVICES, INC., New York, N. Y. Filed Jan. 21, 1941.



FOR SOUND RECORDING DEVICES AND ACCESSORIES—NAMELY, INSTANTANEOUS SOUND RECORDING BLANKS, SOUND RECORDING STYLI, SOUND EFFECTS KITS, AND RECORDING THREAD BRUSHES.
Claims use since December, 1939.

CLASS 37

PAPER AND STATIONERY

Ser. No. 436,823. MAURITZ A. STERNER, Forest Hills, N. Y. Filed Oct. 10, 1940.

FOR BEACH AND PICNIC
Cheerio
BEACH BLANKET • • 15¢

Applicant disclaims the term "For Beach and Picnic" and "Beach Blanket 15¢" apart from the mark.
FOR BEACH BLANKETS MADE FROM PAPER.
Claims use since June 25, 1940.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 439,389. THE HOPP PRESS, INCORPORATED, New York, N. Y. Filed Jan. 3, 1941.

MASTR

FOR LAMINATED PRINTED SHEETS AND PRINTED MATTER AS FOLLOWS—CARDS HAVING HIGHLY FINISHED SURFACES, SECTIONAL PRICE MARKERS, AND PRICE TICKETS.
Claims use on laminated printed sheets, cards and the like having highly finished surfaces since Mar. 15, 1940; and on sectional price markers, price tickets, and card and price ticket holders since Aug. 5, 1940.

Ser. No. 440,569. THE AMERICAN DAIRY CATTLE CLUB, Chicago, Ill. Filed Feb. 12, 1941.

HERD BUILDER

FOR NEWSLETTERS.
Claims use since Jan. 25, 1941.

Ser. No. 440,570. THE AMERICAN DAIRY CATTLE CLUB, Chicago, Ill. Filed Feb. 12, 1941.

HERD BUILDER

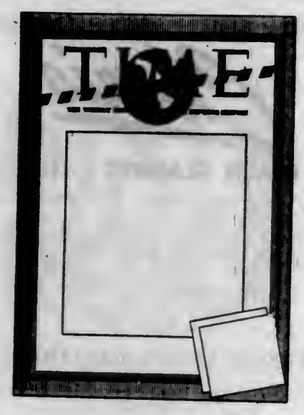
FOR NEWSLETTERS.
Claims use since Jan. 25, 1941.

Ser. No. 442,485. LOUIS G. COWAN, Chicago, Ill. Filed Apr. 11, 1941.

QUIZ KIDS

FOR SCRIPTS FOR A SERIES OF RADIO BROADCASTS, SOLD AS A PUBLICATION IN TRADE
Claims use since June 24, 1940.

Ser. No. 442,501. TIME, INCORPORATED, New York, N. Y. Filed Apr. 11, 1941.



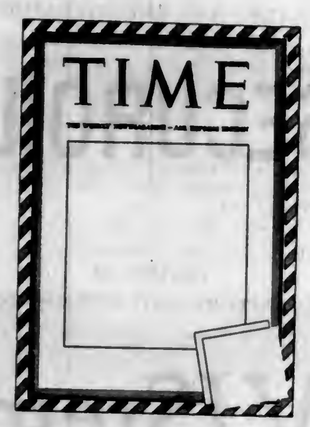
The drawing is lined for red and blue. The words "The Weekly Newsmagazine—Air Express Edition" are disclaimed apart from the mark.
FOR WEEKLY MAGAZINE.
Claims use since Feb. 20, 1941.

Ser. No. 442,502. TIME, INCORPORATED, New York, N. Y. Filed Apr. 11, 1941.



The drawing is lined for red and blue. No claim is made to the words "The Weekly Newsmagazine—Air Express Edition" apart from the mark.
FOR WEEKLY MAGAZINE.
Claims use since Feb. 20, 1941.

Ser. No. 442,503. TIME, INCORPORATED, New York, N. Y. Filed Apr. 11, 1941.



The drawing is lined for red and blue. No claim is made to the words "The Weekly Newsmagazine—Air Express Edition" apart from the mark.
FOR WEEKLY MAGAZINE.
Claims use since Feb. 20, 1941.

Ser. No. 442,639. SPAULDING-MOSS COMPANY, Boston, Mass. Filed Apr. 16, 1941.

SEMCO

FOR BLUE PRINTS, VAN DYKE PRINTS, DIRECT POSITIVE PRINTS, PHOTOSTAT PRINTS, MANIGRAPH PRINTS, TRACING CLOTH PRINTS, PHOTOGRAPHIC PRINTS, PLANOGRAPHIC PRINTS, PHOTOLITHOGRAPHIC PRINTS, AND LITHOPRINTS.
Claims use since Apr. 8, 1941, on lithoprints; and since October, 1928, on rest of goods.

Ser. No. 442,672. THE SPORTING NEWS PUBLISHING COMPANY, doing business as Charles C. Spink & Son, St. Louis, Mo. Filed Apr. 17, 1941.

CAUGHT ON THE FLY

FOR NEWSPAPER COLUMN.
Claims use since Mar. 17, 1886.

Ser. No. 442,673. THE SPORTING NEWS PUBLISHING COMPANY, doing business as Charles C. Spink & Son, St. Louis, Mo. Filed Apr. 17, 1941.

OVER... THE FENCE

FOR NEWSPAPER COLUMN.
Claims use since Aug. 4, 1938.

Ser. No. 442,837. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Apr. 22, 1941. Under the act of February 20, 1905, as amended June 10, 1938.

KODAMOUNT

FOR PHOTOGRAPHIC PRINTS AND ENLARGEMENTS.
Claims use since Jan. 10, 1939.

Ser. No. 442,857. CHARLES E. THORP, doing business as Aircraft Publications, New York, N. Y. Filed Apr. 22, 1941.

AEROSPHERE

FOR ENCYCLOPEDIA AND DIRECTORY PUBLISHED ANNUALLY.
Claims use since Apr. 1, 1940.

CLASS 39

CLOTHING

Ser. No. 433,373. BLAIR CORSET COMPANY, Chicago, Ill. Filed June 26, 1940.

Sani-sadl

The word "Sadl" is disclaimed except as shown.
FOR DETACHABLE CROTCH MEMBERS FOR USE WITH WOMEN'S PANTY GIRDLES.
Claims use since June 10, 1940.

Ser. No. 436,320. THE SCHAFER CO., Decatur, Ind. Filed Sept. 24, 1940.



Applicant disclaims the words "Stay Stitch," "The Schafer Co." and "Decatur, Ind." and the representation of the glove apart from the mark.
FOR GLOVES MADE OF LEATHER AND/OR FABRIC.
Claims use since Aug. 1, 1940.

Ser. No. 436,350. LILLY LUSTIG, New York, N. Y. Filed Sept. 25, 1940.

HEALTH OVER

No claim is made to the word "Health" except as shown.
FOR PROTECTIVE GARMENTS MADE OF CELLOPHANE, PAPER, AND TEXTILES FOR WEAR FOR FITTINGS OF REGULAR GARMENTS, OTHER APPAREL AND ACCESSORIES.
Claims use since Aug. 28, 1940.

Ser. No. 440,103. JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed Jan. 29, 1941.



The word "Original" is disclaimed apart from the mark.
FOR HATS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Nov. 27, 1940.

Ser. No. 440,867. LEWIS & LOCKE, INC., New York, N. Y. Filed Feb. 21, 1941.

Landoe

FOR LEATHER GLOVES.
Claims use since 1929.

Ser. No. 440,870. REUBEN METZ, Chicago, Ill. Filed Feb. 21, 1941.



No claim is made to the word "Shoes" apart from the mark.
FOR SPECIALLY CONSTRUCTED BOWLING SHOES.
Claims use since April, 1932.

Ser. No. 441,116. UNITED KNITWEAR, INCORPORATED, Cincinnati, Ohio. Filed Feb. 28, 1941.

VARSITY SQUARE Sportswear

The word "Sportswear" is disclaimed apart from the mark.

FOR SWEATERS, POLO SHIRTS, LEATHER COATS, MACKINAWS, BATHING SUITS, BATHING HATS, BATHING SHOES, WORK SHIRTS, WORK TROUSERS, WORK COATS, PAJAMAS, SWEAT PANTS, BASKETBALL PANTS, DRESS SHIRTS, SPORT SUITS, SPORT SHIRTS, SPORT TROUSERS, MUFFLERS, HOCKEY AND TOBOGGAN CAPS, HOSIERY, KNITTED UNDERWEAR, FOR MEN, WOMEN, AND CHILDREN, BATHROBES, AND SWEAT SHIRTS.

Claims use since Feb. 19, 1941.

Ser. No. 441,362. ORBITEX, INC., New York, N. Y. Filed Mar. 8, 1941.

ORBITEX

FOR HOSIERY AND UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, AND NECKTIES FOR MEN.

Claims use since Mar. 6, 1933.

Ser. No. 441,703. JOHARA, INC., Chicago, Ill. Filed Mar. 19, 1941.

Johara

FOR LADIES' DRESSES, COATS, OUTER SKIRTS, SUITS, JACKETS, SLACKS, BLOUSES, SCARFS, SWEATERS, HOUSECOATS, SLIPS, PANTIES, BRASSIÈRES, BLOOMERS, NIGHTGOWNS, AND HATS.

Claims use since July 1, 1938.

Ser. No. 441,945. THE WILLIAM CARTER COMPANY, Needham Heights, Mass. Filed Mar. 26, 1941.

CHECKMATES

FOR WOMEN'S UNDERGARMENTS — NAMELY, PANTIES AND GIRDLES.

Claims use since October, 1939.

Ser. No. 441,955. THE FAIR, Chicago, Ill. Filed Mar. 26, 1941.

Kenrich 16/17

Applicant disclaims the numerals 16/17 except as shown.

FOR LADIES' UNDERWEAR.

Claims use since Mar. 10, 1941.

Ser. No. 442,348. BAKER MANUFACTURING COMPANY, Sioux City, Iowa. Filed Apr. 7, 1941.

KARI KEEN

The drawing is lined for red.

FOR OVERALLS, COVERALLS, AND WORK SHIRTS.

Claims use since Mar. 1, 1940.

Ser. No. 442,581. WELLS-LAMONT-SMITH CORPORATION, Chicago, Ill. Filed Apr. 14, 1941.

Handy Ann

FOR WOMEN'S RUBBERIZED GLOVES.

Claims use since Feb. 1, 1941.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 442,316. THOMAS FRENCH & SONS, LTD., New York, N. Y. Filed Apr. 5, 1941.

ECONOTAPE

FOR WOVEN LADDER WEB FOR VENETIAN BLINDS.

Claims use since Oct. 17, 1939.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 442,180. STARK BROS. RIBBON CORPORATION, New York, N. Y. Filed Apr. 1, 1941.

FASHION FINDS

Applicant disclaims the word "Fashion" apart from the mark.

FOR TEXTILE RIBBONS MANUFACTURED FROM SILK, RAYON AND COMBINATIONS OF SILK, RAYON, COTTON, AND TINSEL, SOLD BY THE YARD, SPOOL, PIECE, OR BOLT.

Claims use since Mar. 12, 1941.

CLASS 43

THREAD AND YARN

Ser. No. 441,846. THE AMERICAN MILLS COMPANY OF NEW YORK, West Haven, Conn. Filed Mar. 24, 1941.

PERMOFLEX

FOR ELASTIC THREAD AND STRANDS BOTH COVERED AND UNCOVERED.

Claims use since Sept. 15, 1939.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 440,603. THE LIEBEL-FLARSHEIM COMPANY, Cincinnati, Ohio. Filed Feb. 12, 1941.

RAYSUN

FOR GENERATOR OF ULTRA-VIOLET AND INFRA RED RAYS USED FOR THERAPEUTIC PURPOSES.

Claims use since October, 1939.

Ser. No. 443,101. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed Apr. 29, 1941.

MASTER

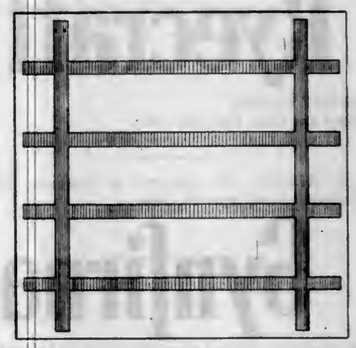
FOR DENTAL EQUIPMENT STANDS.

Claims use since September, 1938.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 423,574. PURE CHEESE CORPORATION, Chicago, Ill. Filed Sept. 13, 1939.



The drawing is lined for red.

FOR PASTEURIZED CHEESE.

Claims use since Aug. 7, 1938.

Ser. No. 427,677. RISHWAIN BROTHERS, Stockton, Calif. Filed Jan. 20, 1940.

ARBEE CREST

RISHWAIN BROS.

No claim is made to the name Rishwain Bros. apart from the mark.

FOR FOOD PRODUCTS—NAMELY, COFFEE, TOMATO CATSUP, AND SALT.

Claims use since Nov. 13, 1939.

Ser. No. 436,921. J. REUBEN CLARK, JR., Grantsville, Utah. Filed Oct. 14, 1940.



FOR DRESSED POULTRY.

Claims use since Oct. 1, 1939.

Ser. No. 438,891. MOTT CARTON & PAPER CO., St. Louis, Mo. Filed Dec. 16, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

DU-HICKY

FOR FOOD PRODUCT—NAMELY, A FROZEN CONFECTION.

Claims use since Oct. 1, 1940.

Ser. No. 438,892. MOTT CARTON & PAPER CO., St. Louis, Mo. Filed Dec. 16, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

FUDG-HICKY

No claim is made to the word "Fudg" apart from the mark.

FOR FOOD PRODUCT—NAMELY, A FROZEN CONFECTION.

Claims use since Oct. 1, 1940.

Ser. No. 439,200. V. LA ROSA & SONS, INC., Brooklyn, N. Y. Filed Dec. 26, 1940.

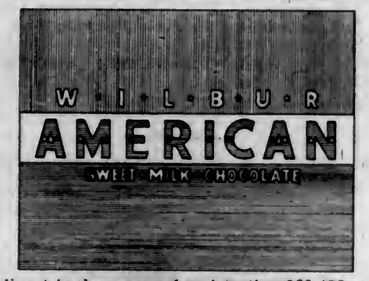
LaRosa

Applicant is the owner of registrations 131,535, 110,012, 293,297, and 313,418.

FOR BUTTER, MACARONI PRODUCTS, NOODLES, AND PASTINA, A MACARONI PRODUCT CUT UP IN SMALL FANCIFUL SHAPES.

Claims use since 1899 on butter; and since 1914 on rest of goods.

Ser. No. 441,718. WILBUR-SUCHARD CHOCOLATE COMPANY, INC., Lititz, Pa. Filed Mar. 19, 1941.



Applicant is the owner of registration 382,478, granted under the 10-year proviso. No claim is made to the words "Sweet Milk Chocolate" and "American" apart from the mark.

FOR CANDY—NAMELY, CHOCOLATE BARS.

Claims use since Feb. 28, 1941.

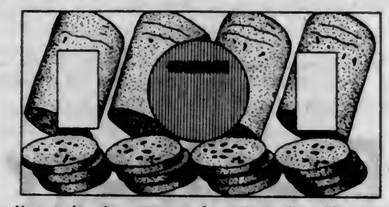
Ser. No. 441,880. SCHUCKL & CO., INC., doing business as Sunnyvale Packing Co., San Francisco, Calif. Filed Mar. 24, 1941.

Applicant is the owner of registration No. 385,408. The drawing is lined for red. The representation of the goods apart from the mark and the representation of a label, per se, are disclaimed.

FOR CANNED BAKED BEANS.

Claims use since Feb. 21, 1941.

Ser. No. 441,881. SCHUCKL & CO., INC., doing business as Sunnyvale Packing Co., San Francisco, Calif. Filed Mar. 24, 1941.



Applicant is the owner of registration No. 385,408. The drawing is lined for red. The representation of the goods apart from the mark and the representation of a label, per se, are disclaimed.

FOR CANNED BROWN BREAD.

Claims use since Mar. 1, 1941.

Ser. No. 441,903. ECONOMY MILLS, Lubbock, Tex. Filed Mar. 25, 1941.

EVERLAY

FOR POULTRY FEEDS.

Claims use since Aug. 29, 1927.

Ser. No. 442,216. CHAS. SNYDER CO., INC., Salinas, Calif. Filed Apr. 2, 1941.

Voucher

FOR FRESH VEGETABLES.

Claims use since Mar. 21, 1941.

Ser. No. 442,283. B. M. REEVES CO., INC., New York, N. Y. Filed Apr. 4, 1941.

OLIVE FOURSOME

No claim is made to the word "Olive" apart from the mark.

FOR OLIVES.

Claims use since Mar. 15, 1940.

Ser. No. 442,563. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Apr. 14, 1941.

KAL-TEK

FOR WHEAT CEREAL.

Claims use since Mar. 18, 1941.

Ser. No. 442,564. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Apr. 14, 1941.

Ryecraft

FOR RYE FLOUR.

Claims use since Feb. 26, 1941.

Ser. No. 442,731. H. SCHOPPE & SCHULTZ, Hamburg, Germany. Filed Apr. 18, 1941.

Synfirna

FOR PREPARATION USED IN THE MANUFACTURE OF ICE CREAM AS A BINDING AGENT, PRESERVING AGENT, AND FLAVORING AGENT.

Claims use since Apr. 29, 1940.

Ser. No. 442,751. THE GRIFFITH LABORATORIES, INC., Chicago, Ill. Filed Apr. 19, 1941.

VELVETONE

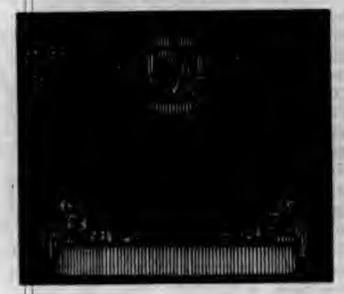
FOR POWDERED PRODUCT CONTAINING ESSENTIALLY DEBITTERED SOYA BEAN GRITS, WITH AND WITHOUT CORN GRITS AND WITH AND WITHOUT DEXTROSE, FOR USE AS A FILLER, BINDER, OR EMULSIFIER FOR FILLINGS FOR ENCASED MEATS AND OTHER GROUND MEAT PRODUCTS.

Claims use since Feb. 15, 1937.

CLASS 47

WINES

Ser. No. 427,969. DELVINO GRAPE PRODUCTS CO. INC., New York, N. Y. Filed Jan. 29, 1940.



The drawing is lined for red and dotted for gold.

FOR WINES.

Claims use since Apr. 30, 1933.

Ser. No. 440,935. THE HILL DISTRIBUTING COMPANY, Columbus, Ohio. Filed Feb. 24, 1941.

Arbor Hill

FOR WINES.

Claims use since Nov. 15, 1940.

Ser. No. 440,936. THE HILL DISTRIBUTING COMPANY, Columbus, Ohio. Filed Feb. 24, 1941.

Maravilla

FOR WINES.

Claims use since Jan. 23, 1941.

Ser. No. 441,528. JOSEPH VENZA, doing business as California Sunset Products Co., New York, N. Y. Filed Mar. 13, 1941.

California Sunset

Applicant disclaims the expression "California" separately from the mark.

FOR WINES.

Claims use since Jan. 20, 1941.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 395,721. JOHN ROBERTSON & SON LIMITED, Dundee, Scotland. Filed July 28, 1937.

ROBERTSON'S
YELLOW LABEL
Choice Liqueur
SCOTCH WHISKY
BLENDED AND BOTTLED BY
JOHN ROBERTSON & SON LTD
DUNDEE, Scotland

No claim is made to a yellow colored label per se or to the words "Robertson's," "Choice Liqueur Scotch Whisky," "Blended and Bottled by John Robertson & Son Ltd., Dundee, Scotland" apart from the mark.

FOR SCOTCH WHISKY.

Claims use since Feb. 28, 1911.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 17, 1941

388,178. SHOVELS AND SPADES. THE UNION FORK & HOE COMPANY, Columbus, Ohio.
Filed May 28, 1937. Serial No. 393,400. PUBLISHED APRIL 8, 1941. Class 23.

388,179. WATER HEATERS AND PARTS THEREOF USING SOLID AND LIQUID FUELS. CENTURY ENGINEERING CORPORATION, Cedar Rapids, Iowa.
Filed February 18, 1938. Serial No. 403,165. PUBLISHED APRIL 8, 1941. Class 34.

388,180. TYPEWRITER RIBBON AND CARBON PAPER. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y.
Filed April 6, 1939. Serial No. 417,935. PUBLISHED APRIL 8, 1941. Class 11.

388,181. PLAIN, SALTED, AND BUTTERED POPCORN. HENRY T. RESTEMEIER, doing business as H. T. Restemeier Potato Chip Co., Cleveland, Ohio.
Filed June 21, 1939. Serial No. 420,779. PUBLISHED OCTOBER 31, 1939. Class 46.

388,182. MOLDS FOR GLASS LENSES, MOLDS FOR GLASS PLACQUES, AND MOLDS FOR PLASTIC BRUSH BACKS. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed June 24, 1939. Serial No. 420,920. PUBLISHED APRIL 8, 1941. Class 13.

388,183. PAINT PRODUCT—NAMELY, FOUR HOUR ENAMEL. MOBILE PAINT MFG. COMPANY, INC., Mobile, Ala.
Filed September 20, 1939. Serial No. 423,770. PUBLISHED JULY 30, 1940. Class 16.

388,184. WEARING APPAREL—NAMELY, LADIES' SLIPS. NEWTON MANUFACTURING COMPANY, Freeburg, Ill., and St. Louis, Mo.
Filed September 27, 1939. Serial No. 423,981. PUBLISHED JANUARY 23, 1940. Class 39.

388,185. PICKLES. AMERICANS OWN PACKING CO., New York, N. Y.
Filed November 27, 1939. Serial No. 425,974. PUBLISHED APRIL 8, 1941. Class 46.

388,186. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES, PARTS THEREOF AND ACCESSORIES THEREFOR—NAMELY, TELEPHONE TRANSMITTING AND RECEIVING APPARATUS AND COMPONENT PARTS; ETC. WESTERN ELECTRIC COMPANY, INCORPORATED, New York, N. Y.
Filed January 26, 1940. Serial No. 427,916. PUBLISHED APRIL 8, 1941. Class 21.

388,187. SOLID-PACK CANNED TOMATOES, CANNED TOMATOES WITH PUREE, CANNED PEELED TOMATOES WITH SAUCE, AND TOMATO PASTE. HERSHEL CALIFORNIA FRUIT PRODUCTS CO., San Jose, Calif.
Filed February 5, 1940. Serial No. 428,233. PUBLISHED APRIL 8, 1941. Class 46.

388,188. BAKERY PRODUCTS, PARTICULARLY BREAD, CAKES, DOUGHNUTS, AND COOKIES. FRANK J. KOSER, Watertown, Wis., assignor to Flourence L. Koser, Watertown, Wis.
Filed February 8, 1940. Serial No. 428,359. PUBLISHED APRIL 8, 1941. Class 46.

388,189. PREPARATION FOR TREATING FABRICS FOR RESTORATION OF FINISH AND FIBER CHARACTERISTICS. KENT STORES OF WASHINGTON, INC., Washington, D. C.
Filed February 24, 1940. Serial No. 428,876. PUBLISHED APRIL 23, 1940. Class 6.

388,190. WOMEN'S SHOES MADE OF RUBBER AND FABRIC AND A COMBINATION OF THESE MATERIALS. MARSHALL, MEADOWS & STEWART, INC., Auburn, N. Y.
Filed March 1, 1940. Serial No. 429,100. PUBLISHED APRIL 8, 1941. Class 39.

388,191. RAYON AND COTTON PIECE GOODS. TRUMAN BAILEY, New York, N. Y.
Filed March 4, 1940. Serial No. 429,165. PUBLISHED APRIL 8, 1941. Class 42.

388,192. CARTOON CUT-OUT GAME. AMERICAN FEATURES, INC., Hollywood, Calif.
Filed March 15, 1940. Serial No. 429,590. PUBLISHED APRIL 8, 1941. Class 22.

388,193. CAMERAS. MIMOSA AMERICAN CORPORATION, New York, N. Y.
Filed April 10, 1940. Serial No. 430,619. PUBLISHED APRIL 8, 1941. Class 26.

388,194. BREAD IMPROVER, THE SAME BEING A COMPOSITION OF A DEHYDRATED GRAIN FLOUR, CONTAINING LACTIC ACID, ETC. AMERICAN BREDDO CORPORATION, New York, N. Y.
Filed April 13, 1940. Serial No. 430,711. PUBLISHED APRIL 8, 1941. Class 46.

388,195. ICE CREAM AND SHERBET. ICE CREAM SECURITIES COMPANY, San Francisco, Calif.
Filed May 7, 1940. Serial No. 431,651. PUBLISHED APRIL 8, 1941. Class 46.

388,196. EVAPORATED MILK. THE BORDEN COMPANY, New York, N. Y.
Filed May 10, 1940. Serial No. 431,757. PUBLISHED APRIL 8, 1941. Class 46.

388,197. ELECTRIC IRONING MACHINES. ARMSTRONG PRODUCTS CORPORATION, Huntington, W. Va.
Filed June 20, 1940. Serial No. 433,206. PUBLISHED AUGUST 20, 1940. Class 24.

388,198. WORK SHIRTS, WORK PANTS, WORK JACKETS, AND OVERALLS. MASON & HUGHES, Clarksville, Tenn.
Filed May 29, 1940. Serial No. 432,481. PUBLISHED APRIL 8, 1941. Class 39.

388,199. CHINAWARE ORNAMENTAL BOXES. GENERAL CERAMICS COMPANY, New York, N. Y.
Filed July 5, 1940. Serial No. 433,709. PUBLISHED APRIL 8, 1941. Class 30.

388,200. NAIL POLISH. PEGGY SAGE, INC., Stamford, Conn.
Filed July 12, 1940. Serial No. 433,904. PUBLISHED SEPTEMBER 24, 1940. Class 6.

388,201. LIPSTICK, ROUGE, FACE POWDER, COLD CREAM, SHAMPOO, PERFUMES, HAND CREAM, HAND LOTION, AND HAIR TONIC. BORIS FELDMAN, New York, N. Y.
Filed July 26, 1940. Serial No. 434,361. PUBLISHED MARCH 25, 1941. Class 6.

388,202. PNEUMATIC TIRES. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed August 20, 1940. Serial No. 435,165. PUBLISHED APRIL 8, 1941. Class 35.

388,203. HAIR CREAMS. DERMOTT, INCORPORATED, Chicago, Ill.
Filed August 22, 1940. Serial No. 435,241. PUBLISHED APRIL 8, 1941. Class 6.

388,204. TOWEL. BRUNO HEITZ, Waterbury, Conn.
Filed August 23, 1940. Serial No. 435,295. PUBLISHED APRIL 8, 1941. Class 42.

388,205. FRESH VEGETABLES. O'KEEFE BROTHERS, Jacksonville, Tex.
Filed August 23, 1940. Serial No. 435,310. PUBLISHED APRIL 8, 1941. Class 46.

388,206. PREPARATION FOR SINUS AND HEAD COLDS. GEORGE L. BIERBOWER, Knierim, Iowa.
Filed September 3, 1940. Serial No. 435,604. PUBLISHED APRIL 8, 1941. Class 6.

388,207. MEN'S OVERCOATS, RAINCOATS, AND SPORT JACKETS. COSMOPOLITAN MANUFACTURING COMPANY, Cambridge, Mass.
Filed October 15, 1940. Serial No. 436,959. PUBLISHED APRIL 8, 1941. Class 39.

388,208. ELECTRICAL GENERATORS, MOTORS, AND VOLTAGE REGULATORS. BARDCO MANUFACTURING & SALES COMPANY, Los Angeles, Calif.
Filed October 16, 1940. Serial No. 436,989. PUBLISHED APRIL 8, 1941. Class 21.

388,209. BOTTLED CHERRIES, ONIONS, MUSTARD, GHERKINS, AND A MIXED SANDWICH SPREAD VENDED IN A COMMON PACKAGE. KNIGHT PACKING COMPANY, Portland, Oreg.
Filed October 19, 1940. Serial No. 437,092. PUBLISHED APRIL 8, 1941. Class 46.

388,210. FOOTWEAR—NAMELY, SHOES, SLIPPERS, AND MOCCASINS MADE OF LEATHER AND OF COMBINATIONS OF LEATHER AND FABRIC. COBBLERS, INC., Los Angeles, Calif.
Filed October 21, 1940. Serial No. 437,123. PUBLISHED APRIL 8, 1941. Class 39.

388,211. CARBON PAPERS AND TYPEWRITER RIBBONS. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y.
Filed October 29, 1940. Serial No. 437,384. PUBLISHED APRIL 1, 1941. Class 11.

388,212. CARBON PAPERS AND TYPEWRITER RIBBONS. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y.
Filed October 29, 1940. Serial No. 437,385. PUBLISHED APRIL 1, 1941. Class 11.

388,213. SCREEN PATCHES. C. L. NEELY, doing business as Neely Manufacturing Company, Corydon, Iowa.
Filed November 8, 1940. Serial No. 437,692. PUBLISHED APRIL 8, 1941. Class 13.

388,214. VEGETABLE SHORTENING. SWIFT AND COMPANY, Chicago, Ill.
Filed November 13, 1940. Serial No. 437,846. PUBLISHED APRIL 8, 1941. Class 46.

388,215. PAPER PLATES. AMERICAN TISSUE MILLS, Holyoke, Mass.
Filed November 15, 1940. Serial No. 437,889. PUBLISHED APRIL 8, 1941. Class 2.

388,216. TIME ELECTRIC IMPULSE TELEMETERING SYSTEMS AND APPARATUS, ETC. BAILEY METER COMPANY, Cleveland, Ohio.
Filed November 15, 1940. Serial No. 437,890. PUBLISHED APRIL 8, 1941. Class 26.

388,217. REMOVABLE CLAMP AND BAR ASSEMBLIES FOR CONVERTING FLEXIBLE HARROWS INTO RIGID SMOOTHING HARROWS. CLIFFORD E. BUTLER, Waterloo, Iowa.
Filed November 16, 1940. Serial No. 437,936. PUBLISHED APRIL 8, 1941. Class 23.

388,218. FASTENERS OR COUPLINGS FOR BELTS, NUTS AND BOLTS FOR BELT FASTENERS, AND CLIPS FOR USE DURING THE APPLICATION OF BELT FASTENERS, AND RIP PLATES FOR REPAIRING TEARS AND RIPS IN BELTS. FLEXIBLE STEEL LACING COMPANY, Chicago, Ill.
Filed November 18, 1940. Serial No. 438,004. PUBLISHED APRIL 8, 1941. Class 13.

388,219. CANNED SOUPS. B. POGGIOLI & SON, East Vineland, N. J.
Filed November 19, 1940. Serial No. 438,052. PUBLISHED APRIL 8, 1941. Class 46.

388,220. BAKERY PRODUCTS—NAMELY, BREAD, ROLLS, CRACKERS, CAKES, COOKIES. BAKKRAFT CORPORATION, LTD., Los Angeles, Calif.
Filed November 22, 1940. Serial No. 438,108. PUBLISHED APRIL 8, 1941. Class 46.

388,221. CANNED FRUITS, CANNED VEGETABLES, CANNED VEGETABLE JUICES, CANNED SALMON, CANNED MACKEREL, CANNED SARDINES, PEANUT BUTTER, FRUIT PRESERVES, JELLIES, SANDWICH RELISH, AND SALAD DRESSING. PAXTON AND GALLAGHER CO., Omaha, Nebr.
Filed November 29, 1940. Serial No. 438,353. PUBLISHED APRIL 8, 1941. Class 46.

388,222. MACARONI. BAYARD S. SCOTLAND, doing business as Number One Company, Joliet, Ill.
Filed November 30, 1940. Serial No. 438,405. PUBLISHED APRIL 8, 1941. Class 46.

388,223. SELF RISING FLOUR. BLISH MILLING COMPANY, Seymour, Ind.
Filed December 2, 1940. Serial No. 438,430. PUBLISHED APRIL 8, 1941. Class 46.

388,224. FERTILIZERS AND FERTILIZER MATERIALS. THE PHOSPHATE MINING COMPANY, New York, N. Y.
Filed December 2, 1940. Serial No. 438,449. PUBLISHED APRIL 1, 1941. Class 10.

388,225. MEN'S, WOMEN'S, AND CHILDREN'S HOSE. SARFERT HOSIERY MILLS, INC., Philadelphia, Pa.
Filed December 2, 1940. Serial No. 438,455. PUBLISHED APRIL 8, 1941. Class 39.

388,226. MACARONI. BAYARD S. SCOTLAND, doing business as Number 1 Co., Joliet, Ill.
Filed December 2, 1940. Serial No. 438,458. PUBLISHED APRIL 8, 1941. Class 46.

388,227. ELECTRICAL EQUIPMENT—NAMELY, HEATING UNITS, HEATING ELEMENTS, HEATERS, RHEOSTATS, RESISTORS, SWITCHES, CONTACTORS, CONDENSERS, AND INSULATED CONNECTION WIRE. WATLOW ELECTRIC MANUFACTURING COMPANY, St. Louis, Mo.
Filed December 2, 1940. Serial No. 438,461. PUBLISHED APRIL 8, 1941. Class 21.

388,228. CANNED FRUITS AND VEGETABLES. SPARTANBURG CANNING CO., Spartanburg, S. C.
Filed December 5, 1940. Serial No. 438,556. PUBLISHED APRIL 8, 1941. Class 46.

388,229. HACKSAW FRAMES, HACKSAW BLADES, HAMMERS, PLIERS, SCREWDRIVERS, ETC. K-D MANUFACTURING COMPANY, Lancaster, Pa.
Filed December 7, 1940. Serial No. 438,619. PUBLISHED APRIL 8, 1941. Class 23.

388,230. VITAMIN FOOD PRODUCT IN THE NATURE OF A CANDY CONTAINING ADDED VITAMINS. PINE BROS., INC., Philadelphia, Pa.
Filed December 7, 1940. Serial No. 438,627. PUBLISHED APRIL 8, 1941. Class 46.

388,231. MOTION PICTURE MACHINES, BOTH SILENT AND SOUND, AND EQUIPMENT, APPARATUS, AND ACCESSORIES RELATING THERETO, ETC. AMPRO CORPORATION, Chicago, Ill.
Filed December 9, 1940. Serial No. 438,641. PUBLISHED APRIL 8, 1941. Class 26.

388,232. DETERGENTS (CLEANING, WATER SOFTENING, ETC.), SAID DETERGENT COMPOUNDS BEING USED PRIMARILY FOR CLEANING PURPOSES, FOR USE IN LAUNDRIES AND HAVING INCIDENTAL WATER SOFTENING PROPERTIES. FINGER LAKES CHEMICAL COMPANY, INC., Ithaca and Etna, N. Y.
Filed December 13, 1940. Serial No. 438,795. PUBLISHED APRIL 8, 1941. Class 4.

388,233. WOMEN'S SHOES, MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. HUTH & JAMES SHOE CO., Milwaukee, Wis.
Filed December 13, 1940. Serial No. 438,804. PUBLISHED APRIL 8, 1941. Class 39.

388,234. EXTRUDED ALUMINUM ALLOY MOULDINGS, EXTRUDED BRASS MOULDINGS, AND ROLLED ALUMINUM AND STAINLESS STEEL MOULDINGS, M. A. LINSKY, doing business as M. A. Linsky Company, Los Angeles, Calif.
Filed December 13, 1940. Serial No. 438,807. PUBLISHED APRIL 8, 1941. Class 14.

388,235. MEASURING AND CONTROLLING SYSTEMS AND APPARATUS FOR TEMPERATURE INCLUDING AIR-PILOT VALVE RECORDER-CONTROLLERS, ETC. BAILEY METER COMPANY, Cleveland, Ohio.
Filed December 14, 1940. Serial No. 438,828. PUBLISHED APRIL 8, 1941. Class 26.

388,236. WINES. B. CRIBARI & SONS, New York, N. Y.
Filed December 16, 1940. Serial No. 438,867. PUBLISHED APRIL 8, 1941. Class 47.

388,237. POTATOES IN THEIR NATURAL STATE. AROOSTOOK POTATO GROWERS, INC., Presque Isle, Maine.
Filed December 17, 1940. Serial No. 438,919. PUBLISHED APRIL 8, 1941. Class 46.

388,238. PRESSURE-SENSITIVE ADHESIVE TAPES. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J.
Filed December 18, 1940. Serial No. 438,986. PUBLISHED APRIL 8, 1941. Class 5.

388,239. LOCK NUTS. HENRY C. ABELL, Asbury Park, N. J.
Filed December 19, 1940. Serial No. 439,006. PUBLISHED APRIL 8, 1941. Class 13.

388,240. MEN'S, CHILDREN'S, AND WOMEN'S CLOTHING, PARTICULARLY FOR PANTS, SLACKS, AND SPORT SHIRTS, SPORT COATS, AND SPORT SUITS, SUCH AS WORN BY SPORT SPECTATORS, AT RESORTS, AND ON CRUISES. CHARLES GOLDENBERG, New York, N. Y.
Filed December 19, 1940. Serial No. 439,021. PUBLISHED APRIL 8, 1941. Class 39.

388,241. COMPOSITION FOR CLEANING WOOD, STONE, METAL, COMPOSITION, AND PAINTED SURFACES. MAX WEISS, doing business as Cleaning Specialists Co., Philadelphia, Pa.
Filed December 20, 1940. Serial No. 439,002. PUBLISHED APRIL 8, 1941. Class 4.

388,242. BAKERY PRODUCTS—NAMELY, ICE CREAM CONES. NATIONAL BISCUIT COMPANY, New York, N. Y.
Filed December 23, 1940. Serial No. 439,117. PUBLISHED APRIL 8, 1941. Class 46.

388,243. LADIES' KNITTED AND TEXTILE UNDERWEAR, PAJAMAS, NEGLIGEES, AND HOUSE COATS. MITCHEL SCHNEIDER COMPANY, INC., New York, N. Y.
Filed December 24, 1940. Serial No. 439,166. PUBLISHED APRIL 8, 1941. Class 39.

388,244. HEAT CORROSION RESISTANT FURNACE CONVEYORS—NAMELY, MECHANICAL CONVEYORS FOR INDUSTRIAL USE IN THE CONVEYING OF ARTICLES INTO AND THROUGH TREATING FURNACES. METALLIZING ENGINEERING CO., INC., Long Island City, N. Y.
Filed December 30, 1940. Serial No. 439,292. PUBLISHED APRIL 8, 1941. Class 23.

388,245. MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER, RUBBER, AND FABRIC OR COMBINATIONS THEREOF, AND INSOLES FOR SUCH SHOES. J. C. PENNEY COMPANY, New York, N. Y.
Filed January 3, 1941. Serial No. 439,398. PUBLISHED APRIL 8, 1941. Class 39.

388,246. SUGAR. THE GREAT WESTERN SUGAR COMPANY, Denver, Colo.
Filed January 4, 1941. Serial No. 439,411. PUBLISHED APRIL 8, 1941. Class 46.

388,247. LACE NET CURTAINS AND PIECE GOODS. FAIRHOPE FABRICS, INC., doing business as Granite Looms, Fall River, Mass.
Filed January 8, 1941. Serial No. 439,479. PUBLISHED APRIL 8, 1941. Class 42.

388,248. UNIFORMS FOR MILITARY AND WORK USE FOR MEN AND WOMEN, SUITS AND OVERCOATS FOR MEN AND BOYS, AND WORK COATS AND PANTS. REEVES BROS. INC., New York, N. Y.
Filed January 8, 1941. Serial No. 439,493. PUBLISHED APRIL 8, 1941. Class 39.

388,249. RULES, FOLDING RULES, AND EXTENSION RULES. MASTER RULE MFG. CO. INC., New York, N. Y.
Filed January 9, 1941 Serial No. 439,518. PUBLISHED APRIL 8, 1941. Class 26.

388,250. TYPEWRITER RIBBONS, CARBON PAPERS, AND INKS—NAMELY, STAMP PAD INKS, INDELIBLE INKS, DUPLICATOR AND HECTOGRAPH INKS, AND INKS FOR SPONGE RUBBER STAMP PADS. RIVET-O MANUFACTURING COMPANY, Orange, Mass.
Filed January 9, 1941. Serial No. 439,530. PUBLISHED APRIL 8, 1941. Class 11.

388,251. GLASS SHEETS AND LAMINATIONS OF GLASS SHEETS. POLAROID CORPORATION, Cambridge, Mass.
Filed January 10, 1941. Serial No. 439,553. PUBLISHED APRIL 8, 1941. Class 33.

388,252. DRIED DEFATTED MILK CONTAINING VITAMINS AND MINERALS AND USED FOR FOOD PURPOSES. SCIENTIFIC NUTRITION CORPORATION, Dover, Del.
Filed January 10, 1941. Serial No. 439,564. PUBLISHED APRIL 8, 1941. Class 46.

388,253. COMBINATION MECHANICAL AND STEAMING WALL PAPER REMOVERS. LANDON P. SMITH, INC., Irvington, N. J.
Filed January 10, 1941. Serial No. 439,567. PUBLISHED APRIL 8, 1941. Class 23.

388,254. PROCESS AMERICAN CHEESE. THE BORDEN COMPANY, New York, N. Y.
Filed January 11, 1941. Serial No. 439,579. PUBLISHED APRIL 8, 1941. Class 46.

388,255. SLACKS, WASHABLE SUITS, BLOUSES, SPORT DRESSES, PAJAMAS, JACKETS, SKIRTS FOR GENERAL WEAR AND SKIRTS FOR TENNIS AND GOLFING FOR THE USE OF MISSES AND GIRLS. GORDON MAID SKIRT COMPANY, INC., Boston, Mass.
Filed January 11, 1941. Serial No. 439,594. PUBLISHED APRIL 8, 1941. Class 39.

388,256. TABLE CHINA. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed January 13, 1941. Serial No. 439,636. PUBLISHED APRIL 8, 1941. Class 30.

388,257. WOMEN'S AND MISSES' SWIM SUITS. MAY KNITTING CO. INC., New York, N. Y.
Filed January 14, 1941. Serial No. 439,660. PUBLISHED APRIL 8, 1941. Class 39.

388,258. FILTERS AND FILTER STONES. LE VAL FILTER CO., Chicago, Ill.
Filed January 16, 1941. Serial No. 439,720. PUBLISHED APRIL 8, 1941. Class 31.

388,259. WOMEN'S AND GIRLS' BLOUSES AND DRESSES. NATIONAL BLOUSE CORPORATION, New York, N. Y.
Filed January 16, 1941. Serial No. 439,723. PUBLISHED APRIL 8, 1941. Class 39.

388,260. POTATOES IN THEIR NATURAL STATE. HERBERT CAMPBELL, doing business as The Herbert Campbell Company, Scottsbluff, Nebr.
Filed January 17, 1941. Serial No. 439,749. PUBLISHED APRIL 8, 1941. Class 46.

388,261. WOOLEN AND WORSTED PIECE GOODS. BOTANY WORSTED MILLS, Passaic, N. J.
Filed January 18, 1941. Serial No. 439,770. PUBLISHED APRIL 8, 1941. Class 42.

388,262. WINES. SOUTHLAND WINE CORPORATION, Richmond, Va.
Filed January 18, 1941. Serial No. 439,783. PUBLISHED APRIL 8, 1941. Class 47.

388,263. SALAD OIL. STANCO INCORPORATED, New York, N. Y.
Filed January 21, 1941. Serial No. 439,843. PUBLISHED APRIL 8, 1941. Class 46.

388,264. UNDERWEAR FOR WOMEN AND GIRLS HAVING REINFORCED AND CUSHIONED SEATS WHEREIN THE CUSHION IS ARRANGED GENERALLY RING FASHION SO AS TO PROTECT THE HAUNCHES. RUTH BINNS, Chicago, Ill.
Filed January 22, 1941. Serial No. 439,854. PUBLISHED APRIL 8, 1941. Class 39.

388,265. SCRATCH FEED AND LAYING MASH. FLORY MILLING COMPANY, INC., Bangor, Pa.
Filed January 22, 1941. Serial No. 439,863. PUBLISHED APRIL 8, 1941. Class 46.

388,266. ARTIFICIAL SILK IN THE PIECE. SOUTHERN BRIGHTON MILLS, Shannon, Ga.
Filed January 23, 1941. Serial No. 439,909. PUBLISHED APRIL 8, 1941. Class 42.

388,267. ACID SCALE SOLVENT IN LIQUID FORM. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed January 24, 1941. Serial No. 439,929. PUBLISHED APRIL 8, 1941. Class 6.

388,268. THERAPEUTIC PRODUCTS COMPRISING AMEBOCIDES, ANTISEPTICS, BACTERIACIDES, DEODORANTS, DETOXICANTS, DISINFECTANTS, AND INSECTICIDES IN CRYSTALINE, POWDER, TABLET, OR SOLUTION FORM. NATIONAL ANTISEPTICS, INC., Seattle, Wash.
Filed January 25, 1941. Serial No. 439,971. PUBLISHED APRIL 8, 1941. Class 6.

388,269. VELOURS IN THE PIECE AND IN SHORT LENGTHS. DAZIAN'S, INC., New York, N. Y.
Filed January 27, 1941. Serial No. 439,994. PUBLISHED APRIL 8, 1941. Class 42.

388,270. READY MIXED AND PASTE PAINTS, VARNISHES, PAINT ENAMELS. JEWEL PAINT & VARNISH CO., Chicago, Ill.
Filed January 27, 1941. Serial No. 440,008. PUBLISHED APRIL 8, 1941. Class 16.

388,271. CHILDREN'S UNDER WAISTS. A. STEIN & COMPANY, Chicago, Ill.
Filed January 27, 1941. Serial No. 440,027. PUBLISHED APRIL 8, 1941. Class 39.

388,272. PERFUMES, SCENTS, FRAGRANCES, COSMETIC POWDERS, COSMETIC CREAMS, COSMETIC SALTS, COSMETIC LOTIONS, COSMETIC OINTMENTS, COSMETIC LIQUIDS, COSMETIC APPLICATIONS, COSMETIC COLORS, AND COSMETIC EMBROCATIONS. THE J. R. WATKINS COMPANY, Winona, Minn.
Filed January 27, 1941. Serial No. 440,030. PUBLISHED APRIL 8, 1941. Class 6.

388,273. CRYSTALLINE ALKALI SILICATE USEFUL IN NEUTRALIZING ACIDS, CLEANING, OR THE MANUFACTURE OF SILICATED SOAPS OR DETERGENT COMPOUNDS. THE COWLES DETERGENT COMPANY, Cleveland, Ohio.
Filed January 28, 1941. Serial No. 440,043. PUBLISHED APRIL 8, 1941. Class 6.

388,274. PHARMACEUTICAL PREPARATION FOR USE IN THE PREVENTION AND TREATMENT OF MILK FEVER, ECLAMPSIA AND OTHER CONDITIONS IN ANIMALS. LEDERLE LABORATORIES, INC., New York, N. Y.
Filed January 28, 1941. Serial No. 440,049. PUBLISHED APRIL 8, 1941. Class 6.

388,275. HORSE AND MULE SHOES. PHOENIX MANUFACTURING COMPANY, Joliet, Ill.
Filed January 28, 1941. Serial No. 440,055. PUBLISHED APRIL 8, 1941. Class 3.

388,276. AUTOMOBILE REAR VIEW MIRRORS. PORTER E. STONE, Detroit, Mich.
Filed January 28, 1941. Serial No. 440,066. PUBLISHED APRIL 8, 1941. Class 19.

388,277. INFANT'S OR CHILD'S SLEEPING GARMENT. TIDY PRODUCTS CORPORATION, New York, N. Y.
Filed January 28, 1941. Serial No. 440,069. PUBLISHED APRIL 8, 1941. Class 39.

388,278. INFANT'S OR CHILD'S SLEEPING GARMENT. TIDY PRODUCTS CORPORATION, New York, N. Y.
Filed January 28, 1941. Serial No. 440,070. PUBLISHED APRIL 8, 1941. Class 39.

388,279. INFANT'S OR CHILD'S SLEEPING GARMENT. TIDY PRODUCTS CORPORATION, New York, N. Y.
Filed January 28, 1941. Serial No. 440,071. PUBLISHED APRIL 8, 1941. Class 39.

388,280. VEGETABLE PEELING MACHINES. THEODORE H. ROBINSON, doing business as Robinson Brothers, Jersey City, N. J.
Filed January 29, 1941. Serial No. 440,100. PUBLISHED APRIL 8, 1941. Class 23.

388,281. POWDERED WHOLE EGGS, POWDERED EGG WHITES, AND POWDERED EGG YOLKS. ARMOUR AND COMPANY, doing business as Armour Creameries, Chicago, Ill.
Filed January 31, 1941. Serial No. 440,141. PUBLISHED APRIL 8, 1941. Class 46.

388,282. CHEESE SPREAD. BLUE MOON FOODS, INC., Thorp, Wis.
Filed January 31, 1941. Serial No. 440,143. PUBLISHED APRIL 8, 1941. Class 46.

388,283. BEACH SANDALS AND SHOES MADE ENTIRELY OF RUBBER. CONLIN & SMITH, INC., New York, N. Y.
Filed January 31, 1941. Serial No. 440,156. PUBLISHED APRIL 8, 1941. Class 39.

388,284. TEXTILE FABRICS IN THE PIECE OF RAYON, COTTON, AND SYNTHETIC YARNS OR MIXTURES THEREOF. B. A. LEVINSON INCORPORATED, New York, N. Y.
Filed January 31, 1941. Serial No. 440,168. PUBLISHED APRIL 8, 1941. Class 42.

388,285. CARPETS AND RUGS. ALEXANDER SMITH & SONS CARPET COMPANY, Yonkers, N. Y.
Filed February 1, 1941. Serial No. 440,215. PUBLISHED APRIL 8, 1941. Class 42.

388,286. OPHTHALMIC MOUNTINGS AND LENSES AND PARTS THEREOF. THE HARLEQUIN CORPORATION, New York, N. Y.
Filed February 3, 1941. Serial No. 440,248. PUBLISHED APRIL 8, 1941. Class 26.

388,287. RUBBER BATHING SUITS AND RUBBER BATHING CAPS. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed February 4, 1941. Serial No. 440,298. PUBLISHED APRIL 8, 1941. Class 39.

388,288. CORSETS. WOODWARD & LOTHROP, Washington, D. C.
Filed February 4, 1941. Serial No. 440,301. PUBLISHED APRIL 8, 1941. Class 39.

388,289. KNITTED FABRICS. ALORO KNITTING MILLS INC., Milltown, N. J.
Filed February 5, 1941. Serial No. 440,304. PUBLISHED APRIL 8, 1941. Class 42.

388,290. FABRICS IN THE PIECE MADE OF COTTON, SILK, RAYON, WOOL, LINEN, OR MIXTURES THEREOF. CROMPTON COMPANY, West Warwick, R. I.
Filed February 5, 1941. Serial No. 440,315. PUBLISHED APRIL 8, 1941. Class 42.

388,291. RAYON WOVEN FABRICS IN THE PIECE. FEIST FABRICS, INC., New York, N. Y.
Filed February 5, 1941. Serial No. 440,327. PUBLISHED APRIL 8, 1941. Class 42.

388,292. BREAD. GOTTFRIED BAKING COMPANY, INC., New York, N. Y.
Filed February 5, 1941. Serial No. 440,332. PUBLISHED APRIL 8, 1941. Class 46.

388,293. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 6, 1941. Serial No. 440,362. PUBLISHED APRIL 8, 1941. Class 42.

388,294. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 6, 1941. Serial No. 440,363. PUBLISHED APRIL 8, 1941. Class 42.

388,295. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 6, 1941. Serial No. 440,364. PUBLISHED APRIL 8, 1941. Class 42.

388,296. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 6, 1941. Serial No. 440,365. PUBLISHED APRIL 8, 1941. Class 42.

388,297. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 6, 1941. Serial No. 440,366. PUBLISHED APRIL 8, 1941. Class 42.

388,298. FABRICS IN THE PIECE MADE OF COTTON, SILK, RAYON, WOOL, LINEN, OR MIXTURES THEREOF. CROMPTON COMPANY, West Warwick, R. I.
Filed February 6, 1941. Serial No. 440,369. PUBLISHED APRIL 8, 1941. Class 42.

388,299. MATTRESSES. NEW YORK MATTRESS COMPANY, Boston, Mass.
Filed February 6, 1941. Serial No. 440,376. PUBLISHED APRIL 8, 1941. Class 32.

388,300. CANDY. DOMENICK PASSAGLIA, doing business as De Luxe Candy Co., Chicago, Ill.
Filed February 6, 1941. Serial No. 440,378. PUBLISHED APRIL 8, 1941. Class 46.

388,301. GARMENT BUCKLES. RAU FASTENER COMPANY, Providence, R. I.
Filed February 6, 1941. Serial No. 440,381. PUBLISHED APRIL 8, 1941. Class 40.

388,302. GARMENT BUCKLES. RAU FASTENER COMPANY, Providence, R. I.
Filed February 6, 1941. Serial No. 440,382. PUBLISHED APRIL 8, 1941. Class 40.

388,303. BOXES OF CELLULOID OR SIMILAR MATERIAL FOR FLIES AND OTHER ARTICLES. SHOE FORM CO., INC., Auburn, N. Y.
Filed February 6, 1941. Serial No. 440,391. PUBLISHED APRIL 8, 1941. Class 2.

388,304. BISCUITS. SOUTHERN BISCUIT COMPANY, INCORPORATED, Richmond, Va.
Filed February 7, 1941. Serial No. 440,430. PUBLISHED APRIL 8, 1941. Class 46.

388,305. SKIN LOTION. WEAR DRUG CO., Murray, Ky.
Filed February 7, 1941. Serial No. 440,433. PUBLISHED APRIL 8, 1941. Class 6.

388,306. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 8, 1941. Serial No. 440,443. PUBLISHED APRIL 8, 1941. Class 42.

388,307. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 8, 1941. Serial No. 440,445. PUBLISHED APRIL 8, 1941. Class 42.

388,308. GUM ARABIC SOLUTION USED TO PROTECT LITHOGRAPHIC PLATES WHEN NOT IN USE. DAVIDSON MANUFACTURING CORPORATION, Chicago, Ill.
Filed February 8, 1941. Serial No. 440,458. PUBLISHED APRIL 8, 1941. Class 6.

388,309. PREPARATIONS FOR CORRECTION OF METABOLIC DEFICIENCIES, WHETHER FOR ORAL (INCLUDING USE IN TABLETS AND CAPSULES) OR PARENTERAL ADMINISTRATION, INCLUDING VITAMIN-CONTAINING PREPARATIONS, INCLUDING VITAMIN B COMPLEX. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed February 8, 1941. Serial No. 440,475. PUBLISHED APRIL 8, 1941. Class 6.

388,310. DEHYDRATORS, CARTRIDGE DEHYDRATORS, SEALED-END DEHYDRATORS, DEHYDRATORS WITH DISPERSION TUBES, ETC. THE IMPERIAL BRASS MANUFACTURING CO., Chicago, Ill.
Filed February 10, 1941. Serial No. 440,511. PUBLISHED APRIL 8, 1941. Class 31.

388,311. DRY POWDERED SYNTHETIC RESIN PLASTIC ADHESIVE. THE BORDEN COMPANY, New York, N. Y.
Filed February 11, 1941. Serial No. 440,540. PUBLISHED APRIL 8, 1941. Class 5.

388,312. PADS USED IN PERMANENT WAVING. THE A. J. DONAHUE CORPORATION, Milford, Conn.
Filed February 11, 1941. Serial No. 440,545. PUBLISHED APRIL 8, 1941. Class 44.

388,313. STOMACHIC COMPOUND. S. PFEIFFER MFG. CO., St. Louis, Mo.
Filed February 12, 1941. Serial No. 440,609. PUBLISHED APRIL 8, 1941. Class 6.

388,314. DRESS SHIELDS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed February 14, 1941. Serial No. 440,655. PUBLISHED APRIL 8, 1941. Class 40.

388,315. SHAVING CREAM AND LAUNDRY AND HOUSEHOLD SOAP IN FLAKE OR GRANULATED FORM. HARRY J. THEOBALD, doing business as The Theobald Industries, Kearny, N. J.
Filed February 14, 1941. Serial No. 440,666. PUBLISHED APRIL 8, 1941. Class 4.

388,316. SHAVING CREAM, AND LAUNDRY AND HOUSEHOLD SOAP IN FLAKE OR GRANULATED FORM. HARRY J. THEOBALD, doing business as The Theobald Industries, Kearny, N. J.
Filed February 14, 1941. Serial No. 440,667. PUBLISHED APRIL 8, 1941. Class 4.

388,317. SHAVING CREAM, AND LAUNDRY AND HOUSEHOLD SOAP IN FLAKE OR GRANULATED FORM. HARRY J. THEOBALD, doing business as The Theobald Industries, Kearny, N. J.
Filed February 14, 1941. Serial No. 440,668. PUBLISHED APRIL 8, 1941. Class 4.

388,318. LAUNDRY WASHING MACHINES. ALTORFER BROS. COMPANY, Peoria, Ill.
Filed February 19, 1941. Serial No. 440,768. PUBLISHED APRIL 1, 1941. Class 24.

388,319. LIQUEFIED PETROLEUM GASES. RULANE GAS COMPANY, Charlotte, N. C.
Filed February 19, 1941. Serial No. 440,792. PUBLISHED APRIL 8, 1941. Class 6.

388,320. IRONING PADS. THE SUNLITE MFG. COMPANY, Milwaukee, Wis.
Filed February 20, 1941. Serial No. 440,837. PUBLISHED APRIL 1, 1941. Class 24.

388,321. IRONING PADS. THE SUNLITE MFG. COMPANY, Milwaukee, Wis.
Filed February 20, 1941. Serial No. 440,838. PUBLISHED APRIL 1, 1941. Class 24.

388,322. TELEPHONE STANDS. THE TELEVATOR CORPORATION, New York, N. Y.
Filed February 20, 1941. Serial No. 440,839. PUBLISHED APRIL 8, 1941. Class 32.

388,323. VITAMIN PREPARATION. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y.
Filed February 21, 1941. Serial No. 440,874. PUBLISHED APRIL 8, 1941. Class 6.

388,324. ADHESIVES — NAMELY, PASTES, GUMS, AND GLUES IN PASTE, LIQUID, DRY, AND CAKE FORM. UNITED PASTE & GLUE CORP., New York, N. Y.
Filed February 21, 1941. Serial No. 440,894. PUBLISHED APRIL 8, 1941. Class 5.

388,325. FACE POWDER. THE ARMAND COMPANY, Des Moines, Iowa.
Filed February 24, 1941. Serial No. 440,902. PUBLISHED APRIL 8, 1941. Class 6.

388,326. LIQUID NAIL POLISH. NORTHAM WARREN CORPORATION, Stamford, Conn.
Filed February 24, 1941. Serial No. 440,950. PUBLISHED APRIL 8, 1941. Class 6.

388,327. LIQUID NAIL POLISH. NORTHAM WARREN CORPORATION, Stamford, Conn.
Filed February 24, 1941. Serial No. 440,951. PUBLISHED APRIL 8, 1941. Class 6.

388,328. MAGNESIUM SILICATE SUSPENSIONS FOR MEDICINAL PURPOSES. ROSEMAN & EISENBERG, Baltimore, Md.
Filed February 26, 1941. Serial No. 441,036. PUBLISHED APRIL 8, 1941. Class 6.

388,329. INDOOR POLO GAME. A. EARL BRYSON, Winnetka, Ill.
Filed February 28, 1941. Serial No. 441,081. PUBLISHED APRIL 8, 1941. Class 22.

388,330. CHEMICALS FOR TREATING TEXTILE FIBRES. THE MARKER PRODUCTS CO., New York, N. Y.
Filed February 28, 1941. Serial No. 441,100. PUBLISHED APRIL 8, 1941. Class 6.

388,331. PREPARATION FOR THE TREATMENT OF DISEASES OF NASAL, BRONCHIAL, AND OTHER AIR PASSAGES. A. F. OSTERLOH, JR., doing business as Campbell Remedy Co., Los Angeles, Calif.
Filed February 28, 1941. Serial No. 441,105. PUBLISHED APRIL 8, 1941. Class 6.

388,332. HYPODERMIC SYRINGES, HYPODERMIC NEEDLES, INSTRUMENTS USED IN THE PRODUCTION OF INTRA-OSSEOUS ANESTHESIA, ETC. ARTHUR E. SMITH, Los Angeles, Calif.
Filed February 28, 1941. Serial No. 441,113. PUBLISHED APRIL 8, 1941. Class 44.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

388,333. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PAUL P. HORNI, New York, N. Y. Filed June 20, 1938. Serial No. 407,674.

HORNI SUPERIOR

FOR ROTATABLY DRIVEN REGISTERS FOR RECORDING ON A MOVABLE WEB FROM ELECTRICAL IMPULSES—MORE PARTICULARLY FOR USE IN SIGNALING SYSTEMS.
Claims use since November, 1934.

388,334. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) PHILLIPS SCREW COMPANY, Wilmington, Del., and Portland, Oreg. Filed Apr. 22, 1939. Serial No. 418,593.

PHILLIPS RECESSED HEAD SCREWS
Gain Time Guide Driver. Guard Work

FOR SCREWS.
Claims use since Jan. 4, 1938.

388,335. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) WHITING & DAVIS COMPANY, Plainville, Mass. Filed Aug. 1, 1939. Serial No. 422,190.

Perlimesh

FOR MESH BAGS OF BASE METAL.
Claims use since July 21, 1939.

388,336. (CLASS 37. PAPER AND STATIONERY.) NICHOLS PRODUCTS COMPANY, Moorestown, N. J. Filed Nov. 17, 1939. Serial No. 425,752.

TRI-POINT

FOR MECHANICAL PENCILS.
Claims use since Apr. 4, 1934.

388,337. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAKOB L. SCHIFF, doing business as The Chemical Products Co., Baltimore, Md. Filed Feb. 23, 1940. Serial No. 428,831.

KWIK

FOR PAINT AND VARNISH REMOVER.
Claims use since Feb. 13, 1939.

388,338. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES. KITTY CARLISLE, New York, N. Y. Filed Apr. 16, 1940. Serial No. 430,827.

DANCE-SING RECORD

FOR PHONOGRAPH RECORDS.
Claims use since Apr. 5, 1940.

388,339. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. K. SMIT & SONS, INC., New York, N. Y. Filed Apr. 18, 1940. Serial No. 430,931.

ROSSCAST

FOR DIAMOND BITS.
Claims use since Apr. 10, 1940.

388,340. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE MARTIN-SENOUR COMPANY, Cleveland, Ohio. Filed May 17, 1940. Serial No. 432,041.

Nu-Hue

FOR PAINTS (READY-MIXED, PASTE, AND DRY), VARNISHES, LACQUERS, PAINT ENAMELS, SURFACE PRIMERS, REDUCERS FOR PAINTS, VARNISH, LACQUER, AND ENAMEL, THINNERS FOR PAINT, VARNISH, LACQUER, AND ENAMEL, LIQUID PAINT AND ENAMEL COLORS.
Claims use since Apr. 19, 1940.

388,341. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GAMBLE STORES INCORPORATED, Minneapolis, Minn. Filed May 20, 1940. Serial No. 432,129.

NEVER-LEAK

FOR FLASHLIGHT BATTERY CELLS.
Claims use since Apr. 1, 1940.

388,342. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) MISTELE COAL & COKE COMPANY, Detroit, Mich. Filed July 6, 1940. Serial No. 433,743.

LO-SMOKE

FOR BITUMINOUS PRODUCTS, PARTICULARLY BITUMINOUS COAL.
Claims use since December, 1938.

388,343. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LISSAR COMPAÑIA INCORPORADA, San Pedro Makati, P. I. Filed July 13, 1940. Serial No. 433,927.

LISSAR

FOR TOILET SOAPS AND LAUNDRY SOAPS.
Claims use since Jan. 5, 1937.

388,344. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LISSAR COMPAÑIA INCORPORADA, San Pedro Makati, P. I. Filed July 13, 1940. Serial No. 433,928.

LISSAR

FOR PERFUMES, SKIN LOTIONS, HAIR TONICS, SHAMPOOS, HAIR POMADES, FACE, HAND AND SKIN CREAMS.
Claims use since Jan. 5, 1937.

388,345. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW DEAL WHOLESALE GROCERY COMPANY, INC., Hamtramck, Mich. Filed July 19, 1940. Serial No. 434,157.

DOBRA

FOR CANNED FRUITS, VEGETABLES, WHEAT FLOUR, AND SALT.
Claims use since Jan. 8, 1938, on canned fruits and vegetables; and since Jan. 2, 1939, on salt and flour.

388,346. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BATES MANUFACTURING COMPANY, Augusta, Maine. Filed Aug. 16, 1940. Serial No. 435,042.

WILTSHIRE

FOR SHEETS AND PILLOW CASES.
Claims use since Apr. 5, 1940.

388,347. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) HERCULES POWDER COMPANY, Wilmington, Del. Filed Aug. 24, 1940. Serial No. 435,358.

COLLIER C

FOR DYNAMITES.
Claims use since Feb. 29, 1932.

388,348. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DIAMOND WIRE & CABLE CO., Chicago Heights, Ill. Filed Oct. 11, 1940. Serial No. 436,837.

KORD-LOK

FOR ELEMENTS FOR GRIPPING AND ELIMINATING UNDUE STRAINS FROM INSULATED ELECTRIC WIRES.
Claims use since Apr. 10, 1940.

388,349. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GILMORE OIL COMPANY, Los Angeles, Calif. Filed Nov. 12, 1940. Serial No. 437,765.

BLU-GREEN

FOR STORAGE BATTERIES.
Claims use since Oct. 16, 1936.

388,350. (CLASS 38. PRINTS AND PUBLICATIONS.) FRITZ PUBLICATIONS, INC., Chicago, Ill. Filed Nov. 14, 1940. Serial No. 437,862.

PAPER AND PULP MILL CATALOGUE

ENGINEERING HANDBOOK

FOR ANNUAL PUBLICATION CONSISTING OF AN INDEX OF EQUIPMENT AND MATERIALS USED IN THE PAPER AND PULP INDUSTRY; AN INDEX OF TRADE NAMES OF PRODUCTS USED IN THE PAPER AND PULP INDUSTRY; A CATALOGUE SECTION COVERING MANUFACTURERS AND MACHINES RELATING TO THE PAPER AND PULP INDUSTRY; AN ENGINEERING HANDBOOK OF USEFUL INFORMATION FOR PAPER AND PULP MANUFACTURERS, AND A DIRECTORY OF INSTITUTIONS IN THE UNITED STATES AND CANADA, GIVING COURSES OF INSTRUCTION IN THE MANUFACTURE OF PAPER.
Claims use since 1938.

388,351. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ANDERSON BOX COMPANY, Indianapolis, Ind. Filed Dec. 13, 1940. Serial No. 439,263.

Even Heat

FOR ELECTRIC HOVER BROODERS.
Claims use since Dec. 15, 1937.

388,352. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) COLUMBIA RECORDING CORPORATION, New York, N. Y. Filed Jan. 15, 1941. Act of March 19, 1920, as amended June 10, 1938. Serial No. 439,689.

MASTERWORKS

FOR PHONOGRAPH RECORDS AND RECORD BLANKS.
Claims use since Sept. 5, 1939.

388,353. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BRICE H. LANTZ, doing business as Lantz Mfg. Co., Valparaiso, Ind. Filed Jan. 29, 1941. Serial No. 440,097.

LANTZ

FOR FARM IMPLEMENTS—SPECIFICALLY PLOW COLTERS, HAY FORKS, CHECK ROW PLANTER STAKES, AND GARDEN RAKES.
Claims use since 1923.

388,354. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) MET-L-TOP TABLES, INC., Chicago, Ill., and Milwaukee, Wis. Filed Feb. 4, 1941. Serial No. 440,288.

MET-L-TOP

FOR METAL IRONING TABLES AND IRONING TABLE TOPS.
Claims use since Apr. 3, 1940.

388,355. (CLASS 32. FURNITURE AND UPHOLSTERY.) PEERLESS STEEL EQUIPMENT COMPANY, Philadelphia, Pa. Filed Feb. 8, 1941. Serial No. 440,471.

PEERLESS

FOR STEEL OFFICE FURNITURE—NAMELY, STEEL FILING CABINETS, STEEL DESKS, AND STEEL TABLES.
Claims use since Jan. 13, 1930.

388,356. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BELLAMY ICE CREAM COMPANY, INC., Norfolk, Va. Filed Mar. 7, 1941. Serial No. 441,303.

BELLAMY'S "Kreamy Kind" ICE CREAM

FOR ICE CREAM.
Claims use since 1918.

388,357. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INDEPENDENT PNEUMATIC TOOL CO., Chicago, Ill. Filed Mar. 8, 1941. Serial No. 441,359.

COCHISE

FOR PNEUMATICALLY ACTUATED ROCK DRILLS, COMPRISING HAND-HELD SINKERS, MOUNTED DRIFTERS, PLUGGERS, AND STOPERS; PNEUMATICALLY ACTUATED PAVING BREAKERS; COLUMNS, STEEL, AND HOSE FOR ROCK DRILLS; AND PNEUMATICALLY ACTUATED CLAY DIGGERS AND PARTS AND ACCESSORIES THEREFOR.
Claims use since 1911.

388,358. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GROBET FILE CORP. OF AMERICA, New York, N. Y. Filed Mar. 15, 1941. Serial No. 441,574.

E. A. GROBET

FOR FILES, ENGRAVING TOOLS, PLIERS, AND TWEEZERS.

Claims use since Jan. 2, 1938.

388,359. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) WEST VIRGINIA MATCH CORP., Wheeling, W. Va. Filed Apr. 15, 1941. Serial No. 442,618.

HY-GRADE

FOR MATCHES.

Claims use since Jan. 2, 1925.

388,360. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MOHAWK CARPET MILLS, INC., Amsterdam, N. Y. Filed Apr. 25, 1941. Serial No. 442,963.

BRADLEE

FOR RUGS AND CARPETS.

Claims use since Apr. 1, 1940.

388,361. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MOHAWK CARPET MILLS, INC., Amsterdam, N. Y. Filed Apr. 25, 1941. Serial No. 442,965.

CROWNPOINT

FOR RUGS AND CARPETS.

Claims use since Apr. 1, 1940.

TRADE-MARK REGISTRATIONS RENEWED

19,515. **PURITY.** BEEF AND HOG PRODUCTS INCLUDING LARD AND TALLOW. Registered May 19, 1891. NELSON MORRIS & Co. Re-renewed May 19, 1941, to Armour and Company of Delaware, Chicago, Ill., a corporation of Delaware, successor.

141,644. **BLACK BEAR.** PATENT-LEATHER. Registered April 26, 1921. RADEL LEATHER MANUFACTURING Co., Newark, N. J., a corporation of New Jersey. Renewed April 26, 1941.

141,837. **AMPECO.** LEAD-PENCILS. Registered May 3, 1921. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Renewed May 3, 1941, to American Lead Pencil Company, Hoboken, N. J., a corporation of New York.

143,462. **TIGER ROSE.** TICKING. Registered May 31, 1921. SEARS, ROEBUCK AND Co., Chicago, Ill., a corporation of New York. Renewed May 31, 1941.

145,067. **REZISTAL.** STEEL BARS, RODS, BILLETS, BLOOMS, SHEETS, PLATES, SLABS, STRIPS, BLOCKS, FORGINGS, AND CASTINGS. Registered July 26, 1921. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed July 26, 1941, to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey.

145,598. **CAPITOL.** COFFEE, TEA, SPICES, SALTED PEANUTS, AND PEANUT-BUTTER. Registered August 16, 1921. THE ANDRUS-SCOFIELD COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed August 16, 1941.

145,988. **HONYO.** SYRUPS AND MOLASSES FOR FOOD PURPOSES, GLUCOSE, HONEY, AND INVERT SUGAR. Registered August 23, 1921. THE NULOMOLINE COMPANY, New York, N. Y., a corporation of New York. Renewed August 23, 1941.

146,380. **ORANGE BLOSSOM.** FINGER-RINGS. Registered September 6, 1921. TRAUB MANUFACTURING COMPANY, Detroit, Mich., a corporation of Michigan. Renewed September 6, 1941.

146,388. **PRIVATE STOCK.** NON-ALCOHOLIC NEAR BEAR, MALT TONIC AND SYRUP CONTAINING LESS THAN ONE-HALF OF ONE PER CENT. ALCOHOL BY VOLUME. Registered September 6, 1921. VAL BLATZ BREWING COMPANY. Renewed September 6, 1941, to Blatz Brewing Company, Milwaukee, Wis., a corporation of Wisconsin, by change of name.

146,597. **SANTE FE.** CANNED FRUITS, VEGETABLES, AND FISH; CEREALS, SYRUPS, FLAVORING EXTRACTS, TEA, COFFEE, AND OTHER FOODS. Registered September 13, 1921. THE RANNEY-DAVIS MERCANTILE COMPANY, Arkansas City, Kans., a corporation of Kansas. Renewed September 13, 1941.

146,802. **APLETS.** CANDY. Registered September 20, 1921. LIBERTY ORCHARDS COMPANY, Cashmere, Wash., a firm. Renewed September 20, 1941.

146,833. **METAGEN.** VITAMIN PRODUCTS FOR THERAPEUTIC ADMINISTRATION TO PROMOTE NUTRITION. Registered September 20, 1921. PARKE, DAVIS & COMPANY, Detroit, Mich., a corporation of Mich. Renewed September 20, 1941.

147,142. **PICK.** A CONCENTRATED MATERIAL OF MALT AND HOPS FOR MAKING A MALT BEVERAGE. Registered October 4, 1921. NEW ENGLAND BREWING COMPANY, Jersey City, N. J., and Boston, Mass. Renewed October 4, 1941, to Haffenreffer & Co., Inc., Boston, Mass., a corporation of Massachusetts, assignee by mesne assignments.

147,350. **LUCETTE.** CHILDREN'S, MISSES', AND LADIES' DRESSES. Registered October 11, 1921. HARRY J. LINSK. Renewed October 11, 1941, to H. Linsk & Co., Inc., Philadelphia, Pa., a corporation of Delaware, assignee.

147,422. **GLOSSILLA.** CERTAIN NAMED INSTRUCTION-BOOKS FOR ART-NEEDLEWORK. Registered October 11, 1921. BERNHARD ULMANN Co. INC., New York, N. Y., a corporation of New York. Renewed October 11, 1941.

147,447. **ADDRESSOGRAPH.** MACHINES FOR PRINTING ADDRESSES AND OTHER MATTER. Registered October 18, 1921. ADDRESSOGRAPH COMPANY, Chicago, Ill. Renewed October 18, 1941, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware, assignee by mesne assignments.

147,463. **BUFFALO.** COFFEE. Registered October 18, 1921. CHASE & SANBORN, Boston, Mass. Renewed October 18, 1941, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, assignee.

147,539. **ESCOTINE.** WORSTEDS IN THE PIECE. Registered October 25, 1921. THE ARDROSS WORSTED Co., Frankford, Pa., and New York, N. Y. Renewed October 25, 1941, to The Ardross Worsted Co., Philadelphia, Pa., a corporation of Pennsylvania.

147,618. **TASTER.** CANDY. Registered October 25, 1921. WALTER T. HALL & Co., Ottumwa, Iowa, a firm. Renewed October 25, 1941.

147,672. **FLAKEWHITE.** COOKING-FATS. Registered October 25, 1921. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed October 25, 1941.

147,695. **SD-STEELDUCT.** PIPES OR ELECTRIC CONDUITS TO CARRY ELECTRIC WIRES—NAMELY, RIGID STEEL CONDUITS. Registered October 25, 1921. THE STEELDUCT COMPANY, Youngstown, Ohio, a corporation of Ohio. Renewed October 25, 1941.

REISSUES

JUNE 17, 1941

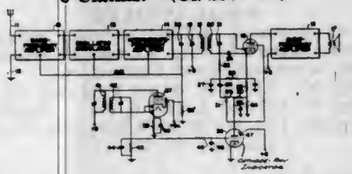
21,826

CONTROL NETWORK

Nelson P. Case, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Original No. 2,197,516, dated April 16, 1940, Serial No. 189,992, February 11, 1938. Application for reissue May 16, 1940, Serial No. 335,617

8 Claims. (Cl. 250—20)



5. In a carrier-signal receiver, a control network comprising, means for receiving a carrier-frequency signal, an amplitude limiter for limiting to a substantially constant value the maximum amplitude of signals translated thereby, a rectifier, a circuit sharply-selective to said carrier-frequency signal and coupling said limiter to said rectifier, means for applying said carrier-frequency signal to said limiter and rectifier, means for deriving directly from said rectifier a unidirectional control voltage for said receiver which is substantially free from residual variations in amplitude, and means for utilizing said control voltage to control an operating characteristic of said receiver.

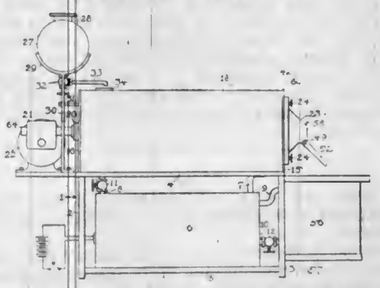
21,827

CONTINUOUS CONFECTION FREEZING APPARATUS

Charles Erickson and Erick Spellman, New York, N. Y.

Original No. 2,191,344, dated February 20, 1940, Serial No. 180,691, December 20, 1937. Application for reissue August 19, 1940, Serial No. 353,318

21 Claims. (Cl. 62—114)



1. An apparatus for continuously freezing ice creams, fluid custards and the like, comprising a fixed hollow cylinder, means for exteriorly cooling said cylinder to freeze the contents thereof, said cylinder having one end closed and being provided in the upper portion of the same with a receiving cup connected with the interior of said cylinder and also having at the other end a removable discharging head, a feed shaft rotatably disposed within the cylinder and connected through the closed end of the latter with an exterior power drive, there being a bearing in said closed end for said shaft and said shaft having a bearing at the other end in said discharging head, at least one agitating means secured upon the feed shaft below the general position of said receiving cup for agitating fluid entering the cylinder from said cup, a scraper secured on said feed shaft in approximately the same portion of the cylinder as said agitating means and having greater longitudinal extension than said latter means, and being further disposed at a different angular position with respect to the axis of the shaft than said means, there being also an opening in the discharging head allowing the rotation of the shaft to cause feeding of frozen mixture scraped by said scraper from the walls of said cylinder out through said opening in said head to the exterior of the apparatus, there being also means for supplying liquid creams, custards and the like to said receiving cup, and at least one additional scraper secured on the feed shaft intermediate said first scraper and the discharging head and formed with a definite screw pitch in order to feed the frozen mixture forward from said agitating means and said first mentioned scraper toward the discharging head, and further means secured upon the shaft extending into said head for forcing the frozen material received from said additional scraper through the opening in said head.

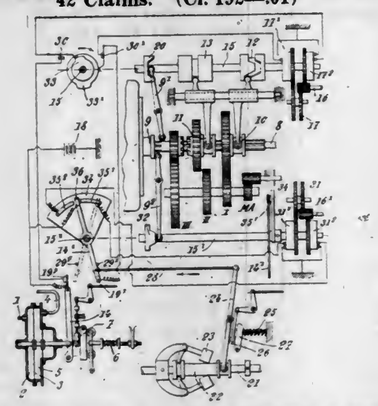
21,828

PROGRESSIVE CLUTCH CONTROL FOR AUTOMATIC GEAR SHIFTING SYSTEMS

Gaston Fleischel, Bieneau, France

Original No. 1,893,644, dated January 10, 1933, Serial No. 520,090, March 4, 1931. Application for reissue March 1, 1934, Serial No. 713,620

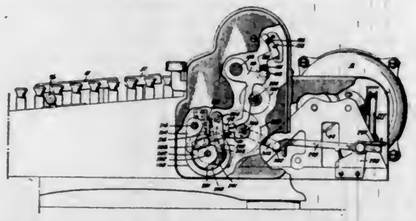
42 Claims. (Cl. 192—.01)



1. In a vehicle, a motor including a driving shaft, a driven shaft, a clutch for coupling said shafts in driving and driven relation, and a clutch control assembly including a rotatable shaft, a fly-wheel mounted in flexibly driven relation to

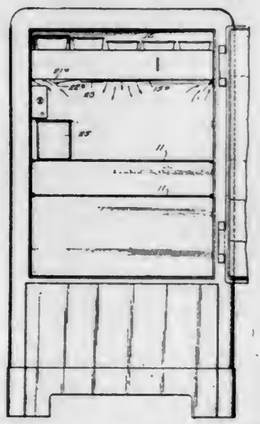
said shaft, and means operative by differences in speed between said last named shaft and said fly-wheel to displace said clutch.

21,829
CALCULATING MACHINE
Carl M. F. Friden, Pleasanton, Calif., assignor to Marchant Calculating Machine Company, Emeryville, Calif., a corporation of California
Original No. 2,142,892, dated January 3, 1939, Serial No. 252,175, February 6, 1928. Renewed February 15, 1938. Application for reissue April 3, 1940, Serial No. 327,732
14 Claims. (Cl. 235—62)



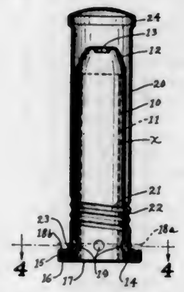
1. In a motor driven calculating machine, numeral wheels, a transversely displaceable carriage on which said wheels are mounted, a normally open switch in the motor circuit, manually operable means for closing said switch to initiate operation of the motor, means for shifting the carriage to the left actuated in response to the operation of said manually operable means, means operable by the shifting means for controlling said switch so as to cause continued operation of the motor, and means operable upon displacement of the carriage to its extreme left position for rendering said controlling means inoperative.

21,830
REFRIGERATING APPARATUS
Charles J. Gibson, Greenville, and Jens Touborg, Tecumseh, Mich., assignors to Gibson Electric Refrigerator Corporation, Greenville, Mich., a corporation of Michigan
Original No. 2,158,718, dated May 16, 1939, Serial No. 180,248, December 16, 1937. Application for reissue June 7, 1940, Serial No. 339,406
10 Claims. (Cl. 62—103)



1. In combination with a refrigerator having a food compartment: a horizontal surface type evaporator in the food compartment, said evaporator including an element in the form of a flat horizontally disposed plate forming a shelf in the food compartment, said plate having substantially the same cross-sectional area as the horizontal cross-sectional area of the food compartment; a food shelf below the evaporator; a drip baffle above the food shelf and below the evaporator, said drip baffle extending generally in parallelism with said plate and having a discharge opening; and a relatively tall deep drip receptacle with a relatively small cross-sectional area supported on said food shelf under said discharge opening.

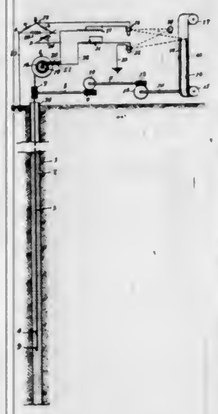
21,831
NASAL INHALER
Allan C. Hoffman, Milldale, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Original No. 2,191,015, dated February 20, 1940, Serial No. 157,710, August 6, 1937. Application for reissue October 30, 1940, Serial No. 363,580
1 Claim. (Cl. 128—198)



In an inhalant device, a container shell having one end formed with a tapering nozzle portion and the opposite end open for receiving an inhalant material therein, the apex of said nozzle end having a discharge aperture, a flange extending outwardly from the open end of said shell and having an upstanding peripheral wall defining an annular channel, a sealing gasket disposed within said channel, a closure cap covering the open end of said container shell and having a part overlying the upper edge of said peripheral wall and extending inwardly of said peripheral wall to embrace a portion of said gasket to retain the latter in place, said shell having ingress means adjacent said washer, and a cover means having detachable interlocking engagement with the intermediate portion of said shell and engaging said gasket for hermetically sealing said device.

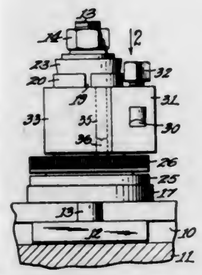
21,832
METHOD OF AND APPARATUS FOR ELECTRICALLY EXPLORING EARTH FORMATIONS
Frederick W. Huber, deceased, late of Riverside, Calif., by Schlumberger Well Surveying Corporation, Houston, Tex., assignee
Original No. 2,072,950, dated March 9, 1937, Serial No. 22,533, May 21, 1935. Application for reissue February 23, 1939, Serial No. 258,110
11 Claims. (Cl. 175—182)

1. In earth exploration, the method of determining the nature of the natural fluid contained in a porous formation traversed by a bore hole containing a conductive fluid, which comprises measuring and comparing variations in the electrical resistivity of the formation parallel and close to the bore hole where the formation is permeated with the conductive fluid of the bore



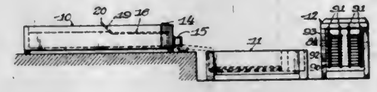
hole and parallel to but spaced from the bore hole a distance greater than the distance of penetration of the bore hole fluid from the bore hole into the formation.

21,833
TOOLHOLDER
John R. Jackson, Boston, Mass.
Original No. 2,168,162, dated August 1, 1939, Serial No. 187,787, January 31, 1938. Application for reissue July 16, 1940, Serial No. 345,864
11 Claims. (Cl. 82—36)



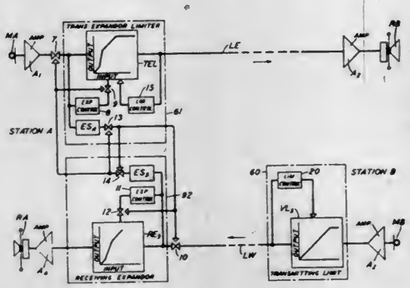
1. In a tool post, the combination with a base and rod projecting vertically upwardly therefrom, of a clamping member having a central passage for receiving the rod and provided with an upwardly extending cylindrical diametrically slotted member having an external clamping surface, means for expanding said clamping surface, a tool holder surrounding said member, a disc surrounding the bottom of said clamping surface having a radial pin extending into the slot in said member for holding it against rotation, and a knurled nut at the bottom of said clamping surface screwthreadedly connected with said disc for adjusting the elevation of the tool holder.

21,834
METHOD FOR MAKING CHEESE
Raymond Miollis, Elmwood Park, Ill.
Original No. 2,193,462, dated March 12, 1940, Serial No. 213,142, June 11, 1938, which is a division of Serial No. 147,837, June 12, 1937. Application for reissue April 10, 1940, Serial No. 329,004
9 Claims. (Cl. 31—89)



1. The method of making natural cheese, which comprises treating a relatively large batch of milk or the like to form curds, while partially draining the whey therefrom, transferring the batch to a molding vat, initially in each instance horizontally supporting said batch in said vat, applying pressure uniformly distributed on the top surface of said batch to express whey from said batch to reduce it to a semi-solid mass of uniform thickness, and cutting said batch to form portions of uniform shape and size while the said batch is so supported to thereby form a plurality of individual and independently supportable cheeses.

21,835
CONTROL OF TRANSMISSION IN TWO-WAY TELEPHONE SYSTEMS
Doren Mitchell, Bound Brook, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original No. 2,213,991, dated September 10, 1940, Serial No. 255,223, February 8, 1939. Application for reissue November 30, 1940, Serial No. 368,093
19 Claims. (Cl. 178—44)



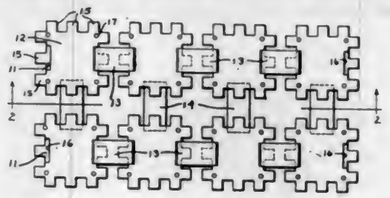
13. A two-way telephone transmission system including a four-wire circuit consisting of two normally operative, one-way telephone transmission paths for repeating telephone signals in opposite directions, a limited volume range expander in each of said paths near its output, responsive to applied telephone signals to increase the transmitting efficiency of that path and independent voice-operated switching devices respectively connected to each path at a point adjacent the input of the expander therein, responsive to telephone signals received from that path to decrease the transmitting efficiency of the other path at a point near its input.

21,836
FLUE STRUCTURE

Winton A. Ticknor, Corning, N. Y., assignor, by mesne assignments, to Corning Glass Works, Corning, N. Y., a corporation of New York

Original No. 2,103,602, dated December 28, 1937, Serial No. 104,281, October 6, 1936. Application for reissue June 7, 1940, Serial No. 339,407
15 Claims. (Cl. 263—51)

1. In a regenerative furnace flue structure, a plurality of solid refractory units piled one upon another to form checker columns and being provided with projecting fins which increase the side wall area, the fins of superposed units being in vertical alignment and means cooperating only with occasional units for tying the columns together in a definite spaced relation with respect to each other, the remaining units being so spaced with respect to the other that the entire side



wall area thereof remains exposed to gases passing through the flue.

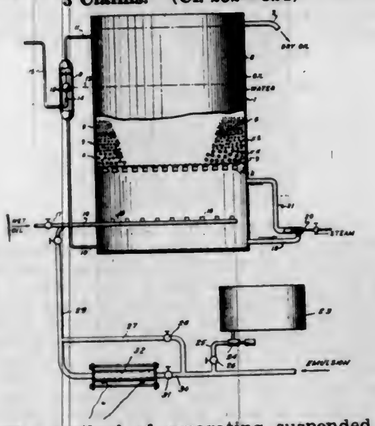
PATENTS

GRANTED JUNE 17, 1941

2,245,551
METHOD OF SEPARATING WATER FROM OIL

Gale L. Adams, Los Angeles, Roy G. Barlow, Whittier, and Abraham Shapiro, Los Angeles, Calif., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

Application June 1, 1937, Serial No. 145,826
3 Claims. (Cl. 252—324)

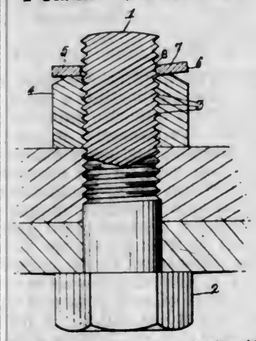


1. The method of separating suspended free water from oil which comprises: upwardly passing oil containing droplets of free water through a stationary mass of glass fragments; maintaining said fragments immersed in a body of water; causing said water droplets to agglomerate with said water body within said mass; removing separated oil from above said mass; so regulating the upward velocity of said oil within said mass as to permit said water body to move gradually downwardly through said mass as said water body increases in bulk by said agglomeration, and withdrawing water only from below said mass.

2,245,552
NUT LOCK

Harry R. Ausman, Milwaukee, Wis., assignor of two-thirds to Joseph M. Picker and Rudolf W Riegner, both of Milwaukee, Wis.

Application September 12, 1938, Serial No. 229,521
1 Claim. (Cl. 151—30)

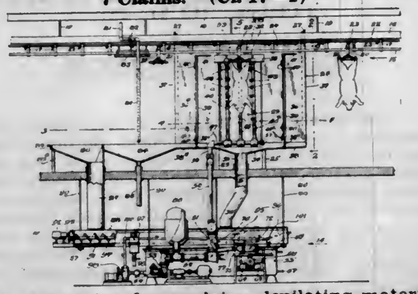


A locking disk having a substantially central opening, an angular portion at one side of the disk, a tapered bite portion at one side of the opening and the remaining wall of the opening having an unbroken surface, the center of said bite portion being substantially the center of the angular portion, and said bite portion extending circumferentially of the opening with one of its tapered faces longer than the other.

2,245,553
APPARATUS FOR APPLYING DEPILATING MATERIAL ON CARCASSES

Oscar Biedermann and Frank J. Bilek, Chicago, Ill., assignors to The Globe Company, Chicago, Ill., a corporation of Illinois

Application January 19, 1939, Serial No. 251,860
7 Claims. (Cl. 17—1)

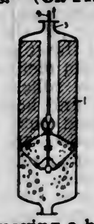


1. Apparatus for applying depilating material to carcasses comprising a treatment cabinet, a rail extending through the cabinet, carcass suspending trolleys, means to propel the trolleys through the cabinet, a multiplicity of depilating material projecting elements in the cabinet, supply pipes therefor, a pump and a pipe-line having branches connecting the pump with the supply pipes, a supply control valve in said pipeline, fluid pressure operated valve mechanism, electro-magnetic means to control said valve actuating mechanism, and electric control means for said electro-magnetic means actuated by said trolleys, whereby depilating material is pumped to the depilating material projecting elements and projected on carcasses while traveling through the treatment cabinet.

2,245,554
HYDRAULIC DISRUPTION OF SOLIDS

William Frederick Court, Webster Groves, Mo., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application February 21, 1938, Serial No. 191,685
5 Claims. (Cl. 141—1)



1. A method of removing a body of coke from a vertical cylindrical reaction chamber which is

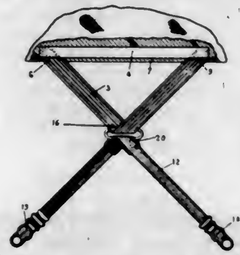
open at the top and at the bottom, comprising the steps of cannulating the body of the coke substantially at the center thereof, enlarging the opening thus formed by means of a jet of water directed outwardly therefrom in a plurality of successive orientations and at progressively different levels and disrupting the body of the coke by directing a substantially confined jet outwardly and a second jet upwardly and outwardly from an origin which is below the origin of the first jet, said disrupting jets having a velocity sufficient to cut the body of coke to produce lumps, said jets being directed in a plurality of successive orientations and at progressively higher levels.

2,245,555
METHOD OF MANUFACTURING STEREOTYPE MATS
Franklyn E. Davenport, Watertown, N. Y., assignor to Knowlton Brothers, a corporation of New York
Application January 8, 1938, Serial No. 184,113
3 Claims. (Cl. 41—25)



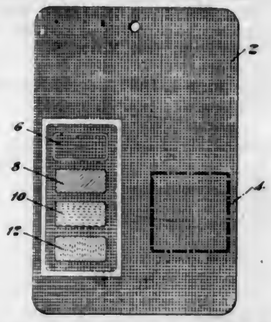
1. The method of making a stereotype mat comprising forming an absorbent fibrous felted foundation, coating the face opposite the type engaging surface with a layer of normally hard and tough thermoplastic material, and compressing under heat a type form against the side opposite the coating layer, causing said thermoplastic material to impregnate the foundation and the impregnated foundation to be impressed with the type form.

2,245,556
STOCKING AND SHOULDER SUPPORT
Edna Mae Ellison, Portland, Oreg., assignor of one-half to Erva G. Kerrigan, Portland, Oreg.
Application October 4, 1939, Serial No. 297,903
2 Claims. (Cl. 241—6)



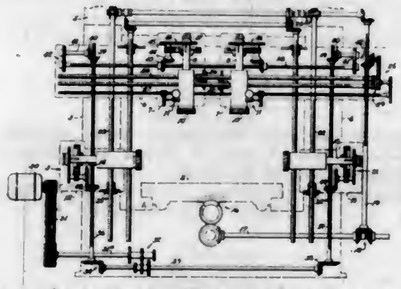
1. In a device of the class described, the combination of a link, said link having rounded ends and parallel sides with the sides being spaced apart, a roller extending along and rotatably mounted upon each of the parallel sides and each end of each of the rollers being flared, a top member and a bottom member trained about the respective cylindrical rollers, a wearing member secured to the top and bottom members where the same engage and pass about the rollers, a cross support secured to the top member at the ends of the cross support and at the ends of the top member, and fasteners hingedly secured to the ends of the bottom member and the spacing of the sides of the link being such as to prevent the passing of the fasteners disposed upon the ends of the bottom member passing therebetween.

2,245,557
APPARATUS FOR TESTING USED LUBRICATING OILS
John J. Franzman, Freeport, N. Y., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
Application December 22, 1938, Serial No. 247,143
3 Claims. (Cl. 88—14)



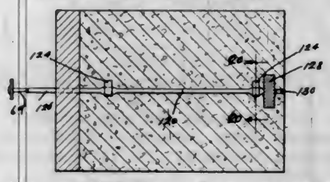
1. A device for testing used lubricating oils comprising a plate provided with a plurality of colored areas corresponding to colors ordinarily acquired by used lubricating oils, each of said colored areas being surrounded by black surface, a black surface area on said plate upon which a quantity of used lubricating oil can be deposited and by which no oil will be absorbed or dissolved, whereby the color indicated by the used oil placed upon said black surface area may be compared as to color with any one of the said colored areas.

2,245,558
MILLING MACHINE
John R. Johnson, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application January 25, 1940, Serial No. 315,456
2 Claims. (Cl. 90—16)



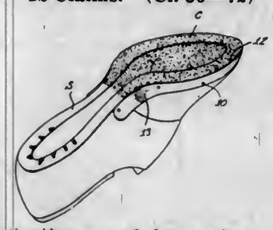
1. A planer type milling machine having, in combination, a bed supporting a work table, upstanding columns at opposite sides of the bed, a crossrail slidable transversely on said columns, milling heads slidable vertically on said columns below said rail and each having a horizontal cutter spindle projecting toward said table, vertical spline shafts on said columns, means providing driving connections between said spindles and said shafts each including a power take off gear splined on the associated shaft, a power driven shaft rotatably mounted below said table, gearing at opposite ends of said power shaft coupling the latter to said spline shafts, a milling head slidable along said rail and having a downwardly projecting cutter spindle, a spline shaft journaled on said rail and having a power take off gear splined thereon and drivingly connected to the rail spindle, and sets of gearing providing normally engaged driving connections between opposite ends of said rail shaft and the upper end of each of said vertical shafts whereby two mechanical drive connections are extended through the respective vertical shafts to the power take off gears of each of said spindles.

2,245,559
WALL FORM TIE
Carl A. Kinninger, Dayton, Ohio, assignor of one-half to Arthur M. Kinninger, Dayton, Ohio
Application November 29, 1933, Serial No. 700,207
27 Claims. (Cl. 25—131)



1. In the construction of a concrete wall formed intermediate spaced forms held in spaced relation by tie rods, the method of construction including embedding a sealing unit within the concrete wall through which the rod passes, and removing a portion of the rod extending through the sealing unit so as to permit the sealing unit to seal the aperture vacated by the rod extending therethrough.

2,245,560
PROTECTIVE GUARD FOR SHOES
Louis F. Marino, Boston, Mass., assignor to George R. Long, Boston, Mass.
Application November 10, 1939, Serial No. 303,807
12 Claims. (Cl. 36—72)



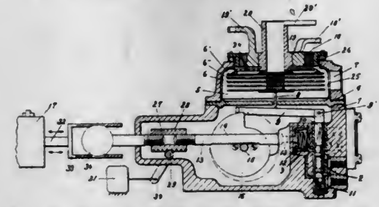
1. A protective guard for a shoe or the like having a turned-in portion at the upper edge of said guard that extends in solid, unbroken formation uninterruptedly around said upper edge, to the extremities thereof, the end extremity portions of said guard extending in the same general direction as the longitudinal axis of said guard.

2,245,561
COATED CONTAINER
Victor Nelson and Alexander C. Herro, Oconomowoc, Wis., assignors to Carnation Company, Oconomowoc, Wis., a corporation of Delaware
No Drawing. Application February 8, 1939, Serial No. 256,099
4 Claims. (Cl. 220—64)

1. A can or container of so-called tin-plate material for containing food products comprising bottom and side walls of sheet ferrous material having an integral, regular thin surface coating of tin, the interior surfaces of said can being provided with an additional protective coating adapted to resist etching, discoloration and corrosion by the food products, said additional protective coating comprising a film of a sulfide of tin formed by subjecting said tin surfaces to chemical contact with a strong sulfidizing reagent.

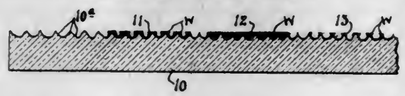
4. A can or container having an interior surface formed of tin, said interior surface being uniformly coated with a protective film of tin sulphide.

2,245,562
CONTROLLING DEVICE FOR INTERNAL COMBUSTION ENGINES
Ewald Becker, Berlin-Steglitz, Germany, assignor to Askania-Werke A. G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau, a corporation of Germany
Application July 30, 1937, Serial No. 156,571
In Germany August 1, 1936
9 Claims. (Cl. 123—140)



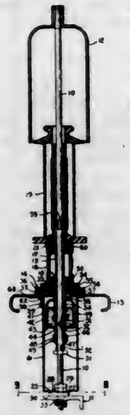
1. A controlling device for the fuel supply means of internal combustion engines, comprising a casing divided into two parts by a wall forming an insulated chamber in one part, a bellows system provided in the insulated part of the casing and forming a pressure responsive device, a pilot valve in the other part of the casing, a piston in the other part of the casing controlled by said pilot valve, a rod connected to the piston and extending through the casing to the fuel supply means, means extending from the insulated part of the casing for transferring the movement of the bellows system to the pilot valve, and a cam in the other part of the casing operatively connected to the transfer means to return the pilot valve by the transfer means to its initial position after a displacement of the piston due to a movement of the bellows system.

2,245,563
PHOTOGRAPHIC LIGHT CONTROLLING ELEMENT
Per Johan Berggren, New York, N. Y.
Application October 6, 1937, Serial No. 167,538
3 Claims. (Cl. 95—101)



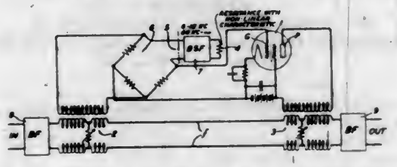
1. A photographic light controlling printing element through which a negative is to be exposed onto a sensitized surface for printing comprising a thin sheet of basically transparent material having a finely and evenly ground surface and a readily removable smudge-proof translucent wax-like material applied on the ground surface, at the desired areas thereof through which light is transmitted to the image areas of the negative, in desired graduated quantities to render the ground surface light transmitting in desired degrees.

2,245,564
SPINDLE LUBRICATING MEANS
Richard F. Bergmann, Lakewood, and Clarence C. Walters, Fairview Village, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application February 29, 1940, Serial No. 321,488
19 Claims. (Cl. 57—133)



1. Means for lubricating a mechanism including a shaft about which is disposed, for reciprocation with respect thereto, a sleeve upon which is rotatably mounted a member capable of rotation about the axis of said shaft comprising a lubricant reservoir mounted upon the shaft; at least one opening in the shaft; means operating through the agency of said sleeve for supplying lubricant to the shaft during relative reciprocation of said shaft and said sleeve and transmitting a portion of the lubricant from the lubricant reservoir to the opening in the shaft; and means for effecting lubrication of the bearing surfaces of the member rotatably mounted on said sleeve while directing the lubricant back to the lubricant reservoir.

2,245,565
WAVE TRANSLATING SYSTEM
Harold S. Black, Elmhurst, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 27, 1938, Serial No. 210,333
11 Claims. (Cl. 179—171)



1. A wave translating system comprising a closed feedback loop, an active transducer included in said loop, means included in said loop for producing negative feedback around said loop of signal waves of a given frequency range, amplitude discriminating means for connection to said loop to limit the amplitude of waves passing around said loop, and frequency selective means for connecting said amplitude discriminating means to said loop, said frequency selective means having its attenuation for transmission from said loop to said amplitude discriminating means high throughout the signal frequency range, but low over a wide frequency range exclusive of the signal frequency range.

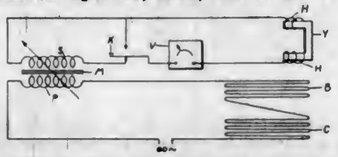
2,245,566
WELDING ROD
John W. Bolton, Hamilton, Ohio, assignor to The Lunkenheimer Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application February 2, 1940, Serial No. 317,005
6 Claims. (Cl. 219—8)

5. A new article of manufacture comprising a cast ternary alloy of nickel, chromium and silicon, said silicon being in the proportion of 6% to 12%, said chromium in the proportion of 9% to 30%, and the balance nickel.

2,245,567
MANUFACTURE OF UNSATURATED KETONES
Joseph H. Brant and Rudolph Leonard Hasche, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 23, 1939, Serial No. 280,808
15 Claims. (Cl. 260—593)

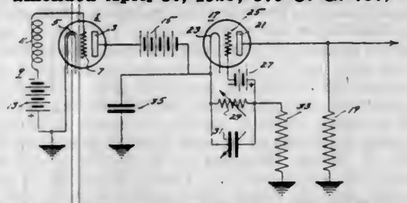
1. A process for the reaction of at least one ketone with another material essentially comprising formaldehyde which comprises preparing a vaporous mixture of the ketone and the other material, reacting the mixture in the presence of a highly absorptive substantially solid material as a catalyst, conducting the reaction at temperatures greater than 200° C. but less than 800° C. and cooling the resultant reaction materials containing unsaturated ketone.

2,245,568
METHOD OF AND APPARATUS FOR EXAMINING FERROMAGNETIC ARTICLES
Robert H. Canfield, Washington, D. C.
Application January 11, 1939, Serial No. 250,383
12 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



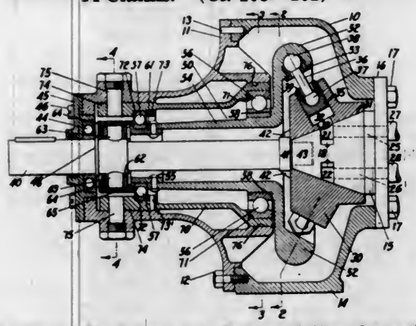
1. A method of detecting cracks, flaws or seams in articles made of ferromagnetic materials comprising, magnetizing the article in an alternating field, arranging a magnetic shunt adjacent said article so that the flux in said shunt is coupled with eddy currents generated in said article, associating a coil with said shunt in such a manner that magnetic flux flowing through said shunt will induce an alternating voltage in said coil, separating said induced voltage into two components, one of said components being in phase and one in quadrature with the flux in said article, and varying the coupling between said shunt and said article until said quadrature component is much larger than said in-phase component, the component in quadrature being a measure of the resistance to eddy current flow existing in the article in the region adjacent said shunt and therefore an indicator of flaws existing in that region.

2,245,569
KEY-CLICK ELIMINATOR CIRCUIT
Gilbert W. Cattell, Berkeley, Calif.
Application October 17, 1938, Serial No. 235,439
14 Claims. (Cl. 250—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



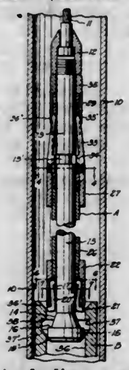
1. A receiving circuit for discriminating between desired signals and undesired signals of shorter duration normally receivable at the same frequency adjustment of the circuit, comprising an electron discharge device responsive to transmit signals, a second electron discharge device capable of transmitting signal energy received from the said first electron discharge device, and means operated by signal energy transmitted by said first discharge device for biasing said second discharge device responsive to transmit signal energy received from said first device only after a predetermined portion of each desired signal has elapsed, said predetermined portion being of a time duration substantially equal to the maximum duration of an undesired signal and in time registry therewith.

2,245,570
FLUID PRESSURE DEVICE
Hugo A. Centervall, Eslov, Sweden, assignor to Manly Corporation, New York, N. Y., a corporation of Delaware
Application May 20, 1938, Serial No. 209,030
14 Claims. (Cl. 103—161)



14. In a fluid pressure device of the character set forth, a shaft, a cylinder assembly unit journalled for rotation about the axis of said shaft and coupled to said shaft for rotation therewith, the cylinders of said unit being inclined to the axis of rotation, a crank arm having a universal driving connection with said shaft at a point removed from said cylinder assembly unit and in the direction of the inclination of the cylinders, said crank arm being journaled in a member having a pivot axially in line with said universal connection and a slidably supported surface positioned at a point intermediate the cylinder assembly unit and the universal joint for rotation about an axis inclined to the axis of rotation of the cylinder assembly unit and operating connections between said crank arm and said cylinders.

2,245,571
FISHING TOOL
James F. Chappell, Mineola, Tex.
Application February 16, 1939, Serial No. 256,643
11 Claims. (Cl. 294—96)

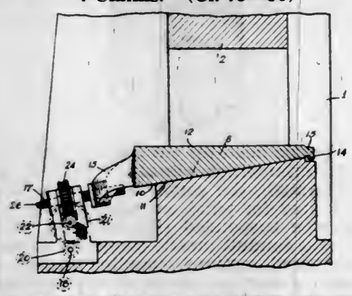


1. A fishing tool including, a support, gripping means slidable on the support and co-acting therewith so as to be expansible and retractible radially thereof, latching means on the support and associated with the gripping means for latching said gripping means in a retracted position, and means arranged to be lowered from the surface and adapted to be engaged over the latching means externally of the support for positively holding the same in its latched position.

2,245,572
PROCESS OF PREPARING ARSANILIC ACID
Walter G. Christiansen, Glen Ridge, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application June 7, 1938, Serial No. 212,291
3 Claims. (Cl. 260—442)

1. The process of preparing arsanilic acid which comprises slowly adding arsenic acid to an excess of aniline which has been heated to about 82° C., while agitating, then rapidly heating to a temperature of about 155 to about 160° C., and maintaining that temperature for about four to five hours.

2,245,573
FORGING PRESS
William W. Criley, Cleveland, Ohio, assignor to The Ajax Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 29, 1938, Serial No. 187,715
7 Claims. (Cl. 78—36)



7. A vertical die press comprising in combination a frame, a work space therein, openings in

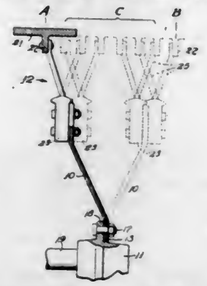
the front and rear of said frame to said work space, a die adjusting wedge at the bottom of said work space, a pair of arms extending outwardly, downwardly and sidewardly from the end of said wedge, means connecting the arms to said frame, and synchronous power means for operating such connecting means.

2,245,574

VARIABLE TRACK WHEEL CONSTRUCTION

Russell H. Danhaus, Quincy, Ill., assignor to Electric Wheel Co., Quincy, Ill., a corporation of Illinois

Application November 22, 1937, Serial No. 175,746
4 Claims. (Cl. 301—9)



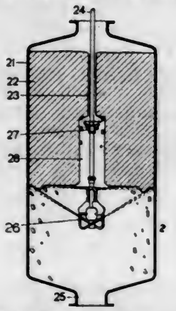
1. A wheel construction of the character described comprising, in combination, a hub, a wheel body reversibly connected to said hub, a traction rim of substantially greater diameter than said body, and a plurality of radial spokes connected to said rim having the opposite ends thereof relatively offset in a direction axially of the wheel and adapted for connecting said rim to said body in a plurality of different selective track positions in each position of said body upon said hub.

2,245,575

HYDRAULIC DISRUPTION OF SOLIDS

William Frederick Court, Chicago, Ill., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application August 14, 1939, Serial No. 289,955
10 Claims. (Cl. 299—69)



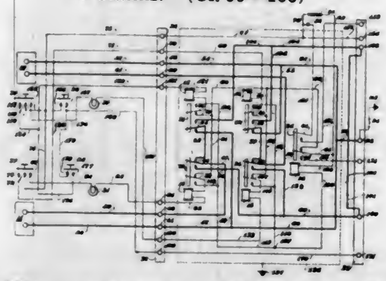
4. In a nozzle head for cutting through a body of solid material which contains a vertical opening therethrough, the combination of a conduit means adapted for axial connection with a liquid feed pipe suspended through said vertical opening, said conduit means comprising two axially juxtaposed sections, coupling means connecting said sections, a hollow rotor including reaction nozzles rotatably mounted on and housing a portion of the first and upper section; the second and lower section comprising an enlarged hollow housing in flow communication with and positioned at the lower end of said conduit means, a pair of curved conduits in flow communication with and extending from said enlargement and terminating substantially above said enlargement and adjacent said conduit means, said curved conduits being positioned diametrically to each other with respect to said conduit means, reaction nozzles in flow communication with said curved conduits constructed and arranged to discharge confined jets of liquid in a direction substantially perpendicular to the axis of said conduit means whereby a turning moment is imparted to said conduit means by the flow of liquid through said reaction nozzles, means for adjusting the radial distance of said curved conduits from said conduit means whereby the rate of rotation of said conduit means may be controlled, a second pair of conduits in flow communication with and extending arcuately from said enlarged housing and terminating substantially below said enlargement, reaction nozzles in flow communication with said arcuated conduits arranged and disposed to discharge substantially confined jets of liquid in a direction tending outwardly and upwardly from said enlargement, reinforcing plates mounted on said enlargement and immediately adjacent each of said curved conduits, and extending radially outwards and upwards at least as far as the radial extent of said aforementioned conduits and reaction nozzles.

2,245,576

METHOD OF PROTECTING AND PRESERVING FOOD PRODUCTS

Arnold C. Dickinson, Lunenburg, Mass., and Philip Bliss Myers, Scarsdale, N. Y., assignors to Sardik Incorporated, Jersey City, N. J., a corporation of Delaware

No Drawing. Application February 11, 1939, Serial No. 255,860
8 Claims. (Cl. 99—166)



1. The improvement in the art of protecting and preserving food products which consists in applying to the exposed surfaces thereof a jelly-like coating containing as an active ingredient a metal pectinate toxic to bacteria.

2,245,577

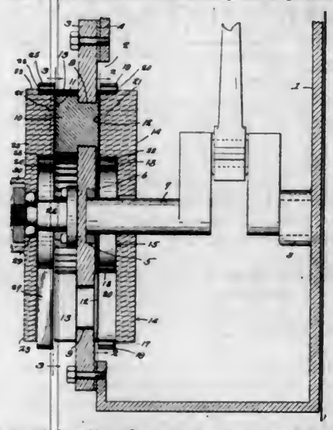
MOTOR

Frederick C. Dieckman, Rome, Ind.

Application February 13, 1940, Serial No. 318,762
2 Claims. (Cl. 172—120)

1. The combination with a structure having an opening, and a driven shaft in the structure, of a motor including a flat, nonmagnetic plate closing the opening and providing a bearing for one end of the shaft, said plate being imperforate at the point of bearing, an annular series of

parallel cores extending through and having a gas-tight fit within the plate and having ends exposed within the structure and positioned in a plane perpendicular to the axis of rotation of the shaft, the outer ends of said cores projecting outwardly from the structure, said outer ends being provided with the motor windings, and a rotor at each side of the plate, one rotor being secured to the shaft at one side of the plate, said rotor including a disk, cores extending laterally from the disk and terminating in a plane close to



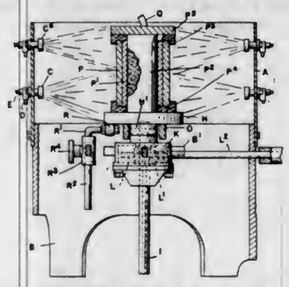
and parallel with the plane occupied by the adjacent ends of the stator cores, and motor windings on the cores of the rotor, and the other rotor being mounted for rotation at the other side of the plate about an axis coaxial with the shaft, said last named rotor including a disk, cores extending laterally therefrom toward the stator and terminating in a plane close to and parallel with the plane occupied by the adjacent ends of the stator cores, and induction motor windings on the cores of said last named rotor.

2,245,578

APPARATUS FOR RAPIDLY COOLING BEARINGS AND THE LIKE

Winfield S. Enderich and Charles E. Eggenschwiler, Detroit, Mich., assignors to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan

Application March 4, 1940, Serial No. 322,258
5 Claims. (Cl. 266—6)



1. The combination with an annular casing, of a circumferential series of radially inwardly directed jet nozzles mounted on said casing, each nozzle being adapted to form a thin fan-shaped jet in an axial plane, and means at the center of said casing for supporting and relatively rotating work to be chilled, said jets impinging upon closely spaced parallel lines in the surface of the work and extending throughout the length thereof.

2,245,579

PROCESS OF PREPARING ACTIVATED CARBON

Raymond G. Davis, Bellevue, Del.

No Drawing. Application August 11, 1938, Serial No. 224,262
1 Claim. (Cl. 252—286)

A process for producing activated carbon comprising heating cellulosic material with more than an equal weight of a chemical activating agent selected from the group consisting of phosphoric acid, sulfuric acid, and zinc chloride, leaching the activating agent from the carbon with water, said heating being conducted at a relatively low temperature and for a period of time such that the carbon has high activity prior to the substantial removal of the leaching water but loses its activity rapidly when dried at temperatures above room temperature, the activity approaching zero when the carbon is so-dried completely, contacting the carbon while still containing a large amount of the leaching water with a water miscible readily volatile organic solvent for a period of time sufficient to displace and dissolve water from the carbon, separating the resulting solution of the solvent and water from the carbon, maintaining the temperature at a value not substantially above room temperature during said contacting and separating steps, and thereafter evaporating the residual volatile solvent from the carbon.

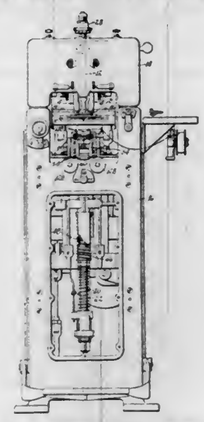
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*2,245,580

SHOE MACHINE

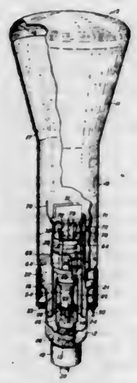
Fred C. Eastman, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application July 31, 1940, Serial No. 348,861
54 Claims. (Cl. 12—10)



1. In a shoe machine, the combination with means for laying the marginal portion of an upper inwardly over an insole on a last and for pressing it on the insole heightwise of the last, of a shoe-positioning device located opposite the bottom of the shoe, a shoe rest for holding the shoe against said device, said shoe rest being yieldable to permit heightwise movement of the shoe in response to pressure of said overlaying means on the upper, and spring means for controlling said shoe-positioning device and for moving it with the shoe if the shoe is thus moved by the pressure of the overlaying means.

2,245,581
ELECTRON DISCHARGE DEVICE
Sture O. Ekstrand, Ridgefield Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 2, 1939, Serial No. 307,231
8 Claims. (Cl. 250—162)



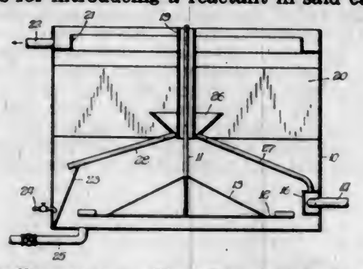
1. A unitary electrode assembly for electron discharge devices comprising a stem, a platform supported above said stem and having a central aperture and a recess coaxial with said aperture, guide means carried by said platform and coaxial with said aperture, a cathode fitted in said aperture, an electrode coaxial with said cathode and having a tubular portion seated in said recess and secured to said platform, and a second electrode having a tubular portion positioned by said guide means in coaxial relation with said cathode and said first electrode.

2,245,582
PROCESS FOR THE MANUFACTURE OF UNSATURATED ALDEHYDES
Milton Gallagher, Louisville, Ky., and Rudolph Leonard Hasche, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 28, 1938, Serial No. 232,160
16 Claims. (Cl. 260—601)

16. A process for producing unsaturated aliphatic aldehydes which comprises conducting a mixture containing at least two different aliphatic aldehydes in the vapor phase into contact with a solid dehydrating catalyst maintained at a temperature, at least part of the time, whereby the reaction will take place under vapor phase conditions.

2,245,583
LIQUID TREATING PROCESS AND APPARATUS
Walter H. Green, Chicago, Ill., assignor to International Filter Co., Chicago, Ill., a corporation of Delaware
Application June 2, 1938, Serial No. 211,362
11 Claims. (Cl. 210—16)

1. Apparatus of the type described, comprising a substantially cylindrical tank, an agitator in the bottom of the tank, an open-ended casing in the lower portion of said tank, means for introducing liquid to be treated in said casing, means for introducing a reactant in said casing,



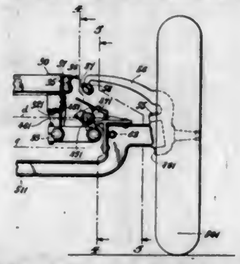
and baffle means positioned in said tank above said agitator.

2,245,584
WELDED-SELVAGE SCREEN CLOTH LOOM
Noah S. Harter, Waukegan, Ill., assignor to Cyclone Fence Company, a corporation of Illinois
Application June 5, 1939, Serial No. 277,539
27 Claims. (Cl. 140—7)



1. In a wire fabricating machine, means for interweaving warp wires and weft wires, means for bringing the weft wires' ends into line parallel to the warp wires, means for forming the ends of the interwoven weft wires so as to project them out of the plane of the interwoven body, and means for turning the formed portions of the weft wires substantially into the plane of the interwoven body by turning the formed portions about an axis of rotation coincident with the longitudinal axis of each picket.

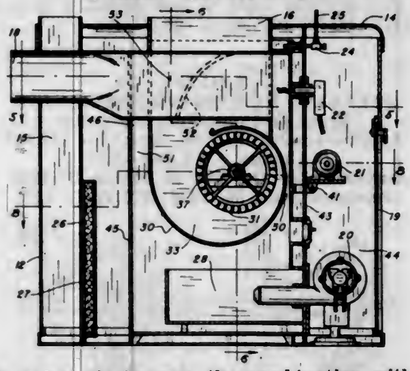
2,245,585
VEHICLE SPRING SUSPENSION
Albert F. Hickman, Eden, N. Y., assignor to Hickman Pneumatic Seat Co., Inc., Eden, N. Y., a corporation of New York
Application February 27, 1934, Serial No. 713,161
20 Claims. (Cl. 267—57)



1. A vehicle spring suspension comprising: a frame; a spindle having a wheel journaled thereon; an axle pivot located approximately in a horizontal plane intersecting the component of the sprung-weight center of gravity which is situated in the same vertical transverse plane as

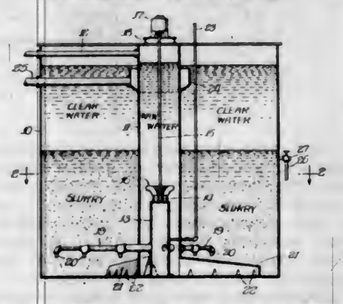
said spindle; means connecting said axle pivot with said spindle; and resilient means connecting said axle pivot with said frame.

2,245,586
HOT AIR HEATING FURNACE
Gustave R. Holmann, Seattle, Wash.
Application February 9, 1940, Serial No. 318,151
1 Claim. (Cl. 126—110)



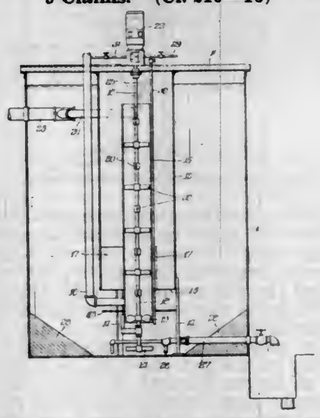
In a hot air furnace, the combination with a cabinet forming a cold air chamber and an interior spaced housing forming a combustion chamber, a fire-box in the bottom of the housing and a heating unit therefor, of a casing mounted in and spaced from the housing, said casing having an interior flange and a rounded bottom forming an involute wall which terminates within the casing, a center-intake air impeller mounted in the casing beneath said flange, a cold air feed tube located at each end of the impeller and mounted in adjoining walls of the housing and casing, an outlet flue communicating with the combustion chamber and extending transversely through said casing a portion of the combustion chamber and a portion of the cold air chamber, and a pair of curved deflecting walls located at the opposite sides of the flue within the upper part of the casing for directing hot air currents.

2,245,587
LIQUID TREATING APPARATUS
Walter J. Hughes, Chicago, Ill., assignor, by mesne assignments, to Infilco Inc., a corporation of Delaware
Application June 5, 1936, Serial No. 83,662
24 Claims. (Cl. 210—16)



1. In the softening of water by a process which includes precipitating hardness-imparting constituents therefrom, the steps which comprise maintaining a pool of slurry in the lower portion of a column of water, circulating a portion of said slurry through a mixing zone, mixing together in said mixing zone an amount of raw water, a precipitant and said circulated slurry, percolating water out of the resulting mixture upwardly through said pool of slurry, and withdrawing clear water from above said slurry.

2,245,588
LIQUID TREATING APPARATUS AND PROCESS
Walter J. Hughes, Chicago, Ill., assignor to International Filter Co., Chicago, Ill., a corporation of Delaware
Application April 30, 1938, Serial No. 205,305
9 Claims. (Cl. 210—16)

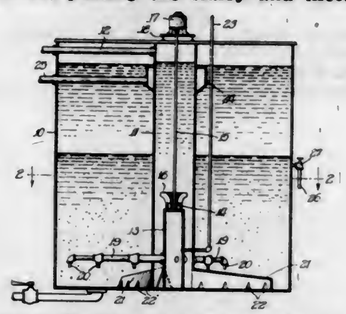


1. Apparatus of the type described, comprising a tank, inner and outer housings extending upwardly in said tank forming mixing and circulating compartments and communicating adjacent their upper portions, one of said housings having an inlet communicating with the lower portion of said tank and said other housing having an outlet discharge into said tank above said inlet and spaced substantially below the top of said tank, means including a rotatably driven stream-projecting impeller for circulating water from the lower portion of said tank upwardly through said one housing, downwardly through said other housing, downwardly through the lower portion of said tank, and back to said one housing and for maintaining particles in the circulated water in suspension, means for adding water and a precipitation substance to said circulating liquid, means for withdrawing clarified water from said tank at a point spaced substantially above the outlet for said other housing, and a waste outlet from said tank substantially below said clarified water withdrawal means.

2,245,589
LIQUID TREATMENT (CLARIFICATION)
Walter J. Hughes, Chicago, Ill., assignor to International Filter Co., Chicago, Ill., a corporation of Delaware
Application August 4, 1939, Serial No. 288,265
3 Claims. (Cl. 210—16)

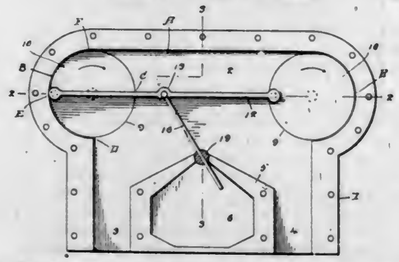
1. In the process for removing turbidity-imparting solids from water by treatment with a coagulant, the steps which comprise maintaining a body of water; introducing incoming water and a coagulum-forming compound into a turbulent mixing zone at least partly separated from

but communicating with said body of water; passing the incoming water and coagulum-forming compound through said mixing zone to produce the formation of solid particles in said water at least in part from said coagulum-forming compound; maintaining in the lower portion of said body of water a body of slurry of water containing suspended particles formed at least in part from said coagulum and collected from previously treated water; passing a substantial volume of such slurry, convergently to and through said mixing zone; passing the slurry and incoming



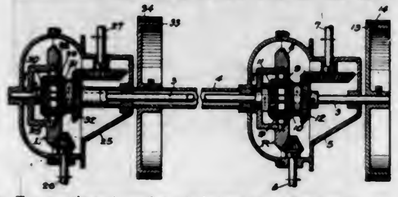
water from said mixing zone divergently into said body of slurry; applying substantial mechanical impelling energy to said slurry in addition to any energy imparted thereto by the incoming water and thereby producing said turbulence in the mixing zone, producing said passage of slurry, and maintaining the particles in said passing slurry in suspension; removing particles from said slurry to control the volume thereof; displacing an output quantity of clarified water upwardly from said body of slurry by the water and slurry from the mixing zone, and withdrawing clarified water from above said body of slurry.

2,245,590
IRRIGATION ROTARY PISTON ACTION PUMP
Herbert L. Johnson, Dodge City, Kans.
Application August 8, 1939, Serial No. 289,034
2 Claims. (Cl. 103—132)



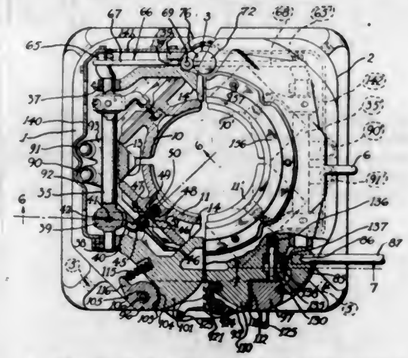
1. In a pump, a housing having an elongated piston chamber of generally rectangular form, the opposite end portions of which are semicylindrical, and an inlet and a parallel outlet communicable with said chamber near the ends thereof, supporting guides rotatably mounted in the opposite end portions of the said chamber, an elongated platelike piston marginally contiguous to the opposite side walls of the chamber, said piston having the ends thereof pivotally attached crankwise to said rotatable supporting guides whereby to travel with parallel orbital motion in said chamber, said piston ends during part of such travel being peripherally contiguous to the end portions of said chamber, a driven shaft journaled in said housing, a crank element secured to said shaft whereby to rotate therewith and having a pivotal attachment to said piston intermediate the ends thereof, and a movable dividing plate provided within the housing for separating the inlet and outlet, said dividing plate being pivotally attached at one end to the piston intermediate the ends of the latter and having a mounting on the housing with provision for a combined oscillation and lengthwise reciprocation of said dividing plate in compensation with the parallel orbital motion of the piston.

2,245,591
STEERING BY DRIVING MECHANISM
Byron Q. Jones, Fort Knox, Ky.
Application July 2, 1940, Serial No. 343,563
5 Claims. (Cl. 180—9.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. In a steering by driving mechanism, a pair of differential gear units including two pairs of sun gear members each pair common to both differential gear units, means for braking the sun gear members, and a pair of independent drive shafts one for each differential gear unit.

2,245,592
WELL PIPE SUPPORT
Ralph W. Jones, Jr., Los Angeles, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application November 21, 1939, Serial No. 305,501
18 Claims. (Cl. 24—263)



1. A well pipe gripping device comprising, in combination: a body having a pipe passageway therethrough; a pipe-gripping member mounted in the body for movement substantially radially of the pipe passageway into pipe-gripping and retracted positions, respectively; and means for actuating said pipe-gripping member between said positions, said means comprising an oscillatory member and mounting means on said body for supporting said oscillatory member for oscillation about an axis fixed with respect to said mounting means, said mounting means being

positioned on said body with said axis extending at an oblique angle to the plane of movement of said pipe-gripping member, lever means mounted on said oscillatory member for oscillation therewith, and means operatively connecting said lever means to said pipe-gripping member.

2,245,593
HALOGENO-CARBOXYLIC AMIDES
Morris B. Katzman, Chicago, Ill., assignor to The Emulsol Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application December 16, 1939, Serial No. 309,575
20 Claims. (Cl. 260—404)

11. Chemical compounds corresponding to the formula

$$C_{11}H_{23}-C(=O)-O-C_2H_4-NH-CO-CH_2-hal$$

wherein hal is a member of the group consisting of chlorine, bromine and iodine.

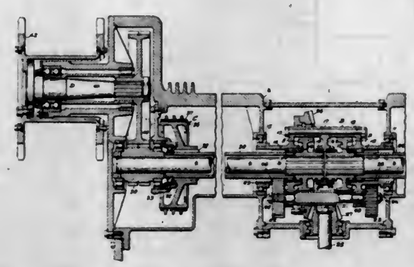
20. The method of preparing chemical compounds which comprises reacting a volatile alcohol ester of a member selected from the group consisting of chloracetic acid, bromacetic acid and iodo acetic acid, with monoethanolamine at a temperature not above about 10 degrees C. to form an amide of the monoethanolamine, precipitating the excess monoethanolamine with oxalic acid, filtering to remove the precipitate of monoethanolamine oxalate, distilling the filtrate to remove alcohol formed in the amidification reaction, and reacting the residue with an acyl halide of a fatty acid containing from eight to eighteen carbon atoms to form an ester.

2,245,594
SPECTACLES
George P. Kimmel, Brookeville, Md., assignor to The Ful-Vue Sales Company, Washington, D. C.
Application August 17, 1938, Serial No. 225,466
3 Claims. (Cl. 88—47)



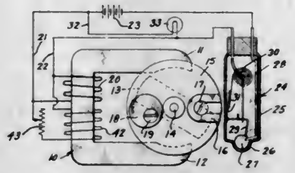
1. A pair of spectacles including a pair of lenses each having the upper portion of its edge formed with a groove open at each end and of a length to extend onto a part of the temple and nasal sides and to terminate above the horizontal median of the lens, each groove including an intermediate portion of uniform depth throughout and a pair of oppositely disposed end terminal portions gradually decreasing in depth from said intermediate portion to the end termini of the groove, a pair of spaced hangers, each hanger corresponding in length to the length of a groove and formed of an inner part fitted in and a narrow part arranged exteriorly of a said groove of a lens, each hanger including a pair of oppositely disposed reduced end terminal portions having their upper and lower faces oppositely beveled, straps for connecting the lenses to the hangers, said straps being carried by the temple and nasal sides of said hangers and secured to the lenses inwardly adjacent to the end terminal portions of the hangers, and a bridge connecting together the nasal sides of said hangers and spaced from said straps.

2,245,595
CONTROLLED DIFFERENTIAL STEERING MECHANISM
Harry A. Knox, Washington, D. C.
Application December 12, 1940, Serial No. 369,831
2 Claims. (Cl. 180—9.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



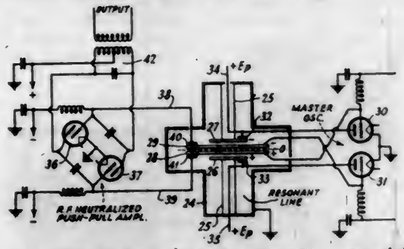
2. In a steering mechanism, a controlled differential gear unit including a rotatable carrier having oppositely extending hubs and planetary gears disposed exteriorly of the hubs and projecting therethrough, a pair of drive shafts associated with the differential gear unit and spaced from the hubs of the carrier, a final drive unit on each drive shaft, a sleeve around each shaft having its inner end extending into and mounted in a hub of the carrier and having its outer end extending to the final drive unit, teeth on the inner end of each sleeve disposed within a hub of the carrier and meshing with the planetary gears of the differential gear unit, a brake drum fixed on the outer end of each sleeve adjacent a final drive unit, and a braking element for each drum.

2,245,596
CIRCUIT CONTROL MEANS
John F. Lindberg, Chicago, Ill.
Application March 7, 1938, Serial No. 194,388
7 Claims. (Cl. 172—36)



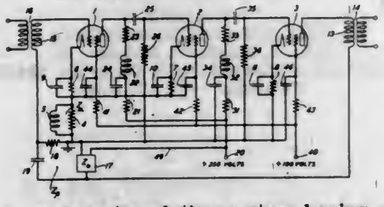
1. A relay comprising a driving motor having a stator and a rotor, a permanent magnet mounted for rotational movement with said rotor, a stationary breaker unit including a pair of contacts disposed adjacent a point in the path of rotational movement of said magnet, said contacts being actuated to opened and closed positions depending upon the proximity of the field of said magnet, and means for movably adjusting the position of the breaker unit in a direction towards and away from the rotor while maintaining its angular relation thereto to vary the timed relation of the actuation of said contacts by said magnet, whereby the operation of the relay may be increased and decreased as to its speed.

2,245,597
CONCENTRIC RESONANT LINE AND CIRCUIT THEREFOR
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 25, 1938, Serial No. 226,674
16 Claims. (Cl. 250—36)



1. A tuned high frequency circuit comprising concentric inner and outer conductors, said inner conductor comprising a pair of spaced rods arranged in the same straight line and having remote ends connected to said outer conductor, the adjacent ends of said rods being so spaced as to provide a capacitor, and a plurality of parallel conducting plates placed between the adjacent ends of said rods with their planes transverse to the longitudinal axis of said rods, said plates being insulated from each other and from inner and outer conductors, whereby they provide terminal connections for an associated circuit.

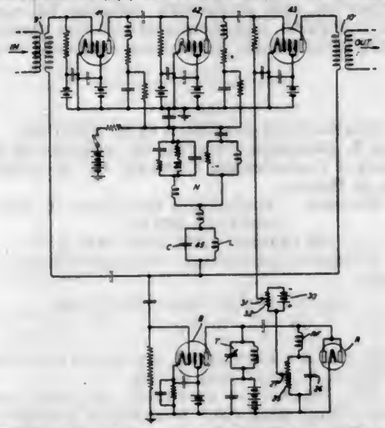
2,245,598
WAVE TRANSLATION SYSTEM
Frederick B. Llewellyn, Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 7, 1938, Serial No. 233,760
13 Claims. (Cl. 179—171)



1. In a wave translating system having cascaded amplifying stages, means for producing negative feedback around a group of said stages including the last, with the normal value of the feedback ratio for said negative feedback substantially greater than unity, and means for producing positive feedback around certain of the stages exclusive of said last stage but including certain of the other stages of said group, with the vector feedback ratio for said positive feedback approximating unity sufficiently to substantially reduce distortion of translated waves.

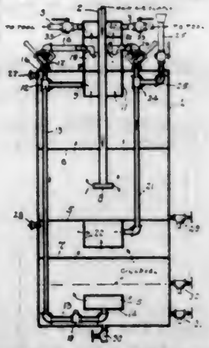
2,245,599
FEEDBACK AMPLIFIER
Frederick B. Llewellyn, Verona, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 22, 1940, Serial No. 325,297
29 Claims. (Cl. 179—171)

1. The method of operating an amplifier which comprises supplying to the amplifier waves to be amplified thereby, feeding back a portion of the output to the input, maintaining the steady state value of $|\mu\beta|$ equal to unity for a frequency



at which Φ equals zero and simultaneously maintaining the steady state value of $|\mu\beta|$ greater than unity for a lower frequency at which Φ equals zero.

2,245,600
APPARATUS FOR LUBRICATING PNEUMATIC TOOLS
Charles A. Medsker, Cleveland Heights, Ohio, assignor to William L. Ulmer, Cleveland, Ohio
Application May 6, 1938, Serial No. 206,414
11 Claims. (Cl. 184—55)

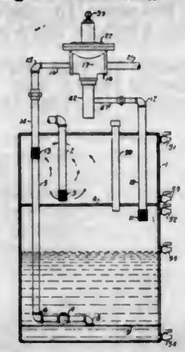


1. A lubricating apparatus for pneumatic tools comprising a container having a lubricant supply chamber, a main air supply inlet in said container, a conduit in communication with said inlet and leading to said lubricant supply chamber, a plurality of outlets in communication with said inlet, and a second conduit leading from said lubricant supply chamber to the point of communication of said inlet and of said outlets.

2,245,601
METHOD OF AND APPARATUS FOR LUBRICATING PNEUMATIC TOOLS
Charles A. Medsker, Cleveland Heights, Ohio, assignor to William L. Ulmer, Cleveland, Ohio
Application February 6, 1939, Serial No. 254,761
7 Claims. (Cl. 184—55)

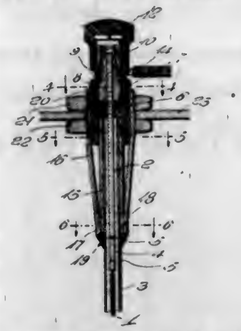
1. In apparatus of the character described, the combination of a source of air under pressure, means for dividing said air into two streams,

means for entraining a lubricant in one of said air streams, and means for reuniting said lubricant-entraining air with said other stream, said



last-named means comprising a valve and means associated with said valve for maintaining a uniform pressure differential between the mixture entering said valve and that leaving said valve.

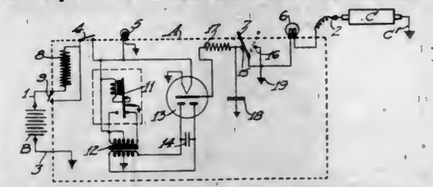
2,245,602
ELECTRIC HEATER TERMINAL
Nathan Morris, Silver Spring, Md., assignor to American Instrument Company, Silver Spring, Md., a copartnership composed of William H. Reynolds and Leopold Freedman
Application May 1, 1939, Serial No. 271,204
5 Claims. (Cl. 201—64)



1. In an electric heater of the embedded resistor type, in combination, a refractory filled sheath-like enclosure, an insulator recessed at one end thereof to support an electric terminal and recessed at the opposite end thereof to receive a tubular member, said sheath-like enclosure extending telescopically into said tubular member, a moisture and vapor shield surrounding said insulator in surface contact therewith and extending to a position adjacent the end of said tubular member, a moisture and vapor seal between said shield and said tubular sheath-like enclosure at the end of said tubular member, and means for mechanically supporting said tubular sheath-like enclosure through said shield.

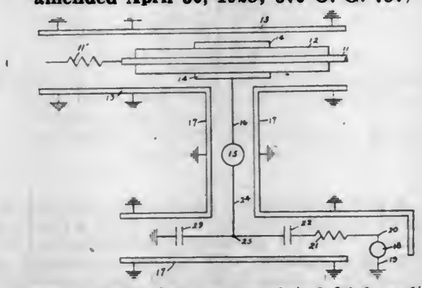
2,245,603
CONDENSER TESTER
Benjamin Paul, Los Angeles, Calif.
Application June 13, 1938, Serial No. 213,479
1 Claim. (Cl. 175—183)

A self-contained, portable device for testing the condenser of an automobile having a battery to facilitate the operation of the automobile, comprising a connection adapted to be connected to the battery, a connection adapted to be connected to the frame of the automobile, a condenser connection adapted to be connected to the power side of the condenser while in normal operative position on said automobile, a testing in-



dicator connected to the condenser testing connection, a vibrator connected to the battery connection, a transformer for the vibrator, a rectifier connected to the transformer, and a double-throw switch adapted alternately to connect the indicator to the rectifier and to the frame of the automobile.

2,245,604
IGNITION INDICATOR
Melville F. Peters, Beltsville, Md., and Warren S. Parr, United States Navy
Application April 27, 1940, Serial No. 332,063
29 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

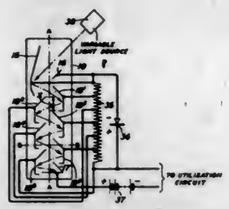


1. In combination, an insulated high voltage conductor connected to a spark plug of an internal combustion engine, a conductive sheath surrounding a portion of said conductor and being capacitively coupled thereto, a voltage indicating means, a source of electromotive force, a voltage dividing means connected across said source, said voltage dividing means having one terminal thereof connected to ground, conductive means connecting said indicating means between said sheath and a point of said voltage dividing means above ground potential, and a grounded shielding means for the above.

2,245,605
ELECTRON MULTIPLIER
John R. Pierce and William Shockley, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 26, 1937, Serial No. 176,566
14 Claims. (Cl. 250—175)

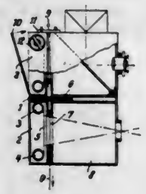
1. An electron multiplier comprising a primary cathode, a collector electrode spaced from said primary cathode, a plurality of auxiliary electrodes successively mounted in staggered relation between said cathode and said collector electrode, each of said auxiliary electrodes having a portion

adapted to emit secondary electrons, said portions of successive auxiliary electrodes being substantially parallel, a barrier member extending obliquely from an edge of each of said portions



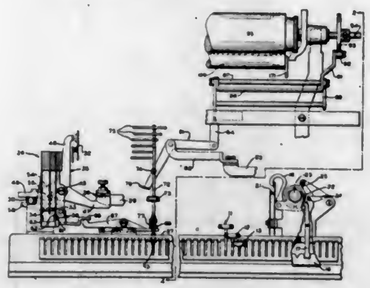
toward the next preceding electrode, and a baffle member adjacent the opposite edge of each of said portions and extending at substantially right angles thereto and toward the next succeeding electrode.

2,245,606
ROLL-FILM CAMERA
Curt Rauch, Chemnitz, Saxony, Germany
Application May 18, 1938, Serial No. 208,655
In Germany May 20, 1937
3 Claims. (Cl. 95—31)



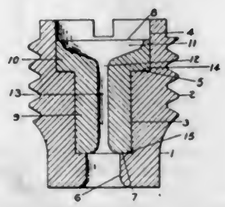
1. A photographic roll film camera adapted for selective exposure of film frames from a plurality of rolls of film of different characteristics carried by said camera, said camera comprising in combination a main light-tight casing, provided with an optical exposure system, an auxiliary flat compact light-tight casing movably secured to said main casing at the rear thereof and disposed flatwise, parallel with and containing the focal plane of said system, said auxiliary casing being subdivided into at least two separate light-tight compartments, film spools rotatably disposed within each of said compartments, one upon each side of the axis of said optical exposure system when in operative position, the axes of the spools in each compartment being parallel with each other and occupying a plane parallel with said focal plane, one of said spools adapted to carry unexposed portions of the film and the spool on the opposite side of said axis adapted to carry the exposed portions thereof, the portion of the film in position to be exposed extending between the spools across said axis and occupying said focal plane, means for moving said auxiliary casing upon the rear of said main casing so that one or another of said compartments may be selectively disposed in operative image receiving relationship with respect to said optical exposure system, means for protecting the inoperatively positioned film roll against exposure to light while the selected film roll is in operative position, and closure means for each of said compartments for inserting and removing said spools.

2,245,607
PRINTING TELEGRAPH SYSTEM AND APPARATUS
Albert H. Reiber, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application December 31, 1935, Serial No. 56,919
Renewed June 5, 1939
50 Claims. (Cl. 178—25)



4. In a page printing telegraph machine, a normally effective line feed mechanism, an ejecting mechanism, and severing means controlled by said ejecting mechanism, said severing means effective when operated to disable said line feed mechanism and simultaneously to effectuate the actuation of said ejecting mechanism.

2,245,608
DIE
George D. Rogers, United States Army, Picatinny Arsenal, N. J.
Application December 19, 1938, Serial No. 246,645
1 Claim. (Cl. 18—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A powder extrusion die comprising in combination an elongated die body having an axial passage therethrough formed by at least three cylindrical bores of successively stepped diameters, said bores being joined at their contiguous ends by annular ledges having plane surfaces substantially normal to the axis of the passage, a jewel die disposed within the two bores of largest diameter comprised of an annular die bushing having a plane end bearing surface engaging the annular ledge of smallest diameter and an annular die cup of greater diameter having a plane bearing surface extending outwardly from the periphery of the die bushing engaging the other annular ledge joining the two bores within which the die is disposed, said die being circumferentially engaged throughout its length by the die body under substantially uniform inherent pressure.

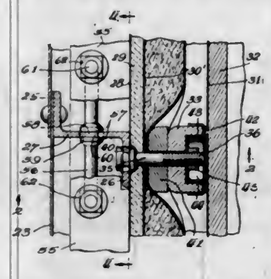
2,245,609
METAL FINISHING PROCESS
Gerald C. Romig, Melrose Park, Pa., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware
No Drawing. Application March 7, 1940, Serial No. 322,757
2 Claims. (Cl. 148—6.5)

1. In the art of finishing ferrous metal, wherein the surface is coated with a water insoluble metallic phosphate by treating it with an acid zinc phosphate solution containing hydrogen peroxide, the method which comprises in combination rinsing said coating with a dilute aqueous solution of chromic acid and then covering the rinsed surface with a siccative coating.

2,245,610
MEDICINAL COMPOSITION
Charles William Schaffer and Reinhard Beutner, Philadelphia, Pa.
No Drawing. Application January 21, 1938, Serial No. 186,086
9 Claims. (Cl. 260—119)

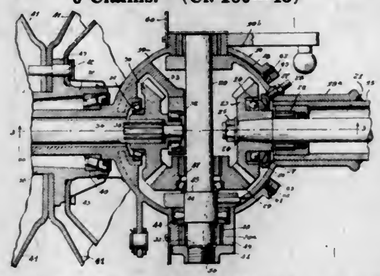
5. A composition for the treatment of pathological conditions comprising an iodo casein capable of transferring its iodine to an aromatic compound in the presence of hydrogen peroxide at 35° C.

2,245,611
BUILDING CONSTRUCTION
Frederick W. Schultz, Wichita, Kans.
Application May 7, 1938, Serial No. 206,563
11 Claims. (Cl. 189—34)



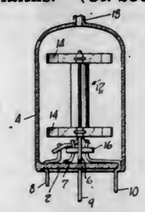
1. In a wall construction, the combination with a series of spaced parallel metal frame members in the wall having plate-like portions parallel with the wall, of means for mounting one or superposed layer members on, and extending between, the frame members as an insulating lining of the wall, the mounting means comprising keyhole shaped slots in the plate-like portions, and collar bolts anchored at their head ends with a drive fit in the slots (the bolts being applicable to the slots from the lining side of the plate-like portions) and having their free ends rigidly protruding at normals to the wall and adapted simultaneously to receive each said layer member by punching their own holes therethrough, each collar bolt having an integral head, an integral collar spaced from the head to accommodate with a snug fit the thickness of the plate-like portion, a non-circular neck between the head and collar for non-rotatably traversing the sub-slot of the keyhole shaped slot, and a free-ended shank extending from the collar oppositely from the neck and threaded inwardly from its free end for receiving a nut for clamping the layer members to the frame members.

2,245,612
FRONT WHEEL DRIVE ASSEMBLY
Richard A. Schultz, Roseville, Mich., assignor, by mesne assignments, to Friend Motor Company, St. Clair Shores, Mich., a corporation of Michigan
Application August 15, 1938, Serial No. 224,924
6 Claims. (Cl. 180—43)



1. A front wheel drive assembly comprising relatively movable inner and outer housing structures, driving and driven gears supported in said inner and outer structures respectively, a pin hinging said structures, an intermediate idler gear supported by said pin in driving connection with said driving and driven gears, and means longitudinally adjusting said pin whereby to adjustably urge said idler gear toward said driving and driven gears.

2,245,613
RADIO TUBE OR THE LIKE
Milton R. Schulte, West Orange, N. J., assignor to Tung-Sol Lamp Works Inc., Newark, N. J., a corporation of Delaware
Application July 20, 1939, Serial No. 285,470
3 Claims. (Cl. 250—27.5)

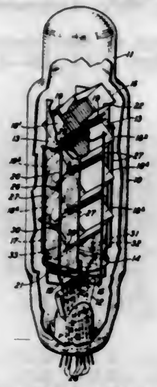


2. In a radio tube comprising an envelope, an electrode assembly including an anode and a control grid within the envelope, a closure for one end of the envelope and lead-in conductors for the electrode assembly, the improvement comprising forming the closure of a disk sealed at its periphery to the envelope with the lead-in conductors passing through the seal and with the lead-in conductors for the anode and control grid diametrically disposed in the seal.

2,245,614
ELECTRON DISCHARGE DEVICE
William Shockley, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 26, 1937, Serial No. 176,565
18 Claims. (Cl. 250—175)

1. An electron multiplier comprising a primary cathode, an auxiliary cathode in cooperative relation with said primary cathode and having an emissive portion facing toward said primary cathode, a second auxiliary cathode in cooperative relation with said first auxiliary

cathode and having an emissive portion at substantially right angles to said first emissive portion, and a collector electrode in cooperative relation with said second auxiliary cathode, said



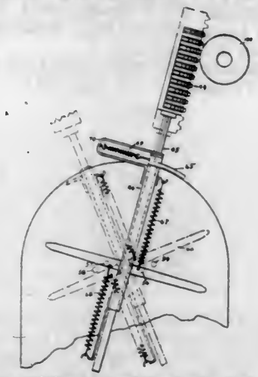
emissive portions being substantially plane and said second auxiliary cathode being offset diagonally with respect to said first auxiliary electrode.

2,245,615

ELECTRIC TYPEWRITER

Frank D. Slough, Cleveland, and Capel W. McNash, Lakewood, Ohio; said Slough assignor to Henry B. Henson

Application May 4, 1939, Serial No. 271,726
16 Claims. (Cl. 197—12)



1. A typewriting machine of the type-wheel class, which machine has a type wheel, wherein selective positioning of characters by the wheel with reference to the work to be typed is predetermined by presetting of selectors, and wherein power means extraneous to the power required to set the selectors causes the work and positioned characters to be brought together; characterized by the provision of mechanism drivingly connected to the wheel and brought by the motion imparted by said power means into engagement with set selectors in a manner to move the wheel the proper distance to position characters for typing.

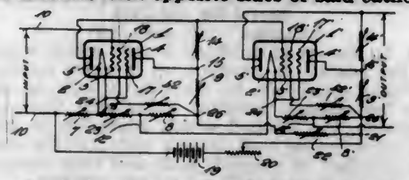
2,245,616

AMPLIFICATION SYSTEM

Walter Soller, Cincinnati, Ohio, assignor of one-half to William H. Woodin, Jr., Tucson, Ariz.

Application December 5, 1938, Serial No. 244,123
14 Claims. (Cl. 179—171)

1. A balanced amplifier system comprising a four element electron tube including a cathode, an anode, a control grid and an auxiliary anode, an input circuit included between said control grid and cathode, a power supply circuit, resistance elements disposed in said power supply circuit in series with opposite sides of said cathode,



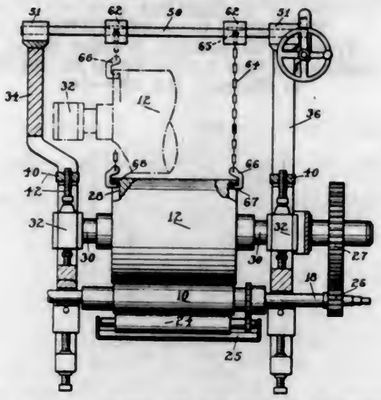
an output circuit extending between said auxiliary anode and a point between two of said resistance elements and including an additional resistance element disposed between a point in said power supply circuit and said anode and another resistance element between said anode and said auxiliary anode.

2,245,617

PRINTING MACHINE

Stephen B. Stafford, Oxford, and Herman A. Smith, Holden, Mass., assignors to Rice Barton Corporation, a corporation of Massachusetts

Application September 13, 1939, Serial No. 294,592
2 Claims. (Cl. 101—212)



1. A printing machine comprising a printing roll, a backing cylinder having a cylindrical portion engageable with said roll, movable bearings for the cylinder, means comprising a pair of side frames for supporting said bearings and providing for vertical movement of the cylinder and its bearings to free one of the bearings from the frame, and a hoisting device spaced from the cylinder having means removably engageable with said portion of the cylinder for rotating and lifting the cylinder, said parts being so constructed and arranged that an endless blanket may be partly inserted around one of the lifted cylinder bearings and into the space bounded by the frame, the end of the cylinder and the hoisting device.

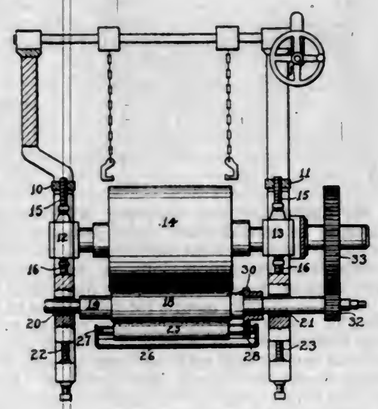
2,245,618

PRINTING ROLL AND DRIVING MECHANISM

Stephen B. Stafford, Oxford, and Herman A. Smith, Holden, Mass., assignors to Rice Barton Corporation, a corporation of Massachusetts

Application September 13, 1939, Serial No. 294,593
2 Claims. (Cl. 101—212)

1. In a printing machine having a backing cylinder and an ink furnisher roll, a printing roll unit associated therewith for a printing operation comprising a mandrel, a hollow printing roll removably and slidably mounted on the mandrel, said mandrel having an uninterrupted cylindrical portion outside of and close to the printing roll, a gear for driving the ink furnisher roll mounted for sliding and rotating freely on



said portion of the mandrel, the mandrel having a keyway beneath and extending beyond the printing roll but not beneath the gear, a key in the keyway which connects the printing roll to the mandrel, and means on the gear which projects into the exposed portion of said keyway and forms the sole medium for connecting the gear to the mandrel.

2,245,619

STYRENE POLYMERIZATION

John T. Stearn, Springfield, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania

No Drawing. Application November 11, 1937, Serial No. 174,015
2 Claims. (Cl. 260—91)

1. A process for polymerizing styrene in a light oil styrene fraction comprising materials of similar boiling points of which at least 35% is styrene by a plurality of steps comprising (*a*) adding thereto a relatively volatile solvent for styrene; (*b*) distilling the resulting mixture to remove the added solvent, thereby simultaneously initiating polymerization of styrene in said mixture; and after removal of said added solvent (*c*) substantially completing the polymerization of the styrene by the application of heat.

2,245,620

BINDER FOR GLASS FIBER THREADS

Hans Steinbock, Dusseldorf-Gerresheim, Germany, assignor to Owens Corning Fiberglas Corporation, Toledo, Ohio

No Drawing. Application July 12, 1939, Serial No. 284,100. In Germany July 14, 1938
5 Claims. (Cl. 134—18)

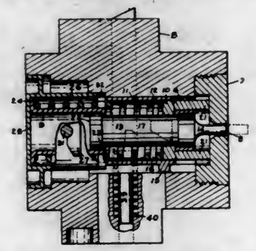
5. A binder for glass fiber threads and the like, comprising a diluted aqueous emulsion containing 3 to 10% emulsifying agent, 3 to 10% of emulsive substance selected from the group consisting of oil, fats and wax, and 3 to 10% dextrine.

2,245,621

FIRING MECHANISM

William Summerbell, Watervliet, N. Y., assignor to Government of the United States of America, as represented by the Secretary of War and his successors in office

Application May 22, 1939, Serial No. 274,985
9 Claims. (Cl. 89—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



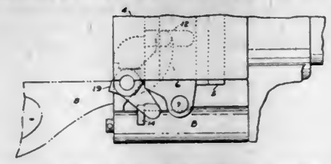
1. In a firing mechanism, a breech block having a bore, a hollow guide slidable within the bore and having an apertured front end, a firing pin carried by the front end and having a rear portion with a head disposed within the guide, a collar slidable within the guide and on the firing pin and having fingers projecting forwardly through the front end of the guide to engage the breech block, a sleeve slidable within the bore and having an outwardly turned flange on its rear end and an inwardly turned flange on its front end engageable with the front face of the head on the firing pin, a spring confined between the collar and the rear flange of the sleeve, and means for confining the rear end of the sleeve.

2,245,622

BREECHBLOCK OPERATING MECHANISM

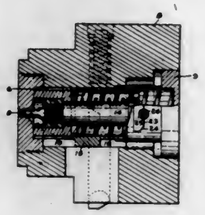
William Summerbell, Watervliet, N. Y., assignor to Government of the United States of America, as represented by the Secretary of War and his successors in office

Application May 22, 1939, Serial No. 274,986
8 Claims. (Cl. 89—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



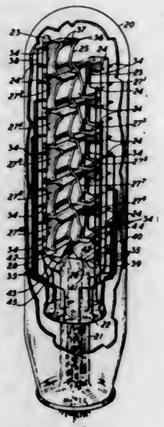
1. In a recoil gun having a breech ring, a vertically sliding breech block in the breech ring and means for lowering the block, a breech closing mechanism comprising a plate fitting in the rear of the breech ring and having a circular portion below the breech ring, a pin in the breech ring for mounting said plate, a guide rod having its rear end supported by the circular portion of the plate and having its front end inserted in the breech ring forwardly of the breech block, a sleeve having a slotted rear end slidably supported by the circular portion of the plate and having its front end slidably supported on the rod, a nut on the rear part of the rod and engaging the slotted portion of the sleeve, a spring between the nut and the front end of the sleeve, a lever mounted on the pin in the breech ring and engaging the breech block and the sleeve.

2,245,623
FIRING MECHANISM
William Summerbell, Watervliet, N. Y., assignor to Government of the United States of America, as represented by the Secretary of War and his successors in office
Application May 22, 1939, Serial No. 274,987
4 Claims. (Cl. 89—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



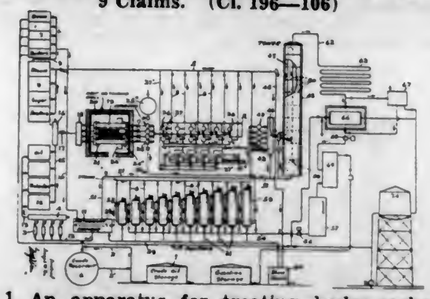
1. In a firing mechanism, a breech block having a bore, a hollow guide slidable within the bore and having an apertured front end, a firing pin carried by the front end of the guide and having a rear portion disposed within the guide, a collar slidable within the guide and having fingers projecting forwardly through the front end of the guide to engage the breech block, a cap closing the bore of the breech block, a spring confined between the collar and the cap, and a spring confined between the collar and the rear end of the firing pin.

2,245,624
ELECTRON DISCHARGE APPARATUS
Gordon K. Teal, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 4, 1938, Serial No. 205,931
15 Claims. (Cl. 250—175)



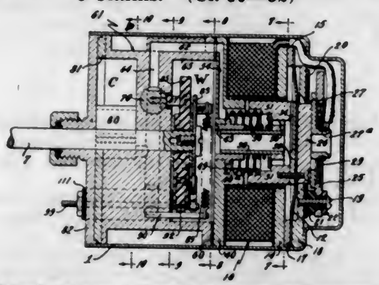
1. An electron multiplier comprising a pair of rows of secondary electron emissive members having opposed longitudinally concave surfaces of varying curvature and mounted in staggered relation, a primary cathode at one end of said rows, and a collector electrode at the other end of said rows.

2,245,625
APPARATUS FOR PRODUCTION OF LOW BOILING POINT HYDROCARBONS
Joseph Wilson Trotter, Toronto, Ontario, Canada
Application May 11, 1937, Serial No. 141,961
9 Claims. (Cl. 196—106)



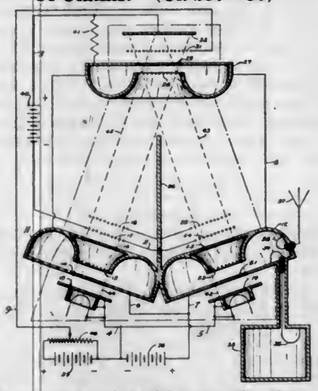
1. An apparatus for treating hydro-carbons comprising in combination high pressure pumping means, means for introducing hydro-carbons in predetermined proportions to said pumping means, heating coils receiving the discharge from said pumping means, means for heating said coils, a series of reaction tanks, conduit means receiving the heated product from said heating coils and connected in multiple with one end of each of said reaction tanks to supply said product thereto, means for selectively and variably controlling the flow through said reaction tanks to retain the product under pressure for a predetermined time, vaporizers, means maintaining liquid bodies of hydro-carbon in said vaporizers, means connected with said reaction tanks for receiving and conducting the said heated product therefrom to said vaporizers, means in said vaporizers connected with the latter means for receiving the said product therefrom and projecting the same upwardly through the bodies of liquid hydro-carbon in the vaporizers, conduit means connected with the upper end of said vaporizers for receiving and conducting the resultant vapour product therefrom, a battery of converters, means for variably directing said resultant vapour from said latter conduit means to said converters in accordance with the characteristics required of the final product, heaters in said converters, and means for condensing the resultant vapour product.

2,245,626
WINDSHIELD WIPER AND SIMILAR MECHANISM
Frank E. Twiss, Taunton, Mass., assignor to F. E. Twiss Co., Inc., Boston, Mass., a corporation of Massachusetts
Application September 28, 1937, Serial No. 166,066
5 Claims. (Cl. 60—52)



1. Mechanism of the class described comprising a casing, an electro-magnetic power unit in said casing, a vibratory pumping member, a check valve carried by said member, a liquid-containing system within the casing enclosing said pumping member and valve, said member and valve being actuable in response to energization of the unit to cause circulation of liquid through the system, said system including a vane chamber, a vane in said chamber, means including a valve to direct the liquid first against one surface of the vane and then against an opposite surface thereof to cause the vane to move back and forth in said chamber, an oscillating shaft extending from the chamber and secured to said vane, a part movable by said shaft as the vane approaches each end of its path to actuate the last-named valve with a snap action, an electric circuit for energizing said unit, said circuit including a control switch and including a circuit portion parallel to said switch for causing the continued operation of the unit until the vane reaches one end of its path should the control switch be opened when the vane is not at the said one end, said parallel circuit portion including a pair of contacts one of which is carried by said part and disengages the other contact when said part is moved with a snap action beyond a certain point in one direction.

2,245,627
STABILIZATION OF FREQUENCY
Russell H. Varian, Stanford University, Calif., assignor to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif., a corporation of California
Application June 24, 1938, Serial No. 215,639
14 Claims. (Cl. 250—36)

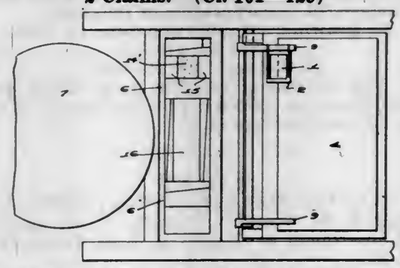


3. The method of stabilizing the frequency of an oscillator which consists of operating said oscillator in synchronism with a second oscillator whose frequency variation characteristic as a function of changing parameters is different from that of the first oscillator, detecting phase shifts occurring between the two oscillators due to changes in parameters and controlling the frequency of both oscillators in accordance with said detected phase shifts.

2,245,628
REFLEX COPYING PROCESS
Gottlieb von Poser, Theo Scherer, and Oskar Süs, Wiesbaden-Biebrich, Germany, assignors, by mesne assignments, to Helge Svenson, Goteborg, Sweden
No Drawing. Application April 5, 1938, Serial No. 200,162. In Germany April 5, 1937
14 Claims. (Cl. 95—5)

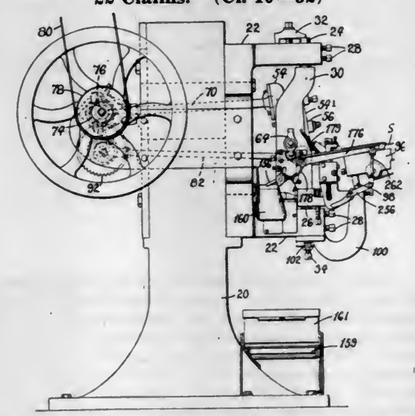
1. In a process for producing a reflex copy, the steps which comprise placing a light-sensitive material sensitized by means of a diazo compound and an azo component which, on development, yield a yellow to greenish-yellow dye, the chief absorption of which extends over the region of about 3300 Å. to about 4400 Å. upon the original which is to be copied, causing light to fall upon the original through the said light-sensitive material developing the image thereon and reproducing the developed image on a diazo-photo printing material by direct contact methods.

2,245,629
METHOD OF PRINTING
Clarence Lee Walter, St. Louis, Mo.
Application April 8, 1939, Serial No. 266,814
2 Claims. (Cl. 101—129)



1. The herein described method of printing on a work sheet in a platen press including printing type comprising constructing a stencil sheet with an image forming area smaller than said sheet, treating said stencil sheet to stiffen said area, reinforcing one side of the stencil sheet around said area solely, imposing the other side of said stencil sheet against the work sheet, simultaneously applying pressure against the work sheet in the direction of the stencil sheet and pressure against the image forming area in the direction of the work sheet and within the confines of the reinforcement and in a plane type high, whereby the ink will be forced under such pressure through said area onto said work sheet to print the image simultaneously with the printing by the type.

2,245,630
MACHINE FOR CUTTING ARTICLES FROM STRIP MATERIAL
Wilbur E. Webster and Irvin M. Reid, Jaffrey, N. H., assignors to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 26, 1938, Serial No. 221,372
22 Claims. (Cl. 10—32)



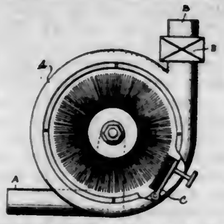
1. In a nail-making machine, nail cutting in-

strumentalities, yieldable means for feeding a nail strip to said cutting instrumentalities, means for holding a nail strip against the operation of said feeding means, means operable upon said holding means to release the nail strip to the operation of said feeding means, and means operated by said releasing means for effecting the separate delivery of the first few pieces cut from the strip and the good nails thereafter cut from the strip.

2,245,631
MEAT PREPARATION
Beverly E. Williams and Leon L. Cadwell, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 14, 1939, Serial No. 279,106
17 Claims. (Cl. 99—107)

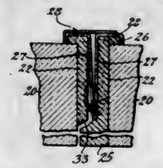
1. The method of treating meat which comprises removing muscles from the skeletal structure during rigor mortis.

2,245,632
APPARATUS FOR COMBINING CHEMICALS
Frederick W. Winkler, Newark, N. J., assignor of one-fourth to Charles H. Keel, Forest Hills, N. Y.
Application August 9, 1938, Serial No. 223,806
5 Claims. (Cl. 259—9)



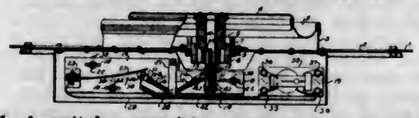
1. An apparatus of the character set forth consisting of a rotating brush, a housing closely surrounding said brush, and a fixed brush, the fixed brush being set in an insulating material and thus insulated from the rotating brush, for the purpose of subjecting a mixture of chemicals to the action of an electric current while undergoing treatment by said brush, and means for introducing a chemical into said casing.

2,245,633
JOINT COVER
George Morton Wolfe, Buffalo, N. Y.
Application July 22, 1938, Serial No. 220,686
3 Claims. (Cl. 72—86)



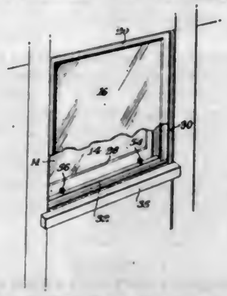
1. A joint cover comprising a body adapted to project into a joint between adjacent building members and composed of plates which are connected at their inner edges, extension wings projecting laterally in opposite directions from the outer edges of said body plates, flanges projecting inwardly from the outer edges of said wings toward the outer side of said building members, and a cover plate extending over the joint between said building members and provided at one of its edges with an inwardly turned web which is connected with the flange of the respective wing, and said cover plate being provided at its ends with lips which are bent downwardly and adapted to extend across the ends of the joint between said building members.

2,245,634
SWITCH MECHANISM
John C. Yingling, Dayton, Ohio
Application March 27, 1940, Serial No. 326,217
9 Claims. (Cl. 200—83)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A switch comprising a pair of contact elements, one of which is pivotally mounted, means for moving said pivotally mounted contact element into and out of electrical contact with said other contact element including: an actuating means, a pivotally mounted arm operatively connected to said actuating means to be pivoted thereby, a coil spring connected at one end to said arm and at the other end to said pivotally mounted contact element, said spring being of such length and flexibility that when attached to said pivotal contact and arm, it buckles to an arced position on one side of dead center position established by the points of pivotation of said pivotal contact and arm, and means for confining the buckling of said spring to a given plane whereby operation of said actuating means flexes said spring from switch-opening position on one side of dead center position into and through a sinuous curve to an arced switch-closing position on the other side of dead center position.

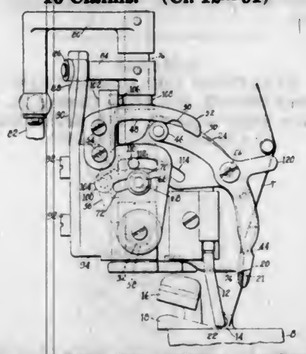
2,245,635
APPARATUS FOR AND METHOD OF PREVENTING FOGGING OF DOUBLE WINDOWS
Herbert E. Zschiegner, Ocean Grove, N. J.
Application January 20, 1938, Serial No. 185,864
4 Claims. (Cl. 20—40.5)



1. A device of the character described adapted to be placed in communication with the space between windows of double windows of a railway car, vehicle or the like, which includes an enclosed reservoir containing a liquid and provided with a partition extending transversely thereof and downwardly from the ceiling of said reservoir and into the liquid therein but not to the bottom of said reservoir to divide the space above the liquid into two portions, and tubular members

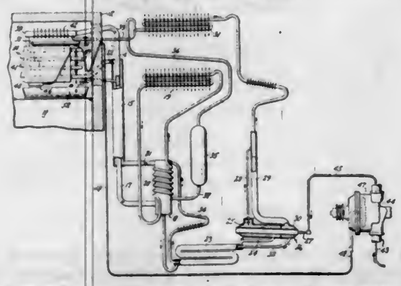
extending from said reservoir on opposite sides of said partition and adapted to be placed in communication with the space between windows of a double window.

2,245,636
TAPING MACHINE
Walter Adams, Stafford, England, assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application May 7, 1940, Serial No. 333,791
In Great Britain May 25, 1939
16 Claims. (Cl. 12—51)



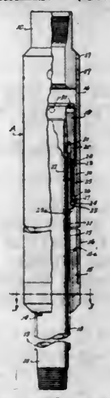
1. In a machine for applying reinforcing tape to a piece of sheet material, tape applying and work feeding means, means for guiding the tape to said applying means, said guiding means being movable between a tape presenting position adjacent to said applying means and a position remote therefrom, a clamping member with which said guiding means is movably associated, means operative in response to movement of said guiding means to said remote position for causing relative movement between said clamping member and said guiding means to clamp the tape therebetween, and means operative only after said clamping member has been moved into clamping engagement with the tape for severing the tape at a point between said guiding means and said applying means.

2,245,637
REFRIGERATION
Sven W. E. Andersson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application March 30, 1937, Serial No. 133,780
10 Claims. (Cl. 62—5)



1. Refrigeration apparatus including a generator, a condenser, an absorber, an evaporator, a heater for said generator, a device for controlling said heater, an expansible fluid thermostat having a part in contact with said evaporator for operating said device, and means for causing water resulting from frost melting on said evaporator to flow in contact with another part of said thermostat capable of controlling the pressure in said thermostat.

2,245,638
CIRCULATION AND EXPANSION JOINT FOR WELL DEVICES
Reuben C. Baker, Coalinga, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California
Application July 25, 1939, Serial No. 286,405
12 Claims. (Cl. 166—1)



1. A circulation and expansion joint adapted to be connected in a tubing string or the like, including an outer member, an inner member slidably splined to said outer member and forming an annular passage therewith, packing means carried by one of said members, and means for axially loading said packing means to decrease its length and compress it into engagement with the cylindrical wall of the other of said members to bridge said annular passage and close the same.

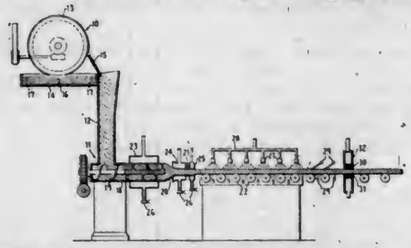
2,245,639
POUR DEPRESSOR
Jeffrey Hobart Bartlett, Cranford, N. J., and Arthur J. Zadde, New York, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 15, 1936, Serial No. 96,316
5 Claims. (Cl. 260—671)

1. A product having a boiling point sufficiently high to be left as a residue when the naphtha is distilled off from a naphtha solution thereof, said product being obtained by a Friedel-Crafts condensation of a chlorinated ether having less than 10 carbon atoms, and having a monochlor alkyl group on each side of an oxygen atom serving as the ether linkage, with an aromatic hydrocarbon, at a temperature of about 200° F. to 300° F., said product having the property of depressing the pour point of waxy mineral oils when added thereto in small amounts.

2,245,640
METHOD OF MOLDING PARAFFIN WAX
Robert Beattie, Plainfield, N. J., assignor, by mesne assignments, of three-fourths to Tide Water Associated Oil Company, New York, N. Y., a corporation of Delaware
Application April 10, 1936, Serial No. 73,604
6 Claims. (Cl. 18—55)

1. In a method of forming paraffin wax into bodies of defined shape by continuously extruding

a supply of wax in relatively comminuted solidified state through suitably dimensioned body forming means, the improvement which comprises maintaining, during the body forming operation,



a differential between the wax supply temperature and the melting point of the wax of not substantially more than fifty (50) nor substantially less than thirty (30) degrees Fahrenheit.

2,245,641

COMPOSITE YARN AND FABRIC MADE OF OR CONTAINING SUCH YARN

Angus Smith Bell and William Campbell Angus, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application October 3, 1939, Serial No. 297,671
In Great Britain November 9, 1938
13 Claims. (Cl. 57—144)



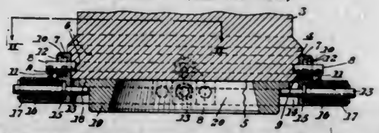
1. A composite yarn, comprising a predominating component consisting of one or more low twist voluminous crimped yarns of continuous filament origin doubled, by a substantial amount of doubling twist, with a base thread, the length of said predominating component being substantially greater than the length of said base thread, and a binding thread doubled with a smaller amount of doubling twist about the assembly of the predominant component and the base thread.

2,245,642

FORGING DIE

Davitt S. Bell, Pittsburgh, and Byron W. Dunham, Oakmont, Pa., assignors to Edgewater Steel Company, Oakmont, Pa., a corporation of Pennsylvania

Application August 26, 1938, Serial No. 226,928
8 Claims. (Cl. 78—60)



5. A forging die comprising a die member having a work-engaging face, a floating ring for surrounding and laterally engaging those portions of the work adjacent to such face, and means for holding the ring loosely in engagement with the die member and free to slide over said face under pressure exerted by the work on the ring.

2,245,643

WETTING AGENT AND METHOD OF PRODUCING THE SAME

Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 15, 1940, Serial No. 324,118
19 Claims. (Cl. 260—512)

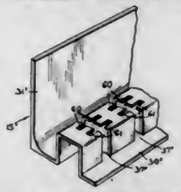
1. The process of preparing sulfonic acids of high wetting, cleansing and emulsifying properties which includes the step of condensing an oxygenated terpene with an ether containing an aryl group and the step of sulfonating the said aryl group.

2,245,644

BUILDING CONSTRUCTION

Henry Braloff, Rockville Centre, N. Y.

Application September 27, 1939, Serial No. 296,733
7 Claims. (Cl. 72—46)



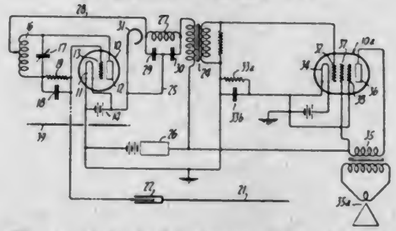
1. A track for supporting ends of a group of channel bars for wall construction comprising a base, a plurality of receptacle units extending upwardly from said base, said units being spaced from each other by an amount of the order of the thickness of said bars to accommodate an end of a bar, the width of said units being of the order of the distance between the flanges of the channel bars to permit straddling of an end of a bar about a unit and within its spacing with the next adjacent unit, each of said receptacle units having a transverse slot communicating with said spacings to accommodate one of the flanges of the channel bar extending longitudinally in either direction, whereby a plurality of distinct alignments for the channel bars are provided in either direction.

2,245,645

RADIO SIGNALING SYSTEM

Elmer L. Brown, San Francisco, Calif., assignor to Joseph B. Smith, San Francisco, Calif., as trustee

Application April 13, 1940, Serial No. 329,479
10 Claims. (Cl. 250—20)



1. In an electrical vacuum tube network for ultra high frequency signal energy, a vacuum tube having cathode, plate and control elements, a tuned inductance having its terminals operatively connected to the control and plate elements, a circuit including a source of B battery potential operatively connected to the inductance and to the cathode, a second inductance in series with

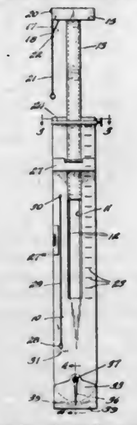
the last named circuit between the electrical mid point of the tuned inductance and the source of B battery potential, and an open ended looped conductor coupled with said last named inductance, one end of the looped conductor being connected to the cathode.

2,245,646

EXTENSION PLUMB ROD

Lingham J. Bullivant, Zion, Ill.

Application June 30, 1939, Serial No. 282,025
11 Claims. (Cl. 33—88)



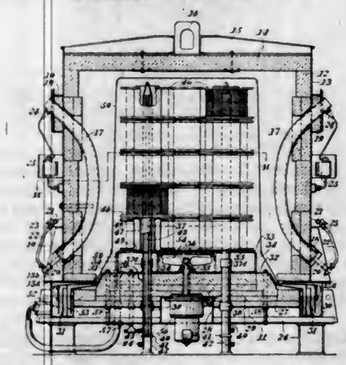
1. An extension plumb rod comprising a bottom frame member with a guide slot opening from the upper end thereof, a slide bar movable in the slot and having a cross head at the upper end, a scribing device at one side of the head having depending means for operating it, the cross head being of substantially the same width as the width of the bottom frame member, and vertical leveling means, so that a line or mark on the ceiling may be followed at the end of the head and transferred to a floor at the corresponding edge of the frame member.

2,245,647

APPARATUS FOR ANNEALING COILED STRIP

James D. Burby, Hastings-on-Hudson, N. Y., and James L. Whitten, Cleveland, Ohio, assignors to Anaconda Wire and Cable Company, New York, N. Y., a corporation of Delaware

Application April 8, 1940, Serial No. 328,466
6 Claims. (Cl. 266—5)



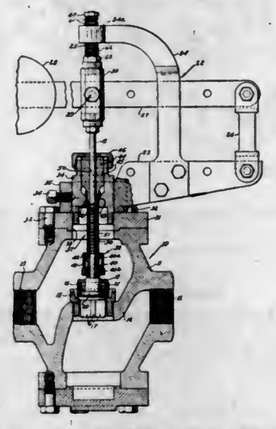
1. A furnace base adapted to receive material in coils for enclosure by a heating cover, said base including a coil support, an upstanding tubular guide tapering to a point at its upper end, rigidly attached to said base and thereby adapted to center coils disposed on the support, and connections for supplying cooling fluid to said guide.

2,245,648

VALVE SEAL

Julian A. Campbell, Long Beach, Calif.

Application January 25, 1939, Serial No. 252,786
2 Claims. (Cl. 251—31)



1. In a steam seal of the character described, the combination comprising a body, a longitudinally movable stem extending into said body, a longitudinally deformable elastic tube surrounding said stem and subjected to longitudinal strain as a result of movement of the stem, means providing fluid tight connections between longitudinally spaced portions of the tube and said body and stem respectively, a spring resisting movement of the stem in one direction, and yielding means outside said body exerting against said stem a force compensating for resistance offered by said spring and longitudinal strain of said tube, the last mentioned means comprising a bracket mounted on said body, and a spring encircling said stem and bearing against the bracket.

2,245,649

LUBRICANT AND METHOD OF MAKING SAME

Amerigo F. Caprio, Newark, N. J., assignor to Celluloid Corporation, a corporation of New Jersey

No Drawing. Application October 2, 1934, Serial No. 746,507
2 Claims. (Cl. 252—54)

1. A steam turbine lubricant consisting of 50 parts of chlorinated diphenyl and 50 parts of a triaryl phosphate.

2,245,650

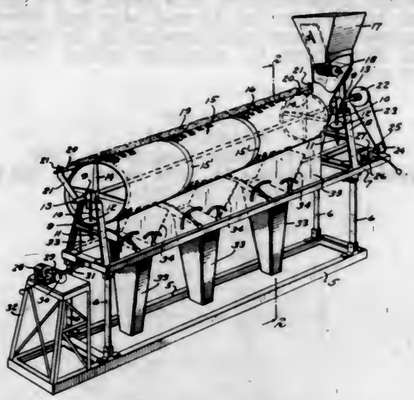
GRAIN SEPARATING MACHINE

Ovie N. Christopherson, Minneapolis, Minn.

Application August 30, 1939, Serial No. 292,649
2 Claims. (Cl. 209—287)

1. In a separating machine, a separating screen, means for simultaneously imparting to said screen endwise reciprocating and transverse movements, said screen having elongated

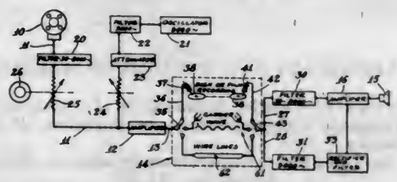
slots extended in the direction of its longitudinal reciprocating movement, the transverse movement thereof being crosswise of the direction of said slots.



2,245,651
MOLD COATING
James R. Craig and Charles W. Swartout, Kenmore, N. Y., assignors to The Linde Air Products Company, a corporation of Ohio
No Drawing. Application September 11, 1940, Serial No. 356,360
9 Claims. (Cl. 22—189)

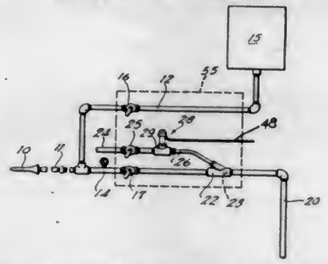
1. A method of coating molds which comprises applying to the mold surface a liquid mixture composed of an oil and a solution of a condensed benzene ring compound derived from coal tar, and burning said liquid mixture with a carbon depositing flame.

2,245,652
METHOD OF AND APPARATUS FOR THE REPRODUCTION OF SOUND
James E. Dickert, Highland Park, Ill., assignor to World Broadcasting System, Inc., New York, N. Y., a corporation of Delaware
Application December 7, 1938, Serial No. 244,436
31 Claims. (Cl. 179—1)



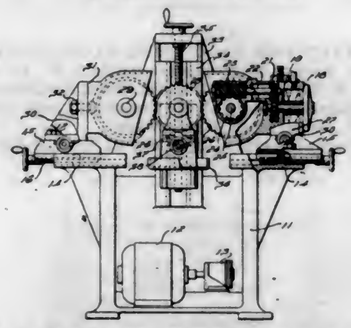
1. The method of obtaining correspondence between the dynamic patterns of an audibly produced sound sequence and an audible reproduction of such sequence reproduced after transmission of a transduced representation of the sequence through an intermediate media requiring squeezing of the sound-induced representations to bring such representations within the intensity-variation capabilities of the media, which consists in transmitting in timed relation to such representations a corrective signal which, as an incident to the squeezing of the sound induced representations, has been varied in intensity in predetermined ratio to such squeezing so as to be indicative of the expansion or reduction required in the intensity of the transmitted representations to restore the original dynamic pattern thereof, and automatically utilizing the corrective signal to expand or reduce such representations as an incident to the audible reproduction of the sound sequence.

2,245,653
THERAPEUTIC APPARATUS
Hugh E. Dierker, Los Angeles, Calif.
Application April 1, 1940, Serial No. 327,268
4 Claims. (Cl. 128—227)



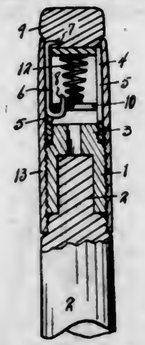
1. In a therapy apparatus, the combination of: an applicator; an inlet conduit connected to said applicator; liquid supply means connected to said inlet; an outlet conduit connected to said applicator; inlet and outlet valve means for said conduits; vacuum producing means connected to said outlet conduit and operable to produce a vacuum therein; and vent means operable to automatically vent said vacuum producing means to the exterior only when said vacuum producing means is in non-operating condition.

2,245,654
GEAR LAPPING AND FINISHING MACHINE
Joseph C. Drader and John D. Rovick, Detroit, Mich., assignors to Michigan Tool Company, a corporation of Delaware
Application August 24, 1935, Serial No. 37,671
6 Claims. (Cl. 51—26)



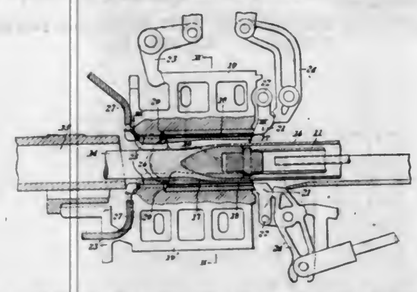
1. A machine for finishing gears to accurate dimension including, in combination, a rotatable gear-like tool, means for driving said tool in rotation, means for advancing a gear to be machined by said tool along a line substantially parallel to a tangent to the tool adjacent the point of machining contact from a position "away from" to a position at least "on" a line normal to said tangent which passes through the axis of the tool, and a second tool likewise positioned to have the gear pass through the center line through the tools normal to said tangent.

2,245,655
HOLDER FOR CUE TIPS AND THE LIKE
Jesse L. Dukes, Fort Worth, Tex., assignor to Theo. S. Webb, Fort Worth, Tex.
Application December 19, 1939, Serial No. 310,019
5 Claims. (Cl. 273—70)



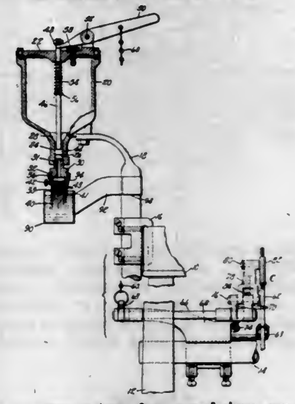
1. A holder for cue tips and the like consisting of a cylindrical member having a plurality of hooks adapted to project into a cue tip, said hooks projecting into the sides of said member, resilient means carried in said cylindrical member and cooperating with said hooks for resiliently forcing said tip against the end of said member, a cue stick screwed into an elongated cylindrical shell, and the end of said stick having means to engage said cylindrical member and pull the same into said shell.

2,245,656
WATER-COOLED GUIDE SHOE FOR PIERCING MILLS
Harold E. Engelbaugh, Youngstown, and Herbert Davis, Poland, Ohio, assignors to The Youngstown Sheet and Tube Company, Youngstown, Ohio, a corporation of Ohio
Application September 27, 1939, Serial No. 296,748
4 Claims. (Cl. 80—51)



1. Piercer mill guides for directing a heated billet onto a piercer point, said guides including opposed shoes adapted to be engaged by the billet and subject to heating by contact therewith, said shoes being cast from an alloy which is highly resistant to heat and abrasion, and having a plurality of cast-in conduits distributed across the billet-engaging faces of the shoes, means for supporting said shoes in spaced relation adjacent the pass of the mill, and connections for supplying cooling fluid to said conduits, whereby to maintain the shoes at substantially uniform temperature throughout and prevent spalling or breakage of the shoes resulting from differential thermal expansion and contraction thereof.

2,245,657
APPARATUS FOR APPLYING ADHESIVE TO SHOE PARTS
Andrew Eppler, Jr., Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application March 15, 1939, Serial No. 261,983
15 Claims. (Cl. 12—80)



1. In an apparatus for applying an adhesive to shoe-parts, an adhesive-receptacle having an extension furnishing a delivery-throat, a brush secured to the extension and to which the adhesive is delivered from the receptacle, a plunger fitting the throat to normally close it, and means extending within the receptacle for entirely retracting the plunger from the portion within which it fits to open the throat and thereafter for moving said plunger into its throat-closing relation to force a charge of the adhesive into the brush.

2,245,658
INHALING DEVICE
Clarence N. Erickson, Glendale, Calif.
Application October 15, 1937, Serial No. 169,161
4 Claims. (Cl. 128—198)

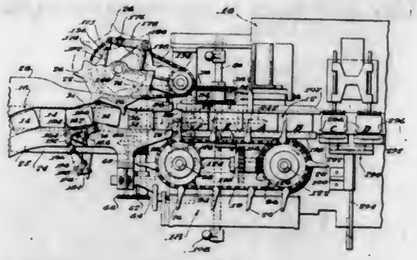


1. An inhaling device comprising an articulated tubular mask holder through which gas is introduced into a mask, a mask having openings in opposite sides thereof, and tubular end portions on said holder extended through said openings and into the mask and having closed terminals and formed with outlet orifices in the sides thereof, arranged to discharge the gas in a direction away from the open side of the mask.

2,245,659
LABELING MACHINE
Arthur Clarence Everett, Boston, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application April 4, 1940, Serial No. 327,750
10 Claims. (Cl. 216—57)

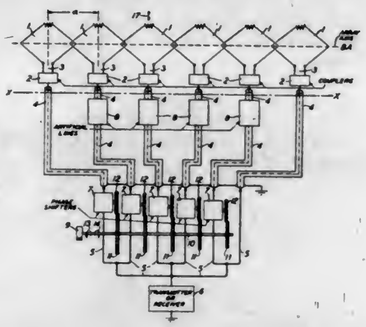
5. In a labeling machine of the character described having a plurality of spaced stations for

performing successive labeling operations, conveying mechanism for conveying a plurality of containers into accurately registered position with relation to said labeling stations, including an intermittently operated conveyor for supporting and delivering containers transferred thereon



into operative position with respect to said labeling stations and a continuously operated conveyer adapted to deliver containers to said intermittently operated conveyer in predetermined spaced relation and in timed relation to the intermittent movement of said latter conveyer.

2,245,660
RADIO SYSTEM
Carl B. H. Feldman and Harald T. Friis, Rumson, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 12, 1938, Serial No. 234,562
12 Claims. (Cl. 250—11)



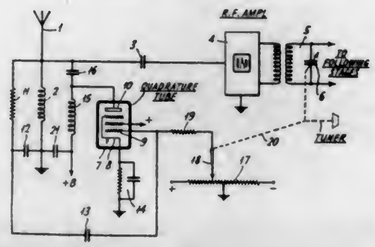
1. A method of radio communication between two stations, utilizing at one station a transmitting system comprising an antenna having a relatively large fixed vertical directive range and means for steering the azimuthal plane direction of maximum action of said antenna over a given range and, at the other station, a receiving system comprising an antenna having a relatively large fixed azimuthal directive range and means for steering the vertical plane direction of maximum action of said antenna, which comprises positioning the transmitting and receiving antennas so that their azimuthal directive ranges are directed toward each other substantially, steering the azimuthal plane direction of maximum action of the transmitting antenna so as to coincide with the optimum azimuthal path between said stations, and steering the vertical plane direction of maximum action of the receiving antenna so that it coincides with the optimum path between said stations.

2,245,661
SAFETY SCAFFOLD ATTACHMENT FOR LADDERS
Robert W. Fieroh, Chicago, Ill.
Application June 5, 1940, Serial No. 338,896
10 Claims. (Cl. 304—10)



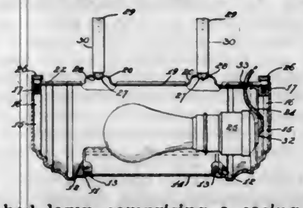
1. A safety scaffold attachment for ladders, comprising a suspension ladder provided with hooks on its upper end whereby it may be hung from a rung of an inclined ladder, and a scaffold slidably mounted on said suspension ladder and provided with hooks whereby it may be hung from a rung of said suspension ladder, another hook on said scaffold, and a harness adapted to be worn by a workman equipped with a ring engageable with said last-named hook.

2,245,662
ANTENNA TUNING CIRCUIT
Dudley E. Foster, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 16, 1937, Serial No. 180,106
4 Claims. (Cl. 250—20)



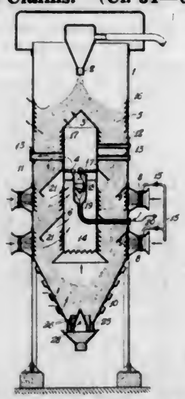
2. A receiving system having in combination a selector circuit tunable over a range of signal frequencies, an antenna circuit coupled to the selector circuit and having a high inductance coil which resonates with the inherent capacity of the antenna circuit at the low frequency end of the above range of frequencies, a thermionic impedance effectively in shunt to said antenna circuit coil for controlling the effective impedance of said coil, means for varying said thermionic impedance, and means for adjusting the tuning of the selector circuit conjointly with adjustment of said impedance varying means.

2,245,663
BED LAMP
Jack Galter, Chicago, Ill., assignor to Victor Nemeroff, Chicago, Ill.
Application February 19, 1941, Serial No. 379,649
2 Claims. (Cl. 240—4)



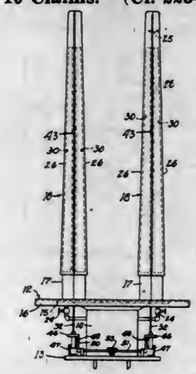
2. A bed lamp comprising a casing having a window in its front portion and an open back portion, said casing having therein a pair of substantially deep, threaded, spaced bosses at its side portions, a panel having a flat body portion and flat end portions on the same plane as said body portion, said panel extending across the open back portion of said casing, the end portions of said panel positioned against the outer ends of said bosses and lying substantially flush with the open back portion of said casing, removable members extending forwardly through the end portions of said panel and threaded into said bosses for attaching said panel to said casing, lighting means positioned within said casing and attached to said panel, and means attached to said panel for removably attaching the lamp to a bed.

2,245,664
DRYING SHAFT FOR GRANULAR LOOSE MATERIAL
August Gronert, Furstenwalde-on-the-Spree, Germany
Application July 2, 1938, Serial No. 217,151
In Germany December 8, 1937
6 Claims. (Cl. 34—62)



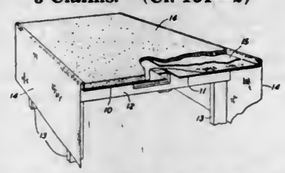
1. A drying apparatus for granular loose material such as grain, maize, peanuts, comprising a shaft adapted to receive said material, an elongated casing substantially shorter than and interiorly of said shaft and coaxially therewith so as to be surrounded laterally as well as at its top and its bottom by the material within said shaft, a blower substantially in the middle portion of said casing, first means to permit cold air to pass through the material in the lowest portion of said shaft into the lower portion of said casing, second means on a level above said first means to permit heated air to pass through the material in said shaft into said casing in a zone substantially between said lowest shaft portion and the level of said blower, and third means above said second means to permit said cold and said heated air sucked in by said blower to be forced by the latter through the upper portion of said casing and through the material in said shaft in a zone substantially above said blower.

2,245,665
LAUNDRY APPARATUS
Fred C. Hanson, Omaha, Nebr.
Application February 6, 1940, Serial No. 317,574
10 Claims. (Cl. 223—73)



1. In an ironing device of the character described, an elongated tapered stationary heated form including a pair of separate steam chambers, one for each opposite side of the form, a separate mechanism chamber disposed within said form between said steam chambers, elongated form-expanding members disposed on opposite sides of said form movable outwardly from said form, a spring-pressed mechanism within said mechanism chamber, and foot-operable means disposed exteriorly of said form adapted to operate said spring-pressed mechanism for moving said form-expanding members.

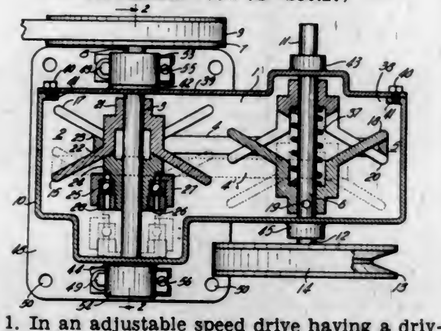
2,245,666
METHOD OF MAKING MORTAR BANDAGES
James M. Hardesty, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 30, 1937, Serial No. 177,194
3 Claims. (Cl. 154—2)



1. A method of making a bandage or wrapper for joining conduits and the like which comprises placing a piece of fabric in a hinged tray-like mold, comprising front and rear sections, with the front and rear portions of said fabric overhanging the edges of said sections, placing a layer of cementitious material over said fabric to fill up both sections of said mold, folding the rear overhanging portion of the fabric over into contact with the cementitious material located in the rear tray section to form an envelope for said material, folding over said rear tray

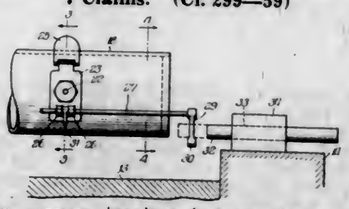
section so that the envelope contained therein contacts the remaining layer of cementitious material located in the front tray section, restoring the rear tray section to its normal position and then folding the remaining front overhanging portion of the fabric over into intimate contact with said envelope located in the front tray section.

2,245,667
VARIABLE SPEED TRANSMISSION DEVICE
Don Heyer, Los Angeles, Calif., assignor to U. S Electrical Motors Inc., Los Angeles, Calif., a corporation of California
Application July 31, 1935, Serial No. 34,049
14 Claims. (Cl. 74—230.17)



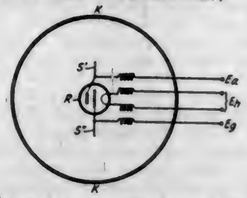
1. In an adjustable speed drive having a driving shaft, a driven shaft, a pair of pulley structures in respective axial driving relation to said shafts and a belt for transmitting power between said pulley structures, at least one of said pulley structures having an adjustable effective diameter, and in which means are provided for adjusting the effective diameter of said adjustable pulley structure to adjust the speed ratio, the combination therewith of a casing enclosing said pulley structures and providing means for supporting said shafts, said casing being relatively long to provide a substantial space between said shafts, and means for pivotally supporting said casing about the axis of one of said shafts whereby the casing may be swung about said shaft to vary the position of the other of said shafts to adapt the space occupied by the casing to operating requirements.

2,245,668
LIQUID DISTRIBUTING SYSTEM
Albert B. Hodges, Chicago, Ill., assignor to International Filter Co., Chicago, Ill., a corporation of Delaware
Application December 23, 1938, Serial No. 247,351
7 Claims. (Cl. 299—59)



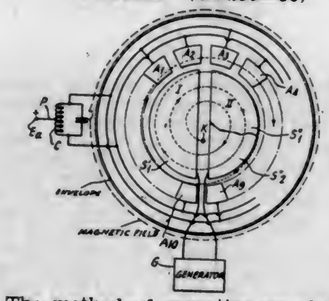
3. In sewage treatment apparatus a sewage distributor, at least one tubular arm in said distributor, discharge openings spaced along said arm, a nozzle member permanently fitted into each of said openings, a nozzle in each of said nozzle members, a hinge member rigidly secured to each of said nozzle members, a wiper member pivotally secured to each of said hinge members in centered position with respect to the respective nozzle, each of said wiper members comprising parts adapted to be inserted in and to be withdrawn from the respective nozzle, and an actuator rod substantially as long as said arm, rotatable and laterally slidable with respect to said arm and adapted to control all of said wiper means of said arm with respect to their being inserted in or withdrawn from the respective nozzles.

2,245,669
OSCILLATION GENERATOR
Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 17, 1938, Serial No. 246,439
In Germany December 29, 1937
4 Claims. (Cl. 250—36)



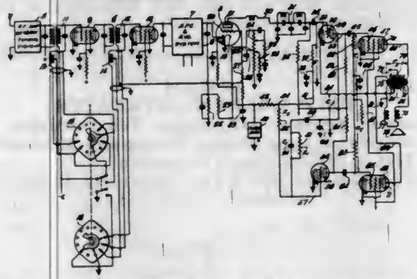
1. In combination, an electron discharge device having input and output electrodes, separate antennae coupled to said electrodes, and means without which said device will not oscillate for causing said device to produce oscillations comprising a metallized surface of revolution surrounding said device, said surface of revolution having such dimensions and said device being so located in the interior thereof that energy radiated by that antenna connected to said output electrode is reflected by said surface and received by the other antenna connected to said input electrode in such phase as to cause the production of oscillations, and another antenna located in the interior of said surface of revolution for picking up a portion of the energy in said interior.

2,245,670
OSCILLATION GENERATOR
Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 31, 1938, Serial No. 248,816
In Germany February 16, 1938
9 Claims. (Cl. 250—36)



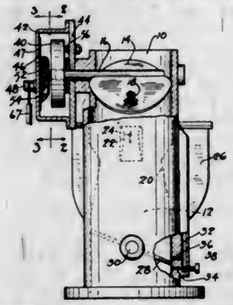
6. The method of operating an electron discharge device which comprises the steps of successively accelerating electrons in a uniform magnetic field, subsequently successively subtracting energy from said electrons with a consequent continual deceleration thereof, and utilizing the subtracted energy to produce ultra high frequency oscillations.

2,245,671
INVERSE FEEDBACK AMPLIFIER
Paul F. G. Holst and Loren R. Kirkwood, Oaklyn, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application August 31, 1939, Serial No. 292,930
11 Claims. (Cl. 179—171)



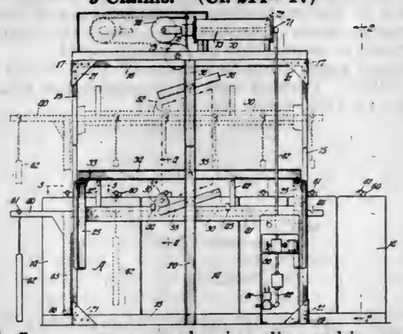
1. An inverse feedback amplifier comprising, in combination, a driver stage, a phase inverter stage, a balanced output amplifier stage impedance coupled to said first and second-named stages and having an inverse feedback connection with said driver stage, means including a coupling network between said driver stage and said inverter stage for applying a predetermined value of signal voltage to said inverter stage, and means in said last-named network for compensating the input capacitance of said inverter stage thereby to prevent phase shift in the feedback loop of the amplifier through said inverter stage.

2,245,672
CARBURETOR
Scott F. Hunt, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application September 17, 1934, Serial No. 744,329
22 Claims. (Cl. 123—119)



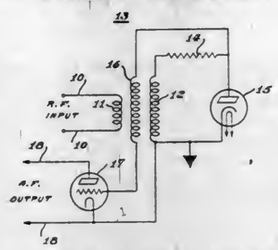
1. In a carburetor for an internal combustion engine having an electric ignition system including a generator to supply electric current, a main induction passage in the carburetor, an unbalanced choke valve pivotally mounted in the induction passage, thermostatic means urging the choke valve closed when cold, and electric heating means adapted to heat the thermostat to decrease the force of said thermostat when the engine is started and electric current is supplied by the generator.

2,245,673
CONVEYER MECHANISM
George E. Huenerfauth, Evanston, Ill., assignor to Crown Rheostat & Supply Co., Chicago, Ill., a corporation of Illinois
Application December 2, 1939, Serial No. 307,247
9 Claims. (Cl. 214—17)



1. In a conveyer mechanism disposed in operative relationship with a series of tanks, and adapted to convey articles successively from tank to tank, a supporting structure, a vertically moving framework therein, a longitudinally movable article carrying framework, rollers mounted on said latter framework, inclined bars carried on said supporting structure cooperating with said rollers to utilize the vertical motion to longitudinally move said article carrying framework the length of one unit tank in one direction when said vertically moving framework approaches its upper limit, and in the opposite direction when said vertically moving framework approaches its lower limit.

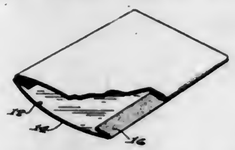
2,245,674
DETECTION OF MODULATION IMPULSES
Frank Huetwohl, Jr., Sharon Hill, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application June 30, 1939, Serial No. 282,294
3 Claims. (Cl. 250—27)



3. In a modulated signal detector, the combination of a signal input transformer having a secondary winding, a diode detector and an impedance device providing an output impedance element for said detector connected serially across at least a portion of said secondary winding, thereby to rectify signals received on said secondary winding and to provide the modulation and signal carrier components thereof across said impedance device, an amplifier for the modulation component of the rectified signal having an input circuit connected with said

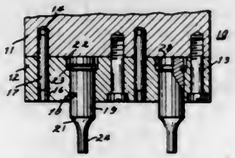
output impedance element, and a tertiary winding for said transformer serially included in said last named connection and so coupled and phased with said secondary winding that the carrier component of the signal is cancelled at the input circuit of said amplifier, whereby the modulation component of the signal freed of the carrier component is applied to said amplifier.

2,245,675
METHOD OF MAKING PAPER BAGS
Oscar H. Hultin, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Original application November 17, 1936, Serial No. 111,267. Divided and this application February 11, 1938, Serial No. 190,012
2 Claims. (Cl. 93—35)



1. The method of making a metal foil lined bag which consists in folding edge portions of a composite foil and paper sheet over upon the metal foil surface thereof and applying adhesive thereto to form seam forming strips having adhesive carrying exposed paper surfaces, folding the sheet about a center line into bag forming relation and pressing together the contacting adhesive carrying paper surfaces of said seam forming strips.

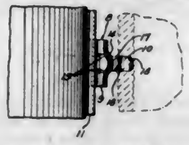
2,245,676
TOOL ATTACHMENT
Emil M. Johnson, Jamestown, N. Y.
Application June 11, 1940, Serial No. 339,918
7 Claims. (Cl. 164—118)



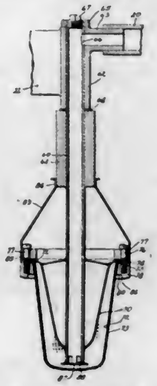
1. A tool attachment comprising a plate having an opening therethrough, a tool having a diameter such as to engage the walls of said opening, and means carried by said tool, said means being firmly engageable with said plate in one direction to prevent withdrawal of said tool from said opening and freely disassociable from said plate in the opposite direction.

2,245,677
SAIL EDGE SECURING FIXTURE
Roger E. Joys and John E. Joys, Whitefish Bay, and Arnold F. Meyer, Wauwatosa, Wis., assignors to Joys Brothers Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 17, 1939, Serial No. 256,972
1 Claim. (Cl. 114—112)

A sail edge securing fixture, comprising a slide bracket for slidably mounting on a track, said bracket having an outwardly offset curved strap with an opening adjacent the strap, the ends of the strap also being curved to provide curved boundaries for said opening, and a U-shaped malleable clasp, transversely curved and medially engaged by the outwardly offset curved strap, the clasp being limitedly horizontally and vertically pivotally movable on said strap, the outer ends of the arms of said clasp being formed with prongs whereby the ends of said arms may clampingly embrace and bite into only a rope bound edge portion of a sail.



2,245,678
PULP MOLDING APPARATUS
Andrew Keiding, Milwaukee, Wis., assignor to American Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 8, 1937, Serial No. 152,512
9 Claims. (Cl. 92—54)

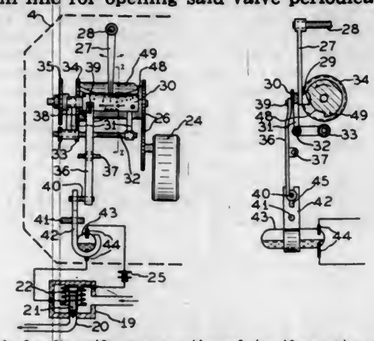


1. In a device for molding fibrous pulp, the combination with a cup-shaped mold having a screen constituting a bottom and a side wall portion, of a displacement body partially filling the portion of said mold within the wall portion thereof and connected marginally to said screen and elsewhere spaced therefrom, said displacement body having sides converging toward said wall portion and toward the marginal connection of the body with the screen, and a vacuum pipe extending through said displacement body and communicating with the space between said displacement body and said screen adjacent the bottom portion of said mold.

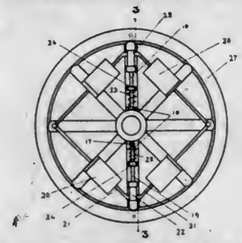
2,245,679
SAMPLING DEVICE FOR PIPE LINES
Frank B. Kelley, Overton, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 18, 1938, Serial No. 191,160
4 Claims. (Cl. 23—257)

1. A device for collecting a sample of fluid from a main line in which it is flowing comprising a branch line connected to said main line at two points, a receptacle in said branch line, a valve operable to one open position in said branch line

and means actuated by the flow of fluid in said main line for opening said valve periodically for periods directly proportional to the rate of flow of fluid in said main line.

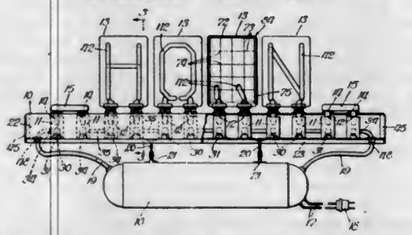


2,245,680
ROTARY CURVE GREASER
William Orlando Kelly, Annapolis Royal, Nova Scotia, and Gerald Walter Griffin, Kentville, Nova Scotia, Canada,
Application April 4, 1939, Serial No. 265,958
4 Claims. (Cl. 184—3)



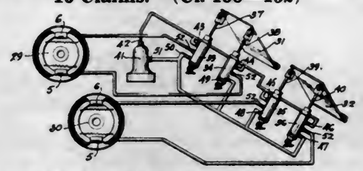
1. In a rotary curve greaser, a wheel, a plurality of lubrication boxes secured to said wheel and having passages extending therethrough, a plurality of lubrication tanks secured to said wheel, and having common passages to said lubrication boxes, and means for controlling the flow of lubrication from the tanks into the said lubrication boxes and thereafter on to the rail.

2,245,681
INTERCHANGEABLE UNIT LUMINOUS GASEOUS SIGN
Alexander H. Kenigsberg, Roxbury, Mass.
Application June 8, 1938, Serial No. 212,416
21 Claims. (Cl. 40—130)



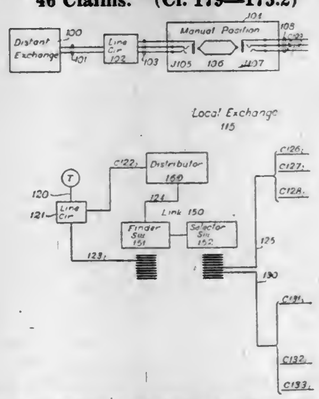
1. In a luminous gaseous tube sign, a supporting frame comprising a casing, a plurality of sockets arranged in pairs within said casing, conductors connecting adjacent sockets of adjacent pairs of sockets in series circuit relation, said frame having openings in register with said sockets, and interchangeable sign units each having the electrode terminals of the gaseous tube spaced in accordance with the spacing of said sockets and adapted for insertion through said openings and selectively into direct engagement with said sockets.

2,245,682
BRAKE
Henry H. Kerr, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application May 9, 1938, Serial No. 206,703
13 Claims. (Cl. 188—152)



1. In a fluid brake system comprising a plurality of brakes, a pair of brake shoes in each brake, a plurality of fluid actuators for each brake disposed between opposite ends of the said brake shoes, a fluid pressure means connected to each of said fluid actuators, and means to isolate any of said fluid actuators from the fluid pressure means when said fluid actuators fail.

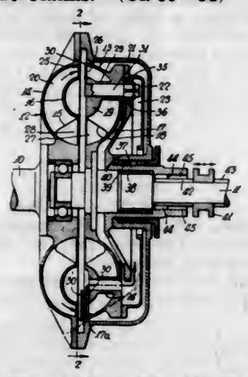
2,245,683
TELEPHONE SYSTEM
Frank Kessler, Villa Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 2, 1939, Serial No. 297,477
46 Claims. (Cl. 179—175.2)



1. In a telephone system, a subscriber substation provided with substation equipment including a telephone instrument and a telephone switch and a transmitter operative to transmit impulses, a subscriber line extending to said subscriber substation, a plurality of first testing units, each of said first testing units being operative to test a transmitter associated therewith, a plurality of second testing units, each of said second testing units being operative to test a subscriber line associated therewith, said first testing units and said second testing units being arranged in associated pairs, means controlled by initial operation of said switch for associating said telephone instrument and said transmitter

with said subscriber line, means controlled by initial operation of said transmitter for associating said subscriber line with an idle one of said first testing units, means controlled when said subscriber line is associated with said one first testing unit for rendering busy said one first testing unit and the associated one of said second testing units, means controlled by further operation of said transmitter for operating said one first testing unit, switching means operative to associate said one first testing unit with said one second testing unit, and means controlled by another operation of said switch for disassociating said telephone instrument and said transmitter from said subscriber line and for operating said switching means and for operating said one second testing unit.

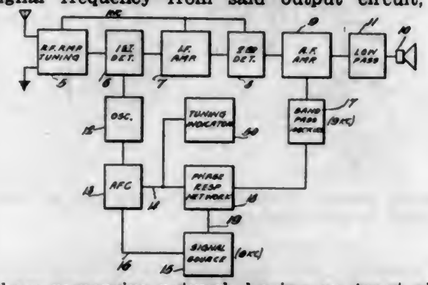
2,245,684
HYDRAULIC COUPLING
Johann Nikolaus Kiep, Hamburg, Germany, assignor to Deschimag, Bremen, Germany, a corporation of Germany
Application July 8, 1939, Serial No. 283,359
In Germany July 28, 1938
10 Claims. (Cl. 60—54)



1. A hydraulic coupling of the kinetic type, comprising annular vaned impeller and runner members in dished form, each provided with a ring section co-operating to define therebetween a working circuit for circulation of working liquid therein around a core formed by said ring sections, and an annular series of valve plates between said members, all of said plates lying substantially in a plane at right angles to the axis of the coupling, said plates being rotatable in said plane about separate axes parallel to the axis of the coupling and into position to block passage of working liquid from the outlet of the impeller member to the inlet of the runner member or out of said position, said valve plates at all times being clear of that section of the working circuit between the runner outlet and the opposed impeller inlet.

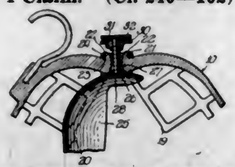
2,245,685
AUTOMATIC FREQUENCY CONTROL SYSTEM
Winfield R. Koch, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 6, 1940, Serial No. 317,509
5 Claims. (Cl. 250—40)

5. In a superheterodyne receiving system, the combination with tuning means therefor including a first detector and an oscillator, of an intermediate frequency amplifier having a predetermined bandpass characteristic, a second detector, a signal output circuit connected with said second detector, means for generating a modulating signal in an audio frequency range above the normal audio frequency output range of said receiving system, means for applying said modulating signal at a point in said system preceding said intermediate frequency amplifier to produce frequency modulation of an incoming signal at a rate determined by said modulating signal, means for deriving a signal at the modulating signal frequency from said output circuit, a



phase-responsive network having an input circuit resonant to said modulation frequency and connected with said last named means, said network further including a second input circuit resonant to said modulation frequency and connected with the modulation frequency generating means, rectifier means connected with the input circuits of the network and having an output circuit for deriving a resultant control potential therefrom.

2,245,686
LAMP GUARD
Francis C. Kollath, Chicago, Ill.
Application June 16, 1939, Serial No. 279,466
1 Claim. (Cl. 240—102)

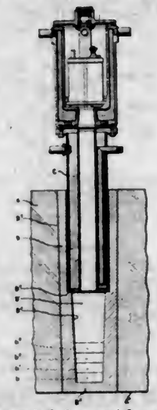


A two-part lamp guard adapted to be spread apart and comprising a shade or reflector element arranged interiorly thereof, a pair of upwardly and outwardly extending ears on the guard at the upper end thereof which when the two parts of the guard are together in closed position form a split collar having an outer annular groove, a washer element about the ears and arranged in the annular groove, said ears having semi-circular openings therein whereby a circular concentric opening is provided when the two parts of the guard are together in closed position, a threaded stem on the element extending through said opening and projecting above the top of the guard, and a lock-nut threadedly engaging the stem and spreading the ears outwardly against the washer and frictionally locking the element in place, said stem being adapted to be turned to shift the position of the element when the lock-nut is loosened.

2,245,687
PYROMETRIC ELEMENT
Anker E. Krogh, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 13, 1936, Serial No. 110,600
8 Claims. (Cl. 136—4)

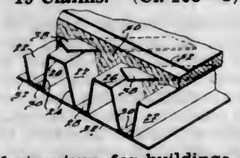
2. A pyrometric element of refractory material

adapted to be incorporated in the wall of a furnace chamber and having a well extending into the element from the side thereof which is outermost when the element is incorporated in said wall, and means for establishing a thin end wall



of refractory material for said well separating the well space from the furnace chamber and located at a distance from the said side of the element which may be successively diminished as the furnace chamber side of the element deteriorates in use.

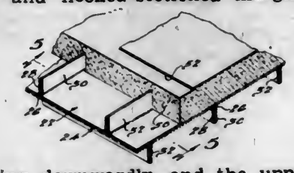
2,245,688
ROOF STRUCTURE
Richard H. Krueger, Detroit, Mich., assignor to H. E. Beyster Corporation, Detroit, Mich., a corporation of Michigan
Application December 19, 1940, Serial No. 370,744
19 Claims. (Cl. 108—1)



1. A roof structure for buildings comprising a plurality of sheet metal members of angular section extending between opposite edges of said roof section, sheet metal plate means secured to the underface of said members in substantially unbroken relationship over the entire area thereof, and transversely extending metallic bars extending across and fixed to the upper surfaces of said members, said members serving as the major load carrying elements of said structure.

2,245,689
ROOF STRUCTURE
Richard H. Krueger, Detroit, Mich., assignor to H. E. Beyster Corporation, Detroit, Mich., a corporation of Michigan
Application December 19, 1940, Serial No. 370,745
7 Claims. (Cl. 108—1)

1. A roof structure comprising a plurality of superposed sheet metal members forming the major stress transmitting elements of said structure, each of said members comprising a relatively flat strip of sheet metal each having an outwardly extending flange along one side margin thereof and an outwardly extending hooked-sectioned portion along the opposite margin thereof, the uppermost of said members all being arranged in parallelism with each other and the lower of said members being arranged in parallelism with each other and all of said members arranged with the marginal flange thereof received within the hooked-sectioned margin of the next adjacent member in the direction of the plane of the roof and rigidly fixed therein, the upper of said members arranged with the flanges and hooked-sectioned margins thereof projecting upwardly and the lower of said members arranged with the flanges and hooked-sectioned margins thereof



projecting downwardly, and the upper of said members being arranged in flat contacting relation with respect to the lower of said members and rigidly fixed thereto, the upper of said members being arranged with the flanges thereof extending diagonally of the length of said roof structure and the lower of said members being arranged with the flanges thereof extending diagonally of the length of said roof structure and transversely with respect to the direction of the flanges on the upper of said members.

2,245,690
ROOF STRUCTURE
Richard H. Krueger, Detroit, Mich., assignor to H. E. Beyster Corporation, Detroit, Mich., a corporation of Michigan
Application December 19, 1940, Serial No. 370,746
13 Claims. (Cl. 108—1)

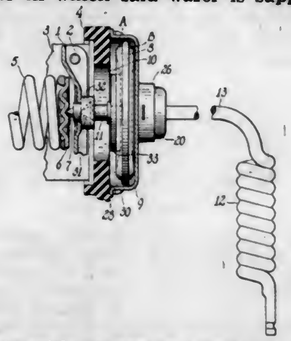


1. A roof structure comprising, in combination, a plurality of sheet metal members arranged in parallel and adjacent relationship and extending in approximate parallelism with opposite sides of said structure, each of said members comprising a base portion substantially flat in cross-sectional view, an outwardly directed flange integral with one margin thereof, and an integral outstanding sheet metal T-sectioned portion along the opposite margin thereof, said T-sectioned portion being of double thickness with the legs thereof spaced from one another and receiving the flange of the next adjacent member on one side thereof.

2,245,691
OPERATING MECHANISM FOR REFRIGERATOR CONTROLLERS AND OTHER DEVICES
Clarence W. Kuhn, Wauwatosa, and Allan P. Charbonneau, Milwaukee, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application August 7, 1937, Serial No. 157,988
8 Claims. (Cl. 297—9)

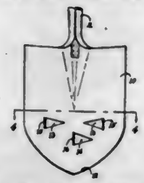
1. In an operating mechanism for refrigerator controllers and the like, in combination, a movable member, a loading spring biasing said member in one direction, a pressure responsive expansible wafer formed of opposed cupped elements

of thin sheet metal connected peripherally, a member interposed between said movable member and said wafer, and means to support all such parts in a cooperative relation, said wafer having fixed to one wall centrally thereof a nipple and said supporting means including a cupped casing for said wafer in which said wafer is supported by



said nipple with clearance between said wafer and said casing at the periphery of said wafer and throughout an annular area of said wafer, said nipple having within said wafer an annular shoulder surrounding the joint between said wafer and said nipple and said casing having an annular bead clamping against said annular shoulder of said nipple the interposed wall of said wafer.

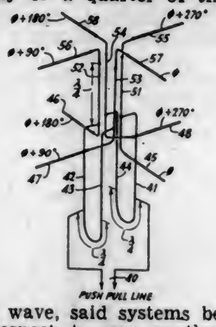
2,245,692
SHOVEL
John M. Lamb, Salem, Oreg.
Application February 17, 1940, Serial No. 319,505
1 Claim. (Cl. 294—49)



A shovel of the class described, characterized by having three triangular slots formed therein, two of said slots being directly opposite each other and having their opposite ends in parallelism and having the metal from said slots turned outwardly along said parallel edges to form cutting blades, the third triangular slot being between the first two slots and the shovel point, the third slot having the metal therefrom turned outwardly to form a cutting blade between the two first mentioned cutting blades and in parallelism therewith.

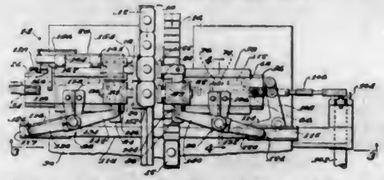
2,245,693
RADIAL RADIATING SYSTEM FOR SHORT-WAVE COMMUNICATION
Nils E. Lindenblad, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 20, 1939, Serial No. 274,717
15 Claims. (Cl. 250—33)

1. An antenna comprising a plurality of omnidirectional radiating systems of similar characteristics located in different parallel planes spaced apart a distance other than a quarter of the length of the operating wave and transmission lines for connecting said systems to a source of radio frequency energy, the length of said transmission lines differing by an odd multiple including unity of a quarter of the length of



the operating wave, said systems being so oriented with respect to one another and said planes so spaced that their radiation is additive in all horizontal directions.

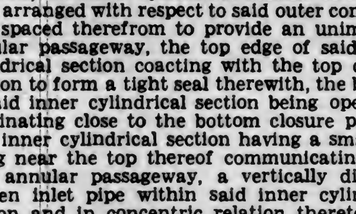
2,245,694
CONTAINER FEEDING APPARATUS
Arthur W. Lindholm, East Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application January 13, 1939, Serial No. 250,711
14 Claims. (Cl. 198—24)



1. In a container feeding device of the character described, in combination, container delivery means, container receiving means, and container transferring means for transferring two containers simultaneously from said delivery means to said receiving means comprising a horizontally reciprocable slide member, two pushers mounted upon said slide member and means for effecting a component of movement of one of the pushers in a direction at right angles to the movement of said slide member during the transferring operation whereby to impart a diagonal movement to said pusher and to effect a separation of said containers and means cooperating with said pushers for supporting the opposite side of said containers during the transferring operation.

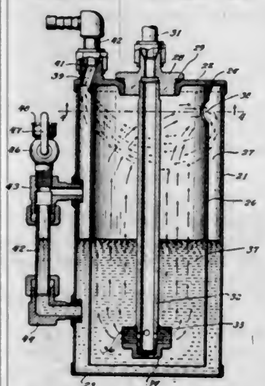
2,245,695
PULLEY
Burr Ward Mantle, Pittsford, N. Y., assignor to The American Brake Shoe and Foundry Company, a corporation of Delaware
Application April 22, 1940, Serial No. 330,860
6 Claims. (Cl. 74—230.17)

1. In a pulley, a hub for mounting said pulley on a shaft, a flange in fixed relation to said hub, a second flange positionable on said hub, the adjacent faces of said flanges being angular with respect to the radial planes thereof, thereby forming a V shaped groove therebetween, means for positioning said flanges in fixed relation to each other for one width of said V groove, and for spacing said flanges apart from each other axially and thereby increasing the width of said groove, said means for positioning and for spacing the flanges being comprised of axial projections on one of said flanges and cooperative depressions formed in the other of said flanges



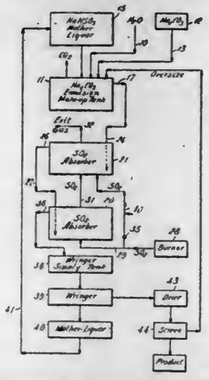
whereby different spacings between the flanges may be defined, and means to lock said flanges in either of the aforementioned relations.

2,245,696
OXYGEN THERAPY EQUIPMENT
Albert E. McKee, Chicago, Ill., assignor to Oxygen Equipment & Service Company, Chicago, Ill., a corporation of Illinois
Application December 14, 1938, Serial No. 245,582
1 Claim. (Cl. 183—24)



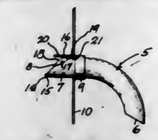
A portable oxygen humidifier, adapted to be attached to an oxygen tank, for use in oxygen therapy, comprising an outer cylindrical container adapted to hold a body of water, said container being provided with top and bottom closure portions, an inner cylindrical section concentrically arranged with respect to said outer container and spaced therefrom to provide an unimpeded annular passageway, the top edge of said inner cylindrical section coacting with the top closure portion to form a tight seal therewith, the bottom of said inner cylindrical section being open and terminating close to the bottom closure portion, said inner cylindrical section having a small opening near the top thereof communicating with said annular passageway, a vertically disposed oxygen inlet pipe within said inner cylindrical section and in concentric relation thereto, said pipe terminating near the bottom of said inner cylindrical section, an oxygen diffusion head attached to the bottom of said pipe whereby to subdivide the oxygen passing therethrough into a plurality of fine streams, and a discharge passageway on the top closure portion and spaced approximately 180 degrees from the opening near the top of the inner cylindrical section, whereby the oxygen forced through said inlet pipe is humidified solely by passing through the body of water disposed within the container and the resulting humidified oxygen then passes into and around said annular passageway wherein mechanically entrained water drops out of the oxygen prior to the discharge of the oxygen through the discharge passageway.

2,245,697
MANUFACTURE OF ALKALI METAL SULPHITES
Jesse G. Melendy, Tarrytown, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application April 24, 1939, Serial No. 269,631
8 Claims. (Cl. 23—130)



1. The process for making anhydrous sodium bisulphite which comprises forming an aqueous sodium carbonate suspension, forming a sodium sulphite liquor having acidity of not less than that at which a representative 10 c. c. sample of the liquor requires 6 c. c. of N/1 NaOH to bring such 10 c. c. sample to neutral to phenolphthalein, introducing said suspension into said liquor while agitating the resultant mass and gassing the same with sulphur dioxide, controlling rates of introduction of said suspension and sulphur dioxide gassing so as to constantly maintain substantially the whole of said mass at acidity not less than that at which a 10 c. c. representative sample of the mass requires 6 c. c. of N/1 NaOH to bring such 10 c. c. sample to neutral to phenolphthalein, gassing the mass with sulphur dioxide to form a suspension of anhydrous sodium bisulphite, and separating the latter from the liquor.

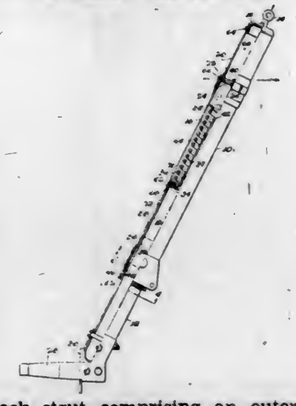
2,245,698
PIERCING TAP
Howard Miller, Burlingame, Calif.
Application June 1, 1939, Serial No. 276,848
1 Claim. (Cl. 221—23)



A tap comprising an outlet spout, an inlet stem having a slanting inlet opening at its end, a cutting edge formed on the inlet opening being so shaped as to form a rounded cutting lip at one side of the outer edge of the inlet opening and curving around the slant with a concave curvature from one side of said lip and with a convex curvature from the other side of the lip, said concave and convex edges joining at the inner apex of the slanting edge, the convex edge being

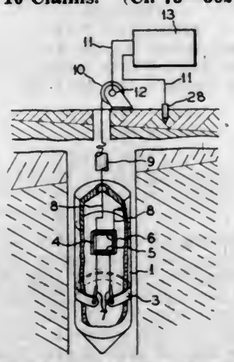
so curved as to push the cut-away portion of the container wall to an out of the way position above said inner apex of said slanting inlet opening.

2,245,699
SHOCK STRUT
William H. Miller, Philadelphia, Pa., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 12, 1936, Serial No. 115,597
1 Claim. (Cl. 267—34)



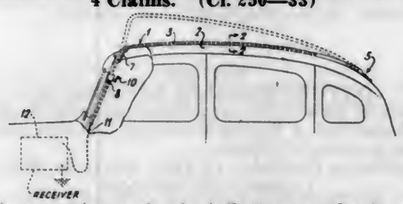
A shock strut comprising an outer member, raised internal splines on a portion of the inner surface of said outer member, a telescoping inner member, external splines on the internal member, matching and interengaging the internal splines of the outer member, and an unsplined portion on said inner member having an axial size substantially the same as the outer surfaces of the external splines, adapted to act as a bearing surface for the unsplined portion on the outer member, and to act as a stop to relative movement between the two members.

2,245,700
RESISTANCE THERMOMETER
Whitman D. Mounce, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 8, 1937, Serial No. 167,965
10 Claims. (Cl. 73—362)



1. A device for measuring temperature in a borehole filled with fluid comprising an uninsulated electrical conductor arranged for free heat exchange with the fluid in the borehole and having a resistance which is small compared to that of the fluid in the borehole and which is variable with temperature, means for moving the conductor along the borehole, means for supplying alternating current to said conductor and means for measuring changes in the impedance of the conductor.

2,245,701
RADIO ANTENNA FOR AUTOMOBILES
Garrard Mountjoy, Manhasset, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 29, 1939, Serial No. 297,076
4 Claims. (Cl. 250—33)

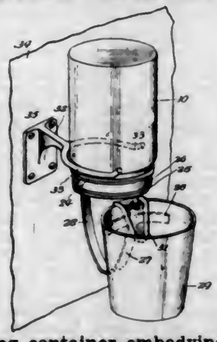


1. An antenna for installation on the tops of motor vehicles, comprising a rod of insulating material and a conductor embedded therein, said rod being attached at one end to the top of the vehicle, the opposite end of the rod extending through the top, and means within the vehicle cooperating with the latter end whereby the same may be raised or lowered at will.

2,245,702
GREASE COMPOSITION
Arnold J. Morway, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 24, 1937, Serial No. 176,222
3 Claims. (Cl. 252—40)

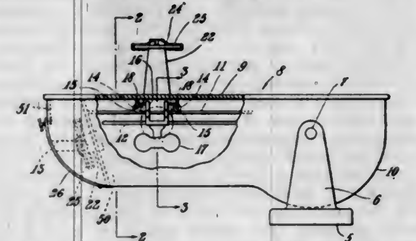
1. An improved substantially anhydrous lubricating grease consisting of mineral oil, from 10 to 40% of a soda soap and barium soap mixture, the said soaps being in a proportion of from about 10 to 1, to about 1 to 1.

2,245,703
DISPENSING CONTAINER
Alois C. Mueller, Chicago, Ill.
Application September 27, 1939, Serial No. 296,713
1 Claim. (Cl. 221—67)



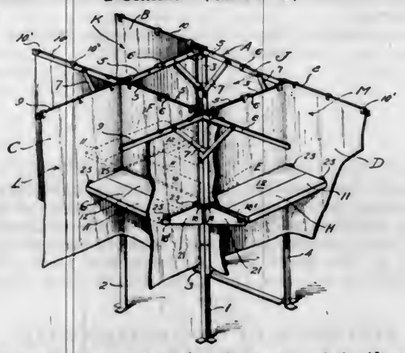
A dispensing container embodying a jar having a neck provided with external cap fastening means, a cap for the jar including an annular flange for removable attachment with the jar, a spring element, one end of which is secured to the cap, said spring element being bent back upon itself to form spaced portions of substantial length, said cap having an opening therethrough, a slide for controlling said opening, means connecting the other end of the spring to said slide, said slide being movable to uncover said opening by pressure exerted upon one of said portions of the spring by a receptacle forced against the latter, and a spout supported by the last said portion of the spring and positioned to overhang the edge of and discharge into said receptacle.

2,245,704
X-RAY TABLE
Herbert A. Newman, Flushing, N. Y., assignor to Philips Metalix Corporation, New York, N. Y.
Application December 27, 1939, Serial No. 311,100
3 Claims. (Cl. 250—57)



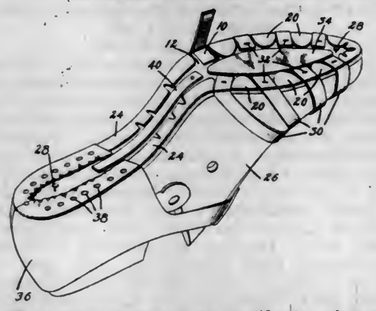
1. An X-ray table comprising a base, a top supported by said base, a fluoroscopic screen holder having an operative position above the table top and a storage position below the level thereof, and means supporting said holder from said table and permitting rotation of the same into the storage position, said means comprising a member pivoted on an axis substantially parallel to the table top and located at a point below the level of the table top.

2,245,705
VOTING BOOTH
Kenneth T. Norris, Los Angeles, Calif.
Application September 26, 1938, Serial No. 231,768
1 Claim. (Cl. 20—3)



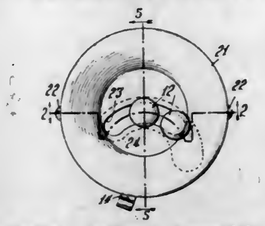
A shelf supporting structure, a curtain thereon having openings therein, a shelf, pins on said shelf extending thru said openings, and brackets carried by said structure and having slots for reception of said pins, certain of said slots and pins being respectively located adjacent the outer ends of said bracket and the outer longitudinal edge of said shelf and said certain slots being of the bayonet type to prevent accidental dislodgment of said shelf from said bracket, the other of said slots and pins being disposed adjacent the inner edge of the bracket and said other slots being substantially straight and opening upwardly at the upper edges of said brackets.

2,245,706
MANUFACTURE OF STRAP SANDALS
William H. Nutt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application September 15, 1939, Serial No. 295,115
12 Claims. (Cl. 12—146)



1. That improvement in methods of making insoles for strap sandals which consists in providing an insole of readily compressible and substantially inelastic material, and simultaneously compacting a plurality of relatively narrow portions spaced from one another along the margin of the insole, thereby compacting and consolidating the insole material in said portions and providing in one side of the insole, a plurality of marginal strap-receiving recesses without weakening the insole in the vicinity of the recesses.

2,245,707
ELECTRIC LANTERN
Charles S. Packer, Chicago, Ill., assignor to Justrite Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 29, 1938, Serial No. 187,599
11 Claims. (Cl. 240—10.6)



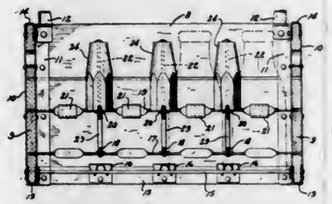
1. An electric lantern comprising a battery casing, a housing for a switch member mounted upon one end of the battery casing and having an outer wall constituting a reflector equipped with a slot intersecting the axis of said reflector and casing, a slidable closure plate for said slot disposed within said casing and equipped with spaced apart openings, a shiftable lamp carrier mounted within said housing, lamp sockets mounted upon said carrier projecting through the openings in said closure plate, an electric terminal disposed axially of the battery casing within said housing, means on the lamp carrier associated

with the lamp sockets for closing one side of the battery circuit through a lamp in said socket when said carrier is disposed to bring one of said lamps into alignment with said battery terminal, the other side of said circuit being permanently connected with the lamp socket through said closure plate and reflector, the battery circuit being open when none of the lamps is disposed in axial alignment with the battery casing.

2,245,708
COATING PROCESS
Carl W. Patton, Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application March 9, 1938, Serial No. 194,765
6 Claims. (Cl. 91—70)

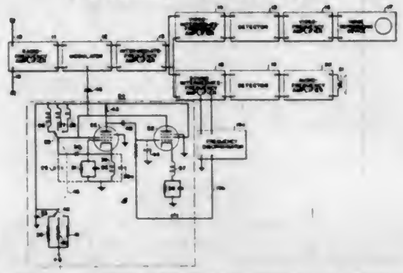
1. Process of coating articles which comprises applying to their surface a homogeneous fluid dispersion of a vinyl resin in an essentially volatile organic liquid composition maintained at an elevated temperature, said liquid composition being composed of a mixture of an active solvent for the vinyl resin and an organic liquid of the group of volatile aromatic hydrocarbons, ethylene glycol monobenzyl and monobutyl ethers, diethylene glycol monobutyl ether and diacetone alcohol, which mixture is incapable of forming homogeneous fluid dispersions with said vinyl resin at ordinary temperatures but capable of forming such dispersions at said elevated temperature, and thereafter removing the volatile portion of said organic liquid composition from the applied dispersion and depositing on said surface an essentially homogeneous, strong and flexible resinous film of said vinyl resin, the vinyl resin being substantially identical with one resulting from the conjoint polymerization of a vinyl halide with a vinyl ester of an aliphatic acid containing from about 70% to about 95% by weight of the vinyl halide.

2,245,709
BOTTLE CRATE
Robert L. Quirk, Wauwatosa, Wis., assignor to Quirk Crate Company, Cudahy, Wis., a copartnership composed of William Quirk, William J. Quirk, James F. Quirk, and Robert L. Quirk
Application January 13, 1939, Serial No. 250,693
3 Claims. (Cl. 217—19)



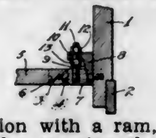
In a crate, sets of partition strips secured therewithin dividing the interior of the crate into compartments, some of the partition strips being elevated and crossing other partition strips, nonmetallic posts seated on and extending only upwardly from the various points of juncture of the uppermost crossed partition strips, and means extending axially of and through the posts for tying a pair of crossed partition strips together at their intersection and for mounting and securing a post thereon.

2,245,710
FREQUENCY CHANGING SYSTEM
John A. Rado, Flushing, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application December 30, 1939, Serial No. 311,901
6 Claims. (Cl. 250—20)



1. In an ultra-high-frequency modulated-carrier signal receiver, a frequency-changing system for deriving from selected received modulated-carrier signals intermediate-frequency modulated-carrier signals comprising, an oscillator circuit, means for selectively proportioning the constants of said oscillator circuit to oscillate at any desired one of a plurality of different frequencies, a frequency-correction circuit coupled to said oscillator circuit including electron-discharge variable impedance means to adjust the frequency of said oscillator circuit to the proper value for deriving the selected intermediate-frequency signals, the phase angle of said impedance incidentally tending to vary with respect to the oscillator circuit voltage with variations in frequency due to variations in the effect of electron transit time of said impedance means thereby to impair the frequency correction of said oscillator, an oscillator voltage compensating circuit coupled to said correction circuit, and means for selectively proportioning the constants of said compensating circuit to counteract any tendency of the phase angle of said impedance to vary with frequency resulting from the selection of any desired one of said plurality of different frequencies.

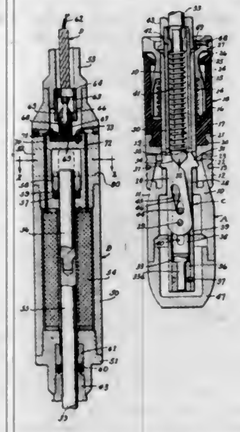
2,245,711
BACK BRACE FOR MACHINE TOOL RAMS
Albert Rafter, Glen Ridge, N. J., assignor to Rafter Machine Company, Belleville, N. J., a partnership
Application May 4, 1940, Serial No. 333,298
7 Claims. (Cl. 164—47)



1. In combination with a ram, a back brace therefor, means for securing the brace to the ram, said brace having a bevelled edge adjacent the ram, a wedge positioned between the bevelled edge of the brace and the ram, and means for adjustably securing the wedge to the back brace.

2,245,712
ELECTRICALLY CONTROLLED WELL PACKER
Thomas M. Ragan, Downey, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California
Application June 13, 1939, Serial No. 278,839
14 Claims. (Cl. 166—13)

1. In an apparatus of the character described, a packer body adapted to be lowered in a well casing, retracted means carried by said body for engagement with said casing, means tending to move said retracted means into engagement with



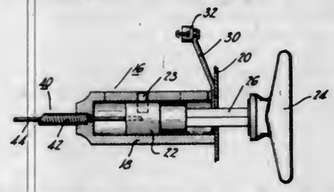
said casing, means for restraining said moving means, and means operatively associated with said restraining means and movable upwardly with respect to said packer body to release said restraining means.

2,245,713
RECLINING CHAIR
William A. Redmond, Corry, Pa.
Application April 29, 1938, Serial No. 205,053
2 Claims. (Cl. 155—57)



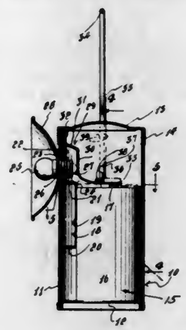
1. In a tilting device for a chair, a pair of relatively slidable members, one superposed on the other, the contacting surfaces of said members being of irregular contour and having substantially only point-like contact intermediate the extreme adjusted positions of said members and interengageable means on said members adjacent at least one end of said surfaces, said means when interengaged providing a relatively large area of contact of said surfaces.

2,245,714
TRANSMISSION CONTROL MECHANISM
Harold W. Price and Earl R. Price, South Bend, Ind., assignors to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application February 9, 1939, Serial No. 255,378
1 Claim. (Cl. 74—473)



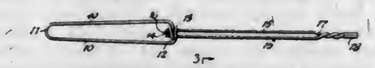
In an automotive vehicle provided with a change-speed transmission comprising a plurality of spaced shifter bars, and further comprising means for selecting a bar to be moved and means for moving the selected bar to establish the transmission in gear, means for actuating both the rail selecting means and the rail operating means including a selector unit mounted within reach of the driver, said unit consisting of a housing member provided with a plurality of parallel guide slots therein extending lengthwise thereof and a slot interconnecting said slots, a plunger member mounted within the housing member, said plunger member being provided with a pin projecting therefrom and movable within said slots, means consisting of a manually operable knob and a shaft interconnecting said knob and plunger for rotating and bodily moving said plunger to thereby move said pin in said guide slots, a crank non-rotatably and slidably mounted upon the shaft, force transmitting means interconnecting the crank with that part of the transmission operating means operable to select a shift rail to be actuated, and other force transmitting means interconnecting the plunger with that part of the transmission operating means operable to move the selected rail to place the transmission in gear.

2,245,715
TOY CAMP LANTERN LIGHT
Charles D. Rieck, St. Paul, Minn., assignor to Louis F. Dow Company, a corporation of Minnesota
Application January 27, 1941, Serial No. 376,068
3 Claims. (Cl. 240—10.63)



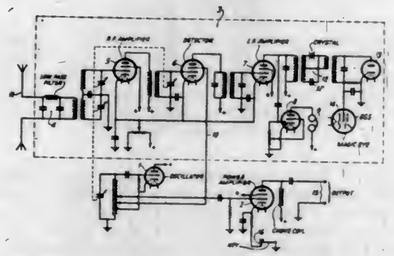
1. In a toy camp lantern light, a casing, a battery cell therein having a top center terminal and a conductor side wall, a light bulb and reflector mounted in the side wall of the casing above the battery cell, a conductor member interposed between the side wall of the battery cell and the threaded base of the light bulb, a switch contact member mounted in the casing in constant engagement with the center base terminal of the light bulb and normally spaced from the center terminal of the battery cell and a handle bail carried by the upper end of the casing having its inner ends overlying a portion of the switch contact member and adapted when moved from a lowered to an upright position to force the switch contact member into circuit closing engagement with the center terminal of the battery cell and wherein the casing is formed of insulation material and the conductor member includes a metallic plate having an opening in its upper end through which the lamp base is threaded and means carried by the metallic plate adapted to be engaged with the battery cell for correctly positioning the metallic plate in the casing.

2,245,716
HAIR CURLER
Albert E. Ritchie, Buffalo, N. Y., assignor to Wildroot Co., Inc., Buffalo, N. Y., a corporation of New York
Application October 1, 1940, Serial No. 359,257
1 Claim. (Cl. 132—40)



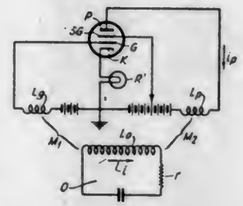
A hair curler comprising a body for supporting a roll of hair and a retainer for holding said roll on the body; said body having the form of a frame including two spaced longitudinal rods which are adapted to engage with the inner side of said roll, a transverse bow connecting the front ends of said rods, two inwardly projecting eyes overlying one another and each eye having one end connected with the rear end of one of said rods, and a frame stop formed on the opposite end of one of said eyes and extending diametrically across the openings of the eyes; and said retainer having two spaced longitudinal rods which slide lengthwise in said eyes and are adapted to engage with the outer side of said roll and which receive between them said body stop, a cross connection between the front ends of said retainer rods adapted to engage the inner side of said body stop, and a cross connection between the rear ends of said retainer rods adapted to engage the outer side of said body stop.

2,245,717
WAVE INDICATING SYSTEM
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 29, 1938, Serial No. 237,597
5 Claims. (Cl. 250—39)



5. The method of utilizing the precise frequency control equipment of a remote broadcast transmitter operating in the range substantially between 600 kc. and 1200 kc. for maintaining, with comparable precision but at a greatly higher frequency, the carrier frequency of a local short wave transmitter at a predetermined value which comprises generating local oscillations, and at the same time receiving broadcast waves from said remote transmitter, combining a portion of the energy of said oscillations with said received broadcast waves, indicating the relation between the frequencies of said locally generated and said received broadcast waves, controlling the frequency of said locally generated oscillations to maintain said relation at a predetermined value and utilizing said locally generated oscillations for the carrier frequency of said local transmitter.

2,245,718
OSCILLATION GENERATION
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 7, 1939, Serial No. 249,750
2 Claims. (Cl. 250—36)



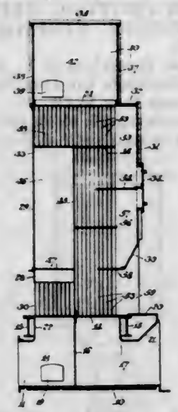
1. In combination, in an oscillation generation system, an evacuated electron discharge device having control grid, cathode and plate electrodes, individual connections each including an inductance coil from said control grid and plate electrodes to a reference point, a parallel tuned oscillatory circuit having an inductance coil coupled to said coils in said grid and plate connections, and a resistor having negligible shunt capacity connected between said cathode and said reference point, said resistor having a value as large as possible but which will not stop oscillations and being of such type that its resistance increases with increase in current flow therethrough.

2,245,719
CONCENTRATION OF OLEFINS
Richard F. Robey, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 30, 1938, Serial No. 248,471
15 Claims. (Cl. 260—677)

14. A process for the recovery of ethylene and propylene from gaseous mixtures of ethylene and propylene and saturated hydrocarbons, which comprises contacting a mixture of ethylene and propylene and saturated hydrocarbons with a solution of a liquid organic nitrogen compound selected from the group consisting of pyridine, piperidine, formamide and acetamide and a cuprous compound at a temperature of 0° to 30° C., separating the solution and expelling ethylene and propylene therefrom.

2,245,720
AIR HEATER
Josiah H. Rohrer, Philadelphia, Pa.
Application January 10, 1939, Serial No. 250,097
16 Claims. (Cl. 257—224)

4. An air heater including a casing having a gas inlet, a gas outlet, and an intermediate gas transfer chamber spaced from said gas inlet and said gas outlet, a solid bank of closely spaced tubes connecting said gas inlet with said gas transfer chamber, an air outlet from the spaces surrounding the tubes of said solid bank, a plurality of spaced banks of tubes connecting said gas transfer chamber with said gas outlet, a spacing compartment between said spaced banks, an air inlet to the spaces surrounding the tubes in said spaced banks at one end of said compartment, and a plurality of baffles intermediate the ends of said solid bank of tubes for providing a plurality of passes for circulating air in

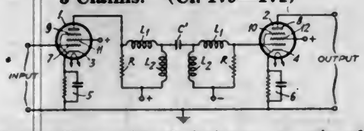


the spaces between the tubes of said solid bank in its passage to the air outlet.

2,245,721
ORGANIC REACTIONS IN SULPHUR DIOXIDE
John Ross, Robert Louis Brandt, and Joseph Henry Percy, New York, N. Y., assignors to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application July 26, 1938, Serial No. 221,352
11 Claims. (Cl. 260—476)

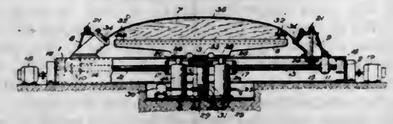
11. The process of preparing organic compounds which comprises reacting organic compounds in the presence of a Friedel-Crafts catalyst while at least one of the reactants is dissolved in liquid sulphur dioxide.

2,245,722
COUPLING NETWORK
Noël Meyer Rust, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application April 12, 1939, Serial No. 267,384
In Great Britain April 14, 1938
3 Claims. (Cl. 179—171)



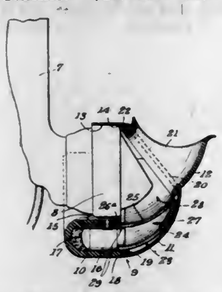
1. A coupling network between a pair of vacuum tubes for extending the frequency range in which uniform amplification is obtained over that obtainable with the conventional resistance-capacity coupling network, comprising a resistance connected in the anode circuit of the first tube, a second resistance connected in the grid circuit of the second tube, a first inductance, a coupling capacity and a second inductance connected between the anode side of the first resistance and the grid side of the second resistance, and a pair of additional inductances, one connected between the low potential end of the first resistance and the junction between the first inductance and the coupling condenser, and the other connected between the low potential end of the second resistance and the junction between the second inductance and the coupling condenser.

2,245,723
STRETCHING PRESS
Josef Salzmann, Munich, Germany, assignor to Henschel Flugzeug-Werke A. G., Schoenefeld, Kreis Teltow, Germany
Application April 1, 1939, Serial No. 265,428
In Germany April 7, 1938
7 Claims. (Cl. 153—48)



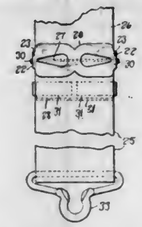
4. A die press comprising in combination two opposite vises movable towards and away from each other in a horizontal path, a die table arranged between said vises and rotatable through at least an angle of 90° about a vertical axis, and a plurality of pairs of devices for lifting and lowering said die table, the individuals of each pair being arranged diametrically opposite with respect to said axis, and being spaced to support the table in predetermined angular positions.

2,245,724
VOICE SILENCER
Louis S. Scher, New York, N. Y.
Application May 21, 1940, Serial No. 336,345
12 Claims. (Cl. 181—34)



1. A voice muffler comprising a hollow body formed of two separable members, sound absorbing means carried by one of said members, and a rigid mouthpiece carried by the other of said members, said mouthpiece being retractable within said other member.

2,245,725
METHOD OF ASSEMBLING BUCKLES
Saul Schiller, Brooklyn, N. Y.
Application May 27, 1940, Serial No. 337,373
3 Claims. (Cl. 223—49)



1. The method for assembling the two elements of a lever buckle and a strap, comprising: providing a body-member having two laterally-spaced-apart perforated ears extending in

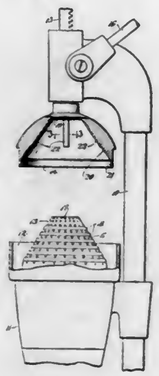
substantial parallelism with each other; providing a clamping-lever having two oppositely-projecting pintles one at each of its respective opposite ends, the said clamping-lever being also provided with bendable strap-gripping means and being arched intermediate the two said oppositely-projecting pintles to cause the two said pintles to be initially closer together than is the case when the said clamping-lever is not so arched; inserting a strap in position to be gripped by the bendable strap-gripping means of the said clamping-lever when the same is bent; registering the oppositely-projecting pintles of the arched clamping-lever respectively with the perforations in the spaced-apart parallel ears of the said body-member; forcibly flattening the arched form of the said clamping-lever to thereby cause its oppositely-projecting pintles to move away from each other and into the perforations in the ears of the said body-member; and bending the strap-gripping means of the said clamping-lever against the adjacent portion of the said strap substantially simultaneously with the described flattening of the arched clamping-lever.

2,245,726

FRUIT JUICE EXTRACTOR PRESSURE CUP

Arthur W. Seyfried, Racine, Wis., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application August 7, 1939, Serial No. 288,749
2 Claims. (Cl. 100—49)



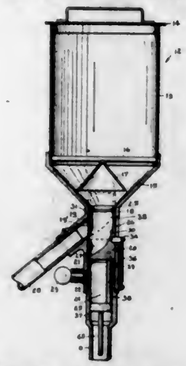
1. In a fruit juice extractor of the non-rotary type, a non-rotatable substantially frustro-conical lower squeezing member and a non-rotatable substantially frusto-conical upper pressure cup member adapted to receive fruit therebetween, one of said members being movable toward and away from the other, and means for holding the fruit on said lower member after extraction of juice therefrom and after said upper member has moved away from said lower member, said holding means comprising a series of inwardly projecting means of substantial length positioned to extend only over that portion of the inner conical surface of the cup substantially midway between the top and bottom thereof, and apertures in said lower member positioned to coact with said inwardly projecting means, whereby sufficient pressure may be exerted by said projecting means on said fruit to force a sufficient portion of said fruit into said aperture to hold said fruit on said lower member when said upper member is removed.

2,245,727

HOPPER FEED CONTROL MECHANISM FOR SLIDE FASTENER STRINGER FORMING APPARATUS

David Silberman, Brooklyn, N. Y., assignor to Universal Slide Fastener Co. Inc., New York, N. Y., a corporation of New York

Application February 17, 1939, Serial No. 256,914
3 Claims. (Cl. 153—1)



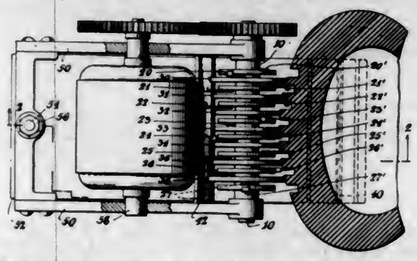
1. In a slide fastener stringer forming apparatus, in combination with a distributor continuously feeding pre-formed scoops for mounting onto a tape, a charging device for said distributor comprising a hopper carrying pre-formed scoops, a passageway between the hopper and distributor, a control valve reciprocable in said passageway, and means periodically actuating said valve for delivering of scoops in pre-determined amounts from said hopper to said distributor.

2,245,728

DEVICE FOR CIRCUMFERENTIALLY GROOVING TIRE SURFACES

Harry E. Sipe, New York, N. Y.

Application December 20, 1939, Serial No. 310,114
3 Claims. (Cl. 90—20)



1. In a device for grooving a tire surface, a rotatable shaft, a plurality of groove forming knives mounted on the shaft and rotatable in a transverse plane around the longitudinal axis of the shaft, said knives being mounted so that the cutting edges of the knives describe concentric paths and are adapted to cut grooves in a tire surface to the extent that the paths described by the cutting edges of the knives intersect the surface of a tire, said knives being positioned on the shaft along transverse and longitudinal planes, each knife being mounted so as to rotate in a transverse plane around the axis of the shaft, but knives adjacent to each other on the longitudinal plane being so disposed that, on their respective transverse planes, they lie at angular differentials to each other, whereby displacement of the rubber by the cutting action of the knives is reduced so that straight grooves can be cut in the tire surface.

2,245,729

ELASTIC CLOTHESLINE

Harry L. Snyder, West Los Angeles, Calif., assignor to Lower Rubber Manufacturing Co., Ravenna, Ohio, a corporation of Ohio

Application May 20, 1940, Serial No. 336,199
2 Claims. (Cl. 211—119.10)



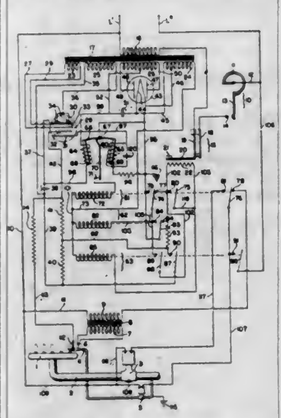
1. A clothes line having a pair of strands formed of rubber, a series of spaced vulcanized spots attaching the strands together and forming loops between the strands, the loops and the vulcanized spots being adapted for stretching the strands lengthwise, a pulling tab secured to one of the strands of each of the loops adapted to pull such strand from the other strand affording space for inserting and removing articles gripped by the resilient strands holding tight together.

2,245,730

CONTROL SYSTEM

Hubert T. Sparrow, Minneapolis, Minn., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 12, 1937, Serial No. 142,115
31 Claims. (Cl. 158—28)



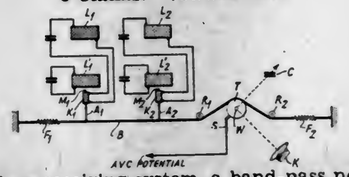
1. In a burner control system, a burner, burner fuel control means, an electronic valve including a cathode, an anode and a control grid, energizing means, an electrode located near said burner but separated therefrom by a gap adapted to be bridged by the burner flame, a connection between said electrode and said control grid, relay means connected in circuit with said cathode and anode and said energizing means adapted to cause said burner fuel control means to assume a fuel feeding position when said gap is bridged by the burner flame, and relay means connected in circuit with said cathode and control grid and said energizing means adapted to cause said burner fuel control means to assume a position preventing the supply of fuel when an abnormal leakage path has been established between said electrode and ground.

2,245,731

AUTOMATIC BAND-WIDTH REGULATION MEANS

Heinrich Spreine, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany

Application June 13, 1939, Serial No. 278,838
In Germany June 16, 1938
5 Claims. (Cl. 250—20)



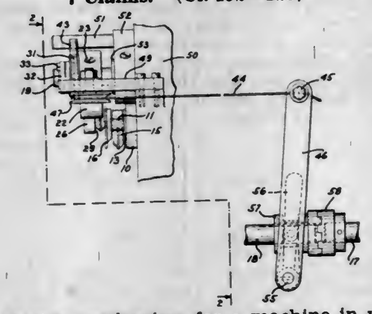
1. In a receiving system, a band-pass network provided with means for varying its signal response characteristic, means for tuning the receiver to a selected station, and means under the direct control of the tuning means and movable in response to the strength of the received signal for automatically adjusting the signal response varying means.

2,245,732

STOP MECHANISM

John S. Stull, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 12, 1940, Serial No. 340,044
7 Claims. (Cl. 192—125)



1. A stop mechanism for a machine in which material is intermittently advanced comprising means for controlling the operation of the machine, a material stop member adapted to be predeterminedly normally moved by the material when advanced a required distance, means for bodily moving said member into and out of stop position, and means cooperating with and responsive to an abnormal movement of said member caused by failure of the material to advance the required distance or if the material is exhausted and upon said member moving from its stop position to actuate said controlling means to stop the machine.

2,245,733

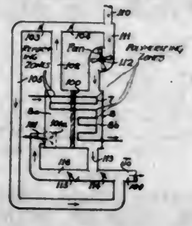
PROCESS FOR REFORMING AND POLYMERIZING HYDROCARBONS

Philip Subkow, West Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Original application August 12, 1935, Serial No. 35,702. Divided and this application July 12, 1938, Serial No. 218,775
4 Claims. (Cl. 196—9)

1. A process for the production of reformed and

polymer gasoline comprising passing hydrocarbons boiling within the gasoline range in a restricted stream through a heated zone to heat said mixture to a gasoline reforming temperature and reforming said gasoline hydrocarbons therein, subsequently passing the resultant gaseous and vaporous mixture through a polymerization zone



maintained at a polymerizing temperature lower than said reforming temperature and polymerizing the normally gaseous hydrocarbons present in said mixture is said polymerization zone and then passing said mixture in a restricted stream through a heating zone where said mixture is reheated to a gasoline reforming temperature and reformed therein.

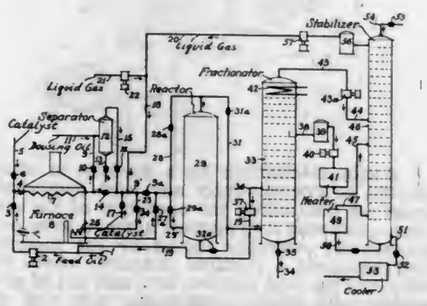
2,245,734

PROCESS FOR CRACKING AND POLYMERIZING HYDROCARBONS

Philip Subkow, West Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Original application August 12, 1935, Serial No. 35,702. Divided and this application July 12, 1938, Serial No. 218,776

7 Claims. (Cl. 196—9)



7. A process for the production of reformed and polymer gasoline which comprises heating a mixture of hydrocarbons including hydrocarbons in the gasoline range having an end point not to exceed 650° F. to an elevated gasoline reforming temperature by passing said mixture in a confined stream without separation of vapor, cooling the products of said reforming and separating a vapor of reformed gasoline fractions at a temperature of about 400–500° F. from the products of reforming, introducing normally gaseous hydrocarbons, into said vapor stream and passing said mixture through a polymerizing zone maintained at a temperature lower than said reforming operation and polymerizing said normally gaseous hydrocarbons in the presence of said gasoline fractions in said polymerizing zone to produce polymer and reformed gasoline.

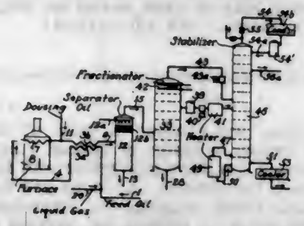
2,245,735

PROCESS FOR SIMULTANEOUS CRACKING AND POLYMERIZING OF HYDROCARBONS

Philip Subkow, West Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles Calif., a corperation of California

Original application August 12, 1935, Serial No. 35,702. Divided and this application July 12, 1938, Serial No. 218,778

2 Claims. (Cl. 196—9)



1. A process for the combined reforming and polymerization of hydrocarbons which comprises heating to a temperature in the neighborhood of 700–930° F. a mixture of hydrocarbons within the gasoline range and hydrocarbons of four and less carbon atoms in the presence of a mixture of different catalysts one of said catalysts being active to promote reforming of said hydrocarbons within the gasoline range at a temperature in the neighborhood of 700–930° F. and the other of said catalysts being active to promote polymerization of said hydrocarbons of less than four carbon atoms at said temperature and separating a reformed and polymer gasoline from said heated mixture.

2,245,736

METHOD OF OBTAINING BORAX SOLUBLE ZEANIN

Lloyd C. Swallen and Harold Reintjes, Pekin, Ill., assignors, by mesne assignments, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application December 24, 1937, Serial No. 181,615

4 Claims. (Cl. 260—112)

1. Method of obtaining zeanin converted to borax solubility from the residue of corn gluten after extraction of zein therefrom which comprises: extracting the zeanin from said material with a caustic alkali and ageing the extract at a pH not substantially below 12, and at a temperature not substantially below 25° C. for a period of not substantially less than sixteen hours, in which change in the ageing time or temperature variable in one sense is accompanied by a change of another of said variables in the opposite sense.

2,245,737

REFRIGERATION

John Gudbrand Tandberg and Carl Damsberg, Stockholm, Sweden, assignors, by mesne assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware

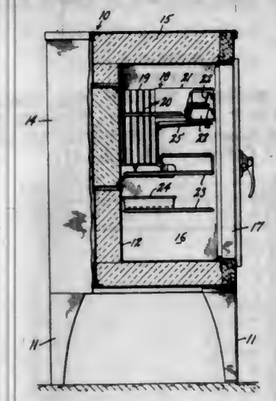
Application March 14, 1938, Serial No. 195,716

In Germany March 17, 1937

3 Claims. (Cl. 62—1)

1. A refrigerator having a food storage compartment formed by thermally insulating walls, refrigeration apparatus including a cooling element having surfaces for cooling air in said compartment, means for conducting condensed moisture from said cooling element surfaces to

disposal, and finely divided silver located so as to be contacted by said condensed moisture to ren-



der and keep the latter sterile while in said food storage compartment.

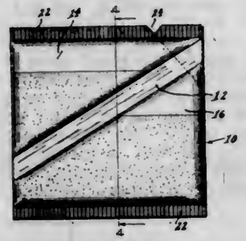
2,245,738

PLURAL-COMPARTMENT ENVELOPE

Ivan M. Taylor, Boston, Mass.

Application February 14, 1940, Serial No. 318,784

4 Claims. (Cl. 206—47)



1. A closed flat envelope, having two mutually overlying flat walls which are joined together on one or more lines extending across a flat nonfolded mid-portion of said overlying walls of the envelope, and so dividing the interior of the envelope into a plurality of compartments; there being an angular edge region of the envelope, constituted by the angular meeting of two adjacent closed edges of the envelope; the said joinder of mid-portions of the walls constituting a partition and extending, with the compartments formed thereby, into said angular region of the envelope.

2,245,739

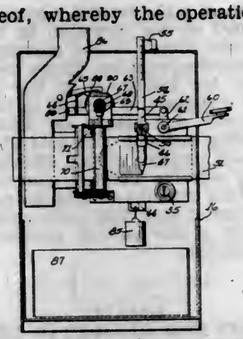
GOLF PRACTICING DEVICE

Commodore J. Thomas, Green Bay, Wis.

Application May 21, 1937, Serial No. 143,890

8 Claims. (Cl. 265—20)

1. In a golf practice device, the combination with a spindle and a ball operatively mounted thereon, of a recording stylus, a record sheet, means operatively connecting said spindle with said stylus for the advance thereof, and a single manually operable means for controlling the resetting of the stylus to datum position and the advance of said sheet, together with a detent operatively connected to restrain spindle motion, and mechanism operatively connecting said manually operable means to said detent for the release thereof, whereby the operation of said



means to reset said stylus is a prerequisite to the release of said ball.

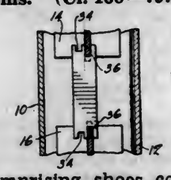
2,245,740

BRAKE

John W. White, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application November 9, 1939, Serial No. 303,511

3 Claims. (Cl. 188—79.5)



1. A brake comprising shoes connected by a thrust link having in its ends notches of different depths alined in pairs to form parts of different effective lengths, each of said pairs of notches adapted to be engageable alternatively with adjacent ends of the shoes, to provide an adjustment to compensate for wear of the shoes.

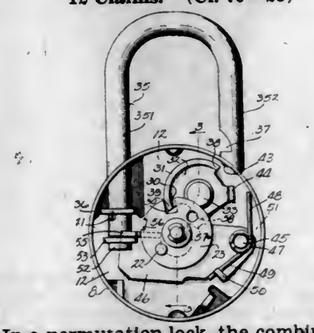
2,245,741

PERMUTATION LOCK

Robert K. Winning, Wauwatosa, Wis., assignor to Clum Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application June 22, 1940, Serial No. 341,828

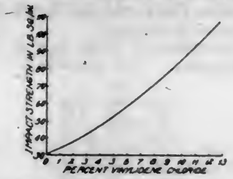
12 Claims. (Cl. 70—25)



1. In a permutation lock, the combination with a lockable member movable between locked and unlocked positions, a locking member engageable with the first member in its locked position and a permutation disk provided with a notch registerable to receive the locking member for the release thereof from locking engagement with the lock-

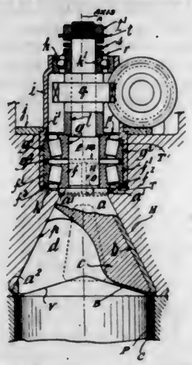
able member, of a dislocating element connected to be actuated in one direction by the lockable member in the course of the movement thereof toward its unlocked position, spring means biasing said element for movement in the opposite direction and increased as to bias in the course of such movement, and means for interconnecting said dislocating element with said disk upon the predetermined advance of said element by movement of said lockable member, whereby to transmit to said disk the bias of said spring means for the dislocation of said disk upon release thereof by movement of the locking member from the notch of said disk.

2,245,742
VINYL RESIN AND METHOD OF PREPARING THE SAME
Claude H. Alexander and Harold Tucker, Cuyahoga Falls, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 22, 1938, Serial No. 247,204
7 Claims. (Cl. 260—80)



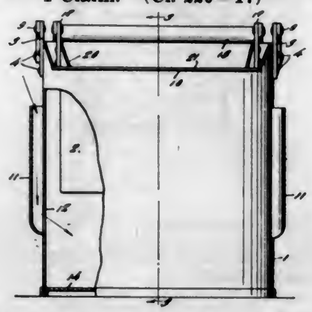
1. The method which comprises polymerizing in an aqueous emulsion a mixture of vinyl chloride and vinylidene chloride in which the vinylidene chloride is present is not more than 75% by weight of the vinyl chloride.

2,245,743
ROTARY VALVE
Frank Metcalf Aspin, Bury, England
Application February 24, 1939, Serial No. 258,224
In Great Britain July 23, 1935
6 Claims. (Cl. 123—190)



1. A rotary valve assembly comprising a rotary valve member and bearings therefor including coacting tapered bearing surfaces and an anti-friction thrust bearing, means for providing an oil film between the coacting tapered bearing surfaces, the said bearings being relatively set so that a load acting on the valve member is always divided between the oil film and the anti-friction thrust bearing, the anti-friction thrust bearing being more yielding than the oil film, so that as the valve member moves axially with increase of load a progressively increasing proportion of such load increase is taken by the oil film.

2,245,744
BUCKET
Andrew Lee Baisden, Nicholls, Ga., assignor of one-half to P. L. Streat, Jr., Nicholls, Ga.
Application August 1, 1939, Serial No. 287,820
1 Claim. (Cl. 220—17)

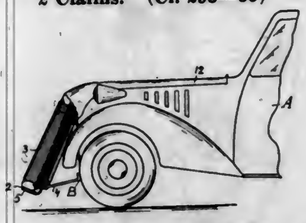


A bucket comprising inner and outer cylindrical sections, the former smaller in diameter and of less depth than the latter, supports in the outer section for loosely sustaining the inner section therein in spaced relation from the bottom and sides thereof, said sections being provided with corresponding cut-out rim portions which are horizontally aligned when the sections are in assembled relation, and a horizontal segmental shaped top plate secured to the upper edge of the cut-out portion of the inner section and extending outwardly and over the edge of the cut-out portion of the outer section and fitting snugly within the cut-out portion of the outer section, thereby, securing the sections together against relative turning and acting as a splash guard for the inner section.

2,245,745
METALLIC COATING
George L. Ball, Pittsburgh, Pa., assignor to Ball Chemical Company, a corporation of Pennsylvania
No Drawing. Application July 12, 1939, Serial No. 284,023
2 Claims. (Cl. 91—70)

1. The herein described method of forming a thin aluminum-pigmented alkali-resistant baked coating on metal which comprises the steps of pigmenting a film-forming heat-convertible vehicle containing a drying oil and an oil-soluble thermoplastic resin of low acid number capable of sustaining relatively high temperature with aluminum dust in such impalpably fine division and in such small content not substantially exceeding one part by weight of the aluminum dust to twenty parts by weight of the film-forming non-evaporative content of the vehicle that in a thin film about 0.25 to 0.50 mil in thickness the aluminum pigment lies protectively covered by the vehicle, spreading a thin coating of the so pigmented vehicle on the base metal, and heat converting the said thin film on the base metal by subjecting the film to a treating temperature of about 700° F. for one-fourth minute to produce on the base metal an adherent coating having high alkali resistance by virtue of the encapsulation of the aluminum pigment by the heat-converted vehicle.

2,245,746
COWCATCHER FOR AUTOMOBILES
Sóren Hansen Bang, Copenhagen, Denmark
Application January 15, 1940, Serial No. 313,951
In Denmark January 31, 1939
2 Claims. (Cl. 293—55)



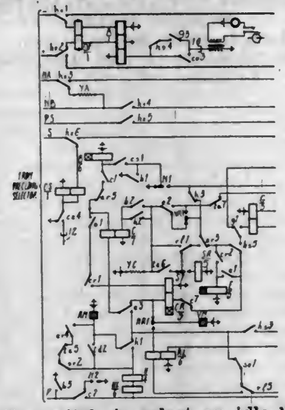
1. A cowcatcher for automobiles, comprising an upper forwardly curved supporting rail and a lower forwardly curved supporting rail, the curvature of the upper rail being smaller than that of the lower rail, means for supporting said rails on the underframe of an automobile in spaced relation to each other, a plurality of exteriorly padded rollers mounted at their opposite ends for rotation in said rails, the rollers being of such height as to cover the entire front end of the vehicle, and tension means within each of said rollers to restrain them from rotation during normal operation of the vehicle.

2,245,747
METHOD OF TREATING CENTRIFUGAL METAL MOLDS
Clarence Dale Barr, Birmingham, Ala., assignor to American Cast Iron Pipe Company, Birmingham, Ala., a corporation of Georgia
No Drawing. Application July 24, 1939, Serial No. 286,284
6 Claims. (Cl. 22—189)

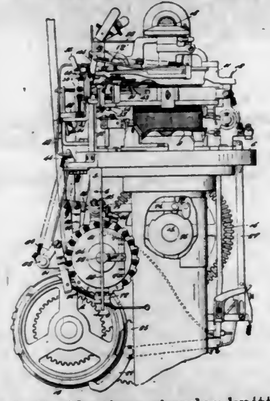
1. The method of preparing metal molds for use in the centrifugal casting of iron or steel pipes, tubes, or the like, which includes maintaining relative movement between the mold and a source of coating material composed of colloidal graphite suspended in a vehicle of volatile oil, distributing over the inner face of said mold a substantially uniform layer of said coating material of sufficient thickness that the suspended graphite therein will provide a continuous layer of graphite over the inner face of the mold, and effecting deposition of said graphite on and adherence of said graphite to the inner face of the mold by volatilizing said volatile oil.

2,245,748
AUTOMATIC SWITCH FOR USE IN TELEPHONES OR LIKE SYSTEMS
Charles Edmund Beale and Idris Trevor Richards, Liverpool, England, assignors to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware
Application March 2, 1938, Serial No. 193,415
In Great Britain March 11, 1937
9 Claims. (Cl. 179—27)

1. In a selecting system, a selector switch, lines accessible to said switch divided into groups, means for operating said switch to elect a group of said lines and to cause the same to then automatically pass over the lines of said group to hunt for an idle line in the elected group, a timing device associated with said switch, means for starting the operation of said device in the event all of the lines in said group are found busy during said second operation, and means controlled by said device for causing a second hunting operation of the switch to select an idle line after a predetermined interval.

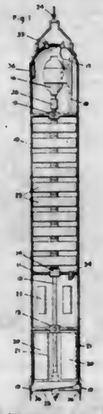


2,245,749
CIRCULAR KNITTING FULL LENGTH LADY'S HOSIERY MACHINE
Elwood P. Bellman, Stony Creek Mills, Pa., assignor of twenty-five per cent to James P. Sullivan, Reading, Pa., fifteen per cent to Jeremiah J. Sullivan, Jr., Philadelphia, Pa., and ten per cent to Mark C. McQuillen, Reading Pa.
Application August 22, 1940, Serial No. 353,751
11 Claims. (Cl. 66—134)



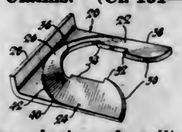
1. In a ladies' hosiery circular knitting machine including a knitting mechanism having circularly arranged needles and yarn feed means therefor for the knitting of non-reinforced hosiery fabric, a reinforcing yarn finger operated by said machine for feeding into the needles reinforcing yarn arranged in courses and for removing the reinforced yarn from the needles on the completion of each course, a yarn guide operated by the machine and coacting with the yarn finger in guiding the reinforced yarn into and out of the needles and into a position to be held and cut outwardly of the group of needles, and a combined cutter and holding means operated by the machine to cut the reinforcing yarn withdrawn from the needles on the completion of each course and to hold said reinforcing yarn until such time the yarn finger acts to again present the reinforcing yarn to the needles for the making of the next course.

2,245,750
WELL BORING BUCKET AND METHOD OF BORING WELLS
John R. Betts, Kearney, Nebr.
Application November 25, 1938, Serial No. 242,330
8 Claims. (Cl. 255—4)



3. A method of boring a well which comprises providing a well boring bucket having a boring tool therein and a mass secured to said boring tool, rotating said boring tool and mass while said bucket is out of contact with the bottom of the well until said mass and said boring tool attain a high rate of speed, and then lowering said bucket into contact with the bottom of the well without any means for effecting the continued rotation of the boring tool other than the kinetic energy of the rotating mass.

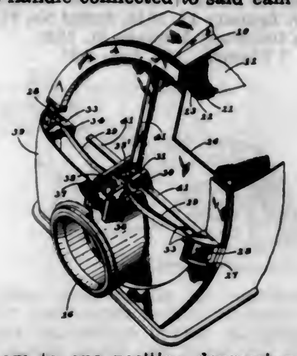
2,245,751
FASTENING DEVICE
Lloyd Blackmore, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 26, 1938, Serial No. 231,727
2 Claims. (Cl. 151—3)



1. A fastening device of resilient sheet metal generally C-shaped in plan having the arms approximately parallel and with the outer parallel edges of the arms and the base of the connecting body portion lying substantially in a plane and with the inner parallel edges of the arms raised above said plane whereby to afford resilient resistance to forces tending to flatten the device, the said inner edges provided adjacent their outer ends with inwardly extending projections spaced apart a slightly less distance than the distance between the arms nearer the body.

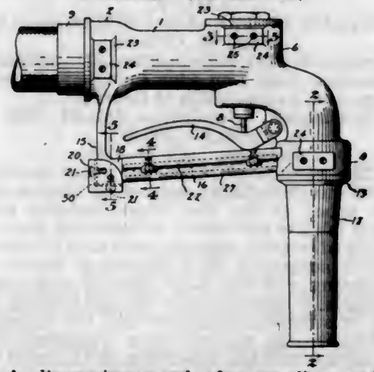
2,245,752
LOCKING MECHANISM FOR CLOSURE MEMBERS
Charles L. Brown, Jr., Stamford, Conn., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application May 19, 1939, Serial No. 274,567
6 Claims. (Cl. 292—20)

1. A locking mechanism for a closure member including an arched spring, a cam engaging the arched portion of said spring and pivoted for movement in a plane perpendicular to said spring, and a handle connected to said cam for rotating



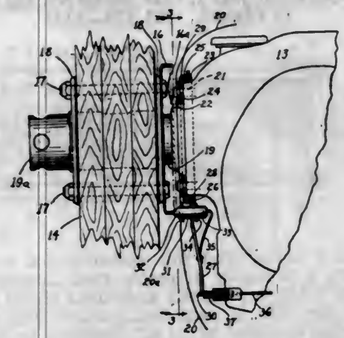
said cam to one position depressing said spring and moving said spring outwardly in a radial direction into locking position.

2,245,753
FUEL DISPENSING NOZZLE
Ray W. Brown, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 4, 1940, Serial No. 355,341
3 Claims. (Cl. 221—84)



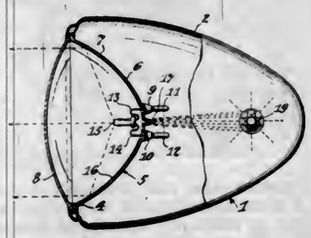
1. A dispensing nozzle for gasoline and the like, comprising a metal body portion with an inlet and outlet adapted to receive a hose connection and a nozzle portion, respectively, a valve housing portion having a valve controlled passageway for the passage of fluid between said inlet and outlet, a valve actuating lever pivotally carried by said body portion, a guard carried by said body portion and protecting said lever, said guard having one leg disposed generally perpendicular to the passageway at said inlet and joining said body portion adjacent said inlet, and another leg with protective cushioning layer of rubber-like material on its outer surface, disposed generally perpendicular to the passageway at said outlet and joining said body portion adjacent said outlet, an angular bumper pad of rubber-like material covering the outer surface of said guard at the juncture of said legs, a nozzle portion of rubber-like material attached in said outlet, bumpers of rubber-like material mounted on the sides of said body portion adjacent said inlet and said outlet to prevent contact being made between the metal of the body portion and a plane surface.

2,245,754
MANUAL STARTER FOR AIRCRAFT ENGINES
Harris S. Campbell, Bryn Athyn, Pa.
Application May 10, 1938, Serial No. 207,005
8 Claims. (Cl. 185—41)



1. For an aircraft engine, a manual starting device having a ratchet part connected with the propeller shaft, a bearing member supported on the engine casing close to said ratchet part, a rotatable part mounted on said bearing member for rotation about an axis coincident with the axis of the propeller shaft, latch means carried by said rotatable part and adapted for engagement with said ratchet part to cause rotation in the normal direction of engine rotation, stop means attached to said bearing member for limiting the range of movement of said rotatable part, at least one of said stop means being adapted to cause disconnection of said latch means from said ratchet part, thereby providing an integral unit for attachment to the engine casing, a handle and cable means interconnecting said handle and said rotatable part.

2,245,755
HEADLIGHT WITH INDICATOR
Walter E. Carpenter, West Caldwell, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 9, 1937, Serial No. 178,944
12 Claims. (Cl. 240—8.4)

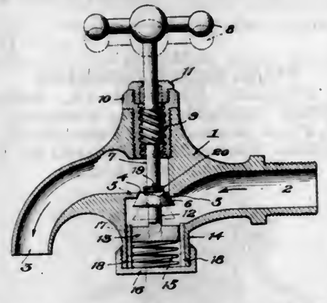


3. An automobile headlight comprising a housing, means for mounting said housing on said automobile, a lamp secured in said housing and formed with a reflector portion, said reflector portion being provided with a transparent exhaust tip, said housing having an aperture positioned rearwardly of said lamp so that it receives light through said exhaust tip, when the lamp is lit, and means adjacent said aperture for making said light visible from the rear as an indication of lamp condition.

2,245,756
COMMUNICATING SYSTEM
Luke C. Cavanaugh and Henry Vernon Roohk, Cleveland, Ohio
Application April 28, 1939, Serial No. 270,602
17 Claims. (Cl. 179—39)

1. An electrical transmission system comprising, in combination, a plurality of station devices, each capable of sending and receiving sound, transmission circuit connections interconnecting the station devices with each other, selective relay means for selecting and establishing a transmission circuit connection between at least two of said station devices, control circuit connections for governing the selective relay means, a switch associated with each station device for selecting and establishing control circuit connections to govern the selection of the selective relay means and the establishment of a transmission circuit connection between at least two of said station devices, and an interlocking relay means controlled by the selective relay means, said interlocking relay means governing the control circuit connections to prevent the subsequent actuation of a switch at one of said station devices from interrupting a selected transmission circuit connection established by the prior actuation of a switch at another station device, and amplifying means for amplifying the selected transmission circuit in each of two directions and means for governing the operation of the amplifying means in accord with the interlocking relay.

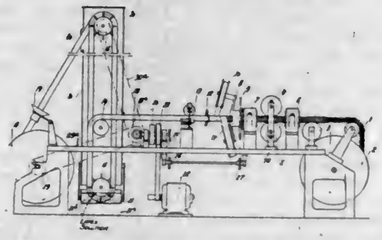
2,245,757
COCK AND THE LIKE
Fernando Cazenave, Buenos Aires, Argentina
Application October 9, 1939, Serial No. 298,650
In Argentina August 18, 1939
1 Claim. (Cl. 251—27)



A faucet, comprising, a casing having inlet and outlet connections, a valve seat therebetween, said valve seat having a sharp peripheral edge, a tubular extension formed on the casing at one side of the valve seat and coaxially therewith, a cap detachably fitted to the extension; a one-pieve valve device including a truncated conical head for engaging the sharp peripheral edge of the valve seat, a stem of smaller diameter than said head, a disc connected with said stem, said disc having a close non-tiltable sliding fit in the said extension; cooperating means on the disc and inner wall of the extension to prevent relative rotary movement between the valve device and the valve seat, a coil spring of substantially the same diameter as the disc and confined between the underside of the disc and the inner face of the cap to urge the said head toward the sharp peripheral edge of the valve seat under uniform pressure, a hand-operated screw-threaded stem movable in the casing and having

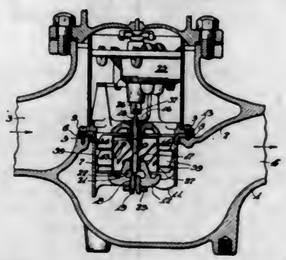
an annular groove at its lower end, and a collar on the truncated face of the valve head and having a portion thereof seated in said groove of the stem, whereby rotation of the stem in one direction will assist the spring in forcing the head to a closed position on the seat and rotation of the stem in the other direction will unseat the valve head from the seat against the pressure of the spring.

2,245,758
FLEXIBLE TUBE
Abel Edgar Chernack, Paris, France
Application May 4, 1938, Serial No. 206,095
In France May 13, 1937
14 Claims. (Cl. 154—6)



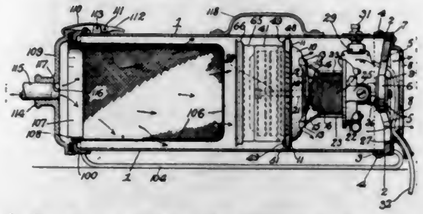
1. A device for advancing a helical spring which comprises in combination: a screw having threads of the same pitch as the helices of said spring adapted to engage therewith, said screw having at least one section of its threads of a diameter larger than the outer diameter of said spring, means for rotating said screw cooperating with said section of the threads, and means for preventing the rotation of said spring without interfering with the rotation of said screw.

2,245,759
FLUID METER IMPELLER
Horace Chrisman, Edgewood, Pa., assignor to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 21, 1935, Serial No. 45,882
2 Claims. (Cl. 73—231)



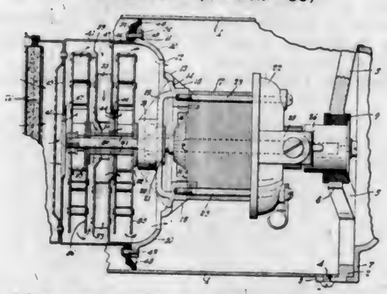
1. A meter impeller comprising a hollow cylinder formed of sheet metal having an integral head, inclined slots formed in the cylinder wall terminating short of the ends of the cylinder, a plurality of blades formed from sheet metal having lips projecting from the inner edges through the slots, the inner edges of the blades between the lips projecting into the slots and substantially conforming to the interior of the cylinder, the lips being bent over in the interior of the cylinder, and a central shaft supported by the cylinder head.

2,245,760
VACUUM CLEANER
William J. Clements, Chicago, Ill., assignor to Clements Mfg. Co., Chicago, Ill., a corporation of Illinois
Application July 1, 1939, Serial No. 282,372
13 Claims. (Cl. 230—117)



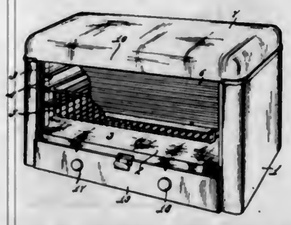
1. In a motor and fan assembly for vacuum cleaners, a plurality of motor field laminations, a motor rotor, a centrally apertured shield member at one side of said laminations, said aperture being bounded by an air directing lip spaced substantially inwardly from the housing wall, a spider spanning said aperture, a motor shaft bearing in said spider, a motor bearing and brush supporting frame member opposed to the opposite side of the laminations, brushes mounted thereon, a bearing thereon for the opposite end of the motor shaft, means for securing said shield and said frame member together against said field laminations, a fan housing mounted on said shield member, and a fan, on the motor shaft, rotatable in said housing.

2,245,761
MOTOR AND FAN ASSEMBLIES FOR VACUUM CLEANERS
William J. Clements, Chicago, Ill., assignor to Clements Mfg. Co., Chicago, Ill., a corporation of Illinois
Original application July 1, 1939, Serial No. 282,372. Divided and this application June 13, 1940, Serial No. 340,231
9 Claims. (Cl. 172—36)



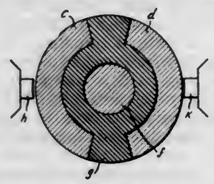
1. In a motor and fan assembly for vacuum cleaners, a plurality of motor field laminations, a motor rotor, a centrally apertured shield member at one side of said laminations and of substantially greater diameter than said laminations, a spider spanning said aperture, a motor shaft bearing in said spider, a motor bearing and brush supporting frame member opposed to the opposite side of the laminations, brushes mounted thereon, a bearing thereon for the opposite end of the motor shaft, and means for securing said shield and said frame member together about said field laminations, the aperture of said shield member including portions extending radially exteriorly of said laminations.

2,245,762
STERILIZER
Tully De Stefani and Rudolph Yuza, Chicago, Ill., assignors to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application January 18, 1939, Serial No. 251,454
14 Claims. (Cl. 250—45)



1. In a sterilizing cabinet having a deposit and removal opening therein and a movable closure member for the same, said closure member preventing access to the interior of the cabinet when closed the combination with electrical sterilizing units arranged in said cabinet, of means operated by the closing of said closure member for completing an energizing circuit through said sterilizing units, and means operated upon the establishment of said energizing circuit for maintaining said closure member against opening for a predetermined period, said maintaining means being operable only in event said sterilizing units become operable.

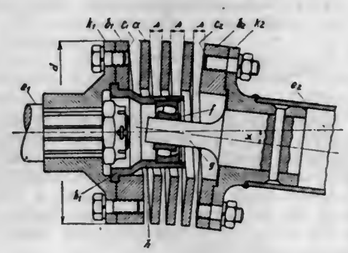
2,245,763
SWITCHING ARRANGEMENT FOR ELECTRICAL CIRCUITS
Hilmar G. Dewitz, Berlin-Neukolln, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 13, 1938, Serial No. 245,477
In Germany December 13, 1937
2 Claims. (Cl. 200—8)



1. In a rotary type switching device, a rotary shaft, a drum composed of insulating material mounted on said shaft, a plurality of carbon segments inlaid in spaced relation along the cylindric surface of said drum and flush therewith, and carbon brushes in sliding contact with said cylindric surface, said carbon segments being positioned on said cylindric surface so as to be in the path of said brushes, the material of which said drum is composed being softer than the carbon segments.

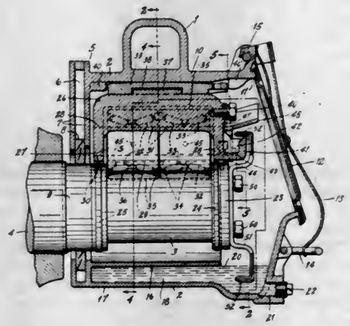
2,245,764
UNIVERSAL JOINT
Robert Dome and Paul Jaross, Budapest, Hungary
Application November 30, 1937, Serial No. 177,378
In Hungary and Germany October 2, 1937
3 Claims. (Cl. 64—15)

1. In a universal joint, a driving shaft and a driven shaft, an edgewise wound single coil spring as the only member of torque transmission from the driving shaft to the driven shaft allowing a maximum compression stroke less than the external diameter of the spring, the ends of said spring being connected to the opposite ends of said driving and driven shaft respectively, a tubular extension on the end of one shaft projecting into the interior of the spring beyond the middle of its length, a pin at the end of the other shaft projecting into the hollow



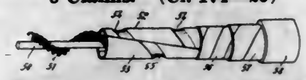
of said tubular extension beyond the middle of the spring and a link connecting the pin and tubular extensions of said shafts substantially at the middle of the length of the spring in a manner to permit a torsional angular and longitudinal displacement of the driven shaft with respect to the driving shaft and said spring having a cross section whose radial width is at least four times the axial thickness.

2,245,765
LUBRICATING DEVICE
James P. Doolan, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application February 23, 1940, Serial No. 320,285
5 Claims. (Cl. 308—86)



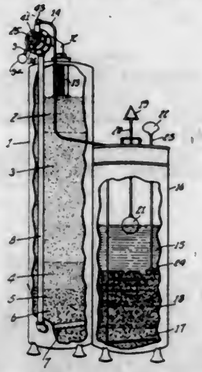
1. A car axle construction comprising an axle, a journal box into which the end of said axle extends, a yoke interposed between said axle and said journal box, said yoke having transversely spaced bearing units mounted therein, an oil reservoir overhanging the end of said axle, a deflector plate having a bottom flange secured to said yoke and overhanging said oil reservoir, a flinger paddle having inwardly extending arms for collecting lubricant from the bottom of said journal box, said paddle secured to the end of said axle, and passageways from said oil reservoir communicating with said bearing units.

2,245,766
SELF-SUPPORTING HOLLOW CONDUCTOR FOR ELECTRIC CABLES
Werner Dörfel, Berlin-Siemensstadt, Ernst Fischer, Berlin-Lichterfelde, and Hermann Lintzel, Berlin-Siemensstadt, Germany, assignors to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application September 23, 1937, Serial No. 165,280
In Germany September 26, 1936
8 Claims. (Cl. 174—29)



1. A hollow conductor consisting of a band structure forming a tube and having its abutting edges movable relative to each other, said band structure having transverse grooves, said grooves having their ends abutting against a straight portion of the adjacent edge of said band structure so as to prevent the abutting edges from slipping over each other.

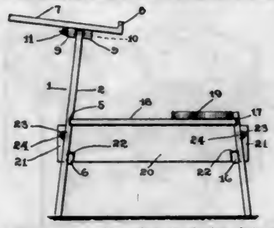
2,245,767
SINGLE CONTROL SOFTENER VALVE
Earl E. Eickmeyer and Anthony G. Horvath, Dayton, Ohio, assignors to The Dayton Pump and Mfg. Company, Dayton, Ohio, a corporation of Ohio
Application May 23, 1938, Serial No. 209,458
5 Claims. (Cl. 210—24)



1. In a method of water softening, the sequentially carried out steps of (*a*) passing hard water through a mineral bed in one direction to soften the water; (*b*) then passing fresh water in the other direction while removing the wash water and accumulated material to drain to wash out any accumulation of foreign material prior to brining while simultaneously replenishing with fresh water a brine supply; and (*c*) passing brine from said brine supply through said mineral bed to regenerate the same.

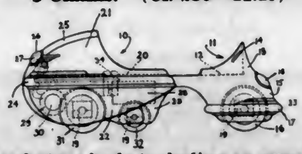
2,245,768
TOY DESK AND SEAT
Ferdinand F. Ferrary, Brooklyn, N. Y.
Application June 28, 1939, Serial No. 281,640
2 Claims. (Cl. 155—124)

1. In a device of the character described, the combination of a front standard and a rear standard, each of said standards comprising two spaced members, a bench top between the said standards and resting in grooves therein, a seat on said bench top, a supporting piece below the said bench top and extending between the spaced members of the said front and rear standards, cross bars on the said standards carrying the ends of the said supporting piece, wedge apertures in the marginal ends of the said supporting piece beyond the said standards, wedges in said



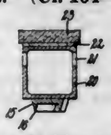
wedge apertures and adapted to bind the said standards to the said supporting piece and bench top, a desk top on the said front standard, a pair of slats arranged in parallel relation on the underside of the said desk top and adapted to receive the end of the forward standard and bolt means for binding the upper end of the forward standard between the said slats.

2,245,769
SKATE
Alexander L. Flamm, Fairfield, Conn.
Application November 17, 1937, Serial No. 175,094
5 Claims. (Cl. 280—11.19)



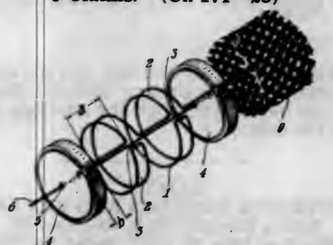
1. In a skate, a body including an upper surface, ground engaging rollers at the under side of said body, a guard secured to said body and depending at the lower side thereof, said guard comprising a hollow shell open at its upper side toward said body and having a roller receiving opening in its lower wall through which one of said rollers projects, a housing, bearing means in said housing in which said roller is mounted, and means mounting said housing in said guard adjacent said opening whereby the front and side walls of said guard enclose and conceal said housing, bearing means and a larger portion of said roller.

2,245,770
STENCIL CUTTING DIE
Emile C. Franzmann, Arlington, Mass.
Application March 30, 1940, Serial No. 326,869
7 Claims. (Cl. 164—29)



2. In combination, a holder provided with upper and lower body portions connected one to another by a relatively thin heat dissipating web, a double line cutting die fast to the under face of said lower body portion, a heat resisting material fast to the upper face of said upper body portion, and a gripping member also of heat resisting material superposed upon said first named heat resisting material and projecting beyond the edges of the latter.

2,245,771
ELECTRIC CABLE
Gabriel Maria Giannini, Great Neck, N. Y., assignor to Transducer Corporation, New York, N. Y., a corporation of New York
Application May 2, 1939, Serial No. 271,373
3 Claims. (Cl. 174—28)

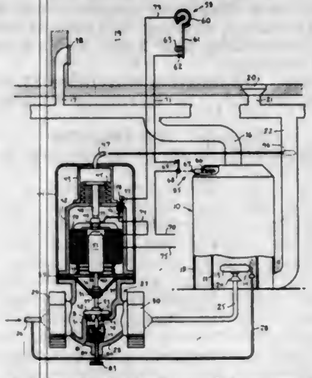


1. A flexible cable comprising a hollow supporting member formed of an elongated metal member, said supporting member having a plurality of similar portions each formed by said metal member extending clockwise over a circular arc of approximately 360°, extending axially a short distance, extending counterclockwise over a circular arc of approximately 360° and then extending axially a short distance, a conductor within said hollow member, and a plurality of interspaced members of insulating material supported by the circular arc portions of said hollow member and supporting said conductor.

2,245,772
LUBRICANT
Nelson J. Gothard and George Entwistle, Jr., Chicago, Ill., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 21, 1939, Serial No. 295,911
10 Claims. (Cl. 252—41)

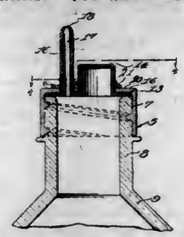
1. A lubricating grease comprising a mineral oil component thickened by the addition of a soap in which the major portion of the mineral oil component is extract obtained by the sulphuric acid-nitrobenzene treatment of a Pennsylvania-type oil.

2,245,773
TEMPERATURE CONTROL SYSTEM
Arthur C. Grant, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 7, 1938, Serial No. 244,405
12 Claims. (Cl. 236—10)



2. In a temperature control system, temperature changing means, means for supplying a temperature changing fluid to said temperature changing means, a valve biased to closed position and controlling the flow of such temperature changing fluid to said temperature changing means, an actuator for said valve, means responsive to a condition indicative of the demand for operation of said temperature changing means for causing said actuator to modulate said valve in accordance with the value of said condition, an electromagnetic connection between said actuator and said valve comprising an electromagnet and armature one of which is connected to said valve and the other of which is positioned by said actuator, and means for deenergizing said electromagnet to release said valve to closed position when the position to which said valve would be moved by said actuator would be too near to closed position to operate the temperature changing means properly.

2,245,774
BOTTLE CLOSURE
Stephen T. Gregorek, Scranton, Pa.
Application April 2, 1940, Serial No. 327,514
2 Claims. (Cl. 221—148)

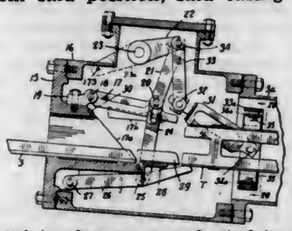


1. A bottle closure having a cap adapted for connection to the neck of a bottle and formed with a top wall for overlying said neck, a discoidal member within said cap and jacent said wall and adapted to engage the upper end face of said neck to establish a seal between said neck and cap, said member provided with a bulb extending upwardly through said wall, a flexible nipple carried by said member and extending upwardly through said wall, said nipple provided with a passage extending therethrough for effecting communication between the atmosphere and said neck, and a plate pivotally connected to said bulb and formed with an arcuate cuneiform slot receiving said nipple and operable to effect opening and closing of the passage in said nipple.

2,245,775
MACHINE FOR PROCESSING FOOD PRODUCTS
Harry L. Griffin, Rockville Centre, and Alexander R. Robb, Valley Stream, N. Y., and Rolla W. Titus and Hans T. Gebhardt, Marysville, Ohio, assignors to Nestle's Milk Products, Inc., New York, N. Y., a corporation of New York
Original application December 2, 1939, Serial No. 307,244. Divided and this application April 11, 1940, Serial No. 329,078
7 Claims. (Cl. 259—54)

1. In a machine for processing a food product, the sub-combination of a casing, main tracks located within said casing, auxiliary track-means mounted and adapted to guide objects towards said main tracks, said auxiliary track-means being spaced from said main tracks so that there is a gap between said main tracks and said auxiliary track-means, a bridge-member located in

said casing and movable to a position in which it will bridge said gap and being also movable away from said position, said casing having a



movable inlet valve, means adapted to move said bridge-member into said gap when the valve is opened and adapted to move said bridge-member away from said gap when the valve is closed.

2,245,776

CHLOR-ADDITION OF NONTERTIARY OLEFINS

Herbert P. A. Groll, Hamburg, Wellingsbuttel, Germany, and George Hearne, Berkeley, and Donald S. La France, Walnut Creek, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application December 8, 1938, Serial No. 244,566
10 Claims. (Cl. 260—662)

1. In a process for effecting the chlorination of ethylene to ethylene dichloride by reacting gaseous ethylene with gaseous chlorine in the substantial absence of a diluent material, the step of preventing induced chlorine substitution into ethylene dichloride present in the reaction zone by effecting the chlor-addition reaction in the initial, complete and continuous absence of a liquid phase in a reaction zone maintained throughout the reaction at a temperature in the range of from 100° C. to 200° C.

2,245,777

STREET PRINTING APPARATUS

Ernest Haecker, Philadelphia, Pa.

Application June 19, 1939, Serial No. 279,776
1 Claim. (Cl. 101—415.1)



A machine for printing advertisements on streets or roads comprising a single continuous hollow cylindrical member of substantially a constant diameter and made of resilient material, said cylinder split in a longitudinal direction, the ends of said roller along said split being aligned and depressed below the outside circumference of the wheel, a plurality of bars, each bar interfitting with one depressed end of said roller whereby the bar will extend to substantially the outside circumference, a tightly fitted rubber mat placed on the circumference of said roller, and the ends of said mat being held by said bars within said depressions whereby said mat is held under tension on said hollow split cylinder.

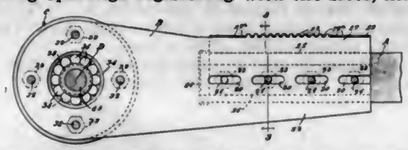
2,245,778

PITMAN CONNECTOR BAR

Walter P. Handke, Dunlap, Iowa

Application March 25, 1940, Serial No. 325,890
3 Claims. (Cl. 74—586)

1. A pitman connector, comprising a bar longitudinally slitted at one end and forming a pitman, a link extending within the slitted end of the bar and having elongated slots therein, an envelope straddling the link within the slit and having openings registering with the slots, inter-



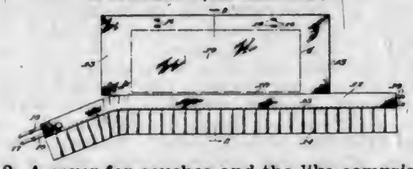
locking means between the link and the envelope, and transverse bolts passing through the slitted end of the bar and through the envelope and the slots in the link.

2,245,779

COVER FOR COUCHES AND THE LIKE

Sylvia Edwards Heil, Chicago, Ill.

Application May 15, 1939, Serial No. 273,782
2 Claims. (Cl. 155—182)



2. A cover for couches and the like comprising a rectangular fabric portion adapted to cover the top surface of a couch mattress, opposite ends of said fabric portion being adapted to be tucked under the couch mattress, one side edge of said fabric portion having spaced fasteners and adapted to cover a side of the mattress, the other side edge of said fabric portion having a fabric border secured thereto for a portion of its length, said border being of greater length than said fabric portion and having free ends each equipped with fastening means, the free ends of said border adapted to cover the tucked in ends of said fabric portion, said fastening means cooperating with said spaced fasteners for holding the cover in position on the couch, and said border having a depending pleated strip adapted to cover the front and sides of the couch, the material of the fabric portion and border having finished surfaces on both sides thereof and the border being secured in such a manner as to present finished surfaces on both sides of the cover whereby the cover is reversible.

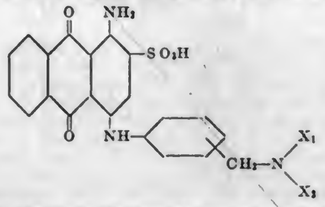
2,245,780

ACID WOOL DYESTUFFS

Ernst Heinrich, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application November 13, 1939, Serial No. 304,171. In Germany September 30, 1938
4 Claims. (Cl. 260—372)

1. Acid wool dyestuffs of the general formula:



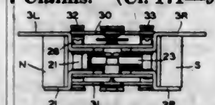
in which formula X_1 stands for a member of the group consisting of hydrogen, alkyl, phenyl and benzyl, X_2 for a member of the group consisting of hydrogen, acetyl and substituted acetyl free from solubilizing groups, which dyestuffs dye the animal fibers from an acid bath bluish shades of a good fastness to light and of a good levelling power.

2,245,781

ELECTRICAL METER

Robert D. Hickok, Bratenahl, Ohio, assignor to Cleveland Patents, Incorporated, Cleveland, Ohio, a corporation of Ohio

Application March 2, 1939, Serial No. 259,344
7 Claims. (Cl. 171—95)



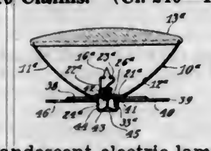
1. Meter mechanism of the character described, comprising a permanent magnet having parallel opposed pole arms, and a self contained, unitary removably assembled therewith, said movement including a frame having two pole pieces adapted for assembly with or removal from the magnet by sliding motion lengthwise of its poles, each pole piece including two paired upper and lower plate members formed of magnetic sheet metal and providing outer cheek portions lying in parallel planes and embracing the magnet pole between them, and inner parallel plate portions offset toward each other into closely spaced parallel relation, a thin wafer-like core member mounted immovably in said frame and lying between said inner plate portions, and a coil rotatable in a narrow gap between said core member and said inner plate portions.

2,245,782

METALLIC BULB LAMP

Gilbert C. Holloway, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 8, 1936, Serial No. 114,746
16 Claims. (Cl. 240—10.6)



1. An incandescent electric lamp comprising a bulb consisting of a metal reflector portion and a window portion having its edge portion sealed thereto, said reflector portion having a central opening opposite to that covered by the window portion, and a base with associated mount closing said opening and comprising an inner metal plate sealed to said reflector portion, a concentrated filament disposed at the focus of said reflector portion and carried by said plate on a pair of leads, one of said leads being electrically connected to said plate and the other lead passing through and insulated from said plate, and an exhaust tube extending from said plate, an outer casing enclosing said exhaust tube, and a central contact carried by said casing and to which said other lead is connected.

5. A flashlight comprising a casing, one end portion of which is enlarged forming a socket for a lamp, an incandescent electric lamp secured in said socket portion and comprising a bulb formed of a cup shaped reflector portion and a relatively flat window portion, and an annular clamp threaded to the socket end of said casing and having an outer rim formed with an inwardly projecting annular flange overlying and directly engaging the edge of said window portion for holding the lamp in place in said socket.

2,245,783

METHOD OF COLORING GLASS FIBERS

James Franklin Hyde, Corning, N. Y., assignor, by mesne assignments, to Owens-Corning Fiberglas Corporation, a corporation of Delaware

No Drawing. Application July 16, 1937, Serial No. 154,101
5 Claims. (Cl. 8—8)

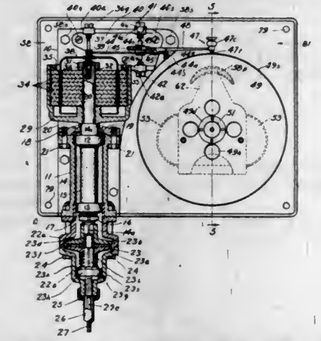
1. The method of coloring fibers composed of glass containing a first group metal which includes treating them with an ionizable salt of a metal of a higher group to displace a portion of the said first group metal and subsequently reacting the higher group metal with an additional material containing an ion capable of forming a pigment therewith, whereby a pigment is formed and incorporated within the fibers.

2,245,784

GRAPHIC SPEED RECORDER FOR VEHICLES

William James, deceased, late of Seattle, Wash., by Mabel James, executrix, Deer Harbor, Wash., assignor to Florence L. Cromwell, Monroe, Wash.

Application August 24, 1937, Serial No. 160,638
4 Claims. (Cl. 264—13)



1. In a graphic speed recorder for vehicles, the combination of an interior bar permanent magnet comprising a magnetic north pole at one end and a magnetic south pole at the other end, an exterior solid ring permanent magnet comprising a smooth interior surface and a pair of diametrically opposite and interiorly effective consequent magnetic north and south poles that are positioned opposite to and separated by air gaps from the magnetic south and north poles respectively of said bar magnet, means for fixedly securing said bar and ring magnets in the aforesaid position and for rotating them about a common medial axis, and an annular induction element movably supported in said air gaps and adapted to be motivated by the magnetic flux of said magnets when the same are rotated.

2,245,785

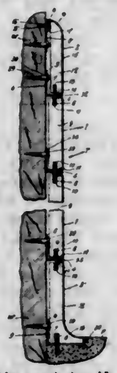
WALL TILE

Henry Jentzer, Jr., St. Louis, Mo.

Application June 9, 1939, Serial No. 278,274
4 Claims. (Cl. 189—88)

2. A hollow metallic tile having similar end walls and similar side walls of less width than

the end walls, the lateral edges of the end walls



having notches adjacent to the ends of the side walls.

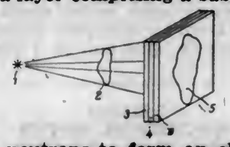
2,245,786
JARRING TOOL
Jack Johnson, Long Beach, Calif.
Application February 3, 1940, Serial No. 317,194
14 Claims. (Cl. 255—27)



1. A jarring tool, including a casing, a mandrel reciprocably mounted therein, means to exert pressure against the mandrel to move the same upwardly and strike a jarring blow, and means to release the pressure against the mandrel on upward movement of said mandrel, and an air balanced chamber in the pressure fluid column whereby the pressure is maintained substantially constant.

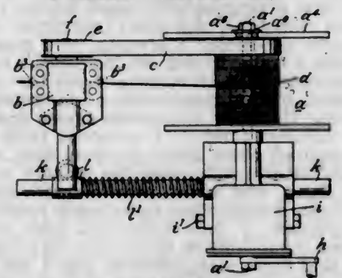
2,245,787
EXAMINING BODIES BY MEANS OF NEUTRONS AND ELECTRON EMITTING MATERIAL
Hartmut Israel Kallmann, formerly known as Hartmut Kallmann, Berlin-Charlottenburg, and Ernst Kuhn, Berlin, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
Application April 27, 1939, Serial No. 270,354
In Germany May 5, 1938
24 Claims. (Cl. 250—65)

1. A method for obtaining an image of an object by means of neutrons which comprises directing a beam of neutrons upon the object and causing the emergent beam of neutrons to impinge upon a layer comprising a substance which



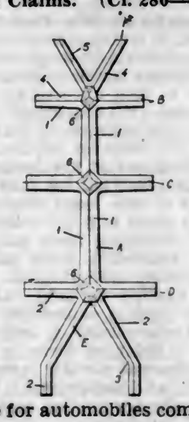
reacts with neutrons to form an electron-emitting substance, said layer also comprising a substance sensitive to the emitted electrons.

2,245,788
WIRE-LAYING DEVICE
Irwin Trevanion Kempe, Longparish, Andover, England
Application January 13, 1939, Serial No. 250,812
In Great Britain January 25, 1938
6 Claims. (Cl. 242—54)



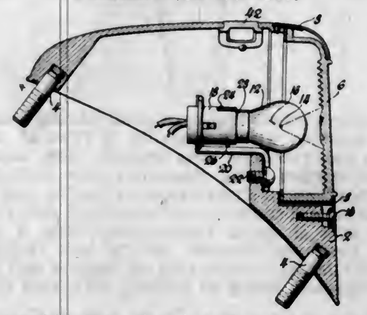
2. A transportable cable-laying and recovery device, comprising a rotatable cable-storage drum, coacting rolls for feeding out cable unwound from said drum, a belt pulley connected to one of said rolls, a belt engaged by said pulley and mounted partly around the coil of cable upon said drum, and means for rotating said drum in a direction to unwind cable from said coil, said cable-feeding rolls being rotated by said belt and pulley at a speed and in a direction to pay out the cable as it is unwound from said coil.

2,245,789
FRAME FOR AUTOMOBILES
Miloš Klavík, Prague-Smichov, Czechoslovakia
Application September 1, 1939, Serial No. 293,138
In Czechoslovakia September 1, 1938
4 Claims. (Cl. 280—106)



1. A frame for automobiles composed of a number of members of channel-shaped cross-section, some of said members being U-shaped and welded together so that the bases of the U-shaped members form a tubular center portion of the frame, while the legs of said U-shaped members are forming tubular transverse portions of the frame, other members of said frame being V-shaped and welded to each other and to the outer legs of the U-shaped members at the ends of the frame, so as to complete the tubular shape of the transverse end portions of the frame, and to form a pair of outwardly diverging tubular frame portions at each end of said tubular center portion of the frame.

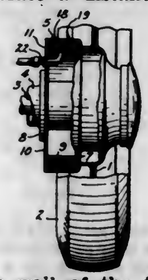
2,245,790
LAMP BULB
John L. Koubek and Howard C. Mead, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 24, 1937, Serial No. 138,706
1 Claim. (Cl. 177—327)



A combination signal and marker lamp for vehicles comprising: a lamp housing having a light opening therein, a dioptric lens extending across said light opening and having its focus located within said housing, and means for illuminating said dioptric lens to effect widely differentiated radiation therefrom when employed as a signal and wnen employed as a marking device respectively, said illuminating means consisting of a major bar-like incandescent filament disposed within said lamp housing perpendicular to the lens axis and having its median portion of maximum intensity located at the focus of the lens, and an elongated minor incandescent filament of lesser candlepower disposed within said housing behind the lens focus and having its axis arranged at an acute angle with respect to that portion of the axis of said lens lying behind the lens focus, said minor filament axis lying in a plane disposed at right angles with respect to the plane common to said bar-like major filament and said lens axis.

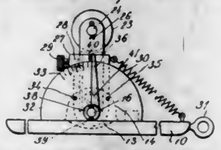
2,245,791
BRAKING OR FRICTION DEVICE
Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 22, 1937, Serial No. 138,290
6 Claims. (Cl. 188—152)

1. A construction for resisting relative rotational movement of members comprising a friction surface on one of the members, a deformable rubber friction element on a second member, a plurality of protuberances integrally formed on the friction element and directed toward said friction surface, said protuberances normally being spaced from the friction surface to permit relative rotational movement of the members, a fluid receiving chamber formed within the friction element, said chamber extending in substantially parallel relation to said friction surface over an area substantially coextensive with the portions of the friction element having said protuberances formed thereon so as to underlie substantially all portions of the friction element which engage the friction surface, the chamber extending in a direction substantially normal to said friction surface a distance less than the



thickness of one wall of the friction element, whereby said chamber normally has a relatively small volumetric capacity and underlies a relatively large area of friction element surface, and means through which fluid can be introduced into the chamber under pressure to deform the friction element and force the protuberances into frictional engagement with the friction surface, said friction element being arranged, upon the release of fluid from the chamber, to return by inherent resiliency to normal position with the integral protuberances withdrawn from the friction surface.

2,245,792
GAUGE
Herman C. Kuhn, Hammond, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application June 14, 1938, Serial No. 213,588
5 Claims. (Cl. 33—178)

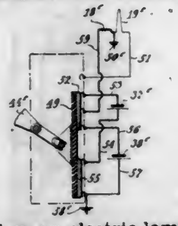


1. A gauge for testing the cross-sectional dimensions of a passage which comprises a base having side portions adapted to engage the wall of the passage at at least two points across a section thereof, an arm pivoted to the base and adapted to swing outwardly therefrom to engage the wall of the passage at a third point, and means attached to the arm and the base for causing said arm to swing outwardly and to collapse when the arm has swung outwardly from the base through a predetermined angle.

2,245,793
MULTIPLE FILAMENT LAMP
John H. Kurlander, Nutley, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 30, 1937, Serial No. 166,528
10 Claims. (Cl. 240—10.6)

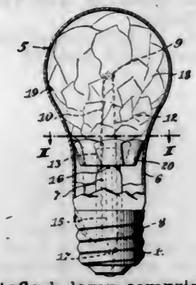
6. In combination with a reflector, an electric lamp comprising a bulb enclosing a plurality of

incandescible filaments, one of said filaments being hairpin shaped, straddling another, and extending along the axis of projection of said reflector, the straddled filament being coiled, the focus of said reflector lying on the axes of both filaments, and lying in a transverse plane including end portions of the straddling filament, whereby when the straddling filament is energized a relatively dispersed beam of light is projected by said reflector, and when the straddled filament is energized a relatively concentrated beam of light is projected by said reflector.



8. In combination, an electric lamp comprising a bulb enclosing a pair of incandescible filaments, a projector casing serving as a lamp mounting and enclosing a pair of dry cells, a pair of switches, and means connecting said filaments to said cells through said switches, so that one of said filaments may be energized by said cells connected in series, and the other by said cells connected in parallel.

2,245,794
PHOTOFLASH LAMP
John H. Kurlander, Nutley, and Raymond Le Roy Kreidler, Bloomfield, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 26, 1939, Serial No. 252,882
4 Claims. (Cl. 67—31)



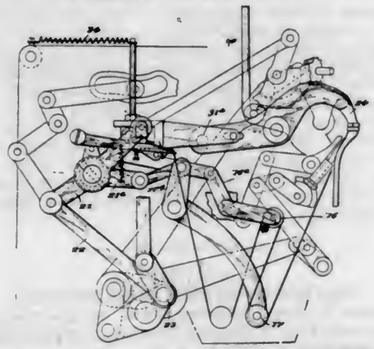
2. A photoflash lamp comprising a sealed gas-tight transparent bulb provided with an oxygenic atmosphere therein, an oxidizable material disposed in said bulb which is readily combustible with oxygen for producing an intense momentary actinic effect, an igniting element disposed interiorly of said bulb in proximity to said oxidizable material for causing combustion of the latter with the oxygen in said bulb when electrical energy is supplied to said igniting element, and a heat deflecting non-combustible baffle disposed in said bulb between said oxidizable material and the seal of said bulb and provided with upwardly extending wall portions with the edge thereof frictionally engaging the wall of said bulb, said baffle having a reinforced perforated center section and being yieldable upon an increase in gas pressure following combustion of said oxidizable material to cause the upwardly extending wall portions to more firmly engage the wall of said bulb and to enable the gradual expansion of the gas through said perforations for the purpose of preventing the increase in pressure from being too suddenly imposed upon the neck and seal of said bulb and for preventing the hot products of combustion from accumulating in the vicinity of the seal and neck of said bulb.

2,245,795
ELECTRIC SHAVER
Myron J. Landgraf, Chicago, Ill., assignor to Henry J. Goldblatt, Chicago, Ill.
Application September 25, 1937, Serial No. 165,655
5 Claims. (Cl. 30—43)



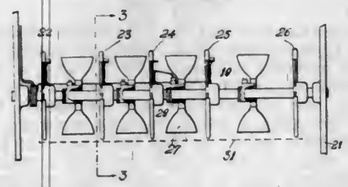
1. In an electric shaver, a head having a shear plate provided with a plurality of rows of teeth having hair receiving slots between them, slots of successive rows being staggered with respect to each other, and a shearing cutter having hair receiving slots disposed in contact with said shear plate, said shearing cutter comprising a generally U-shaped member having hair receiving slots in one leg thereof, said leg bearing said hair receiving slots being in contact with said shear plate.

2,245,796
THREAD MEASURING AND LOCKING DEVICE FOR SEWING MACHINES
Frank A. Larson, Saugus, Mass.
Original application January 18, 1936, Serial No. 59,723. Divided and this application March 8, 1938, Serial No. 194,655
6 Claims. (Cl. 112—58)



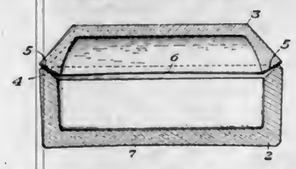
1. The combination with a sewing machine, of means for measuring out predetermined and variable amounts of thread to the needle thereof, comprising an oscillating thread measuring member through which the thread is threaded, said member arranged for engagement and actuation by a member of the machine having a predetermined range of movement, a stop engageable by said thread measuring member, and connected to be automatically varied in position according to the setting of the presser foot of the machine, from which stop said thread measuring member is pressed by said movable member of the machine, and a spring acting to draw said thread measuring member and hold it against said stop, whereby the thread measured out by said member varies according to the extent of opening of the presser foot, the threading arrangement through said thread measuring member being such with respect to said stop that the stop engages the thread and clamps it against said thread measuring member as said member engages said stop.

2,245,797
DRYING ATTACHMENT FOR MULTICOLOR PRESSES
Theodore Makarius, Flushing, N. Y.
Application July 6, 1940, Serial No. 344,259
10 Claims. (Cl. 34—4)



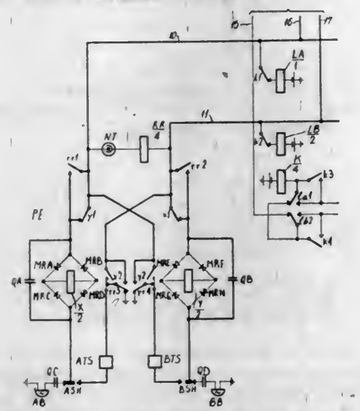
1. In a printing press, a skeleton cylinder adapted to deliver to a succeeding stage a sheet discharged by a printing couple, said skeleton cylinder consisting of a rotatable shaft and a plurality of laterally spaced relatively narrow elements fixed on said shaft, a heat generating unit mounted on said cylinder intermediate two adjoining elements, said unit being adapted to direct radiant heat towards the peripheral zone of the cylinder.

2,245,798
BOX AND SIMILAR RECEPTACLES
Robert A. May, Washington, Pa., assignor to Duncan & Miller Glass Company, Washington, Pa., a corporation of Pennsylvania
Application April 9, 1940, Serial No. 328,657
3 Claims. (Cl. 215—1)



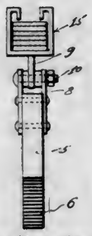
1. A rectangular receptacle comprising a body and a cover, the body having a rim facing the cover and the cover having a rim facing the body, one of said rims lying generally inside the other when the cover is directly superimposed on the body, one of the body and cover having a surface inclined to the general plane thereof adjacent its rim engaging the rim of the other thereof so that the cover may be slid atop the body to partially open position and said inclined surface will cause an edge of the cover to ride up thereon whereafter further sliding of the cover in the same general direction is accompanied by contact of rim portions only of the body and cover at the raised portion of the cover whereby frictional resistance to sliding of the cover relatively to the body is minimized.

2,245,799
TELEPHONE SYSTEM
John William McClew, West Derby, Liverpool, and Owen Avis Pearce, Barnston, England, assignors to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware
Application December 8, 1938, Serial No. 244,556
In Great Britain December 13, 1937
7 Claims. (Cl. 179—17)



1. In a telephone system, an exchange, a two-party line outgoing from said exchange, control equipment common to the stations served by said line and located at a point on said line intermediate the stations and the exchange, a relay in said equipment, and means for operating said relay on calls between said two stations to connect both of the stations to said line.

2,245,800
MOTOR VEHICLE ELEVATING DEVICE
Joseph J. McDonald, Lebanon, Pa.
Application August 2, 1940, Serial No. 349,574
4 Claims. (Cl. 254—94)

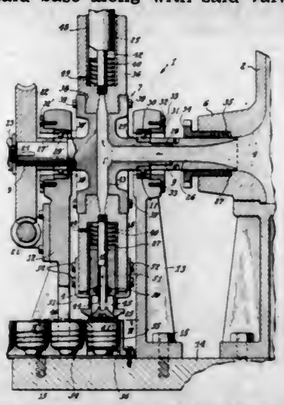


1. In a vehicle elevating device, a substantially segmental shaped ground engaging member presenting an arcuately curved face having serrations thereon, a bracket attached to one end of said member, and a substantially U-shaped clamp pivotally connected to said bracket for detachably securing said member on a vehicle.

2,245,801
BASING MACHINE
Michael E. McGowan, Bloomfield, N. J., assignor, by mesne assignments, to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 22, 1936, Serial No. 107,004
10 Claims. (Cl. 18—1)

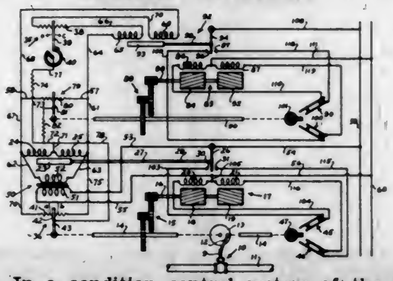
10. A machine for preparing bases for attachment to evacuated bulbs comprising a cement-

applying valve, means for supplying cement to said valve, means for applying pressure to the cement to cause it to feed to said valve, means for carrying said valve along a certain path, means for indexing a base with said valve, means associated with said valve-carrying means for moving said base along with said valve to keep



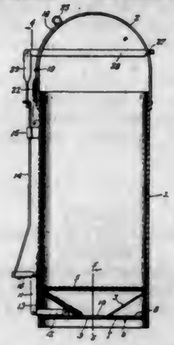
both in registry for properly applying cement to the former, and means independent of the base-moving means for causing relative movement between said base and valve, while moved by said valve-carrying means, to effect opening of said valve and application of an annulus of cement to said base while in motion.

2,245,802
CONDITION CONTROLLING SYSTEM OF THE FOLLOW-UP TYPE
William L. McGrath, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 24, 1938, Serial No. 231,611
16 Claims. (Cl. 236—78)



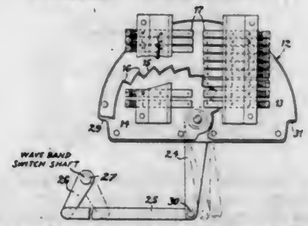
1. In a condition control system of the follow-up type, means for changing the value of a condition, a regulating device for said condition changing means, a motor for positioning said device, means responsive over a limited range of values to said controlling condition, means including said condition responsive means for so controlling the energization of the motor as to cause the same to move said device to a position corresponding to the value of the controlling condition, and means tending to limit the movement of said device produced as the result of a change in the value of the controlling condition over the range of response of said condition responsive means to a relatively small portion of its total range of movement and slowly to permit further movement of the device in the same direction as long as a change exists.

2,245,803
FERTILIZER DISTRIBUTOR
Enoch L. McWhirter, Pontotoc, Miss.
Application October 26, 1939, Serial No. 301,486
2 Claims. (Cl. 221—119)



2. A locking means for a fertilizer distributor of the type comprising a container having a discharge opening controlled by a valve, a slotted bail mounted on the container and a lever operable in the slotted bail and connected to the valve, including a latch pivotally mounted, at an intermediate point, on the bail, said latch having a longitudinal slot in one end portion and a transverse slot in its other end portion, the transverse slot having spaced notches in one of the walls thereof, shoulders at spaced points on the opposite walls of the longitudinal slot engageable selectively with the lever for securing said lever in adjusted position, and a spring having one end adjustably connected to the latch and engageable selectively in the notches in the transverse slot for securing said latch in adjusted position.

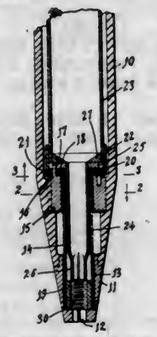
2,245,804
TUNING MECHANISM FOR RADIO APPARATUS
Frank Allen Mitchell, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application September 13, 1938, Serial No. 229,642
In Great Britain September 13, 1937
2 Claims. (Cl. 250—40)



1. In a tuning control means for radio apparatus and the like, a rotor shaft for operating the tuning means, a selector disc mounted for rotation with said shaft, said selector disc comprising two conducting zones separated by an insulation zone, said conducting zones being arranged so that the insulation zone appears on the surface of said selector disc as a spiral relative to the rotor shaft, a plurality of laterally adjustable contacting fingers mounted so as to make contact with the surface of the selector disc, motor means for rotating said shaft, a motor circuit including selectively operable means cooperating with said contact fingers for

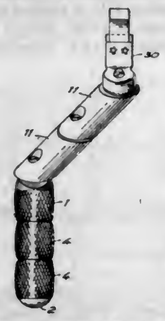
controlling the operation of said motor to thereby provide for adjusting said tuning means to any one of a plurality of positions, a wave change switch for said radio apparatus and means on said disc for controlling the operation of said switch upon operation of said shaft to one of said positions.

2,245,805
MECHANICAL PENCIL
Lucifer J. Most, Hudson County, N. J.
Application March 30, 1940, Serial No. 326,859
4 Claims. (Cl. 120—18)



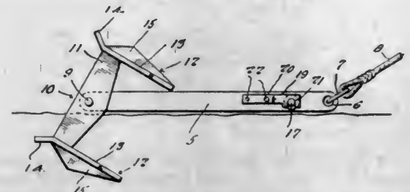
1. In a mechanical pencil, an interiorly threaded member for engaging a lead directly, a lead guide for directing a lead to the member and having means inherent to its shape for preventing a lead shaped to cooperate with the guide from turning in the guide but permitting the lead to move longitudinally, a second lead guide of circular cross-section for frictionally engaging a lead coming from the threaded member to prevent its turning in the second guide, and means for turning the threaded member relatively to the guides.

2,245,806
RIVETING TOOL
Otto Oeckl and Heinrich Werth, Berlin, Germany, assignors to Henschel Flugzeug-Werke A. G., Schonefeld, Kreis Teltow, Germany
Application June 1, 1938, Serial No. 211,176
In Germany June 14, 1937
8 Claims. (Cl. 78—46)



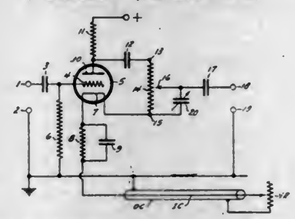
1. An implement of the character described, comprising at least three members arranged in tandem fashion and pivotally connected with one another at their adjacent ends so as to be adjustable in angular relation to each other, the adjacent ends of said members embodying means to prevent them from undesired angular movement, and means for locking said members at their pivotal connections in an adjusted position, a first one of said members being an end member forming a handle, a second one of said members being an end member forming a tip member or tool-carrying member, and the pivot axis the one end of a third one of said members being in transverse relations to the pivot axis at the other end of such member.

2,245,807
MARINE ANCHOR
William H. Oehrle, Newport, R. I.
Application November 10, 1939, Serial No. 303,902
1 Claim. (Cl. 114—208)



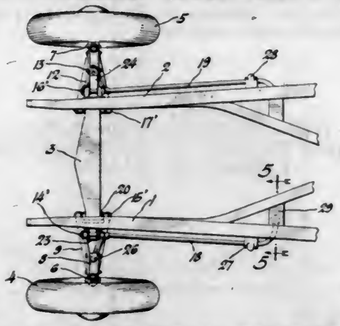
A marine anchor comprising a shank having an eye in one end to receive an anchor cable ring, an elongated head pivoted intermediate its ends to the other end of said shank, flukes integral with the ends of the head and extending at right angles thereto and paralleling each other, a cross arm slidable in the shank, a collar formed on the cross arm, a catch pivotally mounted on the shank and having a bifurcated portion to receive the cross arm and engage with the collar to hold the latter in abutting engagement with the shank, said catch having an opening, a pin slidable in the shank to engage in the opening in the catch to hold the latter in cross arm holding position and having a head, and a spring element carried by the shank to engage the head of the pin to hold the latter in the opening of the catch.

2,245,808
CONTROL CIRCUIT
Arthur Leonard Oliver, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application November 8, 1938, Serial No. 239,481
In Great Britain December 1, 1937
7 Claims. (Cl. 179—171)



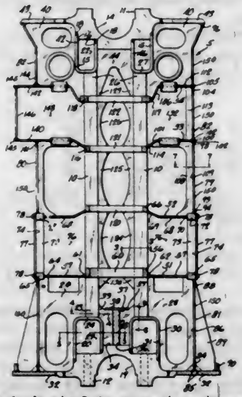
1. In an arrangement for controlling the output of an electronic tube, means including a variable impedance device for providing negative feedback between the output circuit and the input circuit of said tube, said variable impedance device being adapted to control the amount of negative feedback, additional coupling for signal energy between said output circuit and the input circuit, said additional coupling being adjusted so that with the variable impedance adjusted to provide maximum feedback the output of the amplifier is substantially zero.

2,245,809
AUTOMOBILE SUSPENSION SYSTEM
Maurice Olley, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 16, 1936, Serial No. 74,611
4 Claims. (Cl. 267—57)



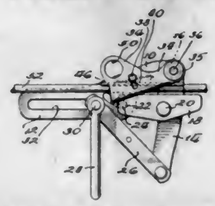
1. In a vehicle having an independent suspension of a pair of road wheels of which each road wheel is mounted on a wheel support member which is pivotally mounted between the outer ends of upper and lower laterally extending links, fixed determinate pivot axes for the inner ends of said upper and lower links on the vehicle frame, said pivot axes being divergent in a direction away from the vertical transverse plane of the center of gravity of the vehicle, and a torsion rod spring resiliently restraining upward pivotal movement of the links, said torsion rod spring being arranged longitudinally of the vehicle and having cranked end portions through which it is respectively connected to one of the links and to the vehicle frame.

2,245,810
FABRICATED ENGINE FRAME STRUCTURE
James W. Owens, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application August 28, 1939, Serial No. 292,230
9 Claims. (Cl. 123—195)



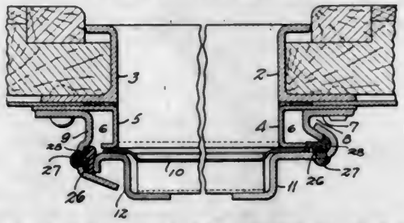
1. In a fabricated frame structure for a multicylinder engine, a set of spaced frame members extending vertically substantially throughout the major portion of the vertical extent of the frame, laterally directed, vertical plate means in metallically united engagement with the upper ends of said frame members, said plate means being endwise formed to engage engine shaft bearing elements, engine shaft bearing elements structurally united with the lower ends of said frame members, a set of deck-forming frame members each continuous in a direction endwise of the engine, through the cylinder-containing portion of the frame, one of said sets of frame members being adapted for the reception of portions of the other set of frame members in close interfitting and metallically united engagement, deck forming members further being provided with cylinder-receiving openings, and side closure plates metallically united to said deck forming members and said plate means.

2,245,811
WIRE GRIPPING TOOL
Lorence O'Russa, Princeville, Ill., assignor to Mathias Klein & Sons, Chicago, Ill., a corporation of Illinois
Application October 11, 1940, Serial No. 360,708
6 Claims. (Cl. 24—132)



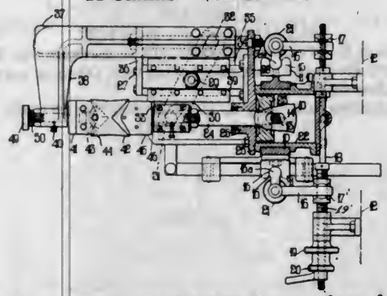
4. In a wire grip, the combination of a pair of relatively movable jaws having generally parallel gripping surfaces engageable with a wire to be gripped, means for moving said jaws into gripping engagement with a wire, a latch pivoted to one of said jaws, a means cooperating with said jaw for limiting the pivotal movement of said jaw, said jaw having an edge portion extending diagonally across the projection of the space between the gripping surfaces of said jaws when in one extreme position and being removed from said space when in its opposite extreme position, and resilient means for moving said latch to position obstructing the insertion of a wire between said jaws.

2,245,812
WEATHERPROOFING STRUCTURE
Clarence W. Osner and Edwin G. Busse, Chicago, Ill., assignors to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application June 7, 1940, Serial No. 339,278
8 Claims. (Cl. 20—26)



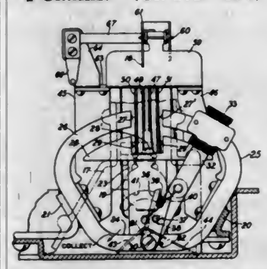
1. In a sliding door weather-sealing arrangement, a door post structure, a door edging structure, one of said structures having a flexible weather-strip of deformable material with sides disposed angularly relative to each other and the other of said structures having spaced edges arranged to contact different sides of said weather-strip from different directions to press said sides towards each other as the door is closed.

2,245,813
SHEARING MECHANISM FOR USE WITH DEVICES FOR FEEDING MOLTEN GLASS TO FORMING MACHINES
Thomas Finney Pearson, Pontefract, England, assignor to Crown Cork & Seal Company, Inc., New York, N. Y., a corporation of New York
Application July 14, 1938, Serial No. 219,282
In Great Britain July 22, 1937
11 Claims. (Cl. 49—14)



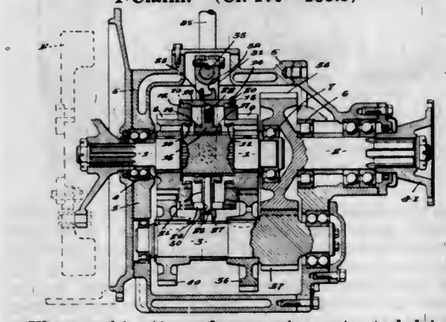
9. A shearing mechanism for a glass feeder comprising a vertically disposed yoke, a support for the yoke carried by the floor of an associated forehearth and upon which the yoke is relatively movable by pivoting action about a vertical axis and by substantially horizontal translational movement, a laterally projecting shear assembly carried by the yoke and means for imparting the aforesaid movements to the yoke and the shear assembly, said means comprising a pair of bell crank levers pivoted about spaced, fixed, vertical axes, each of said levers having an arm disposed in engagement with opposite sides of the yoke and a rearwardly projecting arm, and threaded shafts operatively connected to said last-named arms, whereby pivoting movement imparted by the shafts to the levers in a common direction swings the yoke and the shear assembly about the vertical axis of said support and pivoting movement imparted by the shafts to the levers in opposite directions relative to each other imparts translational movement to the yoke and the shear assembly.

2,245,814
COIN COLLECTOR APPARATUS
Robert L. Peek, Jr., Townley, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 19, 1938, Serial No. 225,723
4 Claims. (Cl. 175—340)



1. In a coin collector, a relay comprising a substantially closed path of magnetic material having an arcuate-shaped portion, an arm of magnetic material joined at one end to said path with an air-gap between its other end and said arcuate portion, said material including means for producing a magnetic potential therein, said arcuate portion having an air-gap at an intermediate point adjacent said arm, a movable coil encircling said arcuate portion with one side of said coil between said arm and said arcuate portion, and means for biasing said coil to a neutral position surrounding the air-gap in said arcuate portion.

2,245,815
TRANSMISSION GEARING
Carl D. Peterson and Albert H. Deimel, Toledo, Ohio
Application December 13, 1938, Serial No. 245,442
1 Claim. (Cl. 170—135.5)

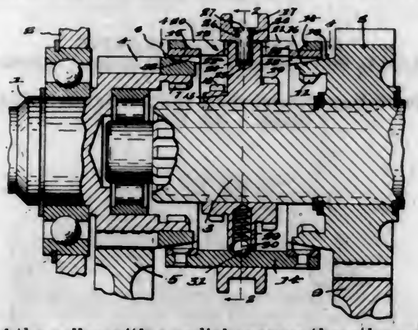


The combination of an engine actuated driver, a propeller having the characteristics of a marine propeller, a propeller shaft, and a transmission gearing including an input shaft connected to the driver, an output shaft connected to the propeller shaft, reverse and forward gear trains between the input and output shafts, and a clutch shiftable in one direction from neutral to clutch the forward gear train in driving connection with the input and output shafts and in the opposite direction to connect the reverse train in driving connection with the input and output shafts, the clutch including jaw sections and friction sections rotatable and shiftable with the jaw sections and frictionally coacting with the gear of each of said trains in advance of the engagement with the jaw section, the friction sections being capable of transmitting torque from the input to the output shaft through the gear train and being constructed to have only sufficient friction to overcome the driving action of the propeller under the influence of the propeller being dragged or pushed, which propelling effect tends to drive the propeller shaft, and less than enough friction to transmit full torque of the driver at engine idling speed, the clutch also including means for blocking out engagement of the jaw sections until the output shaft and the propeller shaft have been reversed through one or the other of the friction clutches and the speeds of the parts to be clutched together by the jaw clutches synchronized, when shifting into forward gear from reverse or into reverse from forward speed, all without declutching the input shaft from the engine actuated driver.

2,245,816
SYNCHRONIZING CLUTCH CONSTRUCTION
Carl D. Peterson, Toledo, Ohio
Application December 29, 1939, Serial No. 311,619
3 Claims. (Cl. 192—53)

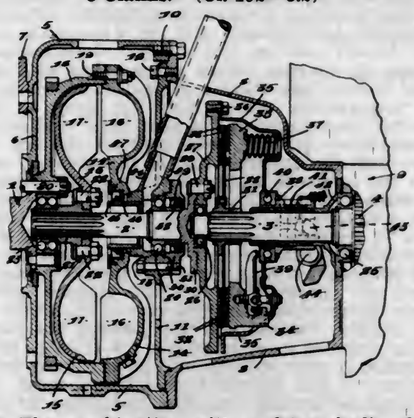
1. In a transmission gearing including a shaft and an element to be clutched to the shaft having a friction face and a toothed face, the com-

bination of a clutch element including a toothed section rotatable with the shaft and shiftable axially thereof and having a toothed face, and a friction section in the general form of a sleeve encircling the toothed section and having a friction face for coacting with the former friction face, a shifting collar encircling the sleeve, the sleeve being formed with lengthwise slots and the toothed section being formed with a radial bore



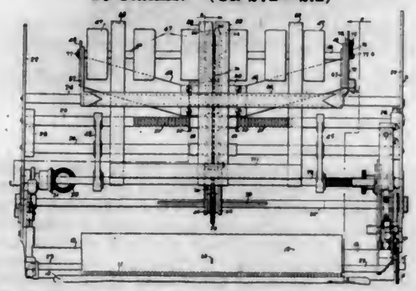
and the collar with a radial passage therethrough alined with the bore, radial pins extending through the passages of the collar and into the radial bore of the toothed section and snugly fitting said bore and being integrally united to the collar in the passages thereof, each radial bore and alined radial passage being of substantially the same diameter, whereby the pins are placeable in position, after the toothed section, sleeve and collar are assembled.

2,245,817
TRANSMISSION MECHANISM
Carl D. Peterson and Albert H. Deimel, Toledo, Ohio
Application February 6, 1940, Serial No. 317,568
5 Claims. (Cl. 192—3.2)



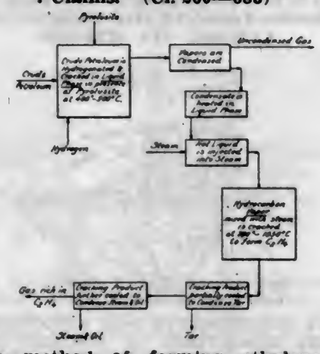
1. The combination with a drive shaft, of a power transmission mechanism comprising a hydraulic coupling unit including an impeller rotatable with the drive shaft and a runner, a coupling shaft on which the runner is mounted, alined end to end with the drive shaft and having a journal bearing in the impeller, and a clutch unit including a clutch shaft alined end to end with the coupling shaft, and driving and driven members, the driving member being detachably coupled to the coupling shaft and the driven member being mounted on and rotatable with the clutch shaft, means operable to engage and disengage the driving and driven members, and housings for the units detachably coupled together, and one of said housings having a hub providing an intermediate bearing for the end of the coupling shaft remote from the drive shaft, the impeller having an oil sealed bearing on said hub.

2,245,818
MANIFOLDING DEVICE
William C. Pfeiffer, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application May 5, 1939, Serial No. 271,979
16 Claims. (Cl. 271—2.1)



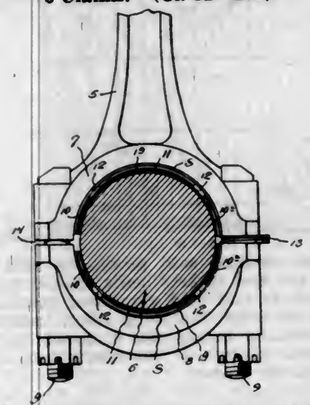
1. In a manifolding machine adapted to be employed in association with a record printing machine, means for feeding a plurality of superimposed sheets comprising a feeding finger adapted to engage a cooperating aperture in the sheets being fed and to move said sheets therewith, said feeding means being adjustable laterally with respect to said sheets in a plurality of predetermined laterally spaced positions of lateral adjustment, spacer means determining said predetermined positions, and means cooperating with said spacer means for locking said feeding means in any of said positions of adjustment.

2,245,819
PROCESS FOR THE MANUFACTURE OF ETHYLENE
Frank Porter, Syracuse, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application July 14, 1937, Serial No. 153,495
7 Claims. (Cl. 260—683)



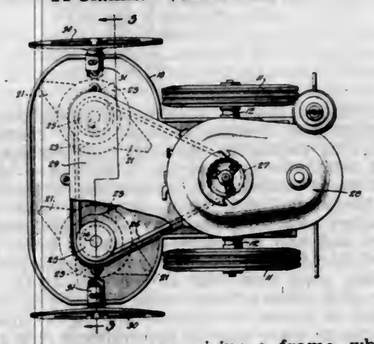
1. The method of forming ethylene from petroleum hydrocarbons having a boiling point above about 300° C., which comprises subjecting such hydrocarbons in liquid phase to a combined hydrogenation and cracking at a temperature between 400° and 500° C., and subjecting the resultant hydrogenation cracking product to vapor phase cracking at a temperature between 780° and 1050° C. to convert hydrogenation cracking products to ethylene.

2,245,820
ABRADING DEVICE
Frank Postma, Glen Rock, N. J.
Application January 15, 1941, Serial No. 374,573
3 Claims. (Cl. 51—185)



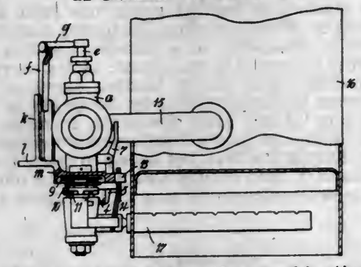
1. As a new article of manufacture, abrading liners for engine crank shaft bearings, consisting of a pair of arcuate outer carrier shells of relatively thin flexible metal adapted to seat against the bore of the bearing and having transverse recesses in the inner faces thereof intermediate the ends of the same, said carrier shells having shims integral with corresponding ends thereof and having their other ends devoid of shims, and end and intermediate abrading elements secured on the inner faces of said carrier shells, said intermediate abrading elements being removably disposed in said recesses and composed of thin flexible members having abrading inner surfaces and tapering thicker from the ends to a point intermediate the ends thereof.

2,245,821
LAWN MOWER
Ralph Reese Poynter, Lebanon, Ind.
Application November 7, 1940, Serial No. 364,719
14 Claims. (Cl. 56—25.4)



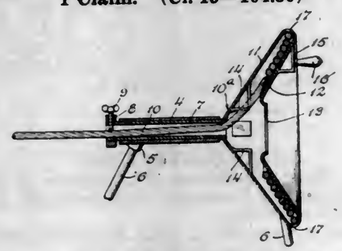
1. A lawn mower comprising a frame, wheels mounted at the rear of the frame, a vertical shaft mounted on the forward end of the frame, means for rotating said shaft, a cutter member mounted at the lower end of the shaft for rotation therewith and additional cutter members carried by the shaft above the lower cutter member.

2,245,822
GAS SUPPLY CONTROL MEANS FOR WATER HEATERS
Mechel Rabinowicz, London, England
Application May 2, 1939, Serial No. 271,362
In Great Britain May 7, 1938
11 Claims. (Cl. 236—25)



1. In a water heater, the combination of a water conduit, a water tap for controlling the flow of water through said conduit, a main gas burner, an auxiliary gas burner, a gas tap for controlling the supply of gas to said main burner and having a separate conduit for supplying gas to the auxiliary burner, an actuating handle connected to one of said taps, coupling means for operatively connecting the gas and water taps to one another, automatic closing means for the gas tap arranged to urge the tap into the closed position, a thermostat device located in the heating zone of the auxiliary burner, locking means under the control of said thermostat device for maintaining the gas tap in the open position, a valve for controlling the supply of gas to the auxiliary burner from the gas tap and actuating means for said valve including a member exposed to the force of the water in the water conduit and arranged to close said valve on the water conduit becoming empty.

2,245,823
WASTE PIPE CLEANING APPARATUS
Morris Rappaport, Brooklyn, N. Y.
Application May 16, 1939, Serial No. 273,829
1 Claim. (Cl. 15—104.30)



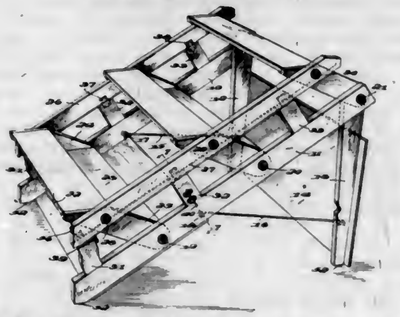
A rotatable housing in which a pipe cleaning wire is adapted to be coiled and from which said wire is capable of being fed when cleaning a pipe, said housing having a wire outlet in one wall thereof, and a series of spaced wire-binding lugs arranged about and adjacent said outlet and extending in directions substantially away therefrom, said lugs being arranged and adapted to

abut the wire to impart axial rotation thereto when said housing is rotated, but which the wire may clear when it is manually moved into and out of said housing.

2,245,824
METHOD OF MANUFACTURING GLASS ROPE
Rudolph George Roesch, Syracuse, N. Y., assignor to The Eraser Company, Inc., Syracuse, N. Y., a corporation of New York
No Drawing. Application August 3, 1940, Serial No. 351,172
6 Claims. (Cl. 96—3)

1. A method of making glass rope from glass filaments or fibres including gathering a suitable number of filaments in a bundle, treating the individual filaments in the bundle with a covering and binding agent which binding agent in the liquid form is characterized by its ability to wet the surface of the glass filaments, forming the treated filaments into a substantially cylindrical bundle, drying the treating agent to form a unitary strand of said bundle and pleating a plurality of said bundles to form a multi-strand glass rope.

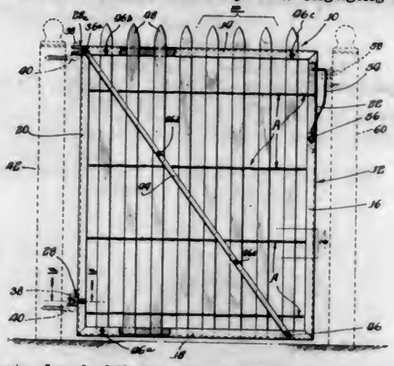
2,245,825
FOLDING STAND
Willard E. Ross, Falls Church, Va.
Application February 11, 1939, Serial No. 256,005
8 Claims. (Cl. 20—0.5)



1. In a folding stand, a frame including a pair of laterally spaced apart inclined support members, a pair of corresponding side members each spaced vertically from the respective support members, a rigid seat unit having end members spaced apart by a seat board and a foot board and pivotally connected between the side members and the support members, and foldable spacer members interposed between each side member and its respective support member whereby the members may be collapsed.

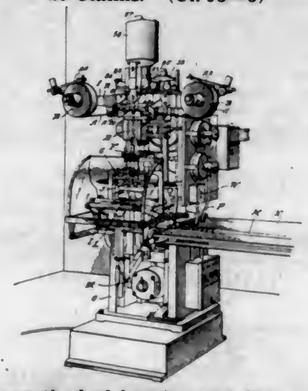
2,245,826
GATE CONSTRUCTION
Alvin V. Rowe, Galesburg, Ill., assignor to Rowe Manufacturing Company, Galesburg, Ill., a corporation of Illinois
Application November 7, 1939, Serial No. 303,257
6 Claims. (Cl. 256—73)

1. A gate construction including a metallic frame formed of a channel section having its side flanges notched at spaced points and bent to provide circuitous form having an open inner face, integral at the corners and including side, bottom and top sections, the upper section having its base flange apertured at longitudinally spaced points, a plurality of wooden pickets disposed in spaced relation and having their upper portions complementarily extending through said apertures, the lower portions of said pickets being spaced and being received between the upwardly extending side flanges of the lower channel portion and a plurality of elongated twisted members extending laterally and engaging said



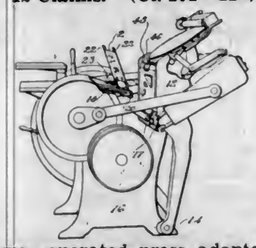
pickets for holding said pickets in said spaced relation, the end pickets being spaced from said side channels and said elongated members extending therefrom and being freely lodged within the inwardly facing side channels for maintaining said pickets in predetermined relationship within the frame.

2,245,827
PACKAGE FORMING AND FILLING MACHINE
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application August 17, 1939, Serial No. 290,604
29 Claims. (Cl. 93—3)



1. The method of forming and filling packages consisting in feeding a plurality of continuous layers of packaging material into juxtaposition and vertically downwardly with a step-by-step movement, successively at the end of each step of feeding of said layers securing said layers together to form a bag-like container having an open end and depositing substance to be packaged into said container through said open end, closing said open end at the end of the next step of feeding of said strips whereby to form a chain of closed containers, placing a label beneath the lower edge of the endmost closed container at the end of the step of movement of said chain, folding said label around and securing it to said edge of said endmost closed container of said chain during a subsequent step of movement, and severing the container from said chain at the end of the last-mentioned step of feeding of said layers.

2,245,828
MACHINE FOR STENCILING
Arthur J. Schuh, Wollaston, Mass.
Application September 23, 1938, Serial No. 231,356
12 Claims. (Cl. 101—114)

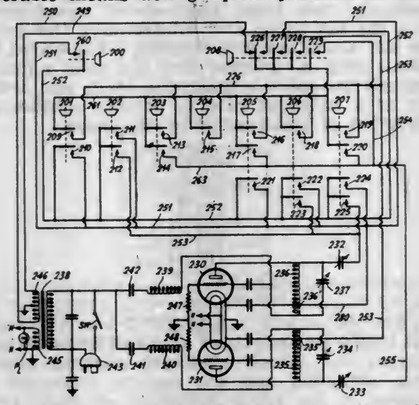


1. A power operated press adapted for stencil work having, in combination, a printing bed, a work holding platen mounted for movement towards and from the printing bed, stencil supporting means between the bed and the platen, a clamping frame on the printing bed for releasably retaining a type chase, and an ink applicator on the printing bed comprising a resilient inking block and a wooden carrier shaped to fit and be retained interchangeably within the clamping frame, said carrier having a flat supporting surface to which the inking block is cemented and metallic inserts along those portions engaged by the clamping frame.

12. An ink pad for rapid impression use with a cut-out stencil on a power operated mechanical press designed for type printing work according to accepted type printing practice comprising a laterally unrestrained block of homogeneous material of such thickness and consistency that when a surface of the block carrying a thin layer of ink is pressed through the cut-out areas of a stencil against a work sheet, uniform distribution of ink is obtained along the surfaces of the work sheet without causing substantial spreading out of the block due to pressure.

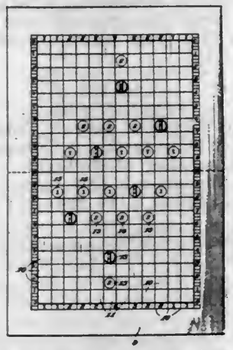
2,245,829
REMOTE CONTROL SYSTEM
Stuart W. Seeley, Bayside, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 9, 1937, Serial No. 168,180
3 Claims. (Cl. 177—380)

3. In a signalling system, a transformer having a primary winding adapted to be connected to an alternating current distribution network, and a secondary winding, an electronic tube oscillator including an anode, a cathode and a grid, a tank circuit for said tube, means for connecting the anode to a point of said tank circuit, the cathode to another point of the tank circuit and the grid to still another point of the tank circuit, a connection between an intermediate point of said secondary winding and the cathode, signal transmission means, means for coupling said tank circuit to said signal transmission means, a plurality of selectively operable means, one of said selectively operable means acting upon operation thereof to connect the anode of said tube to one end of said secondary winding, a second of said operable means acting upon operation thereof to connect the anode of said tube to the other end of the secondary winding, means connectible to said tank circuit for changing the frequency characteristics thereof, and a third operable means acting upon operation to con-



nect the anode of said tube to one end of the secondary winding of said transformer and said connectible means to the tank circuit simultaneously.

2,245,830
GAME
Lexington O. Sheffield, Raiford, Fla.
Application May 3, 1938, Serial No. 205,795
3 Claims. (Cl. 273—94)

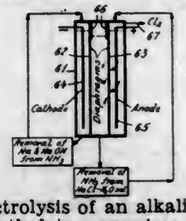


1. A game comprising a board marked off into squares, a plurality of men divided into two teams, the men of one team having a different characteristic of appearance from the men of the other team, each team comprising a plurality of different classes of men, the men of each class having different characteristics of appearance from the men of the other classes, and a plurality of chance-controlled indicating devices equal in number to the classes of men forming one of the teams, said chance-devices respectively having characteristics of appearance different from characteristics of appearance of the other chance-controlled devices.

2,245,831
ELECTROLYSIS OF SALTS IN LIQUID AMMONIA
Charles Forbes Silsby, White Plains, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application February 15, 1938, Serial No. 190,591
9 Claims. (Cl. 204—59)

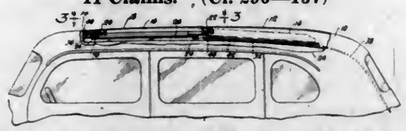
1. In the electrolysis of an alkali-metal salt

wherein the catholyte comprises liquid ammonia, the improvement which comprises maintaining between the anode and cathode a liquid partition of an alkali-metal salt solution substantially free from alkali-metal uncombined with the salt anion and substantially free from the salt anion uncombined with alkali-metal by maintaining a gradual flow of said solution through the space between the anode and cathode at a sufficient rate to prevent substantial migration of alkali-metal to the anode.



4. In the electrolysis of an alkali-metal halide wherein the catholyte comprises liquid anhydrous ammonia and the anolyte comprises a member of the group consisting of liquid ammonia and water, the improvement which comprises introducing between the anode and cathode, at a sufficient rate to maintain between the anode and cathode a liquid partition of alkali-metal salt in liquid ammonia substantially free from alkali-metal uncombined with the salt anion thereby to prevent substantial intermingling of liberated alkali-metal with liberated halide, a solution of alkali-metal halide in liquid anhydrous ammonia, substantially free from alkali-metal uncombined with halide and substantially free from halide uncombined with alkali-metal.

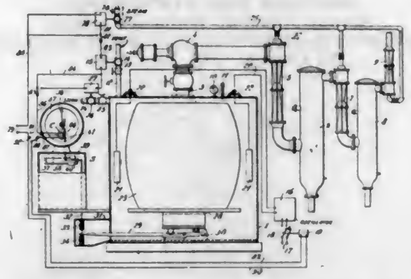
2,245,832
SLIDING TOP
Emory Glenn Simpson, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application November 1, 1938, Serial No. 238,236
11 Claims. (Cl. 296—137)



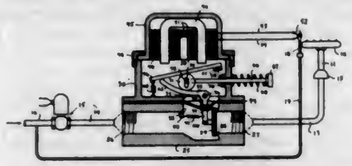
1. In a top for automobiles, a combination of a roof having an opening therein, a panel for closing the opening, means for slidably guiding the panel for movement into and out of closing position, said means including tracks secured to the body and projections on the panel engaging the tracks, and pivoted projection receiving members at the forward ends of the tracks alined with the tracks when the panel is in retracted position and adapted to lift the rear end of the panel in an arcuate path away from the tracks and into positively closed position when the panel is moved to its forward position.

2,245,833
APPARATUS FOR VARYING MOISTURE CONTENT
Horace L. Smith, Jr., and Lucian N. Jones, Richmond, Va., assignors, by mesne assignments, to Thermal Engineering Corporation, Richmond, Va., a corporation of Virginia
Application December 28, 1938, Serial No. 248,034
8 Claims. (Cl. 131—133)

3. Apparatus for altering the moisture content of tobacco or like material comprising a fluid tight chamber, means for evacuating said chamber, means for supplying steam to said chamber, means for supplying heat to a mass of tobacco in said chamber, means including a movable platform in said chamber and weight indicating means outside said chamber for continuously detecting the weight of the material in said chamber, means for initiating the operation of said evacuating means, said steam supplying means and said heat supplying means, and means controlled by said weight detecting means for discontinuing the operation of said evacuating means, said steam supplying means and said heat supplying means.

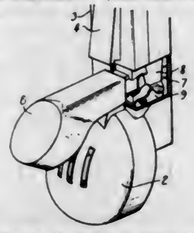


2,245,834
SAFETY CONTROL DEVICE
Hubert T. Sparrow, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 11, 1939, Serial No. 261,392
6 Claims. (Cl. 137—139)



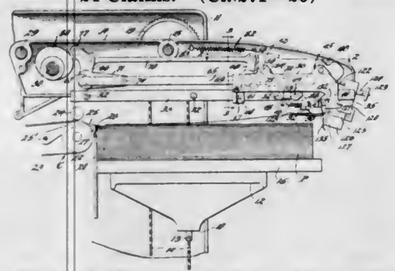
6. In combination, a valve biased to open position, an elongated casing therefor, a control housing secured to said casing, a pivotally mounted bell crank lever having one arm connected to said valve to move the same longitudinally of said valve casing and the other arm projecting into said control housing, a member pivotally mounted at a point within said control housing spaced from the pivot point of said lever and biased into engagement with said other arm of said lever to move said valve to closed position against its bias, holding means in said control housing for said member, and resetting means including a device reciprocable longitudinally of and between said pivoted member and said other arm of the bell crank lever, said reciprocable device being operable when moved inwardly of said control housing to enter between said pivoted member and said other lever arm when said pivoted member is engaging said arm and hence inclined with respect thereto to force them apart so as to move said member into cooperative relation with said holding means while holding said valve closed, until said member has been held by said holding means and said reciprocable device has been moved back in the direction of its original position.

2,245,835
TELEPHONE INSTRUMENT
Rudolph Frank Stehlik, Antwerp, Belgium, assignor to Associated Telephone & Telegraph Company, Chicago, Ill., a corporation of Delaware
Application May 11, 1939, Serial No. 272,951
In Great Britain May 18, 1938
2 Claims. (Cl. 179—103)



1. A telephone handset unit having a handle carrying the usual transmitter and receiver thereon, a throat operated microphone having a casing terminating in a plug rigid therewith, a socket in the handset, said socket containing switching springs operated for substituting the throat operated microphone for the usual transmitter when the plug is inserted in the socket and means cooperating with said socket for holding the microphone rigid with the unit above the transmitter.

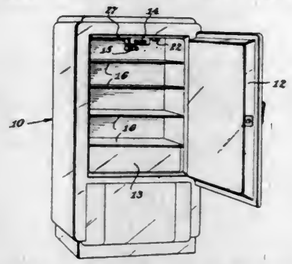
2,245,836
SHEET FEEDER
Anton Stobb, Westfield, N. J., assignor to American Type Founders, Inc., Elizabeth, N. J., a corporation of New Jersey
Application April 16, 1940, Serial No. 329,965
24 Claims. (Cl. 271—26)



1. Sheet feeding mechanism for separating and feeding sheets from a pile supported by a pile board, comprising, in combination, a feeder head supported above the pile, a suction gripper movably carried by said feeder head, means for reciprocating said gripper in a straight line horizontally above the rear portion of said pile in a fore-and-aft direction and means actuated at a point in the cycle of horizontal movement for causing said gripper to descend toward the pile, seize a sheet, and then move diagonally upwardly again to raised position.

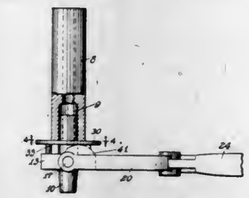
2,245,837
BALLAST LAMP FOR STERILAMP
Ralph N. Stoddard and Arthur R. Dennington, East Orange, N. J., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 9, 1939, Serial No. 294,082
7 Claims. (Cl. 201—63)

1. An enclosure for preserving articles subject to spoilage, a sterilizing discharge lamp therein, and an illuminating lamp having a filament connected in series with said discharge lamp, the resistance of said filament increasing with the increase of current therethrough, whereby



the illuminating lamp acts as a ballast resistance for said discharge lamp, a closure member for an opening in said enclosure and means operated by said closure member for short-circuiting the sterilizing discharge lamp.

2,245,838
ELECTRODE WELDING-TIP PULLER
Richard Hall Taylor, Greens Farms, Conn., assignor to Electroloy Company, Inc., New York, N. Y., a corporation of New Jersey
Application September 21, 1940, Serial No. 357,827
5 Claims. (Cl. 254—22)

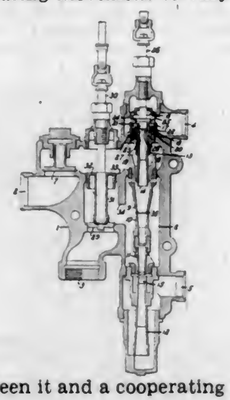


1. An electrode welding-tip puller comprising manually operable pinching means, gripping jaws adapted to engage a welding-tip, means for pivotally supporting said gripping jaws upon said pinching means, a washer adapted to surround a welding-tip and lie against its holder, means for movably supporting said washer on the outside of said gripping jaws, and cams on said pinching means adapted to engage said washer and separate said washer and gripping jaws when said pinching means is swung about its pivotal connection with said gripping jaws.

2,245,839
INJECTOR
Walter H. Tinker, Wadsworth, Ohio, assignor to The Ohio Injector Company, Wadsworth, Ohio, a corporation of Ohio
Application January 8, 1940, Serial No. 313,016
11 Claims. (Cl. 103—268)

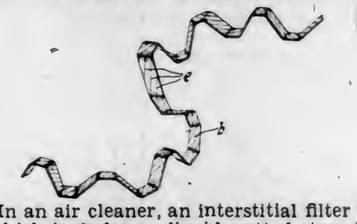
1. In an injector having the substantially customary tube and nozzle elements including a lifting steam nozzle and a forcing steam nozzle, valve means for controlling the admission of steam to said nozzles, comprising two steam valves interdependently actuated, one of said valves including positive seating means and means for varying the effective valve opening in response to the relative separation of said seating means, said means for varying the effective valve opening including a sleeve movable with its valve and having a tapered interior sur-

face serving during movement to vary the effec-



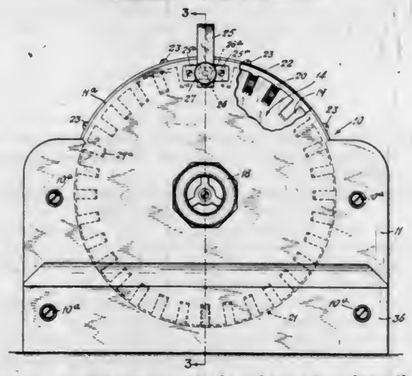
tive area between it and a cooperating fixed part.

2,245,840
FILTER MEDIUM
Hartwell W. Webb, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 29, 1936, Serial No. 98,556
15 Claims. (Cl. 183—45)



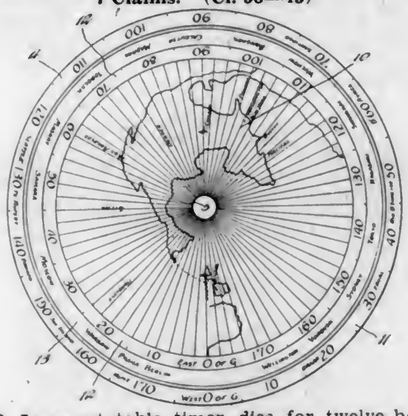
1. In an air cleaner, an interstitial filter medium which includes an liquid-wetted strand with ribs which define liquid-retaining channels on its surface.

2,245,841
BOBBIN DISPENSER
Benjamin G. Weiss, New York, N. Y., assignor to The Barbizon Corporation, New York, N. Y., a corporation of New York
Application June 6, 1940, Serial No. 339,081
7 Claims. (Cl. 312—72)



1. In an apparatus of the character described, a casing, a member rotatably mounted within said casing and having a plurality of peripherally arranged recesses formed therein, means for rotating said member, said casing having formed therein a first opening and a second opening, said openings being arranged in juxtaposition on opposite sides of the peripheral portion of said member and proximate the top of said casing, and adapted to register with different of said recesses when said member is rotated into various predetermined positions, a chute communicating at its lower end with said first opening, the axis of said chute being disposed substantially at a right angle to the axis of said openings, a plunger reciprocably mounted at the lower end of said chute in alignment with said first opening and at a right angle thereto, means for limiting the travel of said plunger so that the operative end thereof cannot travel substantially beyond said first opening in the direction of said member, a protective casing covering said second opening and having a discharge outlet formed therein, and resilient means tending to prevent displacement of articles from said recesses through said openings.

2,245,842
UNIVERSAL TIMER
Edward H. Werner, Elmhurst, Ill.
Application November 14, 1938, Serial No. 240,284
7 Claims. (Cl. 58—43)



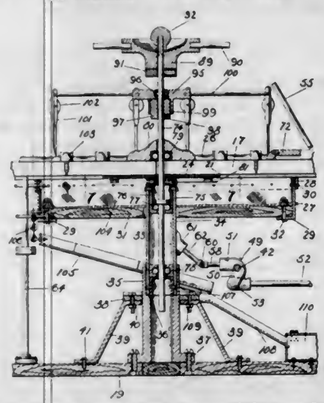
2. In a rotatable timer disc for twelve-hour clocks, a map representation of a portion of a hemisphere in which the outline of the land is in reverse to its normal appearance so that the west side thereof is disposed at the east, and the east at the west and showing on such a map.

6. In a universal clock timer, a disc applicable to the hour hand of a clock, comprising a central map in reversed order so that the west side thereof is disposed at the east, and the east at the west and radial graduations with two outer circles marked oppositely with 10's from 0 to 180, indicating the longitude of cities having geographical locations east and west of Greenwich, the totals of corresponding numbers of the two circles always being 180, thus indicating that the time of the cities corresponding thereto is twelve hours apart.

2,245,843
LUMINESCENT MATERIAL
Ludwig Wesch, Heidelberg, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
No Drawing. Application June 13, 1939, Serial No. 278,905. In Germany March 26, 1938
11 Claims. (Cl. 250—81)

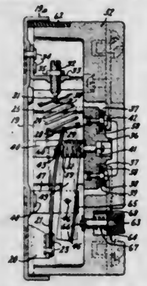
1. The method of activating luminescent materials which comprises melting component parts of the luminescent material, forming a plate from the melted material, polishing at least one face of the formed plate, depositing a layer of activating metal upon the polished face, and electrolytically combining the deposited metal with the luminescent material of the formed plate.

2,245,844
GAME APPARATUS
Edward W. Willig, Cincinnati, Ohio
Application September 26, 1940, Serial No. 358,501
11 Claims. (Cl. 273—138)



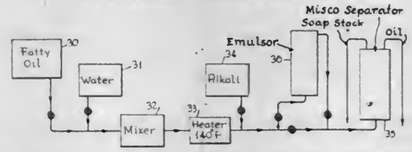
1. A game apparatus comprising a horizontal frame, play elements hingedly mounted on the frame, means for simultaneously moving said elements from normal horizontal positions to inwardly inclined positions and return, and means holding up an undetermined one of said play elements while the remainder are lowered.

2,245,845
CONTROL DEVICE
Russell A. Winborne, Oak Park, and Raymond L. Coultrip, Waukegan, Ill., assignors to Edison General Electric Appliance Company, Inc., Chicago, Ill., a corporation of New York
Application November 1, 1939, Serial No. 302,390
11 Claims. (Cl. 200—139)



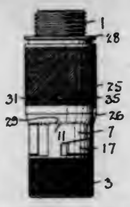
1. In an over-temperature release switch, a bimetallic temperature responsive member fixed at one end and having its opposite end free to move, pivotally mounted resilient means for engaging said free end of said bimetallic member to cause said member to move quickly and with a snap action, a bridging contact carrying member, a bracket secured to said contact carrying member, and means for loosely connecting said bimetallic member to said bracket so that said bridging contact carrying member is moved only in response to the snap action movement of said bimetallic member.

2,245,846
REFINING OF FATTY OILS
Arthur U. Ayres, Chestnut Hill, Pa., assignor to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
Application February 28, 1939, Serial No. 258,874
13 Claims. (Cl. 260—425)



9. In the refining of fatty oils, a continuous process comprising, mixing between ½% and 5% of water with the oil to be refined and finely dispersing the added water throughout the body of the oil, thereafter continuously passing the oil containing the added finely dispersed water to a centrifugal rotor, mixing aqueous alkaline solution with the oil in said centrifugal rotor, and separating the soap stock formed by said mixing operation from refined oil by centrifugation in the same centrifugal rotor.

2,245,847
PIPE OR HOSE COUPLING
James F. Bagby, Houston, Tex.
Application June 22, 1939, Serial No. 280,494
5 Claims. (Cl. 285—178)

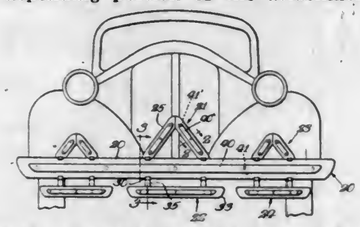


1. A coupling of the character described comprising a pair of connection members, interfitting means to interlock said members against longitudinal movement, sealing means between said members to be compressed when the members are interfitted, and movable means comprising a movable sleeve carried by one member and urged by an interposed spring to engage the other member to lock said members against rotational movement, and an additional means operable when the connection is subjected to internal fluid pressure to lock said movable means when the coupling is under pressure.

2,245,848
PROTECTIVE DEVICE FOR AUTOMOTIVE VEHICLES
Edwin Bagnall, Chicago, Ill.
Application September 23, 1938, Serial No. 231,405
7 Claims. (Cl. 293—55)

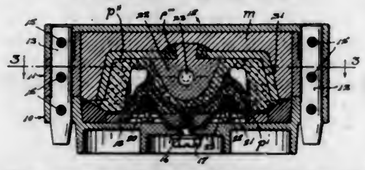
4. An auxiliary attachment for a bumper bar or the like comprising a main portion adapted to project above the bar laterally thereof, a depending portion formed integral with said main portion adapted to be disposed behind and against the bumper bar, said depending portion having its free end threaded, a hook formed in-

tegrally with said main portion projecting laterally of the plane of the attachment and adapted to engage over the upper edge of a bumper bar to which the attachment is applied, a separable hook apertured to receive the threaded end of the depending portion of the attachment and



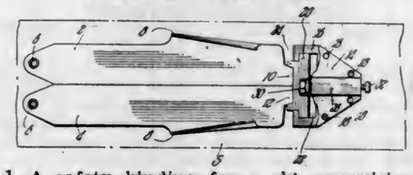
adapted to engage over the lower edge of a bumper bar to which the attachment is applied, and a nut threaded onto said integral depending portion for retaining said last mentioned hook on the depending portion with the bumper bar clamped firmly between it and the first mentioned hook.

2,245,849
PRODUCTION OF THERMOPLASTIC DENTURES
Charles S. Ballard, Seattle, Wash.
Application February 28, 1938, Serial No. 193,052
5 Claims. (Cl. 18—55.1)



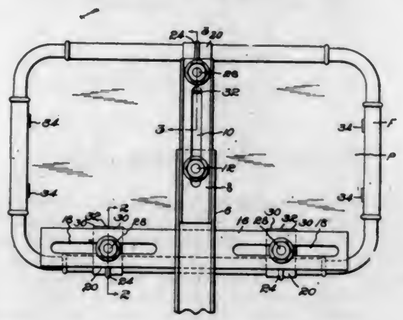
1. The process of forming a mold for the production of a denture of synthetic resin or like thermoplastic material, consisting in providing a mold incasement from a metal relatively high in heat conductivity and of a shape describing only generally the denture to be made, adapting the incasement to the work by lining the cavity of the incasement with a minimum of plaster and while plastic forming the matrix therefrom by compressing the incasement over a wax model of the denture, and allowing the plaster to set and then melting the wax of the model from the matrix by pouring over the incasement a molten metal having a melting point appreciably lower than the metal of the incasement but sufficiently high to prevent deformation under application of a flow heat to a blank of the denture-forming material introduced to the mold.

2,245,850
SAFETY BINDING
Stanley C. Brown and Ernst R. Keller, Springfield, Mass.
Application September 6, 1940, Serial No. 355,648
6 Claims. (Cl. 280—11.35)



1. A safety binding for a ski comprising in combination, separate members having upstanding portions at their forward portions for embracing opposite sides of a shoe and pivoted at their rear ends for free swinging movements between shoe-embracing and non-embracing positions, and releasable locking means for releasably holding said separate members in shoe-embracing positions operable automatically to release said separate members by a spreading tendency thereof, said releasable locking means including a lock member movable back and forth relative to said separate members having parts embracing forward portions of said separate members and spring means urging the lock member rearwardly into locking position.

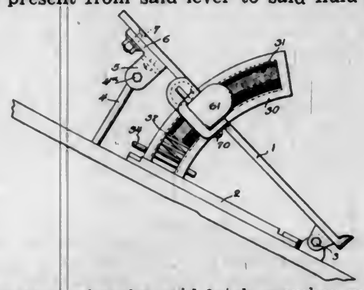
2,245,851
MOUNTING OF LICENSE PLATES
Alphonso S. Campbell, Winchester, Mass., assignor to A. S. Campbell Co., Inc., East Boston, Mass., a corporation of Massachusetts
Application July 15, 1939, Serial No. 284,725
5 Claims. (Cl. 40—125)



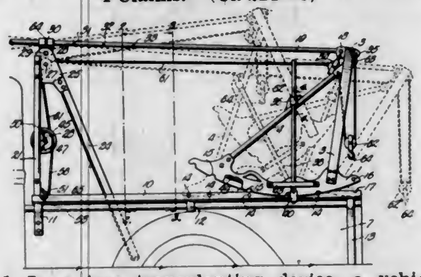
5. In combination with a frame for receiving and supporting the edges of an automobile license plate, a set of hooks having throats receiving and snugly cradling the frame and having stems extending inwardly at the back side, the stems having portions extending forwardly substantially to the plane of the portion of the frame which engages the edges of the plate whereby they will bear on the back of a plate assembled in the frame and means located within the projected outline of the frame for securing the stems of the hooks to a supporting bracket received behind the framed plate, the stems of the hooks also having rearwardly projecting rectangular flanges adapted to cooperate with surfaces of such a bracket to restrain angular movement of the hooks relative to the bracket.

2,245,852
BRAKE CONTROLLED ACCELERATOR
George F. Castle, Baltimore, Md., assignor of one-half to Henry A. Buhman, Baltimore, Md.
Original application October 18, 1937, Serial No. 169,717. Divided and this application July 17, 1939, Serial No. 284,971
13 Claims. (Cl. 192—3)

1. In an automobile the combination of a fluid pressure brake system with an accelerator pedal, said system being operable by means of a lever, said accelerator pedal having a latching member thereon, said member being manually movable to latching position and a fluid pressure means for releasing said member, there being connections present from said lever to said fluid pressure means whereby said latch member may be released upon movement of said lever.

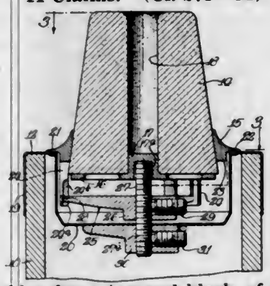


2,245,853
TREE TRANSPLANTING APPARATUS
Jesse G. Eagleson, Rosedale Station, Kans.
Application August 30, 1939, Serial No. 292,666
4 Claims. (Cl. 214—3)



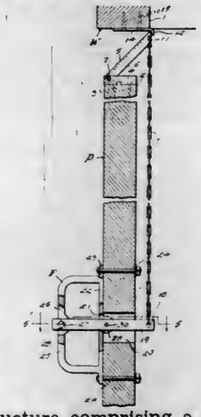
1. In a tree transplanting device, a vehicle having a body, a pair of tracks on said body, a pair of arcuate members carried by said tracks, a bridge member supported by said arcuate members, hoisting means carried by said vehicle including means supported centrally of and by said bridge member, the construction being such that said arcuate members may be rocked on said tracks to move the bridge member to a position projecting from said vehicle body, means for holding said bridge member in said projecting position during the hoisting operation, and separate means for holding said bridge member in inboard position.

2,245,854
CHALK HOLDER
Julius J. Fleischmann, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application September 5, 1940, Serial No. 355,477
11 Claims. (Cl. 273—54)



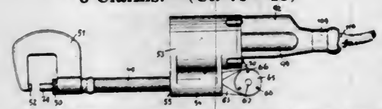
1. A holder for a tapered block of chalk comprising a mounting flange internally tapered to fit the block near its base, a bottom plate engageable with the lower end of the block, a centrally threaded member disposed below the bottom plate, means connecting said member and the flange laterally beyond the block, and a threaded stud extending from said threaded member and bearing against the bottom plate to draw the flange snugly onto the tapered block.

2,245,855
LOCK FOR DOORS OR GATES
Allen H. Fletcher, Bakersfield, Calif.
Application February 24, 1940, Serial No. 320,707
1 Claim. (Cl. 292—223)



A latch structure comprising a frame, means for securing the frame to a supporting member, a latch member, means for mounting the latch member upon said supporting member, said frame including a bar spaced from the supporting member when the frame is applied thereto, said bar being provided therealong with a slot, a rock arm carried by the frame, one end portion of the rock arm extending through the slot in the bar of the frame, the supporting member having an opening through which said rock arm passes to the opposite side of the supporting member, said bar of the frame at opposite sides of the slot therein being provided with recesses, the portion of the rock arm extending through said slot having an opening to align with said recesses to permit the passage through the recesses and the opening of a holding member, and means for connecting the end portion of the rock arm at the side of the supporting member remote from the frame to the latch member, said frame being substantially D-shaped in form and having a second bar for contact with the supporting member, said second bar having an opening through which the rock arm is directed.

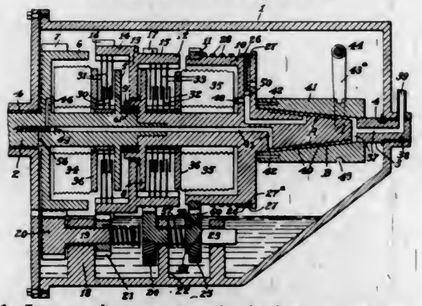
2,245,856
TONGS
Maurus Glas, Schmalkalden-Naherstille, Germany
Application July 16, 1937, Serial No. 154,113
In Germany July 17, 1936
8 Claims. (Cl. 78—48)



1. A punching or riveting tool of the kind re-

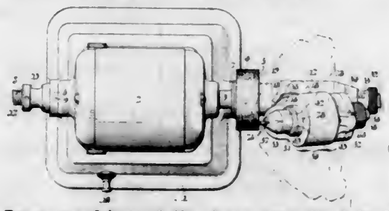
ferred to, comprising a pair of jaws, a tubular member at one end of which the jaws are supported for relative movement, a rod guided within said tubular member and connected to one of said jaws, a housing movably engaged by the other end of said tubular member, means in said housing for actuating the rod to move said jaw relative to the other jaw, and a coupling arranged between said tubular member and said housing and which is dislocatable to permit relative movement of said jaws towards and away from each other independently of the actuation of said rod, said tubular member and actuating means being manipulatable to engage and disengage said coupling and to hold and operate the tool.

2,245,857
CHANGE SPEED DEVICE
Jesse W. Hale, Newton, Mass.
Application April 9, 1937, Serial No. 135,902
8 Claims. (Cl. 74—336.5)



1. In a change speed device, a casing, a drive shaft, a driven shaft and an intermediate member mounted for rotation independently of said shafts, clutches to lock said intermediate member to said drive shaft and to said driven shaft, idler assemblies connecting said intermediate member to said drive shaft and to said driven shafts, each of said assemblies including idler gears supported by said casing, means to actuate said clutches, means to render each of said assemblies inoperative when the corresponding clutch is actuated, and means to lock said driven shaft to said drive shaft to prevent rotation of said driven shaft faster than said drive shaft.

2,245,858
DRILL GRINDING MACHINE
Earl J. Hornberger, Philadelphia, Pa.
Application January 26, 1940, Serial No. 315,711
15 Claims. (Cl. 51—219)



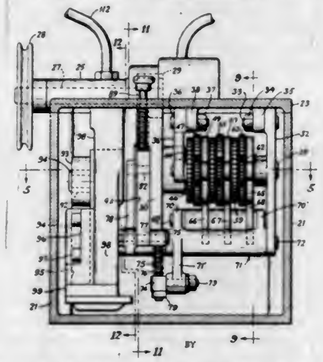
1. In a machine of the type described including a rotary grinder with a stationary base, the combination of a drill-holder including a sleeve with means for adjusting it along an inclined axis; an elbow-support for the drill-holder sleeve, said support having a fulcrum bore with an eccentric-section bushing therein; movable bearer means associated with the stationary base having an axis member engaged in the bushing bore; means for rotating the bushing to determine the relief angle given the drill point; and means for adjusting the movable bearer relative to the stationary base for setting the point of intersection of the elbow-support axis of oscillation with that of the drill holder in respect to the active face of the rotary grinder.

2,245,859
DEVICE FOR CLEANING ELECTRICAL AND ASSOCIATED EQUIPMENT
Frederick Raymond Hunter, Edgewater, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application December 15, 1939, Serial No. 309,488
4 Claims. (Cl. 15—14)



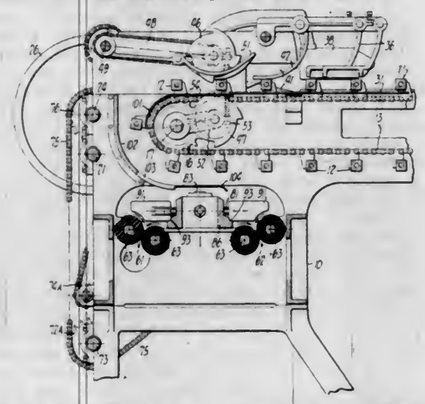
1. A device for dislodging dust from electrical and associated equipment and collecting such dust, including a suction intake member, means for adjusting said intake member in vertical, horizontal and angular directions with respect to an area of the equipment which it is desired to clean, a target carried by the device forming a focal point for said area and toward which dislodged dust is directed, and means for collecting the dust as it is dislodged.

2,245,860
LUBRICATING SYSTEM
Irving A. Hunting, South Plainfield, N. J.
Application October 15, 1938, Serial No. 235,258
9 Claims. (Cl. 184—27)



1. In a lubricating system of the character described, the combination of a lubricant tank, a cover removably secured to the tank, an assembly secured to the cover, said assembly including a lubricant pump, a gear member rotatable within the tank, a shaft passing longitudinally through the axis of said gear and connected to a clutch, said clutch being positioned within the gear member, timing mechanism connected to the gear member to actuate the clutch to couple the shaft and gear member together; and means within the tank to variably control the pressure of the lubricant dispensed by the pump.

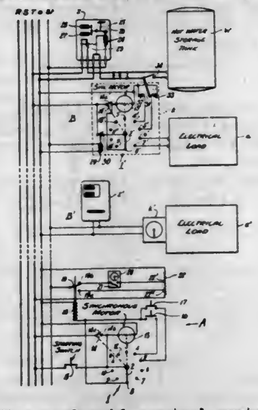
2,245,861
CORN HUSKER
Charles E. Kerr, Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application July 1, 1938, Serial No. 216,947
20 Claims. (Cl. 130—5)



1. In a corn husker, a pair of cooperatively engaged husking rolls disposed transversely to the length of the husker, means for effecting endwise progression of ears of corn along said rolls, driving means for said progression effecting means for effecting successive dwells in the movement thereof, a conveyor for progressing ears of corn longitudinally of the husker with the ears extending transversely thereof, and means for operating said conveyor for delivering said ears to said rolls during the dwells in the movement of said progression effecting means without changing the lengthwise positioning of the ears of corn.

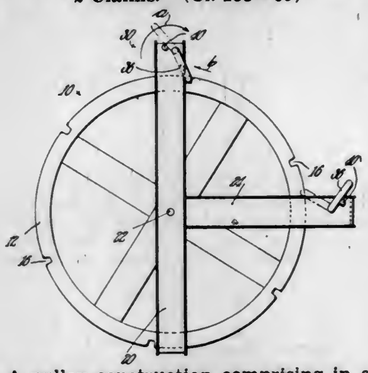
2,245,862
REMOTELY CONTROLLED POWER SYSTEM
Werner Koenig, Lucerne, Switzerland, assignor to Landis & Gyr, A-G., Zug, Switzerland, a corporation of Switzerland
Application March 19, 1940, Serial No. 324,791
In Switzerland March 9, 1939
1 Claim. (Cl. 171—97)

An electric power transmission system, including a control station and a receiving station having a power transferring device and power consuming apparatus adapted to be connected with electric power through said transferring device, a control system current supply means operable to provide a low operating control voltage and a high operating control voltage, a remote control system for said transferring device operable by the lower control voltage comprising controlled transmitting means at the control station for controlling the transmission of the lower control voltage and receiving means at the receiving station for controlling the transferring device by the lower voltage in accordance with the operation of the transmitting means at the control station, and a selective remote control system comprising transmitting means operable at the control station for transmitting the higher



control voltage of said control system current supply means for controlling receiving means at the receiving station operable by the higher control voltage only for selectively connecting power consuming apparatus at the receiving station with the electric power through said power transferring device.

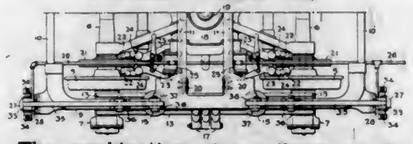
2,245,863
PULLEY CONSTRUCTION
Theodore Labonte, Holyoke, and William Labonte, Chicopee Falls, Mass.
Application April 29, 1940, Serial No. 332,186
2 Claims. (Cl. 188—69)



1. A pulley construction comprising in combination, a frame having spaced side members, a wheel between said side members journalled for rotation relative thereto and having spaced side flanges to provide a circumferential rope-groove therebetween, said flanges being provided with a pair of aligned notches extending inwardly from the peripheries thereof and terminating at a distance from the bottom of said rope-groove, and a lock member pivoted to said frame for swinging movements between locking and non-locking positions and having a transverse part which is engageable in said notches when the lock member is in locking position, said lock and side members being so located that when the

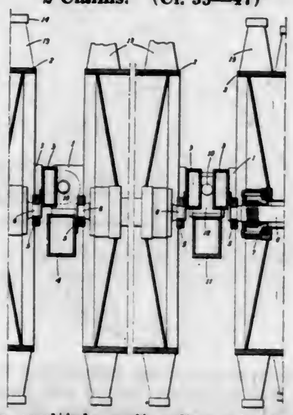
wheel is rotated in a certain direction said transverse part swings into engagement with the sides of said notches and is urged thereby into abutting engagement with the adjacent edges of said side members and cooperates therewith to hold said wheel against rotation in said certain direction and when the wheel is rotated in an opposite direction said transverse part is released from engagement in said notches and with said edges of the side members.

2,245,864
RAILWAY CAR TRUCK
Alton W. Laird, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application August 30, 1940, Serial No. 354,879
8 Claims. (Cl. 188—33)



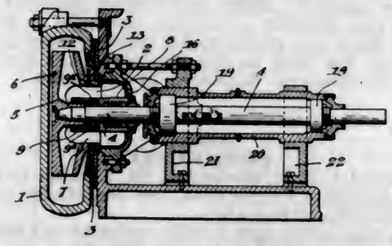
1. The combination of a railway car truck having wheels with journal boxes, a frame and a spring suspension interposed between the frame and journal boxes, and including equalizer bars and equalizer springs; fluid pressure brakes including at least one brake cylinder mounted on the truck; and means distinct from the brakes and operable as an incident to a brake application serving to immobilize said frame as to motion relatively to said journal boxes.

2,245,865
ROLLER
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., a corporation of California
Application December 31, 1938, Serial No. 248,792
2 Claims. (Cl. 55—47)



1. In a multiple unit roller, a pair of roller mounting frames disposed in alined side by side relation, each frame comprising a front beam, a side beam tied to one end of the front beam and another side beam tied to the other end of the front beam on a level above that of the first named side beam, the frames being disposed so that the upper side beam of one frame overlaps the lower side beam of the other frame, and hinge means connecting the front beams for relative swivel movement in a plane lengthwise of said front beam.

2,245,866
CENTRIFUGAL PUMP
Charles Gordon McLachlan, Noranda, Quebec, Canada
Application July 20, 1939, Serial No. 285,620
5 Claims. (Cl. 103—103)



1. A centrifugal pump adapted for the pumping of liquid containing abrasive material such as sand, comprising a fixed pump casing having an inlet opening at one side thereof, an axially adjustable rotary shaft extending through said opening, an impeller having a central hub fixed to said shaft and an inlet opening at one side thereof registering with the opening in the casing, said impeller and said casing having continuous annular walls adapted to be brought into face contact with each other around said openings, a fixed packing gland through which said shaft may be axially moved for the purpose of maintaining contact between said annular walls to prevent eddy currents from the pressure to the suction side of the pump, a fixed sleeve mounted on said gland and extending freely around said shaft and hub, the outer end of said sleeve being substantially at the point of centrifuge, and said sleeve being of greater internal diameter than the external diameter of the hub for a distance inward from said outer end substantially greater than the distance by which the hub extends into the sleeve when the impeller and casing are unworn, to allow for inward movement of the hub relatively to the sleeve upon axial adjustment of the shaft to take up wear at said annular walls.

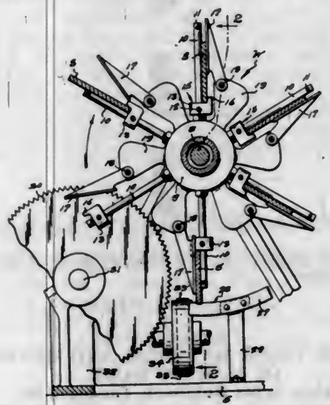
2,245,867
TREATMENT OF PLANTS
Ferdinand P. Mehrlich, Honolulu, Territory of Hawaii, assignor to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, a corporation of Hawaii
No Drawing. Application November 9, 1936, Serial No. 110,018
6 Claims. (Cl. 47—58)

1. The treatment of pineapple and other plants to expedite the formation of buds and the development of fruit thereon which comprises spraying the plants with a material comprising a liquid carrying medium containing bentonite and an unsaturated hydrocarbon selected from the group consisting of acetylene and ethylene.

2,245,868
AUTOMATIC EDGE-TRIMMING MACHINE
Charles J. Melby, Everett, Wash.
Application September 10, 1938, Serial No. 229,306
6 Claims. (Cl. 143—57)

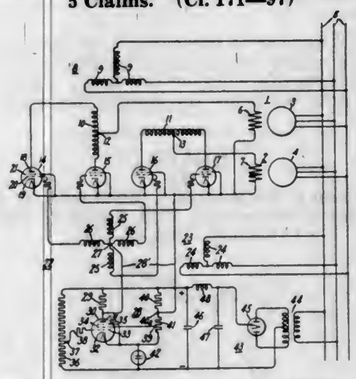
2. In an automatic shingle-trimming machine: the combination of a rotary carrier acting to support the shingles to locate the latter relatively in radial relation to the carrier; a trimming device located in the path which is traveled by a

supported shingle for trimming an edge of the shingle; and means for adjusting the shingle in relation to the carrier into a position whereat the edge is trimmed in the travel of the shingle with the carrier, said adjusting means comprising complementary means one of which is stationary and engages the outer edge of the supported shin-



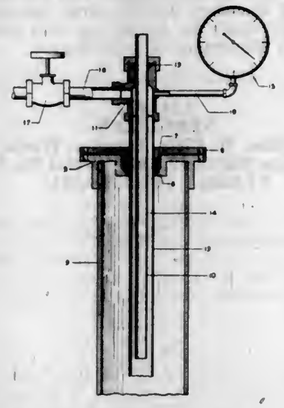
gle and the other of which is carried by the carrier, engages the inner edge of the shingle supported thereon, and is movable radially in relation to the carrier in response to the rotary movement of the latter and at a point in the travel of the carrier whereat the outer edge of the shingle is brought into engagement with the stationary adjusting means.

2,245,869
ELECTRIC VALVE TRANSLATING SYSTEM
Elmo E. Moyer, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Original application September 30, 1938, Serial No. 232,599. Divided and this application December 20, 1939, Serial No. 310,209
5 Claims. (Cl. 171—97)



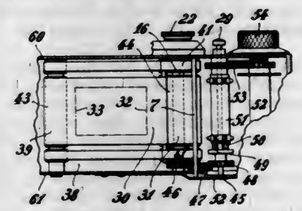
4. In combination, a polyphase alternating current circuit, a plurality of direct current circuits of a number less than a number of phases of said alternating current circuit, transforming means connected to said alternating current circuit for producing a number of circuits less than the number of phases of said alternating current circuit, electric valve means interposed between said last-mentioned circuits and a different one of said direct current circuits, and means operative in accordance with the energization of said direct current circuit and responsive to an operating condition of said last-mentioned means for controlling said electric valve means.

2,245,870
METHOD AND APPARATUS FOR PARAFFIN TREATMENT
Pearl C. Norman, Oklahoma City, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 28, 1939, Serial No. 264,652
5 Claims. (Cl. 166—16)



1. In the method of flowing an oil well to prevent the accumulation of paraffin in flow tubing, the steps comprising placing a flow tubing from the surface of the ground to the oil reservoir, placing a second flow tubing of smaller diameter within the first mentioned flow tubing from the surface of the ground to a depth above the oil reservoir but below that at which paraffin begins to be deposited in objectionable quantities, maintaining gas in the space between the flow tubings, and producing the well from said depth through the inner flow tubing to the surface of the ground.

2,245,871
FOCAL PLANE SHUTTER
Theodor Pauschert, Wetzlar, Germany, assignor, by mesne assignments, to Frank Dumur, Lausanne, Switzerland
Application May 16, 1939, Serial No. 273,828
In Germany June 2, 1938
2 Claims. (Cl. 95—57)



1. In a camera having an exposure area, a shutter comprising two curtains having free edges defining the exposure opening, means for independently releasing said curtains to make an exposure, said curtains moving with accelerated motion when released, means for rewinding said

curtains after an exposure, the adjacent free edges of the curtains overlapping during and after the rewinding operation and mechanism for moving one of said curtains with respect to the other to eliminate said overlapping relation after said curtains have been released whereby the said curtains edges enter the exposure area of said camera at the same speed, said mechanism comprising a curtain shaft rotatable with the movement of the first curtain, a finger movable with the second curtain, a pawl normally out of the path of the movement of said finger, means for moving said pawl, into the path of said finger to prevent the same and the second curtain from moving until the first curtain has moved a predetermined distance and an arm movable with said curtain shaft for removing said pawl from the path of movement of said finger.

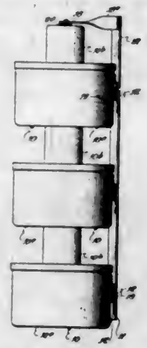
2,245,872
NEBULIZER
Arthur W. Pitts, Tacoma, Wash.
Application March 19, 1940, Serial No. 324,866
1 Claim. (Cl. 128—194)



In combination with a nebulizer comprising an elongated cylindrical flask closed at one end and a laterally disposed discharge nozzle adjacent to the closed end thereof, a filter within the closed end portion of the flask, said filter being of a configuration to snugly fit within the flask and extend from a point below the nozzle on an incline in a direction away from the nozzle to intersect the bore of the flask, the upper portion of the filter constituting a plurality of substantially parallel elongated teeth with adjacent teeth in close proximity.

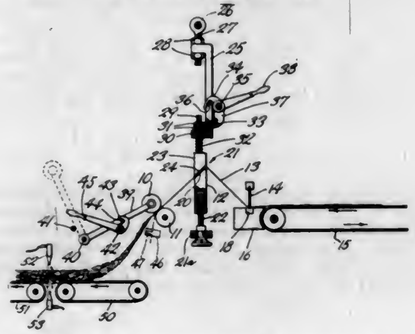
2,245,873
MOUNTING MEANS FOR FLARES
Oliver C. Ritz-Woller, Chicago, Ill.
Application July 19, 1939, Serial No. 285,280
6 Claims. (Cl. 211—4)

2. In an arrangement for supporting on a vehicle in vertically stacked relation a plurality of road flares each having on its side one of a two-element slip connection, the combination of a mounting member having the other element of each of said slip connections for engaging the elements carried by the respective flares and thereby limiting downward movement of the flares with respect to the mounting member, the elements on the mounting member being spaced so that the bottom of one flare will rest on the top of the adjacent flare below, and releasable means carried by said mounting member and adapted to bear with spring pressure on the uppermost flare and hold the stacked flares tightly at said respective connections against upward



movement relative to the mounting member and to each other.

2,245,874
CURLED FIBER MATERIAL AND METHOD OF MAKING SAME
Walter Scott Robinson, Chicago, Ill.
Application May 4, 1939, Serial No. 271,676
12 Claims. (Cl. 19—66)



1. The method of imparting a permanent curl to fibers which comprises differentially stretching the opposite sides of the fibers beyond the elastic limit but below the point of fracture.

2,245,875
TOY
Norman F. Rutherford, Central Islip, N. Y.
Application December 4, 1939, Serial No. 307,512
11 Claims. (Cl. 46—16)

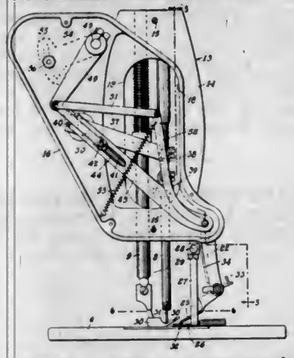


1. A toy comprising, in combination: a plurality of blocks connected in series by double acting hinges; the end blocks of the series connected with each other also by double acting hinges to provide a closed system.

2,245,876
MALLEABLE IRON PROCESS
Harry A. Schwartz, Cleveland Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application February 15, 1940, Serial No. 319,105
6 Claims. (Cl. 148—3)

1. A process for improving the physical properties and for shortening the annealing time of malleable iron which comprises melting the iron in a fuel fired furnace and maintaining the hydrogen in the melted iron under about 0.0005 percent by controlling the moisture content of the air blast used to support combustion of the fuel.

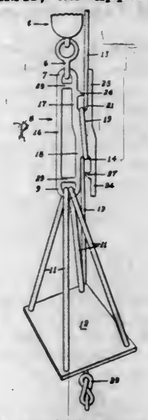
2,245,877
RUFFLING ATTACHMENT FOR SEWING MACHINES
Victor J. Sigoda, Brooklyn, N. Y., assignor to Man-Sew Pinking Attachment Corp., New York, N. Y., a corporation of New York
Application December 23, 1939, Serial No. 310,844
14 Claims. (Cl. 112—134)



1. In combination with a sewing machine having a vertically vibrating needle bar and feed mechanism, an oscillatably supported material ruffling blade, an actuating lever for said blade, an arm pivotally mounted at one end, means operatively connecting the other end of said arm with the needle bar, and means operatively connecting the pivoted end of said arm with said lever to actuate the ruffling blade in one direction in the up stroke of the needle bar and deliver a formed ruffle to the feed mechanism for movement thereby to position for penetration by the needle in the down stroke thereof, said latter means including a rod having a fixed connection with the pivoted end of said arm and extending longitudinally of said lever at the end of the down stroke of the needle, and a member adjustable along said rod and slidably connected with said lever and means for retaining said member in adjusted relation to the pivoted end of said arm to variably regulate the oscillating motion of the ruffling blade.

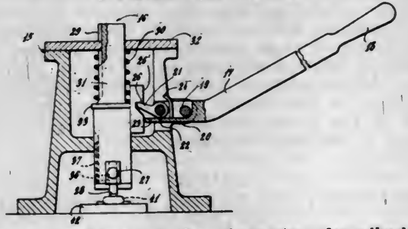
2,245,878
SAFETY LINK
Ed L. Sorensen, Albany, Calif.
Application July 5, 1939, Serial No. 282,842
2 Claims. (Cl. 304—32)

1. A safety link, comprising a substantially rigid planar body member, an aperture formed therethrough arranged to receive a tackle, a second aperture formed therethrough arranged to receive connecting means from an object to be supported, a snubbing member extending laterally from an edge and in the median plane of said body member, an upper engaging surface



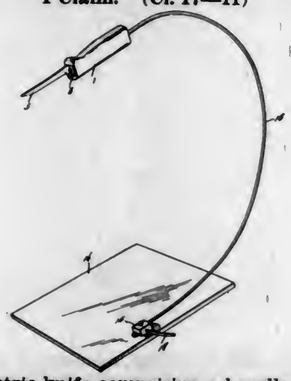
formed on said snubbing member, a lower engaging surface formed on said snubbing member and offset laterally from said upper engaging surface, and an arm formed on said snubbing member adjacent each of said engaging surfaces.

2,245,879
MONOGRAM ENGRAVING MACHINE
Theodore T. Sossner, New York, N. Y.
Application January 20, 1940, Serial No. 314,782
1 Claim. (Cl. 101—3)



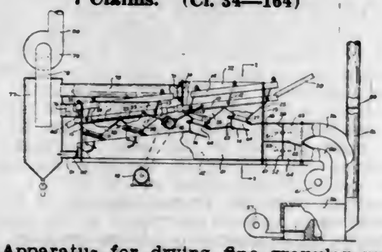
In a machine of the character described, a frame, a plunger moveably mounted on the frame, having a tooth thereon; said tooth having a substantially horizontal edge and a substantially vertical edge; said plunger being adapted to carry a marking tool thereon, a lever pivotally mounted nearer one of its ends onto the frame, a pawl pivotally mounted on the shorter portion of the lever, adapted to engage the horizontal edge of said tooth, whereby upon lowering the longer portion of the lever, the plunger is raised; a stop element on the lever adapted to limit the downward swing of the pawl, a spring in contact with the frame adapted to become stressed upon upward movement of the plunger, said pawl being adapted to become released from the tooth upon the lowering of the longer portion of the lever a predetermined distance, whereby the plunger is forced downward by action of the stressed spring, and upon raising the longer portion of the lever a predetermined amount, said pawl being adapted to be swung upwardly with respect to the stop element by the vertical edge of the tooth, during the interval said pawl comes in contact with said vertical edge, and then to fall by action of gravity onto said stop element, whereby said pawl is returned in position to engage the horizontal edge of said tooth.

2,245,880
FOWL KNIFE
Leonard J. Tipton, Henry M. Yagge, and James A. Bowman, Neosho, Mo.; said Tipton assignor of one-sixth to said Yagge and one-sixth to said Bowman
Application November 3, 1939, Serial No. 302,770
1 Claim. (Cl. 17—11)



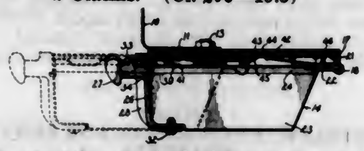
An electric knife comprising a handle having a bore extending longitudinally therein from one end thereof, said handle having a counterbore communicating with the first mentioned bore and extending inwardly from the opposite end of the handle, a metallic socket disposed in the counterbore and having a threaded bore in the inner end thereof, a knife blade provided with a shank disposed into the first mentioned bore and provided with threads for threaded engagement with the threaded bore of the socket, an electric conductor extending into and connected to the socket, and a head on the knife blade from which the shank extends, said head being adapted for abutting relation with one end of the handle, the first mentioned bore and counterbore defining a shoulder in the handle against which the inner end of the socket abuts, said blade and shank being of conductive material.

2,245,881
APPARATUS FOR DRYING FINE GRANULAR MATERIALS
Gustave Andre Vissac, Calgary, Alberta, Canada
Application July 17, 1939, Serial No. 284,977
7 Claims. (Cl. 34—164)



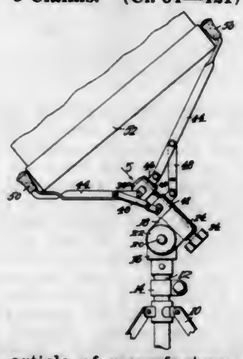
1. Apparatus for drying fine granular material, comprising a screen for receiving and agitating the material, means for shaking the screen in a longitudinal direction, means for directing a flow of hot gases upwardly through the material to raise the latter above the screen, means for making the gases directed through the screen adjacent its discharge end cooler than those directed therethrough at its forward end, and means for periodically interrupting the flow of gases during movement of the screen towards its discharge end to permit the material to rest thereon during each interruption, whereby the material is subjected to periods of drying and to periods of movement towards the discharge end of the screen.

2,245,882
ASH RECEPTACLE
John Visser, Grand Rapids, Mich., assignor, by mesne assignments, to Reconstruction Finance Corporation, Detroit, Mich., a corporation of the United States
Application July 1, 1939, Serial No. 282,432
2 Claims. (Cl. 206—19.5)



1. In an ash receptacle having a front wall member covered by a face member and having a rear wall member, a retainer engaging spring having the rear end thereof extending through an aperture in said rear wall member and having the front end thereof extending over the top out of said front wall member and down between said front wall member and said face member, the extreme end of said downwardly projecting portion of said front end of said spring being formed to provide a horizontally extending lip engaging a shoulder on one of said members for preventing upward movement of said front end of said spring.

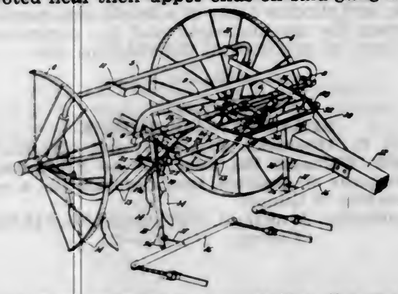
2,245,883
STAND FOR DRUM AND THE LIKE
Bernard E. Walberg, Worcester, Mass.
Application May 9, 1940, Serial No. 334,187
8 Claims. (Cl. 84—421)



1. As an article of manufacture, a stand for drums or the like, comprising a substantially hollow supporting element, a member slidable in said element and having an end extending therefrom, a plurality of clamping arms pivoted to the extending end of said member, and a link connecting each arm and said element, whereby movement of said member in one direction causes said arms to approach each other to grasp the periphery of a drum or the like.

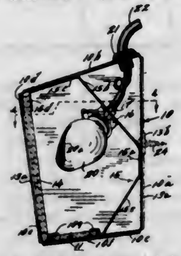
2,245,884
CULTIVATOR
Benjamin B. Weaver, Mount Hope, Ohio
Application March 7, 1939, Serial No. 260,349
6 Claims. (Cl. 97—149)

1. In a cultivator including laterally spaced longitudinally extending gang beams carrying cultivator shovels and having upwardly directed front ends, a laterally extending bar connecting the front ends of said gang beams, an evener bar located in front of and supported on said laterally extending bar, upright draft levers pivoted near their upper ends on said gang beam



front ends, link means connecting the upright ends of said draft levers with the ends of said evener bar, and hitch connections at the lower ends of said draft levers.

2,245,885
LIGHTING DEVICE
Walter W. Webster, Minneapolis, Minn., assignor to Door Glow Lite Company, Minneapolis, Minn., a corporation of Minnesota
Application March 20, 1939, Serial No. 262,904
3 Claims. (Cl. 40—132)

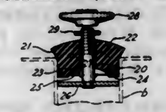


1. A lighting device comprising a casing having top and bottom and rear walls and top and bottom flanges extending downwardly and upwardly respectively from the forward edges of said top and bottom walls, said casing having an opening extending longitudinally of said bottom side adjacent the front thereof, guide members for slidably receiving a light transmitting plate disposed over said opening, a reflector in said casing having a flange adjacent said top flange, a transparent character-plate slidable between said top flange and said flange on said reflector and also disposed in the rear of said bottom flange, an illuminating means in said casing and characters on one side of and alined with said second mentioned plate in such manner that they are illuminated by said illuminating means and are visible from the front of said device.

2,245,886
METHOD OF DRILLING WELLS USING MUD AND ACID
James W. Weir, Los Angeles, and Henry S. Montgomery, South Pasadena, Calif., assignors of thirty per cent to Harold C. Miller and ten per cent to Gerald B. Shea, both of Oakland, Calif., and twenty per cent to Alfred W. Knight, South Pasadena, Calif.
No Drawing. Application July 11, 1938,
Serial No. 218,626
3 Claims. (Cl. 255—1)

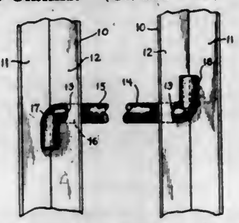
1. The method which comprises: introducing into a drill hole during the drilling thereof a mud fluid comprising a mixture of water and mud-forming solids consisting at least partly of clay, said mud fluid also containing an alkali metal carbonate dissolved in the water; forming a mud coating within said drill hole containing deposited solids from said mud fluid and also containing said alkali metal carbonate; subsequently introducing into the drill hole, and into contact with said mud coating, an acid which will react with said carbonate to evolve carbon dioxide gas, to cause dislodgement of solids from said coating due to evolution of carbon dioxide gas by reaction of said acid with the alkali metal carbonate in said mud coating; and removing from the drill hole solids so dislodged.

2,245,887
STOPPER FOR LAUNDRY TUBS, WASH-BASINS, AND OTHER RECEPTACLES
Gustavus A. Wikander, Portland, Oreg.
Application May 14, 1940, Serial No. 335,082
5 Claims. (Cl. 4—295)



1. In a stopper of the character described, a body composed of resilient expansible material, said body having top and bottom faces, said top face being convex, a concentric cavity located in the bottom face, a central channel extending from said cavity through said body to the top face, a bottom disc and a top disc bearing against bottom and top faces of said body respectively the perimeter of said bottom disc being larger than the perimeter of said bottom cavity, and adjustable screw means extending through said central channel so arranged as to be capable of forcing said discs towards each other, whereby to produce radial expansion of said body.

2,245,888
LADDER CONSTRUCTION
Lawrence S. Wilbur, Chicago, Ill., assignor to Carter Blatchford, Incorporated, Chicago, Ill., a corporation of Illinois
Application October 23, 1939, Serial No. 300,779
10 Claims. (Cl. 228—49)

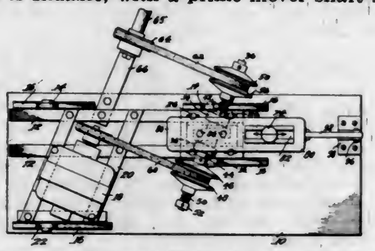


2. A ladder comprising stiles and a plurality of detachable rungs, each stile having diverging flanges and positioned with its flanges extending at an angle to the plane of the ladder, one of the flanges of each stile being formed with a hole therein, said rungs having hole engaging portions and oppositely bent end portions abutting the stile flanges in the V formed thereby.

2,245,889
VARIABLE SPEED TRANSMISSION
John E. Windle, North Grafton, Mass.
Application July 6, 1939, Serial No. 282,995
15 Claims. (Cl. 74—230.17)

1. In a variable speed transmission, the com-

bination of a shaft having a variable diameter pulley thereon, and a support on which said shaft is slidable, with a prime mover shaft slid-



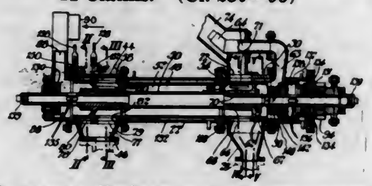
ably mounted in operative relation to and from said first-mentioned shaft, and means connecting said support and said prime mover shaft to relatively move them.

2,245,890

AIR COMPRESSOR

Johann J. Wydler, Westfield, N. J., assignor, by mesne assignments, to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

Application February 15, 1940, Serial No. 318,985
11 Claims. (Cl. 230—95)



1. In a gas displacement air compressor, an elongated tubular housing, individual pressure gas inlet and waste gas discharge ports at spaced points in said housing adjacent one end thereof, individual atmospheric air inlet and compressed air discharge ports at spaced points in said housing adjacent its other end, a valve unit mounted coaxially with said housing for relative rotation with respect thereto and having tubular side walls positioned and dimensioned to form a close journal fit with the ported sections of the housing, and ports in the valve unit rotatably aligned respectively with the housing gas inlet and discharge ports and with the housing air inlet and discharge ports, said valve ports being so disposed as to communicably connect the housing gas inlet and air discharge ports at one period of the compressor cycle, and to communicably connect the housing gas discharge and air intake ports at a later period of the cycle.

2,245,891

FREE-OPENING SIDE STITCHED BOOK AND METHOD OF MAKING SAME

Raymond E. Ackley, Chicago, Ill.

Application November 19, 1938, Serial No. 241,381
6 Claims. (Cl. 281—21)



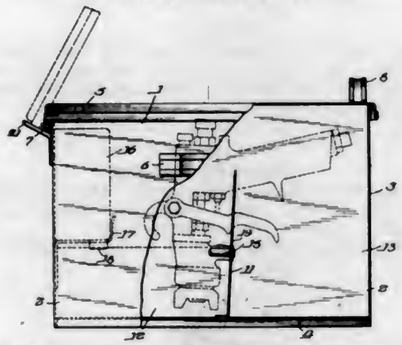
1. In a free-opening side stitched book composed of leaves, stitches placed on a line parallel to and adjacent the back margin of said book, and means comprising a nested formation of said leaves on the stitching line to cause the effective thickness of said book on said stitching line to be greater than the thickness of the body of said book, said stitches being of a length intermediate between the uncompressed and the compressed thickness of said book at the stitching line.

2,245,892

SPRAY GUN CONTAINER

David P. Anschicks, Riverside, and Charles R. Peck, Chicago, Ill., assignors to Protectoseal Company of America, Inc., Chicago, Ill., a corporation of Illinois

Application January 3, 1939, Serial No. 248,958
4 Claims. (Cl. 91—63)



1. In a container of the kind described comprising side and end walls, bottom and self-closing cover, a partition member positioned in said container to form a fluid receiving compartment, a fluid reservoir positioned in said container and having an inverted port spaced from the bottom thereof and communicating with said compartment, and means on said partition member for supporting a spray gun or the like with the nozzle thereof positioned in said compartment.

2,245,893

HAND KNITTING NEEDLE

Harold S. Armitage, Los Angeles, Calif.

Application March 4, 1940, Serial No. 322,089
3 Claims. (Cl. 66—117)



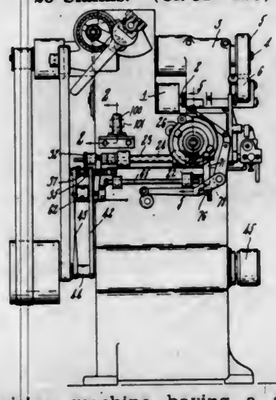
1. A knitting needle consisting of a single, substantially straight shaft having conical pointed extremities, one end portion of said shaft being of a greater diameter than the opposite end portion thereof, said diametrically enlarged shaft portion being of a substantially uniform cross-section for a considerable portion of the length of the needle to support upon itself loops of the material being knitted.

2,245,894

SIZE CONTROLLING MECHANISM

Merton H. Arms, Springfield, Vt., assignor to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont

Application February 10, 1939, Serial No. 255,604
28 Claims. (Cl. 51—165)



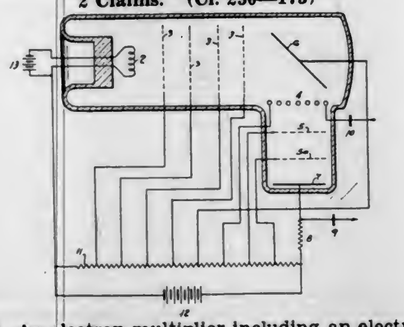
1. A sizing machine having a sizing gage, means responsive to work size when tested by said gage, means producing a standard sizing response, means for supporting work, means for supporting a tool for operation on work on said work supporting means, means for relatively moving said supports to determine the completed size of work subjected to the tooling operation, and means controlled by differences in response of said two responsive means actuating said moving means in a manner to minimize such differences.

2,245,895

ELECTRON MULTIPLIER

Fritz Below, Klein-Machnow, near Berlin, Germany, assignor to Fernseh Aktiengesellschaft, Berlin-Zehlendorf, Germany

Application February 4, 1939, Serial No. 254,561
In Germany January 29, 1938
2 Claims. (Cl. 250—175)



1. An electron multiplier including an electron source, a plurality of successive grid-like secondary-emitting electrodes in alignment therewith, a solid imperforate secondary-emissive member positioned at an oblique angle to said electrodes, a second electrode system comprising a control grid, a plurality of secondary-emitting electrodes and an electron-collecting member, said control grid being positioned substantially at an angle to the last of said grid-like electrodes.

2,245,896

PICTURE PROJECTION SCREEN AND METHOD OF MAKING THE SAME

Bernard M. Bodde, Hollywood, Calif.

Application February 12, 1938, Serial No. 190,250
5 Claims. (Cl. 88—24)



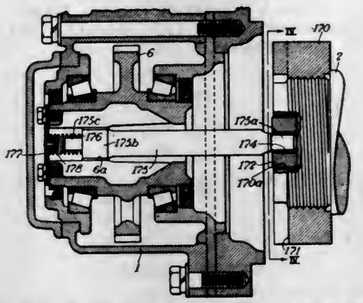
1. The steps in the process of making a picture projection screen having an array of apertures therein for the transmission of sound waves which comprises spraying a solution of a transparent plastic in a volatile solvent on a matrix having said array of apertures in a body portion thereby coating said body portion and the surface surrounding said matrix apertures to form a screen body portion having integral therewith a tube in each of said apertures, allowing the sprayed material to set and stripping from said matrix the apertured sheet thus produced.

2,245,897

DRIVE MECHANISM FOR AXLE DRIVEN SPEED RESPONSIVE DEVICES FOR RAILWAY TRAINS

Herbert L. Bone and John W. Livingston, Forest Hills, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

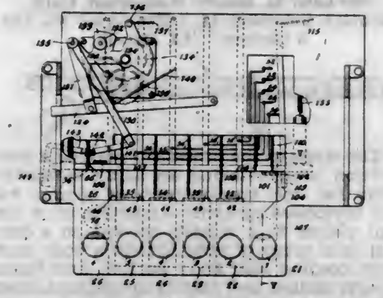
Application December 27, 1939, Serial No. 311,214, which is a division of Serial No. 205,276, April 30, 1938. Divided and this application September 7, 1940, Serial No. 355,782
4 Claims. (Cl. 74—12)



1. In combination with a vehicle axle having a nut screwed onto one end of the axle and having a lock key secured to the end of the axle and cooperating with the nut to lock it in an adjusted position, a rotatable member journaled on the vehicle adjacent one end of said axle in axial alignment with the axle, a drive shaft disposed coaxially with said member and said axle and having one end operatively connected with said key within an opening formed therein by means which permits a limited amount of axial misalignment between said shaft and said axle and having the other end extending into an opening formed in said member and operatively connected therewith by means which permits a limited amount of axial misalignment between

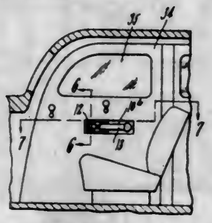
said shaft and said axle and a limited amount of longitudinal movement of said shaft relative to said member.

2,245,898
COIN OPERATED VENDING MACHINE
Ardon A. Bradt, Niagara Falls, N. Y.
Application December 16, 1938, Serial No. 246,055
5 Claims. (Cl. 312—47)



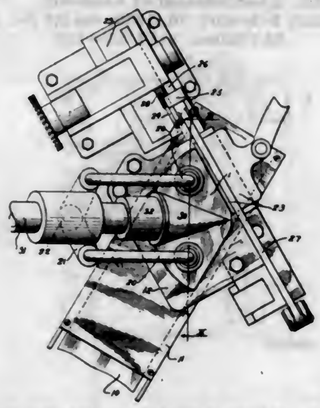
1. In a vending machine, the combination comprising a plurality of token magazines and means for withdrawing and dispensing one token only from one only of said magazines at each operation of the machine comprising a bottom closure member for each of said magazines, and selective releasing means for said closure members comprising means operating upon said closure members to urge them open, a detent for each of said closure members restraining said opening means from opening said closure members, and automatically operated means for moving one only of said detents out of its restraining position at each operation of the machine.

2,245,899
GUARD ARM FOR PROTECTION OF PASSENGERS IN MOTOR VEHICLES
John A. Campbell, Quincy, Mass.
Application July 12, 1939, Serial No. 284,014
4 Claims. (Cl. 280—150)



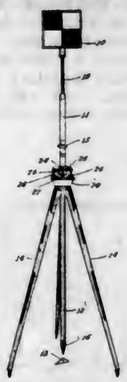
1. A barrier device for the protection of the occupant of a seat in an automobile comprising a mounting structure adapted to be secured in such automobile adjacent to such seat, an arm pivoted to said mounting structure to swing in a substantially horizontal plane from a position adjacent to the side of the automobile in rear of the pivot axis to a position across and in front of such seat, and means for preventing forward swinging movement of the arm from the position last named; the arm being constructed of tubes, one fitted slidingly within another, a rod extending lengthwise within one of said tubes and secured to one end thereof and extending into the overlapping end of the next adjacent tube, said adjacent tube having a plug through which the rod extends and the rod having a head overlapping the rim of the orifice through said plug to prevent separation of the tubes one from the other.

2,245,900
METHOD OF MAKING PAPER CUPS
Herman Carew, Easton, Pa., assignor to Dixie-Vortex Company, Chicago, Ill., a corporation of Delaware
Application August 12, 1938, Serial No. 224,480
13 Claims. (Cl. 93—36.1)



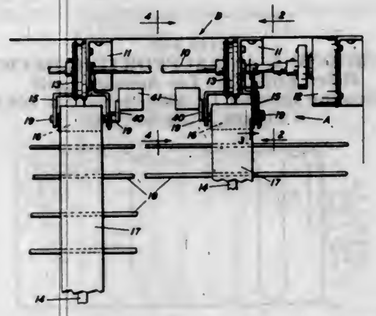
1. The method of making a conical paper cup, including applying adhesive to a marginal portion of a blank of stock, shaping the blank into conical form with overlapped marginal portions held by said adhesive, forcibly nesting the shaped blank in a previously formed cup held under compression to tighten the apex and holding it there until the adhesive has set, and then adjusting the newly formed cup and the previously formed cup until they are in free loosely nested relationship.

2,245,901
MOUNTING FOR SURVEYOR'S TARGETS
Harold Chaskin, New York, N. Y.
Application September 26, 1939, Serial No. 296,561
1 Claim. (Cl. 248—178)



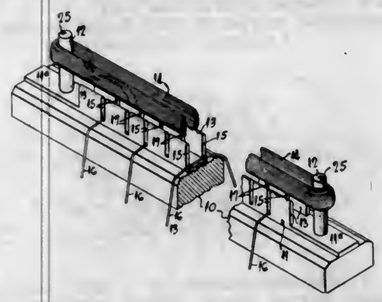
The combination with a tripod having a head, of a surveyor's target, a rod on which the target is carried, a support carried by said head for said rod, an alined rigid axial projection of said rod having a pointed end extending below said support to adjacent the ground for cooperation with a marker on the ground, said head having a perforation therein through which said rod projection passes, and means located between said head and support for adjusting said rod, projection, and target into vertical position above said marker.

2,245,902
VENETIAN BLIND TILTING MECHANISM
Harold J. Cohn, Los Angeles, Calif., assignor to Automatik Venetian Hardware Corporation, a corporation of California
Application October 28, 1940, Serial No. 363,149
11 Claims. (Cl. 156—17)



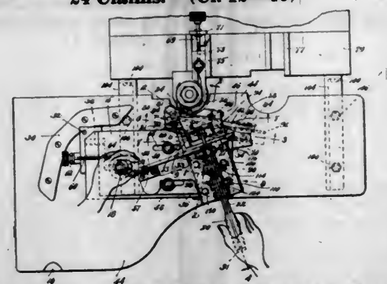
1. A cordless tilting mechanism of the class described, which includes: a clevis; a rocker pivotally mounted in said clevis, and provided with a ratchet plate; a pawl pivotally mounted above said ratchet and adapted to engage the teeth thereof; and a counterweight adapted to urge said rocker and said ratchet in one direction.

2,245,903
APPARATUS FOR MAKING POMPONS
Ralph R. Cone, New York, N. Y., assignor to Lily Mills Company, Shelby, N. C., a corporation of North Carolina
Application November 16, 1940, Serial No. 365,895
8 Claims. (Cl. 28—2)



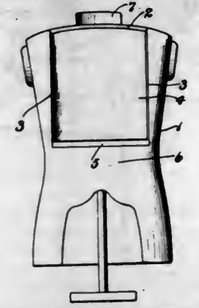
1. Apparatus for forming tufts, pompons and the like, comprising a horizontal U-shaped trough member adapted to receive the intermediate portion of a skein of tufting material, a pair of spaced upstanding pins alined with the longitudinal axis of the trough, and adapted to support the ends of the skein to hold the same in distended position, said trough having a plurality of pairs of spaced transverse slots in the sidewalls for receiving the intermediate portions of tie strings whereby the skein can be tied at a plurality of spaced points while in the trough.

2,245,904
METHOD OF AND MACHINE FOR MAKING WEDGE HEELS
George Roland Constantine, Malden, Mass., assignor to The Service Wood Heel Co., Lawrence, Mass., a corporation of Massachusetts
Application March 12, 1940, Serial No. 323,565
24 Claims. (Cl. 12—46)



1. A method of making a wedge heel from a heel block the back and the sides of which have previously been formed that comprises forming the attaching portion of the heel block to substantially the shape of the heel-attaching arch and shank portions of a shoe to which the heel is to be attached, with the shank portion extending to the tread face of the heel block.

2,245,905
DISPLAY FORM
Lawson L. Davidson, Grand Rapids, Mich.
Application July 24, 1939, Serial No. 286,203
2 Claims. (Cl. 223—68)

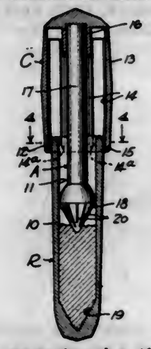


1. A dress form comprising, a hollow form simulating the upper portion of the human body, a recess at the front of said form extending from the upper end thereof downwardly for a distance, supporting means within said recess and spaced rearwardly from the front of said form said form at the lower end of the recess having a horizontal slot therethrough to the interior hollow space of said body, the slot being substantially the same width as said recess and said recess having a width whereby a folded shirt may be received between the sides of the recess, with the lower portion of said shirt extending downwardly through said slot.

2,245,906
COSMETIC DEVICE
Thorpe W. Deakers and Lloyd A. Schmucker, Los Angeles, Calif.
Application July 21, 1939, Serial No. 285,710
3 Claims. (Cl. 132—79)

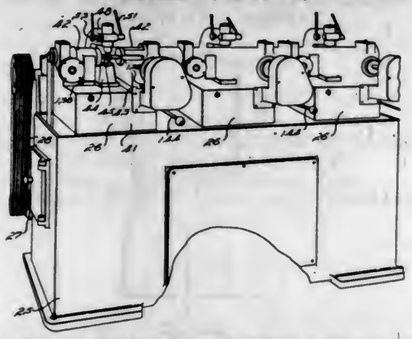
1. A device of the class described comprising a

receptacle; a closure telescopically receiving the receptacle and carrying an applicator insertible into the receptacle for transferring a portion of the latter's contents to the applicator; and means interrupting the circumferential contact of the receptacle and closure at intervals to reduce to a



minimum the smearing by the closure on the outer peripheral surface of the receptacle, any of the contents of the latter which is transferred to the mouth of the receptacle from the applicator, by contact of the latter with the receptacle mouth.

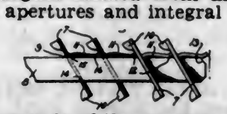
2,245,907
CUTTING MACHINE
Joseph C. Drader, Detroit, Mich.
Application April 9, 1934, Serial No. 719,646
6 Claims. (Cl. 90—4)



1. A machine for cutting worm elements provided with a work spindle for driving a worm element, two tools disposed in spaced relation about the element and having cutting edges narrower than full mating width, means for moving said tools radially toward the element during the machining operation to cut a gap therein to proper depth, and means for thereafter side feeding the cutting edges of the tools so that said edges cut on respectively opposite sides of the gap to widen the gap.

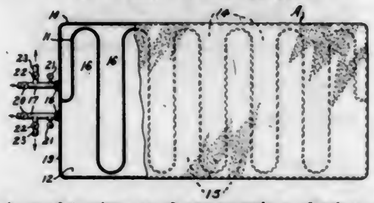
2,245,908
GRILLE CORE
George Forrest Drake, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application October 25, 1937, Serial No. 170,752
5 Claims. (Cl. 189—82)

1. A grille core comprising a series of parallel sheet metal fins each having a narrow rectangular aperture punched therein with the longer dimension of the aperture extending transversely of the fin, a connecting bar of a thickness substantially equal to the width of said apertures extending through the alined apertures of said fins, and tongues formed from metal punched out of said apertures and integral with the fins



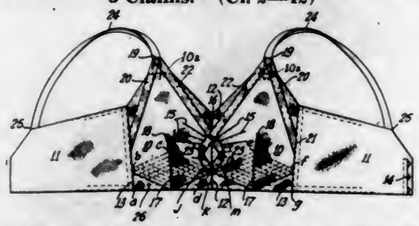
at the narrow ends of the apertures, each of said tongues being of a width equal to that of the associated aperture and extending along a narrow edge of said bar and abutting at its free end against the adjacent fin.

2,245,909
CUSHIONING AND SUPPORTING DEVICE
Helen Enfiajian, Los Angeles, Calif.
Application October 19, 1937, Serial No. 169,868
4 Claims. (Cl. 5—348)



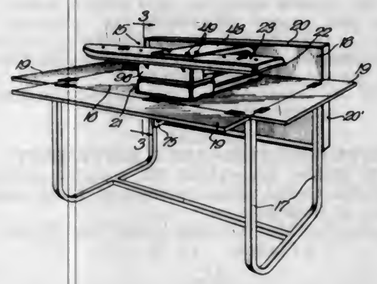
1. A cushioning and supporting device comprising means defining an enclosure upon which a person can lie, a sinuous partition in said enclosure extending continuously back and forth across said enclosure from side to side and from end to end to provide a plurality of alternate chambers disposed transversely of said enclosure, means adapted to supply fluid to alternate chambers, and means adapted to supply fluid to the remaining chambers.

2,245,910
BRASSIÈRE
Abraham L. Finkelstein, New York, N. Y., assignor to Snug-Fit Foundations Inc., New York, N. Y., a corporation of New York
Application August 15, 1939, Serial No. 290,183
3 Claims. (Cl. 2—42)



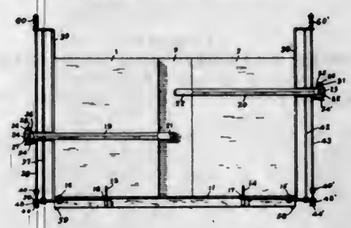
1. A brassière comprising a body encircling member having breast contour-defining breast pockets and vertical seams at the outer edges of said breast pockets, shoulder straps connected to said body encircling element at a point above said breast pockets, a reinforcing strip having a strain taking portion extending downwardly from said point through a point midway between the breasts to a point on the opposite side of the vertical center line and below said midway point and said strain taking portion there terminating, said strip being connected to the body encircling element from the top of the shoulder to the termination of said strain taking portion of said strip, whereby each breast pocket is supported diagonally upwardly toward the shoulder strap on the opposite side by said strip and whereby the breast tissue is maintained in form by said pocket and is held upwardly and forwardly thereby and is held distinct from the adjacent breast by the strain taking portion of said reinforcing strip.

2,245,911
IRONING MACHINE
Harold L. Frick, Chicago, Ill., assignor to H. L. F. Appliance Corporation, Chicago, Ill., a corporation of Illinois
Application April 23, 1936, Serial No. 75,914
14 Claims. (Cl. 38—26)



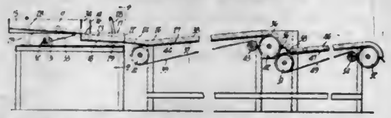
13. An ironing machine comprising, a shoe member, a buck member, means for supporting the members in superposed relation for ironing cooperation, and means for moving the lower of the members at high frequency through a cyclic path, which path consists sequentially in movement toward the upper member to compress the work thereagainst, horizontal forward movement while the work is compressed for shifting the work a short distance across the shoe in one direction, downward movement away from the upper member to relieve the compression and, while relieved, horizontal backward movement shifting the lower member in the opposite direction to return it, said downward movement and said back shifting being at such speed as not substantially to back shift the work.

2,245,912
COPYHOLDER
Theodore Gensmer, Portland, Oreg.
Application September 26, 1938, Serial No. 231,722
7 Claims. (Cl. 120—34)



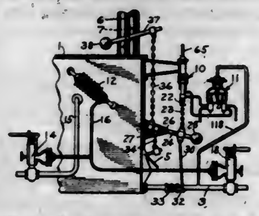
3. In a copy holder having means to propel a line marker thereover, a line marker formed with a flexible extremity and pivotal and slidable joints securing the same to the propelling means therefor.

2,245,913
HALVED FRUIT INSPECTION AND SORTING MACHINE
William C. Gridley and Edward T. Magnus, Oakland, Calif., assignors, by direct and mesne assignments, of one-half to said Gridley and one-half to P. M. Ball & Company, Oakland, Calif., a corporation of Nevada
Application June 20, 1939, Serial No. 280,104
11 Claims. (Cl. 198—33)



1. A halved fruit inspection and sorting machine comprising, a pair of elongated inspection tables each including a belt conveyer for carrying the fruit lengthwise of said tables for inspection of the exposed side of the fruit, means for delivering halved fruit in a common position of the cut face thereof to the conveyer on one of said tables, and means mounted to receive fruit from said last mentioned conveyer and operative to invert the halved fruit and deliver the fruit in inverted position to the conveyer on said other table.

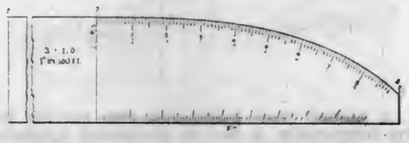
2,245,914
STEAM BOILER REGULATOR
James W. Harrie, Oakland, Calif., assignor to Westinghouse Pacific Coast Brake Company, Emeryville, Calif., a corporation of California
Application August 25, 1939, Serial No. 291,908
1 Claim. (Cl. 236—21)



An auxiliary fuel pressure responsive regulator device adapted for association with an automatic fire and draft controller of the type actuated on an increase in fluid pressure to establish a low fire condition in a furnace, said regulator device comprising a casing having a bracket portion, a spring, a diaphragm mounted within said casing and subject to the opposing pressures of said spring and of fluid fuel supplied to the furnace, a frame member having a flange portion clamped to said casing and a flat portion spaced therefrom, a first valve assembly mounted on said flat portion including a supply valve controlling the supply of fluid under pressure to said fluid pressure actuated fire and draft controller, a second valve assembly mounted on said flat portion in spaced parallel relation with respect to said first assembly and including a release valve controlling the discharge of fluid from said controller, a yoke element operative by said diaphragm and disposed in said frame member with the ends thereof in alignment with the respective valve assemblies, means cooperating with said ends of the yoke element for controlling said release and discharge valves in accordance with movement of said diaphragm, and a latch member pivotally connected to said yoke element intermediate the ends thereof, said latch member being arranged for interlocking

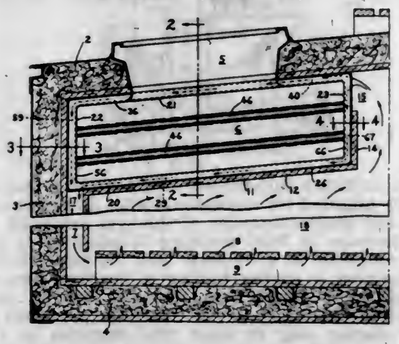
engagement with said flat portion of the frame member upon predetermined movement of the associated operating elements.

2,245,915
SPIRAL TEMPLATE
Thomas R. Hartrampf, McMinnville, Oreg.
Application July 8, 1939, Serial No. 283,413
6 Claims. (Cl. 33—1)



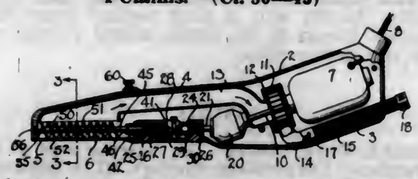
3. An instrument for plotting points in a curve comprising, a flat transparent body formed with an edge consisting of a straight segment and a curved segment in tangential relationship with the former, said edge being graduated in linear divisions denoting curvatures in terms of central angles with markings disposed perpendicularly to the said edge, wherein the said divisions represent radial values of magnitudes denoted by characteristic constants, and the same are produced to an opposite edge of said body in radial alignment.

2,245,916
REFRIGERATOR CAR
Arthur A. Helwig, Chicago, Ill., assignor, by mesne assignments, to Standard Railway Refrigerator Company, a corporation of Delaware
Application August 21, 1939, Serial No. 291,109
1 Claim. (Cl. 62—17)



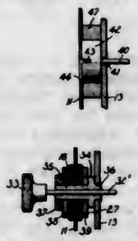
In a refrigerator car having a lading compartment, a roof, a wall and a flue adjacent said wall leading from the upper to the lower part of the car, a pair of refrigerant containers each disposed adjacent said wall and near said roof, the adjacent walls of said containers being formed with substantially horizontal outwardly projecting corrugations, the corrugations of one of the containers being in contact with the corrugations of the other container and the part of the walls between said corrugations being spaced apart to form a plurality of ducts communicating at the outer ends thereof with the upper part of said flue, said car being arranged to provide air communication between the upper part of the lading compartment and the inner ends of said ducts, whereby air flows from the lading compartment through said ducts and, upon being cooled, flows downwardly through said flue to the lower part of the car.

2,245,917
VACUUM SHAVER
John I. Hill, Houston, Tex.
Application January 25, 1938, Serial No. 186,785
4 Claims. (Cl. 30—43)



1. A vacuum shaver comprising a housing, a motor therein, a suction fan, a shaver device, means connecting said fan and device to said motor so that a suction is applied to the surface while the shaver operates, and clutch means to release said shaver while said fan continues to operate so that the suction produced by the fan effects cleaning action upon the surface over which the shaver is passed.

2,245,918
MOUNTING FOR CLOCK MOVEMENT
John W. Hobbs, Springfield, Ill., assignor to John W. Hobbs Corporation, Springfield, Ill., a corporation of Delaware
Application May 31, 1939, Serial No. 276,506
4 Claims. (Cl. 58—23)



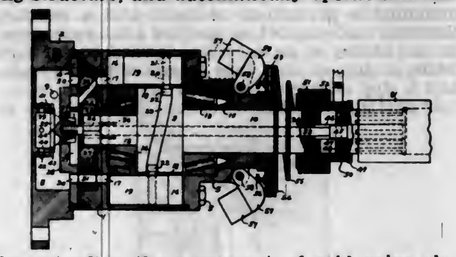
1. In a clock, a casing, a frame structure within the casing for supporting the clock movement, and means for supporting said frame from the casing including a tubular stud carried by the frame and extending to the exterior of the casing, a shaft extending through and rotatably supported in said stud, and a resilient member insulatingly supporting said stud in the casing.

3. In a clock, a frame structure, a casing having a wall with an opening therein, a member rotatably supported on the frame and having a head portion accessible through said opening, and a gasket surrounding said head portion having sealing engagement with the adjacent casing wall.

2,245,919
POWER TRANSMISSION MECHANISM
Marcus A. Holpfer, Pittsburgh, Pa.
Application February 11, 1941, Serial No. 378,371
2 Claims. (Cl. 192—59)

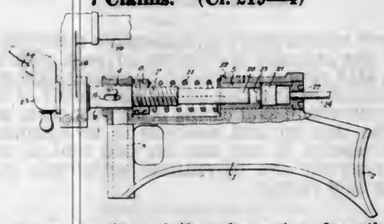
1. In a power-transmission mechanism, the combination of a housing structure, a shaft revolubly mounted in said housing structure, fluid controlled means including a plurality of plungers actuated by the rotation of said housing structure for imparting rotation to said shaft, a valve element mounted in said housing structure and being automatically operable for controlling the revolving speed of said shaft with respect to the revolving speed of said housing structure, a spring for regulating the operation of said valve element, means for securing said valve

element in the inoperative position in said housing structure, and automatically operable means



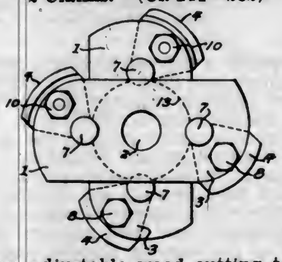
for retarding the movement of said valve element to the operative position.

2,245,920
WELDING APPARATUS
Albert D. Jardine and Harry V. Beronius, Detroit, Mich.
Application September 5, 1939, Serial No. 293,412
7 Claims. (Cl. 219—4)



1. In apparatus of the character described, a portable body having means for applying pressure thereon, a push rod slidable in said body, spring biasing means yieldably opposing relative movement between said push rod and body, an electrode mounted on said push rod, a switch mounted directly on said body and actuated by relative movement between said push rod and body and stop means for said push rod.

2,245,921
ADJUSTABLE WOOD CUTTING TOOL
John H. Jewett, Detroit, Mich.
Application August 16, 1939, Serial No. 290,337
2 Claims. (Cl. 144—232)



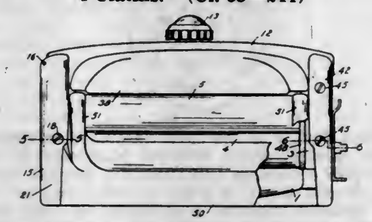
1. In an adjustable wood cutting tool, a pair of cutting units disposed transversely of each other, each unit consisting of a plate having arcuate end edges, studs extending through end portions of said plate concentric with the arcuate end edges thereof and projecting from opposite side faces of the plate, said plate being also formed with arcuate slots located between the studs and the arcuate end edges of the plate and concentric thereto, a spacing disc between central portions of the plates having its peripheral edge formed with circumferentially spaced arcuate recesses receiving side portions of the protruding inner ends of said studs to maintain the plates in predetermined crossed relation to each other, cutters having arcuate blades projecting beyond the outer edges of the plates and flat shanks in contacting engagement with the side faces of the plates, said shanks having arcuate recesses at their inner ends receiving the side portions of the protruding ends of said studs to mount the cutters for pivotal adjustment, and bolts passing through the shanks of the cutters and the arcuate slots of the plates to limit pivotal adjustment of the cutters and releasably secure the cutters in adjusted positions with respect to said shanks.

2,245,922
HORIZONTAL HONING MACHINE
Albert M. Johnson, Rockford, Ill., assignor to Barnes Drill Co., Rockford, Ill., a corporation of Illinois
Application June 16, 1939, Serial No. 279,403
15 Claims. (Cl. 51—34)



1. In a horizontal honing machine, in combination, an elongated base, a guideway extending longitudinally of the base, a head mounted for reciprocation on said guideway, said head having a spindle journaled therein, an elongated tool driver projecting forwardly from the spindle generally parallel to the reciprocatory path of the head, a support for the driver mounted on the base intermediate the ends of the guideway for movement in a substantially vertical plane, pressure fluid operated means for raising and lowering said support, and a valve operated by the head in its reciprocation on the guideway for controlling said pressure fluid operated means.

2,245,923
WRINGER
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application March 17, 1937, Serial No. 131,336
4 Claims. (Cl. 68—244)

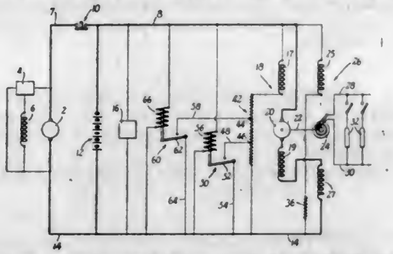


1. In a wringer, the combination of a frame comprising a base and side stiles; rolls mounted in the stiles; pressure devices for the rolls; and build-up housings for the front and rear faces of the stiles changing their proportion in size to the wringer, said build-up housings including a water board between them.

2,245,924
ELECTRICAL SYSTEM
John J. Kennedy, New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc., a corporation of Delaware
Application June 12, 1940, Serial No. 340,031
3 Claims. (Cl. 171—123)

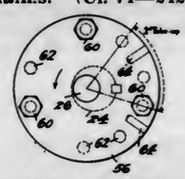
1. In an electrical system for supplying alter-

nating current of substantially constant frequency and voltage to a load wherein power is derived from a direct current source the voltage of which may vary over a wide range, the combination of, a direct current motor armature connected to carry current which varies with the load and with changes in the voltage source, a motor field winding connected to receive current from said source and to produce magnetic flux linking said armature, a current control mechanism including a resistance unit in series with said motor field winding and means to short out



a portion of said resistance unit dependent upon and responsive to a predetermined increase in the voltage of said source, an alternator armature mechanically connected to said motor armature and having its output terminals connected to deliver alternating current to the load, a main alternator field winding connected to receive current from said source and thereby produce a magnetic flux for said alternator armature, and an auxiliary alternator field winding connected in series with said motor armature to cooperate with said main alternator field winding in producing flux for said alternator armature.

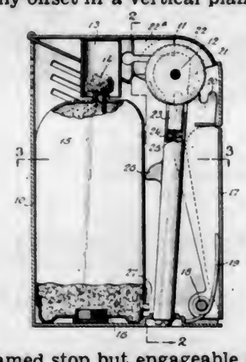
2,245,925
CHAIN DRIVE AND TAKE-UP THEREFOR
Hermann Klaucke, Worcester, Mass., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 12, 1939, Serial No. 299,184
5 Claims. (Cl. 74—242.16)



1. In a device of the class described, a support having parallel walls, a shaft journaled in said walls upon eccentric end studs for lateral movement of said shaft, a plate at each end of said shaft secured thereto, a plurality of bolt holes in each plate, a plurality of apertures in said side walls to receive bolts whereby said plates may be secured to said walls in various angular positions, said apertures being unequally spaced in such a manner as to ensure that said shaft will be laterally moved in equal steps by change in said angular positions.

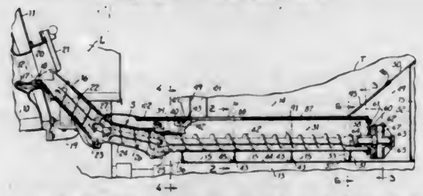
2,245,926
PYROPHORIC LIGHTER
Julius Kohn, New York, N. Y.
Application December 22, 1939, Serial No. 310,519
1 Claim. (Cl. 67—7.1)

In a pyrophoric lighter, an invertible casing having side walls, a reservoir having a wick and gravitationally slidable within said casing and also having lateral movement therein relative to said side walls, an igniting means for said wick including a pyrophoric element and a support therefor, said support comprising a tube arranged in said casing so as to incline toward one of said walls, a stop on said tube intermediate its ends, and a stop adjacent the lower end of said reservoir partially offset in a vertical plane relative to



the first named stop but engageable therewith to limit the outward movement of said reservoir when said casing is inverted to project said wick beyond the casing, the lateral movement of said reservoir within said casing being such as to permit the stop on said reservoir to be completely offset relative to the stop on said tube so that said reservoir can be entirely withdrawn from within said casing.

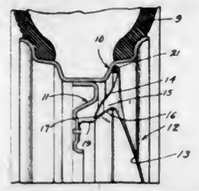
2,245,927
LOCOMOTIVE STOKER
William L. Lentz, Tuckahoe, N. Y., and Eugene Martin, Erie, Pa., assignors to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application November 17, 1938, Serial No. 240,944
8 Claims. (Cl. 105—234)



3. In a tender, a fuel bin having a floor and a rear slope sheet, said floor having a longitudinally elongated centrally disposed opening and said rear slope sheet having an opening in its lower portion forming a continuation of the opening in said floor, a stoker trough arranged to receive fuel from said bin, said trough extending rearward of said floor beneath the opening in said rear slope sheet and having laterally projecting flanges overlapping said floor adjacent the marginal sides of the opening therein, and a movable cover for the opening in said rear slope sheet providing access when open to the rear of said trough.

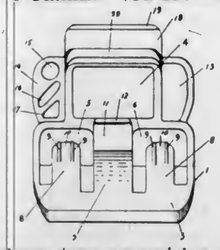
2,245,928
WHEEL DISK STRUCTURE
George Albert Lyon, Allenhurst, N. J.
Original application January 15, 1936, Serial No. 59,276. Divided and this application December 21, 1939, Serial No. 310,335
4 Claims. (Cl. 301—37)

1. As an article of manufacture, a circular wheel covering member made of sheet metal having a central bulged portion, an outer marginal portion, and an intermediate grooved portion connecting said bulged and marginal portions with the groove of said grooved portion being of substantially V-shaped cross section and separat-



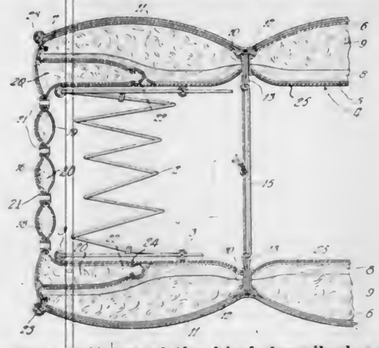
ing said bulged and marginal portions, said grooved portion defining a rearwardly obliquely inclined flange for retaining snap-on cooperation with a wheel, and said flange extending rearwardly axially and radially inwardly so that its rearmost extremity is disposed directly behind said bulged portion.

2,245,929
MANICURE TRAY
Thomas M. Mangold, Cincinnati, Ohio
Application March 30, 1940, Serial No. 327,052
3 Claims. (Cl. 132—73)



1. A manicure tray comprising a base, a basin in said base and an arm rest on said base to the rear of and higher than said basin, and a ledge on the front of said basin below the rim thereof to form a hand rest on the front exterior of the basin.

2,245,930
MATTRESS
Max Marsack, Milwaukee, Wis., assignor to Marsack Patents Corporation, Milwaukee, Wis., a corporation of Delaware
Application July 21, 1938, Serial No. 220,448
3 Claims. (Cl. 5—351)



1. In a mattress of the kind described, an inner spring construction consisting of a plurality of connected vertical coils, an enclosing fabric cover including top, bottom, and edge portions, unitary pre-built top and bottom pads positioned between said cover and spring construction, each pad consisting of inner and outer fabric sheets and an interposed layer of filling material, each pad having a plurality of apertures therein arranged in rows, a plurality of strips of flexible material respectively extending along said rows of apertures and fastened to said cover, said strips each carrying a plurality of loops respectively projecting through the apertures comprising a row, and a plurality of ties connecting oppositely disposed loops to maintain said cover in taut close fitting contact with the pads.

2,245,931
GRATE
John B. Meyer, Dubuque, Iowa, assignor to The Adams Company, Dubuque, Iowa, a corporation of Iowa
Application August 19, 1939, Serial No. 290,963
5 Claims. (Cl. 98—106)

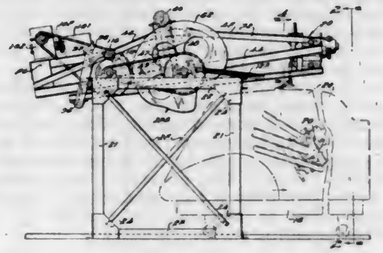


1. A ventilating device comprising a metal grate member adapted to be seated in the wall of the building structure to cover a ventilation opening, consisting of an integrally cast crosshatching surrounded by a series of peripheral elements integrally cast therewith, a wire screen of smaller components, overspreading the rear surface of said crosshatching and at least partially overlapping the rear faces of said peripheral elements, and a multiplicity of sheet metal tabs integrally cast with said peripheral elements and rising beyond the rear faces thereof, respectively, at junctures surronding said screen member, said tabs being bendable to press marginal areas of said screen member against said grate member for securing the screen member in place and for replacement thereof.

2,245,932
PAINT SPRAYING MACHINE
William G. Miller, Detroit, Mich., assignor to The R. C. Mahon Company, Detroit, Mich., a corporation of Michigan
Application January 10, 1938, Serial No. 184,148
11 Claims. (Cl. 91—45)

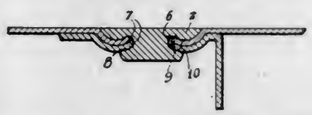
1. A paint spray machine comprising a supporting framework, a superstructure mounted on horizontal pivots on said supporting structure and having a free end swingable in a vertical plane, a paint spray nozzle mounted on the free swinging end of said superstructure and means

for swinging said superstructure on its pivotal mounting for maintaining said spray nozzle a



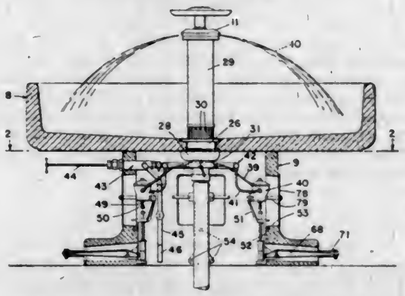
predetermined distance from an object to be painted.

2,245,933
RIVET
Norman B. Moore, Los Angeles, Calif.
Application August 26, 1940, Serial No. 354,151
1 Claim. (Cl. 85—37)



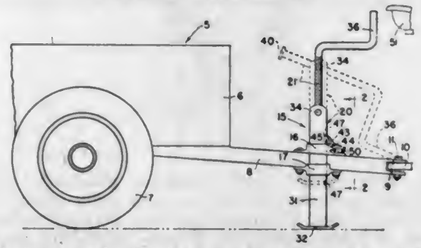
A flush rivet for sheet metal comprising: a shank, a head on one end of said shank, said head having a flat upper surface, the upper and lower surfaces of the head merging into an edge at the periphery of the head, the under surface of the head being convex in radial cross section between the peripheral edge and the shank, and being substantially thinner closely adjacent the shank than at points radially intermediate the shank and said peripheral edge.

2,245,934
WATER SUPPLY CONTROL FOR WASH FOUNTAINS
Howard A. Mullett, Milwaukee, Wis., assignor to Bradley Washfountain Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 19, 1938, Serial No. 235,737
11 Claims. (Cl. 4—191)



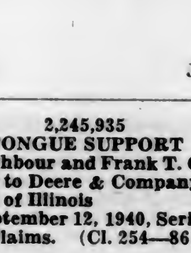
1. In a wash fountain, the combination of a wash basin, spraying means positioned above the basin for delivering streams of washing liquid to different areas of the basin, a support for said basin, valves mounted below the basin for controlling the supply of water to said spraying means, and an articulated control comprising a foot controlled ring sector for each of said valves.

2,245,935
TONGUE SUPPORT
Leonard B. Neighbour and Frank T. Court, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 12, 1940, Serial No. 356,466
8 Claims. (Cl. 254—86)



1. In a vehicle, the combination of a draft member, a leg member supported on the draft member for vertical movement relative thereto between ground engaging and transport positions, and elevating means carried by one of said members and engageable with the other member to raise and lower the leg, said elevating means being movable out of engagement with said other member to allow the leg to be raised quickly to transport position.

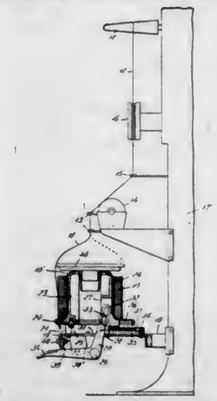
2,245,936
WHIPPING TOP AND STARTER
Gus Nicholas, San Francisco, Calif.
Application April 22, 1940, Serial No. 330,928
1 Claim. (Cl. 46—69)



In a whipping top and starter device, the combination of a top comprising a cylindrical body portion pointed at its lower end and equipped with an axially disposed bearing cavity at its upper end, said body portion also provided with an annular ratch surface at its upper end surrounding said cavity and adapted to receive a latching pin, an upwardly extending projection on the upper end of said body portion located between said cavity and said ratch surface, a starter device comprising a solid member having a centrally located opening extending therethrough, a torsion spring disposed in and extending axially through said opening, one end of said torsion spring secured to said member and an extension formed on the other end thereof for engagement with said projection, said member being provided with a second opening extending through the member adjacent the first mentioned opening, a latch pin yieldingly mounted in said second opening and adapted to cooperate with the ratch surface for retaining said spring in wound condition when the member is rotated with respect to said body portion, a spindle extending axially through and slidably supported solely by said torsion spring, an enlargement on the lower end of said spindle that limits its upward movement with respect to

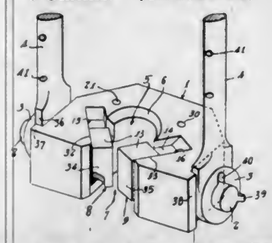
said spring and also engages in the bearing cavity to provide a bearing about which the body portion will be initially rotated when the spring is released, a pressure receiving head formed on the upper end of the spindle for sliding the spindle in the spring to displace the body portion from the member, and an annular upstanding collar on the member coacting with the spindle head to guide the sliding movement of the spindle with respect to the spring in a straight path.

2,245,937
UNWINDING THREAD
James Burrel Parker, Rome, Ga., assignor to Tubize Chatillon Corporation, a corporation of Delaware
Application June 28, 1940, Serial No. 342,845
6 Claims. (Cl. 242—129)



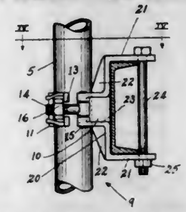
1. A support for a yarn package comprising a base, a two-part arbor adapted to be surrounded by and to tightly grip a yarn package, one part of said arbor being secured to said base and the other part of the arbor being arranged to slide on the base into contact with and away from the part of the arbor secured to the base, and tension means normally biasing the sliding part of the arbor to its operative position most remote from the other part of the arbor.

2,245,938
SUCKER ROD ELEVATOR
James P. Ratigan, Los Angeles, Calif.
Application November 20, 1936, Serial No. 111,876
6 Claims. (Cl. 294—90)



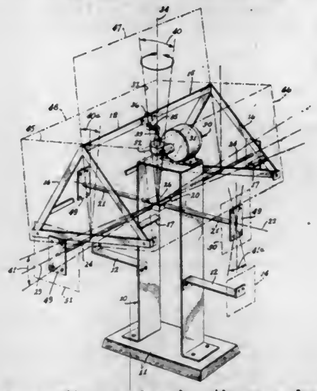
1. In an elevator of the character described, a body having a rod receiving slot and an upwardly facing rod seat at the end of the slot, a pair of latch members projecting into said slot and movable apart and laterally of the slot by engagement with a rod to pass the rod into said end of the slot when the elevator is in substantially its normal vertical axial position, and upwardly facing rod supporting seats on said latch members opposite said body seat.

2,245,939
TUBULAR SCAFFOLD
Morgan B. Schiller, Sewickley Heights, Pa., assignor to American Tubular Elevator Company, a corporation of Pennsylvania
Application January 15, 1940, Serial No. 313,834
2 Claims. (Cl. 304—40)



1. In a scaffold including a pair of horizontally spaced-apart vertical legs, a horizontally extending beam, and means for securing said beam to said legs, with the beam extended laterally from the scaffold structure to provide a cantilever support for a workmen's platform; the invention herein described in which said means comprise a pair of clamping devices applied one to each of said legs, each of said clamping devices including a saddle member extending circumferentially of the scaffold leg to which the device is applied, a girth member engaging said saddle member and clamping it to the leg to which it is applied, an U-shaped stirrup member integrated at the base of the U to said saddle member, said base of the U extending above and below the plane of said saddle member in a direction normal to such plane, the legs of the U extending horizontally from the base of the U at points spaced severally at an interval above and at an interval below the plane of said saddle member and adapted to engage said beam in an embrace effective and secure against cantilever stresses imposed upon the beam.

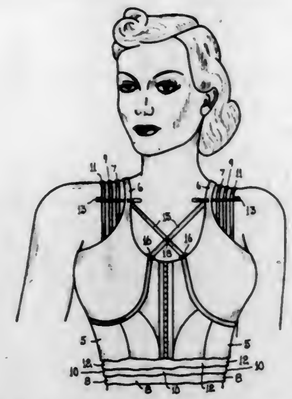
2,245,940
ANIMATING MECHANISM FOR SIGNS
Richard U. Seares, Pasadena, Calif.
Application March 11, 1939, Serial No. 261,248
7 Claims. (Cl. 40—139)



1. A supporting and animating mechanism for signs comprising a stationary support; a frame adapted to carry one or more signs; mounting means for mounting the frame on the support for

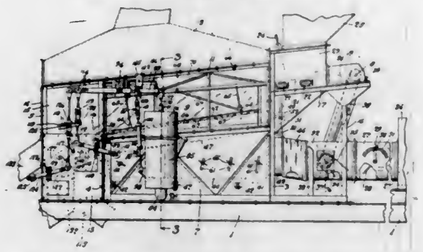
oscillation of the frame about two angularly disposed axes; and drive means for moving the frame including a crank and a pin on said crank revolving about a stationary axis substantially perpendicular to both said axes of oscillation of the frame.

2,245,941
NONSLIP SHOULDER STRAP ATTACHMENT
May E. Stone, Omaha, Nebr.
Application November 20, 1939, Serial No. 305,263
2 Claims. (Cl. 241—12)



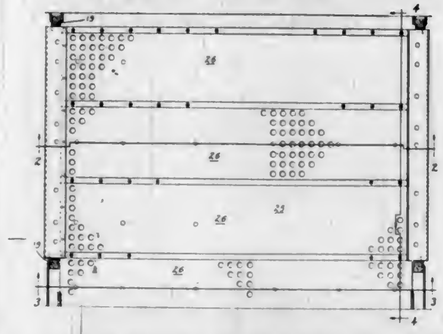
1. In a garment, the combination with a plurality of garment-supporting shoulder straps, a pair of spacing-pins of elongated loop-form each detachably secured to a shoulder strap and provided with non-communicating stalls at intervals for receiving other garment-supporting straps, and a pair of control-straps disposed in crossed relation each being secured at its lower end to the garment and secured at its upper end to a spacing-pin.

2,245,942
APPARATUS FOR SEPARATING MATERIAL
Earl Stump, Harvey, Ill., assignor to Roberts and Schaefer Company, Chicago, Ill., a corporation of Illinois
Application June 29, 1934, Serial No. 733,053
Renewed October 20, 1938
27 Claims. (Cl. 209—475)



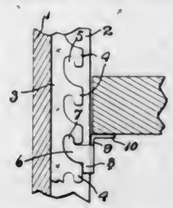
1. A material classifying device comprising a pervious fixed inclined floor, means for feeding a relatively deep stream of material to be classified downwardly therealong, a resistance bed beneath the floor, means for discharging a pulsating current of air upwardly through the resistance bed and the stream of material, a plurality of chutes having horizontal cutting edges opposed to the flow of material, means for manually adjusting the height of each chute with respect to the discharge end of the floor, gates associated with said chutes remote from the floor, and means automatically responsive to variations in the pressure beneath the resistance bed for controlling the position of said gates.

2,245,943
FLOOR PROTECTION FOR RAILWAY CARS
William J. Tangerman, Hammond, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application August 10, 1940, Serial No. 352,046
7 Claims. (Cl. 105—422)



1. In a railway car having a wood floor, a protecting covering for said floor comprising a pair of metallic sheets arranged with their adjacent marginal portions overlapping, a relatively shallow groove in said wood floor, said marginal portions being depressed below the general level of said sheets and disposed in said groove, a member overlying said marginal portions and having its upper surface substantially flush with the general level of said sheets, and means arranged to secure said member to said wood floor.

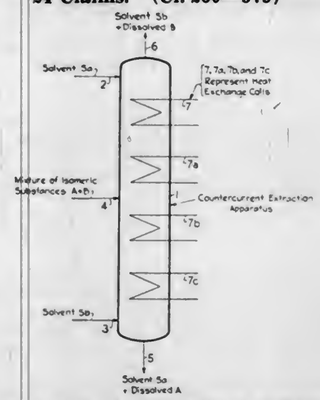
2,245,944
SHELF SUPPORT
Anthony Vanderveld, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application July 31, 1940, Serial No. 348,752
3 Claims. (Cl. 248—243)



1. In a construction of the class described, a vertical supporting member having a vertical slot cut therein from one side of the member, said slot having a depth greatly in excess of its width, a flat metal member located within said slot with one vertical edge thereof facing outwardly and the other inwardly, a plurality of spaced apart downwardly extending hooks on

the outer edge of said metal member, and means on the inner edge of the metal member to secure it to said supporting member.

2,245,945
EXTRACTION OF MIXTURES OF ISOMERIC ORGANIC COMPOUNDS
Willem Johannes Dominicus van Dijck, The Hague, and Albert Schaafsma, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 24, 1939, Serial No. 264,034
In the Netherlands March 30, 1938
24 Claims. (Cl. 260—575)

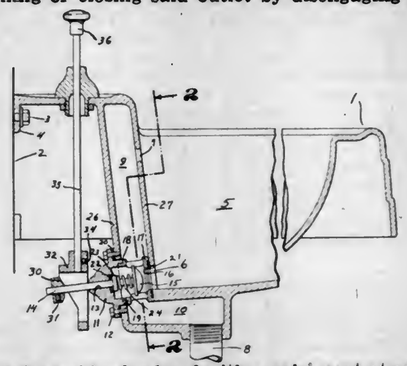


1. A process for fractionating a mixture containing essentially isomeric organic compounds wherein the isomerism is due to a difference in the position of at least one polar group in the molecule, comprising the steps of extracting said mixture simultaneously with two solvents for said isomers, which solvents under the conditions of the process and in the presence of the mixture are substantially inert, differ in polarity and are at least partially immiscible with each other, thereby forming two separate phases in which said isomers are distributed in different proportions, and separating said phases.

24. The process for fractionating a mixture containing essentially ortho ethoxyaniline and para ethoxyaniline, comprising the steps of extracting said mixture simultaneously with a hydrocarbon solvent and an aliphatic alcohol solvent, which solvents under the conditions of the process and in the presence of each other, are at least partially immiscible with each other and are adapted to form two liquid phases, thereby forming two separate phases in which said isomers are distributed in different proportions, and separating said phases.

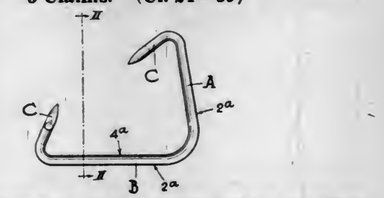
2,245,946
WASTE SYSTEM
Edward A. Vermere, Los Angeles, Calif.
Application June 21, 1939, Serial No. 280,223
9 Claims. (Cl. 4—203)

1. A liquid receptacle having, in combination a waste outlet, a waste channel connecting said waste outlet to a waste line and having a valve head within said channel opposite said outlet, a valve shaft extending through a bore in a wall of said channel, means within said channel normally urging said valve head against a valve seat at said outlet, means for maintaining a liquid-tight seal between said shaft and said bore, external means cooperating with said shaft for opening or closing said outlet by disengaging or



engaging said valve head with a valve seat at said outlet.

2,245,947
BELT FASTENER
Albert Edward Warby, Chadwell Heath, England
Application July 8, 1940, Serial No. 344,442
In Great Britain April 28, 1939
3 Claims. (Cl. 24—39)

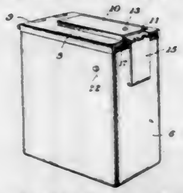


1. A deformable fastener for locking together belt ends adapted for application to said belt ends in undeformed non-locking configuration in contact therewith and for deformation by pressure applied to said fastener normally to said belt ends while said fastener is so in contact therewith for deforming said fastener into configuration for lockingly engaging said belt ends, consisting of a wire element having throughout its length a cross-section having an axially symmetrical outwardly convex curvilinear peripheral portion and a straight edge opposite said curvilinear portion and substantially perpendicular to the axis thereof, said wire element consisting of two adjoining median coplanar portions which meet at an angle and two terminal portions which respectively meet at an angle, the outer ends of said median portions and are directed reentrantly toward each other in the plane of said median portions, said fastener being formed with said straight edge substantially perpendicular to the plane of said fastener and forming an outward peripheral face thereof on which said fastener is adapted to stand, whereby said fastener deforms entirely within its said plane when pressure is applied normally to said outward peripheral face to deform said fastener into locking engagement with said belt ends without skew twist.

2,245,948
PACKAGE HOLDER AND CUTTER
Eugene C. Whiting, Watsonville, Calif.
Application May 23, 1939, Serial No. 275,300
1 Claim. (Cl. 206—41.5)

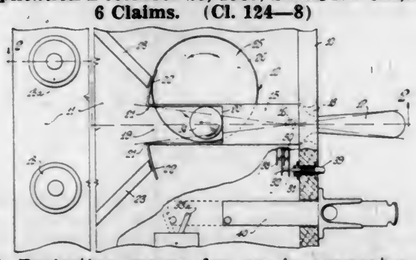
A device of the character described, comprising a container adapted to receive a package and

provided with a hinged cover to close the same, a housing carried by the upper end of the cover and extending longitudinally thereof, a slide movable in said housing, a pin carried by the housing and passing through a slot in the slide for retaining the slide therein, a blade secured to



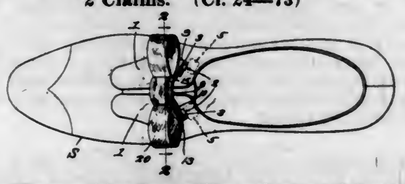
the outer end of said slide and of a width equal to that of the interior of the container and extending inwardly parallel therewith and spaced therefrom, and a folding handle carried by the outer end of the slide, whereby the blade will sever the upper end of the package in the container when the slide is moved inwardly.

2,245,949
BALL PROJECTOR
Harry E. Williams and Lyndon A. Durant, Chicago, Ill.
Application December 28, 1939, Serial No. 311,250
6 Claims. (Cl. 124—8)



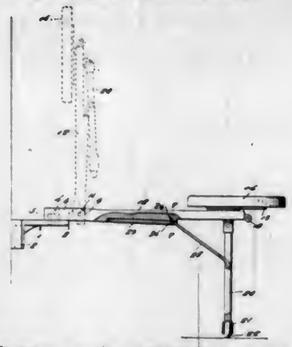
1. Projecting means for use in apparatus of the class described, said means comprising a traction member mounted for rotation in a horizontal plane, means for rotating said member, means for starting and stopping said rotating means, and means for positioning a ball on said traction member while the latter is rotating to impart spinning movement to the ball and for permitting escape of said ball therefrom as a result of reaction of the ball on said traction member when the latter is stopped.

2,245,950
SHOE FASTENER
Lee Barton Williams, Pittsburgh, Pa.
Application January 4, 1941, Serial No. 373,169
2 Claims. (Cl. 24—73)



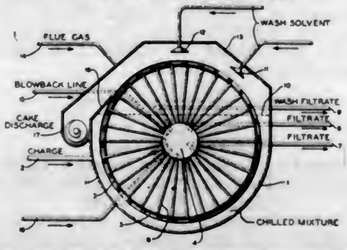
1. The combination with a shoe, and keepers connected to the shoe at opposite sides respectively of the front thereof, of a fastener including a resilient band having a terminal tab, spaced plates attached to the band, a hook on each plate, said hooks being extended toward each other and positioned for engagement with the respective keepers, and a resilient tongue integral with one of the hooks for engagement with the keeper of said hook to hold the hook and keeper against separation.

2,245,951
SHOWER SEAT
Charles A. T. Agee, Collingswood, N. J.
Application May 13, 1940, Serial No. 334,928
2 Claims. (Cl. 155—81)



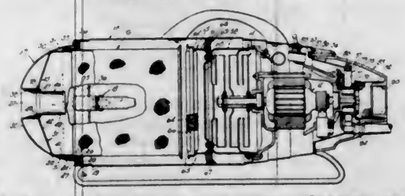
1. A shower seat comprising a bracket for mounting on a support, an arm pivotally mounted on said bracket for swinging movement in a horizontal plane, a seat member mounted on the free end portion of said arm, a supporting leg pivotally mounted beneath the free end portion of the arm, and means for releasably securing the leg in operative position, said means including a longitudinally slotted guide beneath the arm, said arm having a transverse channel in its lower portion adjacent one end of the guide, a brace pivotally mounted on the leg, and a T-head on one end of said brace operable in the guide and engageable in the channel when the leg is in operative position.

2,245,952
DEWAXING HYDROCARBON OIL
Robert H. Aitken Lawrenceville, Ill., and Wynkoop Kiersted, Jr., Scarsdale, N. Y., assignors of one-half to Indian Refining Company, Lawrenceville, Ill., a corporation of Maine, and one-half to The Texas Company, New York, N. Y., a corporation of Delaware
Application February 11, 1939, Serial No. 255,810
5 Claims. (Cl. 210—199)



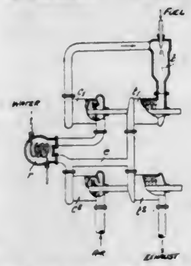
1. In the process of dewaxing mineral oil by continuously filtering the wax-bearing mixture, chilled to a temperature sufficiently low to solidify wax constituents of the oil, and wherein a rotating filtering surface consecutively submerges within the chilled mixture, during which formation of a wax cake occurs, and then emerges from the chilled mixture, during which said cake is washed, dried and discharged therefrom, the method of controlling cake formation which comprises maintaining a substantially zero differential in pressure through the filter surface during a predetermined portion of the time it is descending within the chilled mixture, thereby retarding deposition of solids upon the filter surface until a substantial period of time after the surface has entered the chilled mixture.

2,245,953
VACUUM CLEANER
Oscar M. Anderson and Nils T. Almquist, New Britain, Conn., assignors to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application December 9, 1938, Serial No. 244,830
5 Claims. (Cl. 183—51)



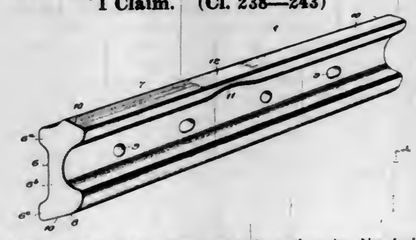
1. In combination, a vacuum cleaner casing having an open end and provided with a circumferential radially inwardly extending flange, a dust bag in said casing, having an open end, a mounting ring for said dust bag including a gasket fitting against the said casing flange and a forwardly projecting portion having the dust bag mounted thereon, and a cap having an outer member provided with a skirt telescoped over the open end of said casing and having a flange fitting against said gasket and compressing same against said casing flange to provide an air impervious seal between the cover member and the flange, said cap having an inner member provided with a side wall spaced inwardly from the inner wall of said outer cap member, said side wall being telescoped into said mounting ring and fitting snugly against the inner side walls of said dust bag at its open end to enclose the forwardly injecting portion of the mounting ring and the dust bag between the inner and outer cap members and maintain same dust free at all times.

2,245,954
GAS TURBINE ENGINE PLANT
René Anxionnaz, Paris, France, assignor of one-half to Societe Rateau, Paris, France, a company of France
Application January 24, 1938, Serial No. 186,747
In France January 25, 1937
9 Claims. (Cl. 60—41)



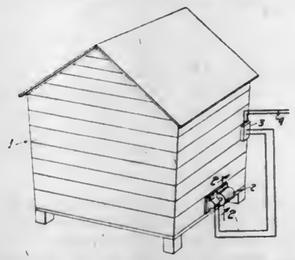
1. A gas turbine plant which comprises, in combination, at least two independently rotating turbines arranged in series, a conduit interconnecting said turbines, at least two compressors for the feed of compressed air to said turbines, driven by at least one of said turbines, a conduit interconnecting said compressors in series, said turbines and compressors being so constructed that under normal externel load, the pressure existing in the first mentioned conduit is equal to the pressure existing in the second mentioned conduit, a third conduit connecting the outlet of said pair of compressors with the inlet of said pair of turbines, means in said third conduit for heating the compressed air by combustion of fuel, and a balancing conduit directly connecting said second mentioned conduit with said first mentioned conduit.

2,245,955
SOUND CENTER RAIL JOINT BAR
Edward W. Backes, Evanston, Ill., assignor to Poor & Company, New York, N. Y., a corporation of Delaware
Original application August 23, 1939, Serial No. 291,611. Divided and this application June 5, 1940, Serial No. 338,989
1 Claim. (Cl. 238—243)



A new rail joint bar which prior to its initial application to rails in a rail joint has a finished bearing surface the end portions of which are decarburized and of normal hardness resulting from the rolling, cooling and quenching operations during forming of the bar and the center portion of which is of greater hardness than said end portions and is constituted by exposed sound mother metal of the bar lying in substantially the same plane as said end portions.

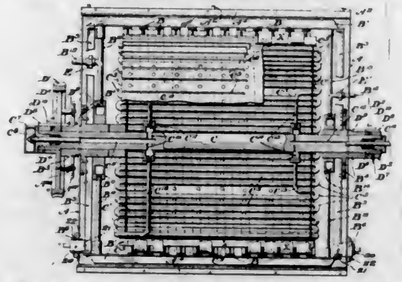
2,245,956
METHOD FOR PROTECTING FOODSTUFFS
Robert William Baily, Narberth, Pa.
Application September 18, 1939, Serial No. 295,531
1 Claim. (Cl. 43—124)



The method of defending a dry edible material from attacks by mammals and insects while such material is stored in a container, comprising intermittently imparting mechanical vibrations to the container and the dry material whereby attack on the material by mammals and insects is prevented through the dislike of intermittent

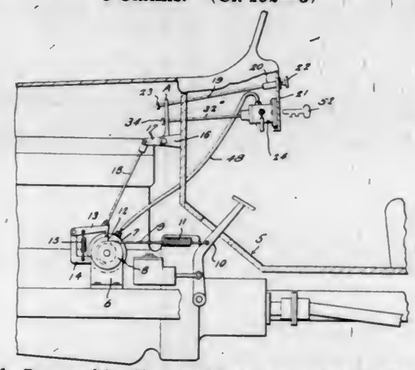
vibratory impulses by mammals and insects causing the mammals and insects to remain absent from the material.

2,245,957
COOKER
John S. Baker, Los Angeles, Calif.
Application February 19, 1940, Serial No. 319,782
24 Claims. (Cl. 126—272)



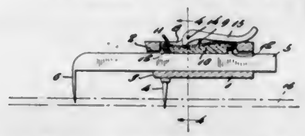
1. In apparatus of the character specified, a chamber; a helical canway rotatably mounted therein; a rotatable can propeller disposed within and coaxially of the canway and provided with means to engage the cans and move them along the canway; means for rotating the propeller; means for feeding cans into the canway; means for discharging cans from the canway; means for normally maintaining the canway against rotation; and means for interlocking the can propeller and canway for rotation together.

2,245,958
BRAKE APPLYING DEVICE FOR AUTOMOBILES
Harry E. Barr and William Lohman, Wheeling, W. Va., assignors of one-fourth to Frank P. Marchlenski and one-fourth to Louis Marchlenski, both of Wheeling, W. Va.
Application August 2, 1940, Serial No. 349,818
3 Claims. (Cl. 192—3)



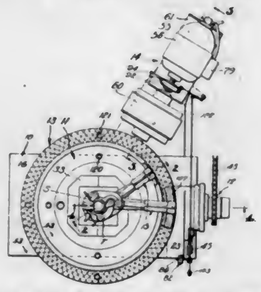
1. In combination with an automobile having brakes and an ignition circuit, an electric operating means connected to the brakes for the application and release of the latter, a switch electrically connected in the ignition circuit and electrically connected to said electric operating means for making and breaking the ignition circuit, and mechanical means connected to said switch and to said electric operating means for cooperation with said switch when the latter is operated to break the ignition circuit to complete the circuit to said electric operating means to bring about application of the brakes thereby and to automatically break the circuit to said electric operating means after the application of the brakes, said switch including means for completing the circuit to said electric operating means when the switch is moved to maintain the ignition circuit closed for the purpose of maintaining the engine of the automobile running with the brakes applied.

2,245,959
WASHER CUTTER
Daniel Brown, Burlington, N. J.
Application July 23, 1940, Serial No. 347,024
2 Claims. (Cl. 30—310)



1. A washer cutter comprising a sleeve having a longitudinal slot therein closed at its ends, an arm slidable in the sleeve, a knife on said arm, a shoe removably and floatingly mounted in the slot and confined by the walls thereof and engaged with the arm, and a cam lever pivotally mounted on the sleeve and operatively engaged with the shoe for pressing said shoe against the arm.

2,245,960
ROTARY WELL DRILLING APPARATUS
Guy K. Claire, Rolling Hills, Calif., assignor of one-third to Arthur L. Armentrout, one-third to Elwin B. Hall, and one-third to Virgil P. Baker, all of Los Angeles, Calif.
Application March 10, 1939, Serial No. 260,971
18 Claims. (Cl. 255—23)



1. A rotary table for well drilling comprising a rotatable inner table part, power means for rotating said inner part, a rotatable outer table part around said inner part, and a separate power means for rotating said outer table part.

2,245,961
FABRIC RETAINING MEANS
Joseph Burleigh Clay, Cedar Falls, Iowa, assignor to Clay Equipment Corp., Cedar Falls, Iowa, a corporation of Iowa
Application October 8, 1940, Serial No. 360,284
9 Claims. (Cl. 156—14)

1. Screen wire retaining means comprising a channel member, a rod received in said channel, and inwardly extending projections from one wall of said channel, spaced longitudinally thereof,

the distance from the point of one of said projections to the opposite wall of the channel being

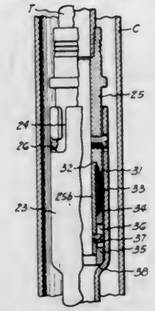


slightly less than the diameter of said rod plus two thicknesses of screen wire.

2,245,962
REACTION OF VINYLIDENE DIHALIDES WITH ALCOHOLATES
Gerald H. Coleman, Ralph M. Wiley, and Bartholdt C. Hadler, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application January 14, 1939, Serial No. 250,972
17 Claims. (Cl. 260—493)

16. The method of preparing an ester of acetic acid which comprises causing a vinylidene dihalide to react with a metal alcoholate of a monohydric alcohol at a temperature between about 20° C. and about 70° C., and separating the ester so formed.

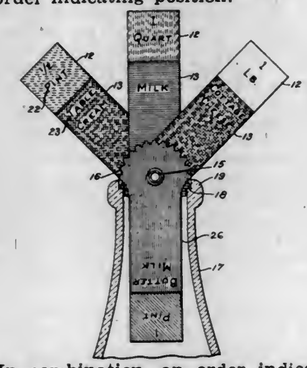
2,245,963
TUBING COUPLING
Charles S. Crickmer, Dallas, Tex., assignor to Merla Tool Corporation, Dallas, Tex., a corporation of Texas
Application February 5, 1940, Serial No. 317,373
3 Claims. (Cl. 285—175)



1. A coupling for releasably connecting a pair of tubular members including, an elongate sleeve secured to one of the members and having an internal seat therein, a tubular mandrel secured to the other member and insertable within the sleeve, means for detachably coupling the mandrel to the sleeve, a packing element surrounding the mandrel, and a retaining collar slidable relative to the mandrel for confining the packing element on said mandrel, said collar being adapted to engage the seat to permit the mandrel to move downwardly relative thereto during the coupling operation to distort the packing element into sealing position.

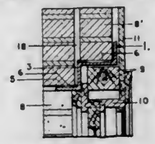
2,245,964
DAIRY ORDER INDICATOR
Fred M. Cronenwett, San Francisco, Calif., assignor to H. S. Crocker Co., Inc., San Francisco, Calif., a corporation of California
Application June 10, 1940, Serial No. 339,720
10 Claims. (Cl. 116—133)

1. A dairy order indicator adapted to be supported adjacent a bottle mouth comprising a plurality of elongated cards attached together at one end for relative pivotal movement, each of said cards having an enlargement at the end at which they are attached, said cards being adapted to be inserted in a bottle and supported at the mouth thereof by said enlargement with certain of said cards raised above the bottle in an order indicating position, and means on the enlarged ends of the cards co-acting with the stopper seat of the bottle for locking the cards in their order indicating position.



10. In combination, an order indicator comprising a plurality of elongated cards attached together at one end for relative pivotal movement, a support therefor, each of said cards having a serrated enlargement at the end at which they are attached, said serrations co-acting with said support for locking selected cards in a raised order indicating position.

2,245,965
LINTEL
Hyman Cunin, Washington, D. C.
Application February 10, 1940, Serial No. 318,388
4 Claims. (Cl. 72—98)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

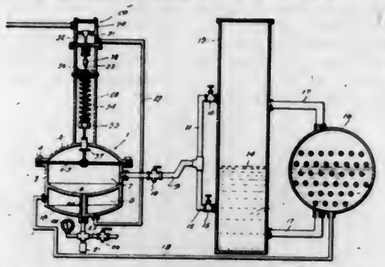


1. A lintel comprising a step-like member formed with riser and tread portions, the tread portions being inclined downwardly and outwardly relative to the riser portions to direct the water to the outside of the wall in which the lintel is incorporated, and means for spacing the masonry relative to the inclined tread portions so as to preserve the uniform alignment between the masonry.

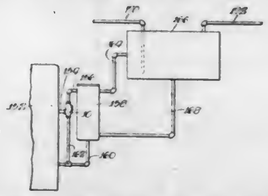
2,245,966
LIQUID LEVEL CONTROL
Harold Clinton Davis, Clarkwood, Tex.
Application April 7, 1939, Serial No. 266,660
5 Claims. (Cl. 137—68)

1. A liquid level control comprising, in combination with a container having therein a vapor generating liquid under pressure, an outlet connected with the container for lowering the level of the liquid therein, a valve controlling the outlet, pressure responsive means including a cham-

ber connected with the container for alternately receiving vapors and liquid therefrom as the level of said liquid drops and rises in said container, the valve being connected with said pressure responsive means for actuation to open position thereby, throttling means for the liquid entering the chamber to cause the liquid to vaporize and exhaust means on the chamber for exhausting vapors from the chamber as fast as they flow thereinto from the container but such exhaust means preventing the vapors from escaping as fast as the liquid entering the chamber is vaporized.



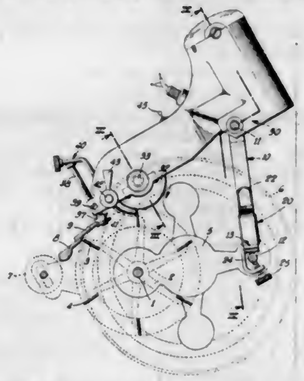
2,245,967
CIRCULATION CONTROLLER
Wendell M. Dillon, North Andover, Mass., assignor to Watts Regulator Company, Lawrence, Mass., a corporation of Massachusetts
Application December 5, 1938, Serial No. 243,965
4 Claims. (Cl. 126—362)



1. In a system for supplying liquid from a main to a service outlet means at a preselected temperature, the combination of a first re-circulating loop including means for maintaining liquid at a portion thereof at an elevated temperature condition, a second recirculation loop connected with the service outlet means arranged in heat exchange relation with the first loop, one of said loops being adapted to continuously recirculate liquid through said one loop having an elevated temperature condition, a bypassing conduit in the other of said loops and a circulation control valve connected in said other loop adapted to control the bypassing of liquid therein for controlling the temperature of liquid supplied to the service outlet means.

2,245,968
PORTABLE GRINDING DEVICE
Calvin Erdman, Claremont, Calif.
Application August 1, 1939, Serial No. 287,709
2 Claims. (Cl. 51—249)

2. A portable grinding and sharpening device adapted for use on lawnmowers, which comprises: a frame including a relatively narrow lower portion and a wide upper portion provided with a guide rod; manually releasable means for removably connecting said frame to a member paralleling said guide rod; a grinding unit carriage extending transversely of said guide rod and pivoted thereon, said carriage being manually slidable on said guide rod and including a grinding wheel journaled near one end of said carriage, a bent stop member adjacent said grinding wheel, means for adjustably varying the position of the end of said stop member with respect to said grinding wheel in three planes; a guiding wheel rotatably mounted on an adjustable support carried by said carriage adjacent said grinding wheel and a motor carried by the other end of said carriage and tending to counterbalance said grinding wheel when the device is in position on a lawnmower, whereby the grinding wheel may gravitationally rest upon a knife of a mower during grinding.

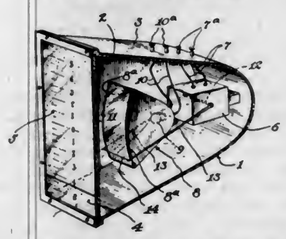


2,245,969
NASAL INHALER
Charles Henry Francisco, William Francisco, and Leonard Brown, San Francisco, Calif.
Application November 27, 1939, Serial No. 306,394
1 Claim. (Cl. 128—206)



A nasal inhaler comprising a supporting frame in the general form of the frame of spectacles and including a vertical plate having integral substantially horizontal arms projecting from opposite sides thereof and arranged to occupy a position over the eyes of the patient, the lower edge of the plate being formed to provide a bridge piece arranged to overlie the bridge of the patient's nose, other vertical arms integral with the plate and depending from the latter at opposite sides of said bridge piece, the lower ends of said arms being formed to provide nose pieces, a fitting rigidly secured to the front of said plate to provide an upwardly projecting inlet for oxygen or the like and downwardly diverging outlets at opposite sides of said bridge piece, nasal tubes connected to said outlet and depending therefrom, said nasal tubes terminating in inwardly and upwardly directed lower ends arranged to enter the nostrils of the patient, templates pivoted to the outer ends of said first-named arms and arranged to hook over the patient's ears to retain the inhaler in position upon the patient, the upper ends of said nasal tubes being slidably arranged in the diverging outlets of said fitting for vertical adjustment to the patient, manually releasable means for retaining the nasal tubes in any desired vertically adjusted position relative to the fitting, said last-named means comprising pins entering the fitting and frictionally engaging the upper ends of the nasal tubes, a resilient plate carrying said pins, and a manually operable screw having threaded engagement with the fitting and associated with said plate for flexing the latter and regulating the frictional engagement of the pins with the nasal tubes.

2,245,970
STRAIGHT SCALE INDICATOR
Forrest H. Frantz, Coplay, Pa.
Application May 13, 1940, Serial No. 334,967
3 Claims. (Cl. 88—24)



1. A straight scale indicator comprising a flat translucent screen having an exposed viewing face, a straight-line scale associated with the screen, a rotary shaft extending parallel to the screen, an arm extending from the shaft, a filament index member carried by the arm and adapted to swing in an arcuate path, means for rotating the shaft to swing the index member, a concave reflector and a lamp mounted in said reflector for projecting a shadow of the index member upon the screen to afford a scale reading, said light source, reflector and index member being located upon the side of the screen opposite its viewing face, and a light diffusion member covering the concave face of the reflector, said diffusion member being arcuately curved and lying closely adjacent the arcuate path of the index member.

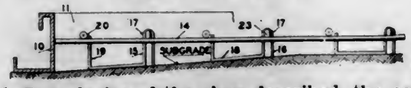
2,245,971
AZO DYESTUFFS
Friedrich Felix and Wilhelm Huber, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application February 1, 1938, Serial No. 188,189. In Switzerland February 3, 1937
11 Claims. (Cl. 260—205)

1. Monoazo-dyestuffs containing at least once in the dyestuff molecule the grouping



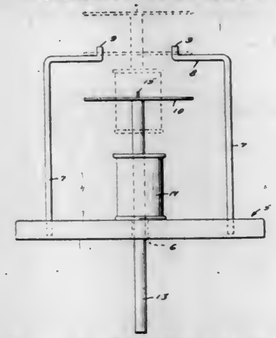
wherein X stands for a member of the group consisting of -alkylene-S.SO_3H and -hydroxy-alkylene-S.SO_3H and R_1 stands for a member of the group consisting of hydrogen and alkyl.

2,245,972
DOWEL ASSEMBLY FOR PAVING JOINTS
Bengt F. Friberg, St. Louis, Mo., assignor to Laclede Steel Company, St. Louis, Mo., a corporation of Missouri
Application July 5, 1938, Serial No. 217,402
5 Claims. (Cl. 94—8)



1. In a device of the class described, the combination with pavement separating means, of a plurality of dowels extending through said means at right angles thereto, a spacing bar positioned a substantial distance from each side of said means, dowel stops arranged on the spacing bar to engage the ends of alternate dowels, and chair elements rigidly secured to the bar and engaging alternate dowels, said chair elements each including a ground stop conforming to the contour of the subgrade and extending a substantial distance along the subgrade.

2,245,973
TOY
Rudolph C. Fruehe, Skokie, Ill.
Application April 8, 1941, Serial No. 387,520
3 Claims. (Cl. 272—67)

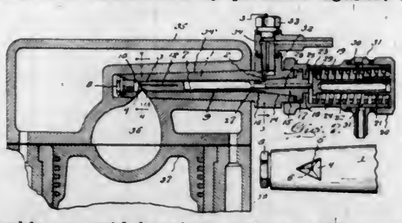


1. In a toy, a base plate having an opening, vertical rods rising from said base plate and having horizontal portions opposing each other and terminating in vertically disposed spaced extensions, a plate having openings to receive said extensions, and means loosely fitted in the openings of the base plate and detachably connected to said second plate for raising the latter and positioning thereof on the extensions.

2,245,974
ATOMIZING NOZZLE
Frederick C. Griswold, Port Jefferson, N. Y.
Continuation of application Serial No. 212,234, June 7, 1938. This application January 27, 1940, Serial No. 316,034
6 Claims. (Cl. 299—107.6)

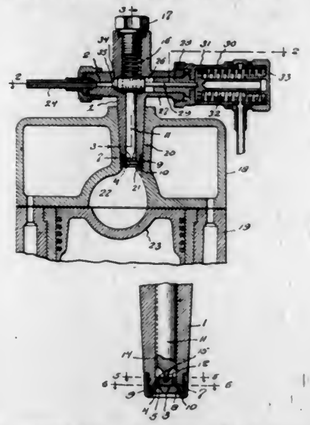
2. In a nozzle for atomizing fluid fuel and injecting the atomized fuel into the combustion chamber of an internal combustion engine, and wherein the fluid fuel is forced through a minute orifice of the nozzle under high pressure, a hollow body having a fuel inlet and provided with a wall affording an inner bearing surface, said wall having a discharge port at said bearing surface of triangular form in cross-section, said discharge port flaring outwardly from said bearing surface to the outer surface of said wall to pro-

vide a minute orifice and a knife edge at the inner end of said port and to present no ledge and no wall surfaces parallel with the axis of said port on which atoms of fuel may accumulate, and a movable valve member constantly engaged with and seated by pressure against and



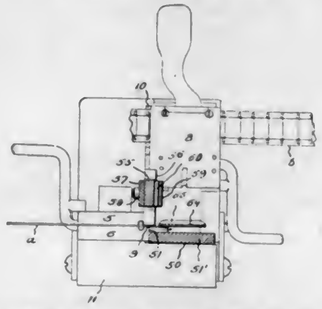
movable on said bearing surface, said movable valve member having on outlet port movable into and out of registry with said discharge port of the body and adapted to co-operate with the latter to form a fan-shaped spray of the fuel discharged through said discharge port into the combustion chamber.

2,245,975
ATOMIZING NOZZLE
Frederick C. Griswold, Port Jefferson, N. Y.
Application January 27, 1940, Serial No. 316,035
10 Claims. (Cl. 299—107.6)



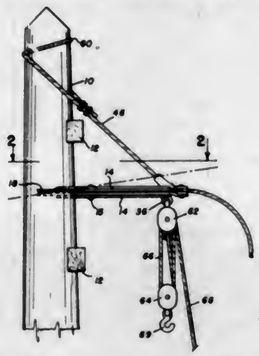
1. In a nozzle for atomizing fluid fuel and injecting the atomized fuel into the combustion chamber of an internal combustion engine, and wherein the fluid fuel is forced through a minute orifice under high pressure, a hollow body having a fuel inlet and provided with a wall affording an inner bearing surface, said wall having a tapered discharge port at said bearing surface, said discharge port gradually flaring outwardly from said bearing surface to the outer surface of said wall to provide a minute orifice and a knife edge at the inner end of said port and to present no ledge and no wall surfaces parallel with the axis of said port on which atoms of fuel may accumulate, a valve member rotatably fitted in said body and constantly engaged with and seated by pressure against said bearing surface, said valve member having an outlet port movable into and out of registry with said discharge port of the body and adapted to cooperate with the latter to form a fine spray of the fuel discharged through said discharge port into the combustion chamber, and means to periodically impart reciprocating rotary movement to said valve member for moving the outlet port of the latter into and out of registry with said discharge port.

2,245,976
FILM SCRAPING DEVICE
Frederick C. Griswold, Port Jefferson, N. Y.
Original application February 28, 1940, Serial No. 321,311. Divided and this application September 25, 1940, Serial No. 358,365
5 Claims. (Cl. 30—169)



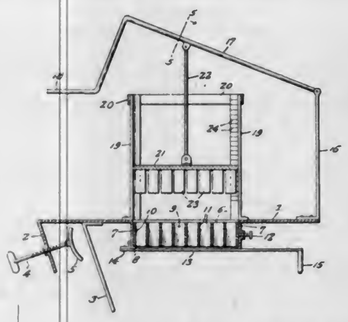
1. In a film splicing device, a film scraper comprising a base having a flat under surface and provided along one side with a straight edge, a member rising from said base and having a projecting arm parallel with said straight edge and overhanging said base, and means carried by an end of said arm for clamping a scraping blade in a vertical position with its lower edge disposed outwardly beyond said straight side edge of the base and above the upper surface of said base.

2,245,977
TONGS
Allen B. Houk, Opportunity, Wash.
Application December 7, 1940, Serial No. 369,133
5 Claims. (Cl. 248—230)



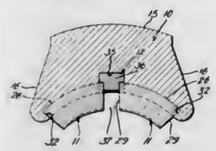
1. A tackle support comprising a pair of lever arms cross-pivoted together intermediate their ends and having arcuate toothed jaw portions; a closer link pivoted to each lever arm at the end opposite the toothed jaw portions; a pivot pin joining said closer links; a rope grip adjacent said pivot pin and comprising a body portion having opposed converging slide ways, rope guide loops adjacent the ends of said slide ways, and a slide jaw associated with each slide way; and a ring associated with said pivot pin.

2,245,978
VEGETABLE CUTTER
Norman Denis Hyland, Mobile, Ala.
Application May 3, 1940, Serial No. 333,217
1 Claim. (Cl. 146—78)



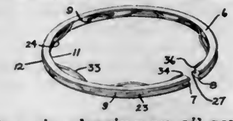
A vegetable slicing and dicing device, an elongated base plate having a substantially rectangular shaped opening located intermediate the ends thereof, means for mounting said plate horizontally over an open receptacle, integrally connected vertical depending guide plates formed on said base plate about said opening, inwardly directed flanges formed on lower edges of the guide plates, a knife unit for slicing vegetables positioned within the guide plates and resting on said flanges, means on one of said guide plates to releasably secure the knife unit on the flanges and within said guide plates, vertical channel iron guide members secured to and rising from the base plate at the corners of the opening, braces connecting the upper ends of said guide members, a reciprocal plunger operating in the guide members to force vegetables through the knife unit, and a cutting blade having one end pivoted on one of the flanges for manual pivotal movement over the other flanges to dice the vegetables after being sliced and forced outwardly of the knife unit and having the other end thereof angularly disposed to provide a hand grip.

2,245,979
SLIP
Glenn D. Johnson, Compton, Calif., assignor to Baash-Ross Tool Company, Los Angeles, Calif., a corporation of California
Application April 8, 1940, Serial No. 328,517
11 Claims. (Cl. 24—263.5)



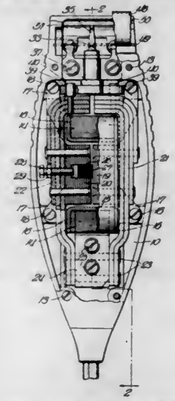
1. In a slip of the character described, a slip body having spaced longitudinal abutments on its inner side lying in inwardly converging planes, a pair of removable liners arranged against the inner side of the body to be in spaced relation, the outer longitudinal edges of the liners being inwardly convergent to fit against the abutments, and a longitudinal key inserted between the liners holding the liners against the abutments to be locked against inward movement thereby.

2,245,980
PISTON RING
Charles F. Johnston, Oakland, Calif.
Application October 13, 1937, Serial No. 168,748
6 Claims. (Cl. 309—43)



1. A piston ring having an oil scraper edge extending around the outer peripheral side of said ring intermediate the longitudinal ends of said ring and substantially at the center plane of the ring, and a sinuous spring engaging the inner side of said ring and urging the expansion and applying an axis of force inclined to the radial plane of said ring and substantially passing through said scraper edge.

2,245,981
VIBRATORY MOTOR
Rudolph Knopp, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application March 27, 1939, Serial No. 264,378
4 Claims. (Cl. 172—126)

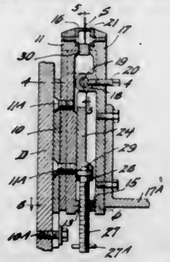


1. In a vibratory motor, a casing, a hollow coil therein intermediate the ends of said casing, an armature adjacent each end of said coil, one end of each of said armatures being anchored in said casing adjacent one end thereof whereby the other ends of said armatures are movable toward each other upon energization of said coil, core members extending from said armatures and into opposite ends of said coil to a position adjacent each other therein, a resilient bumper between said core members, a crank shaft oscillatably journalled in the other end of said casing, a crank arm on said crank shaft and link connections between the free ends of said armatures and said crank arm to impart movement to said crank arm and thereby oscillate said crank shaft upon energization of said coil with alternating current to cause vibration of said armatures.

2,245,982
VISE FOR SAW FILING MACHINES
Fred J. Knowles, Philadelphia, Pa., assignor to Nicholson File Company, Providence, R. I., a corporation of Rhode Island
Application December 2, 1938, Serial No. 243,635
2 Claims. (Cl. 76—78)

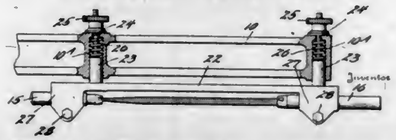
1. In a vise for saw filing machines, in com-

bination, an inner jaw rigidly and adjustably secured to the machine and having outwardly projecting spaced ears thereon adjacent the upper end, an outer jaw having adjacent its upper end a single inwardly projecting ear arranged between and pivotally connected to the ears on said inner jaw, a saw supporting table carried by and slidably supported on said inner jaw, said table having laterally spaced portions between which said ears of the inner and outer jaws are ar-



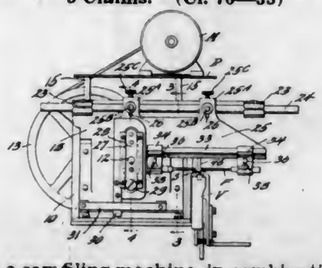
ranged, a screw carried by said inner jaw for vertically adjusting said table, a saw supporting bar carried by the spaced portions of said table, a spring disposed directly between the lower ends of said jaws and being the sole means for forcing the same apart and for forcing the upper ends of the jaws together to clamp the saw, and manually operable means for forcing the lower end of the outer jaw toward the inner jaw against the action of said spring to open said vise.

2,245,983
FILE HOLDER FOR SAW FILING MACHINES
Frederick J. Knowles, Philadelphia, Pa., assignor to Nicholson File Company, Providence, R. I., a corporation of Rhode Island
Application June 29, 1939, Serial No. 281,991
5 Claims. (Cl. 76—33)



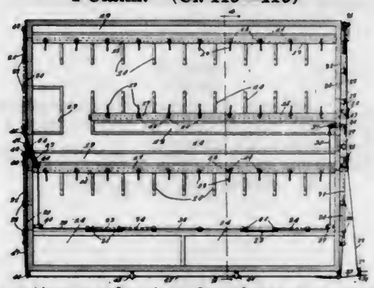
1. In a saw filing machine, in combination, a reciprocating arm, two supporting members carried by said arm and secured thereto in spaced relation longitudinally of the arm, said supporting members having aligned openings therein, a holder for the tang end of the file mounted in one of said openings, means for clamping said tang holder in any desired position of adjustment longitudinally or circumferentially in said opening, said tang holder having a longitudinal bore therein for receiving the tang of a file and also having a socket in the end thereof surrounding the end of said bore for receiving the shoulder of a file above the tang, the side walls of said socket comprising a plurality of flat surfaces arranged to closely fit the flat sides of the file shoulder when the tang of the file is inserted in said bore, said bore being of a diameter intermediate that of the tang and the shoulder portion of the file, whereby movement of said file into said holder is limited during either the positioning of the file or during the cutting stroke thereof, a holder for the point end of the file mounted in the other one of said openings, said point holder comprising a sleeve secured in said last named opening, a plunger slidably and rotatably mounted in said sleeve, said plunger having in its outer end a socket for receiving the point of a file and a spring in said sleeve bearing against said plunger to force the plunger and the file toward said tang holder.

2,245,984
SAW FILING MACHINE
Frederick J. Knowles, Philadelphia, Pa., assignor to Nicholson File Company, Providence, R. I., a corporation of Rhode Island
Application July 24, 1939, Serial No. 286,268
5 Claims. (Cl. 76—35)



1. In a saw filing machine, in combination, a vertically reciprocating bed plate, a plurality of horizontally spaced bearings carried by said bed plate, a supporting rod slidably mounted in said bearings, a file carrier plate secured to and supported at its upper edge on said rod, means for imparting vertical reciprocating motion to said bed plate and horizontal reciprocating motion to said carrier plate and supporting rod, means for mounting a file on said carrier plate, and means for adjusting said carrier plate up or down relative to said supporting rod to thereby adjust the position of the carrier plate and the file.

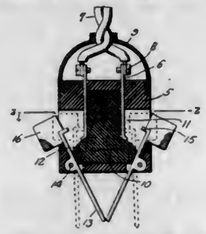
2,245,985
OPERATING MECHANISM FOR CLOSURES
George H. Kohlsaat, De Smet, S. Dak.
Application June 14, 1937, Serial No. 148,237
1 Claim. (Cl. 119—116)



Operating mechanism for closures comprising the combination of a barn for housing livestock, rotatable tethering rails arranged on opposite sides of a center aisle and along one wall of the barn, pins projecting radially from the rails and normally extending upwardly, shelves arranged above the rails and coacting with the pins for holding tethering rings of halters, said rails projecting exteriorly of the barn, tracks on the barn adjacent door openings in the barn, doors for said openings slidably mounted on the tracks, a pair of outer upstanding levers fixed respectively to the projecting end of one of the center aisle rails and to the tethering rail along one wall of the barn, an intermediate upstanding lever fixed to the projecting end of the other center aisle

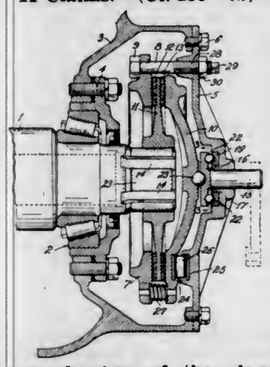
rail, a link connecting both outer levers together for movement simultaneously in the same direction to rotate their respective tethering rails and carry the pins downward to release the tethering rings, a flexible connector connected to said link and to said intermediate lever and adapted to move the intermediate lever simultaneously with and oppositely to the outer levers to rotate its respective tethering rail to carry the pin downwardly to release the tethering rings, flexible connectors connecting the doors to the outer levers for moving the levers as a unit with the doors, a flexible connector connected to one of the doors for manually closing the doors, and a flexible connector connected to one of said outer levers for manually opening the doors.

2,245,986
ELECTRIC PLUG
Herman H. Krauss, Fremont, Ohio
Application September 25, 1939, Serial No. 296,505
5 Claims. (Cl. 200—51)



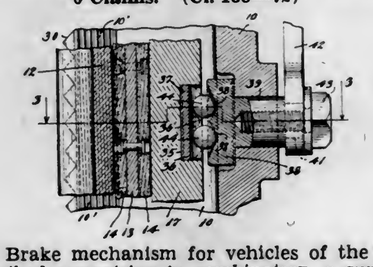
1. An electric plug comprising a rigid body portion having conductors positioned therein, a pair of prongs pivoted to said body portion and having one end movable into contacting engagement with the conductors and a yieldable solid body carried by the rigid body and compressed by the prongs when the prongs are in contacting engagement, said yieldable body being adapted to normally urge the prongs out of contacting engagement.

2,245,987
BRAKE UNIT
Homer T. Lambert, St. Joseph, Mich.
Application March 2, 1940, Serial No. 322,025
11 Claims. (Cl. 188—72)



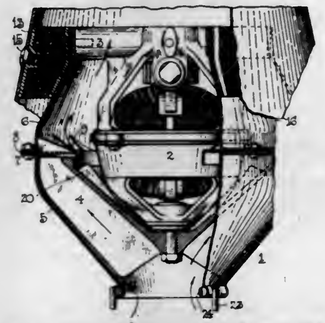
1. Brake mechanism of the class described comprising in combination, relatively movable and stationary braking discs, and means for axially shifting said discs relatively into frictional contact to produce a braking action comprising an actuating member movable axially of the movable brake disc, and thrust means intermediate the actuating member and movable brake disc and at the axial center of the latter for transmitting movement from said actuating member to said relatively movable brake disc, and means at the periphery of the stationary braking disc for resisting the axial pressure of the thrust means aforesaid.

2,245,988
BRAKE MECHANISM
Homer T. Lambert, St. Joseph, Mich.
Application July 29, 1940, Serial No. 348,254
6 Claims. (Cl. 188—72)



1. Brake mechanism for vehicles of the class described comprising in combination, a support, a plurality of braking members mounted thereon, primary means operable directly upon one of said braking members for shifting the same into contact with the others to produce brake application, auxiliary means for actuating said last-mentioned braking member into brake relation comprising a pair of discs having camming surfaces, anti-friction elements between said discs, one of said discs being rotatably mounted upon the support and the other disc being fixedly mounted on the said braking member, and means for rotating one disc relative to the other, and independent energizing means for producing servo action upon brake application during movement of the vehicle.

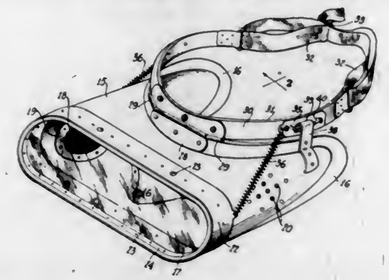
2,245,989
SUCTION DEVICE FOR VACUUM CLEANERS
Ward Leathers, Brooklyn, N. Y., assignor to Quadrex Corporation, New York, N. Y.
Application July 27, 1939, Serial No. 286,832
4 Claims. (Cl. 230—117)



1. In a vacuum-cleaner, a motor-suction-unit comprising a cone-shaped centrifugal fan adapted to be rotated by a co-axial motor, a cone-shaped casing surrounding said fan and means of deflecting air away from the tips of the blades of said fan in an axial direction for purposes of decreasing recirculation, said means comprising a plurality of fixed deflector blades disposed

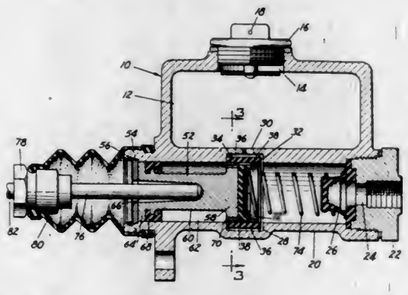
adjacent said tips, in a ring surrounding the said motor and co-axial therewith, with the entering edge of said fixed blades substantially in a plane at right-angles to the motor-axis and having their entering edges disposed diagonally to the wind stream.

2,245,990
GOGGLES
Margaret Loud, Ozone Park, N. Y.
Application June 3, 1940, Serial No. 338,453
5 Claims. (Cl. 2—14)



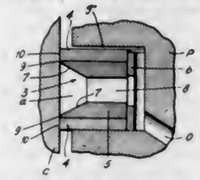
1. An eye protector comprising a casing of oval cross section fitted to the face and having a cushion fixed on the rear edge its front end having an elongated horizontal opening, a lens carrying frame fixed in the opening to extend spacedly in front of both eyes, a band adjustable to the head, a hinge connecting said casing and band at the front, tension springs to draw said casing and band into close proximity at their adjacent edges, loops on opposite sides of said band, and catches on said casing engageable with said loops.

2,245,991
FLUID PRESSURE BRAKING SYSTEM
Erwin F. Loweke, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application May 31, 1938, Serial No. 211,011
4 Claims. (Cl. 60—54.6)



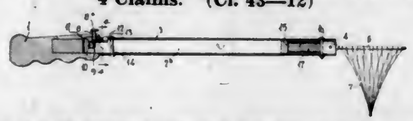
1. A fluid pressure producing device comprising a cylinder having an inlet port, a discharge port, and an internal annular slot communicating with the inlet port, a ring slidable in the slot having an inner diameter complementary to the bore of the cylinder and a slotted perimeter, and a piston reciprocable in the ring and cylinder adapted to frictionally grip and shift the ring on both its forward and compression strokes.

2,245,992
PISTON RING
Melvin W. Marien, St. Louis, Mo., assignor to Ramsey Accessories Manufacturing Corporation, St. Louis, Mo., a corporation of Missouri
Application April 6, 1939, Serial No. 266,266
1 Claim. (Cl. 309—45)



A piston ring assembly comprising a split ring member having an outwardly presented channel extending substantially entirely around the periphery of the ring, said channel having outwardly diverging side walls and oil passageways in the bottom of the channel, thin cylinder contacting surfaces at the outer margins of the channel, cylinder contacting split ring elements contiguous to said marginal surfaces, the axial width of said marginal surfaces being less than that of the ring elements, and an expander within the ring assembly and contacting both the ring member and the ring elements.

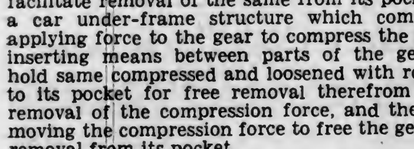
2,245,993
SPRING EXTENSION HANDLE FOR FISH LANDING NET
Lee R. McCoy, Clarkdale, Ariz.
Application June 11, 1940, Serial No. 339,976
4 Claims. (Cl. 43—12)



1. An extensible handle construction consisting of a supporting member having a handle at one end thereof, a sleeve slidably mounted upon the said supporting member and adapted to be secured in a retracted position overlying the said supporting member and to be extended lengthwise of said supporting member, said sleeve having a sliding fit throughout its length with respect to the said supporting member, means for detachably mounting tools on said sleeve at the end farthest from said handle, means for preventing rotation of said sleeve about the axis of the said supporting member, and resilient means normally under compression when said handle construction is in the retracted position, said resilient means confined within the said sleeve engaging that end of the said supporting member and that end of the said sleeve the farthest from the said handle and constantly urging said sleeve and said supporting member to their extended positions, and detent means for maintaining said sleeve in its retracted position located at the handle end of said supporting member.

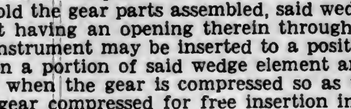
2,245,994
CASTING APPARATUS AND METHOD
Henry E. McWane, Lynchburg, Va.
Application January 5, 1938, Serial No. 183,548
7 Claims. (Cl. 22—65)

3. An apparatus for centrifugal casting of pipe comprising a revolving mold; a trough; a spout on the trough; a source of molten metal for the trough; means to cause relative longitudinal movement of the spout and the mold; and means maintaining a fixed position with respect to the



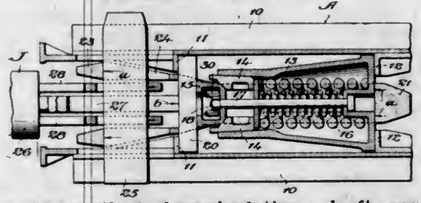
spout to selectively heat the interior walls of the mold in front of the deposition of the metal.

2,245,995
DRILL
Earl W. Merry, Dunkirk, Ind.
Application April 10, 1939, Serial No. 267,165
2 Claims. (Cl. 255—61)



1. A drill of the class described, including a generally triangular body, the surfaces of which are concave, a drilling point formed by the convergence of the surfaces of said triangular body and having three concave surfaces, and a plane relief surface for said drilling point formed as a flat surface at the meeting edge of two adjacent concave surfaces of said drilling point.

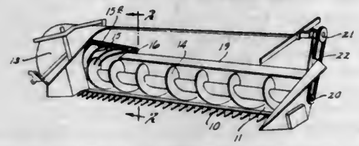
2,245,996
METHOD AND MEANS OF REMOVING DRAFT GEAR
Robert M. Nelson, Evanston, Ill., assignor to Peerless Equipment Company, Chicago, Ill., a corporation of Delaware
Application August 31, 1940, Serial No. 355,078
6 Claims. (Cl. 213—1)



1. The method of manipulating a draft gear to facilitate removal of the same from its pocket in a car under-frame structure which comprises applying force to the gear to compress the same, inserting means between parts of the gear to hold same compressed and loosened with respect to its pocket for free removal therefrom upon removal of the compression force, and then removing the compression force to free the gear for removal from its pocket.

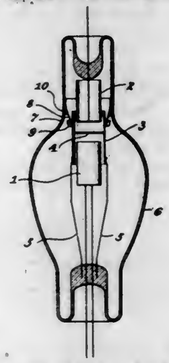
4. A draft gear comprising a casing, friction shoes therein, a shoe expanding wedge element cooperating with said friction shoes, spring means cooperating with said friction shoes counter to said wedge element, and means including a rod engaged with the casing and extending loosely through said wedge element and having a stop thereon for cooperation with said wedge element to hold the gear parts assembled, said wedge element having an opening therein through which an instrument may be inserted to a position between a portion of said wedge element and said stop when the gear is compressed so as to hold the gear compressed for free insertion into and removal from its pocket in a car under-frame structure.

2,245,997
AUXILIARY FEED DEVICE FOR COMBINES
Rudolph Olson, Sharon, N. Dak.
Application November 16, 1940, Serial No. 365,873
2 Claims. (Cl. 198—213)



1. In a machine of the kind described, a casing having an inlet at one side, a trough, one end of which leads to the inlet of said casing, a rotary feed screw working in said trough and extended to said inlet passage for the delivery of material into said casing, in combination with a multiplicity of resilient fingers supported from the rear wall of said trough and spaced over said feed screw along the point of entry of the stock from said spout into said casing, said resilient fingers being set obliquely in respect to the line of the feed of the material.

2,245,998
GRID-CONTROLLED GAS OR VAPOR-FILLED DISCHARGE VESSEL FOR HIGH OPERATING VOLTAGES
Herbert Pietsch, Berlin-Siemensstadt, Germany, assignor to Fides Gesellschaft für die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application June 28, 1939, Serial No. 281,577
In Germany July 15, 1938
2 Claims. (Cl. 250—27.5)

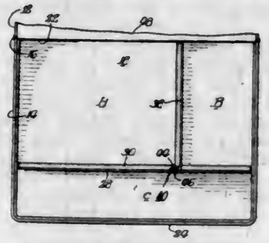


2. A gaseous discharge device comprising a container, a cylindrical control electrode therein having a perforated partition therein, an anode on one side of said partition, a cathode on the other side of said partition and a flexible ring of mica attached to the outer portion of said control electrode and extending to the wall of said container, said ring having a thin layer of electrical conducting material thereon.

2,245,999
FOLDING PARTITION FOR LUGGAGE
Joseph H. Plotkin, Chicago, Ill., assignor to S. Dresner & Sons, Inc., Chicago, Ill., a corporation of Illinois
Application June 10, 1940, Serial No. 339,756
2 Claims. (Cl. 190—51)

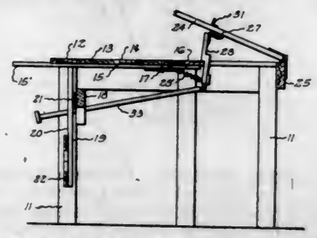
1. In combination a substantially rectangular

receptacle having a bottom wall and four side walls; a partition member extending from one side wall to the opposite side wall with its ends substantially abutting said walls and forming a compartment on each side of said partition, said partition being provided with a hinging member securing it to the bottom wall; a second partition member disposed in one of said compartments between said first mentioned partition member and a side wall parallel thereto at a position intermediate the ends of and at an angle to said first mentioned partition; a hinging member securing the second partition mem-



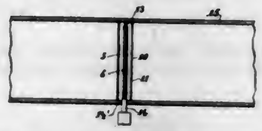
ber to the bottom wall, said hinging members providing means whereby said partitions may be swung to a position lying flat against said bottom wall or to a position at right angles thereto, said hinging members being so positioned that one end of said second partition abuts and braces the side of said first partition; and cooperating fastening members on the adjacent portions of said two partitions whereby said members may be positively secured and maintained in self-sustaining upright position to form completely separated compartments in the receptacle and releasable from each other for folding against said bottom wall.

2,246,000
STENCIL APPARATUS AND THE LIKE
John H. Pollard, Dallas, Tex., assignor of one-half to Arthur Baron and one-half to Richard Burdick, both of Dallas, Tex.
Application April 4, 1938, Serial No. 199,788
9 Claims. (Cl. 101—126)



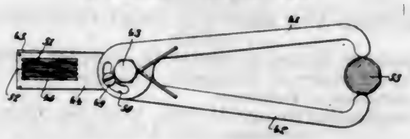
4. In an apparatus of the character described, a support, means for securing a medium upon said support as well as a stencil upon the medium, whereby coloring material may be applied to said medium through the stencil, the support having an opening therein which is of less area than and which underlies the medium, a panel hinged to the support and arranged to close said opening a brace for said panel free from positive connection with the panel and being pivoted off-center intermediate its ends so as to move automatically to its latching position when the panel is swung upwardly, and means secured to the brace for disengaging the same from the panel, whereby said panel may swing downwardly.

2,246,001
LIGHT MODULATOR
Walter P. Powers, East Orange, N. J., assignor to Associated Patentees, Inc., a corporation of New Jersey
Application April 1, 1940, Serial No. 327,369
6 Claims. (Cl. 88—61)



1. In light modulation, the combination of a compound interceptor screen, composed of relatively movable grids combined to form a larger grid pattern, which is shiftable to a greater extent by smaller relative movements of said combined grids, a third grid approximating said larger size grid so provided, at one side of said interceptor screen and means for effecting relative movement of the grids composing said interceptor screen.

2,246,002
INDICATING AND LIKE INSTRUMENT
Walter P. Powers, East Orange, N. J., assignor to Associated Patentees, Inc., a corporation of New Jersey
Application August 20, 1940, Serial No. 353,373
20 Claims. (Cl. 33—149)

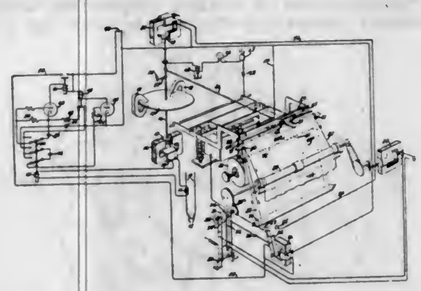


1. An indicator of the character disclosed, comprising flat grids of spaced substantially parallel lines in vernier relation and superposed substantially parallel to create by partial obscuration a combined shadow line or bar and said grids being pivotally related on an axis substantially at right angles to said grids to cause said shadow indication to swing through a wide angle about the pivotal center and angularly across the substantially parallel lines of the grids with relatively small actual relative movement of the grids.

2,246,003
IMPULSE MEASURING AND RECORDING APPARATUS
Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 26, 1938, Serial No. 242,543
6 Claims. (Cl. 171—95)

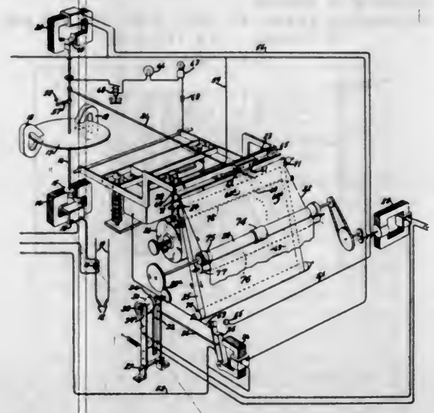
1. In a surge current recording instrument, a rotary recording element having a zero position, an electro-magnet connected to be energized in response to the surge current for rotating said recording element in an up-scale direction from its zero position with a torque proportional to the square of the surge current during the existence of such surge, magnetic means for damping the rotation of said recording element, means for recording the up-scale position of said recording element after the occurrence and end of a surge when the recording element has been brought to rest by the damping means, the torque effects of the electro-magnet and damping means on said rotary recording element being large in

comparison with the moment of inertia of said recording element, said apparatus producing a



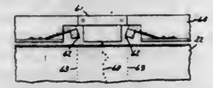
record which is a measure of the product of the square of the surge current and its duration.

2,246,004
RECORDING APPARATUS
Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application November 26, 1938, Serial No. 242,543. Divided and this application December 4, 1939, Serial No. 307,549
1 Claim. (Cl. 271—2.6)



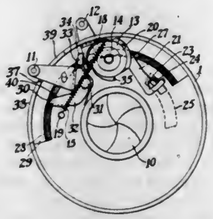
In a recording instrument, a pair of rollers for supporting a record sheet and between which such record sheet is gripped to pull the record sheet forward, a motor for driving one of said rollers, said last mentioned roller having an enlarged friction driving portion at its center and inwardly tapered cone-shaped chart straightening friction sections at its ends, the inner ends of said cone-shaped sections having a diameter not greater than and approximately equal to the center driving portion and a spacing approximately equal to the width of the chart, the other roller of said pair having a central diameter such that a chart will be gripped between it and the central driving section of the driving roller and end sections of reduced diameter opposite the cone-shaped end sections of the driving roller, said reduced end sections having a driving contact with the largest parts of the cone sections and being rotatable independently of the central section of the same roller.

2,246,005
IMPULSE MEASURING AND RECORDING APPARATUS
Theodore A. Rich, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application November 26, 1938, Serial No. 242,543. Divided and this application December 4, 1939, Serial No. 307,550
2 Claims. (Cl. 234—68)



1. In a recording instrument, a recording arm adapted to move over a chart in response to phenomena to be recorded, a movable recording bar above said chart for momentarily moving said recording arm into contact with said chart to produce a record of the position of said arm, and spaced recording markers on said bar for producing spaced calibration marks on said chart with each recording operation, said markers being resiliently secured to said recording bar and normally positioned with their recording surfaces approximately in alignment with the lower edge of the recording bar whereby during a recording operation said markers are permitted to move downward onto the chart beyond the lower edge of the recording bar.

2,246,006
SHUTTER TRIGGER LOCK
William A. Riddell, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 5, 1939, Serial No. 298,091
9 Claims. (Cl. 95—63)

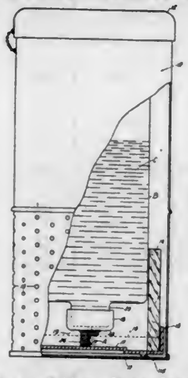


1. In a photographic shutter, the combination with a shutter casing, of an exposure aperture therein, shutter leaf means movably mounted and adapted to make an exposure by opening and closing said aperture, mechanism for moving said shutter leaf means, including a spring operated master member, a handle always movable with the master member for moving the master member to tension the spring setting the shutter for an exposure, a movable trigger for latching the master member in a set position and for releasing it to make an exposure as the spring tensioning runs down and a latch between the trigger and the setting handle operable only when the trigger is depressed and the master member runs down for locking the trigger in a position in which it cannot engage the master member.

2,246,007
TREATMENT OF FRIEDEL-CRAFTS REACTION LIQUORS
Harold A. Robinson, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application February 15, 1939, Serial No. 256,599
6 Claims. (Cl. 260—671)

1. In a process for the preparation of alkylated aromatic compounds wherein an alkylating agent selected from the class consisting of lower olefines and lower alkyl monohalides is reacted with a compound selected from the class consisting of aromatic hydrocarbons and halohydrocarbons in the presence of an organo-metal halide complex catalyst of the Friedel-Crafts type to form a crude alkylated product, the step of removing dispersed organo-metal halide complex catalyst from the crude alkylated product which comprises treating said crude product with a small proportion of an organic nitrogenous base under substantially anhydrous conditions.

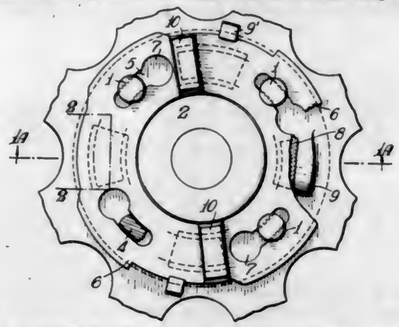
2,246,008
DIFFUSING MEANS
Allen T. Rooch, Cincinnati, Ohio
Application March 15, 1939, Serial No. 261,988
12 Claims. (Cl. 299—23)



1. In a device of the class described comprising a container having apertured side walls, a base and a displaceable cap on the top of said container, cup like means in the bottom of said container and removable therefrom for supporting an inverted bottle and retaining suitable diffusion means, means to retain a purifying liquid within said bottle including means for discharging said fluid therefrom, and a yieldable clutching means carried by said removable cup like means for engaging the fluid discharge portion of said bottle whereby said cup like means is detachably secured to said bottle, whereby the cup may be withdrawn from the container simultaneously with the withdrawal of the bottle therefrom.

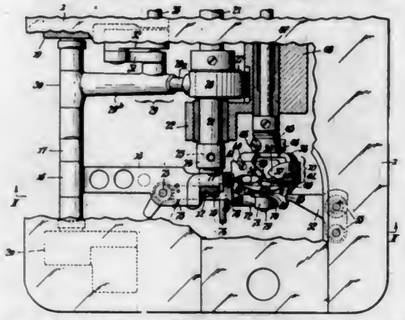
2,246,009
WHEEL MOUNTING
Erik Carl Gustaf Rosén, Lidingo, Sweden
Application October 18, 1938, Serial No. 235,545
In Sweden October 9, 1937
3 Claims. (Cl. 301—9)

1. Means for the attachment of a wheel to a vehicle including a hub flange, headed bolts permanently carried by the hub flange, a wheel having a circular series of openings therein between the wheel axis and periphery and through which said bolts project, an annularly movable ring provided with key-hole slots cooperating with the bolt heads outwardly of the wheel and a circular series of distinct cooperating wedge members respectively disposed between the hub



bolts carried by the ring and the wheel, respectively and rendered active upon turning movements of said ring for moving the central portion of the wheel into binding engagement with the hub flange.

2,246,010
LOCKSTITCH SEWING MACHINE
Charles F. Rubel, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application August 18, 1937, Serial No. 159,646
21 Claims. (Cl. 112—181)

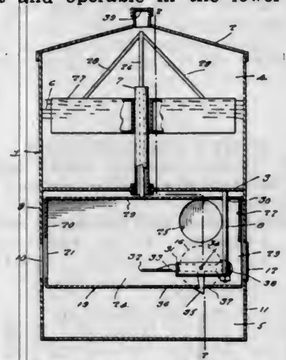


2. In a lockstitch sewing machine, stitch-forming mechanism including two relatively rotating components which are interconnected with capacity for limited axial play relatively; a steadying element with at least three substantially uniformly-spaced circumferentially-arranged spot projections adapted to cooperate with one of said components to normally oppose its end thrust and prevent it from canting in respect to the axis of the other component; and means for actuating the steadying element to reduce the axial play between the two components during a portion only of each stitch-forming cycle.

2,246,011
TRAP
John C. Russell, Kilgore, Tex.
Application August 5, 1940, Serial No. 351,497
4 Claims. (Cl. 43—68)

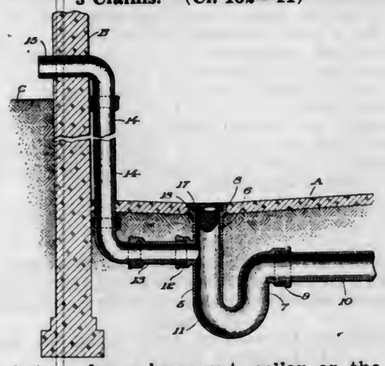
1. A trap comprising a container including upper and lower compartments, said upper compartment for the reception of a fluid, a float operable in the fluid in the upper compartment,

an animal receiving chamber suspended from the float and operable in the lower compart-



ment, and means operable by an animal for releasably securing the chamber in raised position.

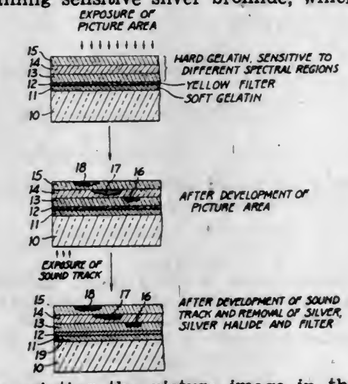
2,246,012
DRAIN
Ernest Sanders, Elmwood Park, Ill.
Application April 15, 1940, Serial No. 329,798
3 Claims. (Cl. 182—11)



1. A trap for a basement, cellar or the like countersunk relative to a ground surface, comprising a substantially U-shaped pipe body having a long arm and a short arm, the short arm having an end laterally directed to the vertical and forming a nipple for connection with a sewerage system, the long arm being vertically disposed on placement of the body below the flooring of the basement, cellar or the like, an inlet mouth formed with said long arm, an air vent pipe opening exteriorly of the basement, cellar or the like to the atmosphere and communicative with the said body below the inlet mouth through the long arm of said body, a nipple built with the long arm and connecting the said air vent pipe therewith, a strainer separably fitted within the inlet mouth, and a plug coacting with the strainer for the closing of said inlet mouth.

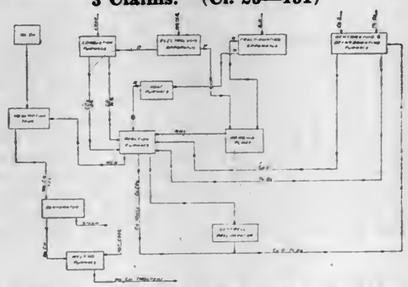
2,246,013
COLOR SOUND FILM
Karl Schinzel, Rochester, N. Y., and Ludwig Schinzel, Troppau, Silesia; said Karl Schinzel assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 18, 1938, Serial No. 214,578
In Austria June 25, 1937
2 Claims. (Cl. 95—2)

1. The method of printing the sound track image and picture image on multi-layer photographic material having at least two sensitive layers, an upper layer being composed of soft gelatin containing sensitive silver chloride and a lower layer being composed of harder gelatin containing sensitive silver bromide, which com-



prises printing the picture image in the layer of soft gelatin, developing it in a weak developer and fixing out the residual silver chloride, and then printing the sound track image in the layer of harder gelatin, developing it in a strong developer and fixing it.

2,246,014
METHOD OF PRODUCING HYDROCYANIC ACID AND SALTS THEREOF
Richard T. Schraubstadter, University City, Mo.
Application June 3, 1939, Serial No. 277,170
3 Claims. (Cl. 23—151)

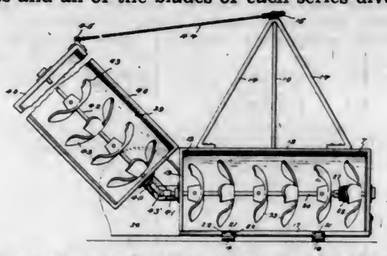


1. The production of hydrocyanic acid by reaction of ammonia and carbon monoxide at a temperature between 400° and 450° centigrade, in the presence of calcium oxide, whereby secondary reactions of carbon monoxide and steam are avoided.

2,246,015
SNOWPLOW
Lawrence Sims, Topeka, Kans., assignor of one-third to F. G. Irwin and one-third to G. James, both of Topeka, Kans.
Application August 16, 1940, Serial No. 352,951
7 Claims. (Cl. 37—43)

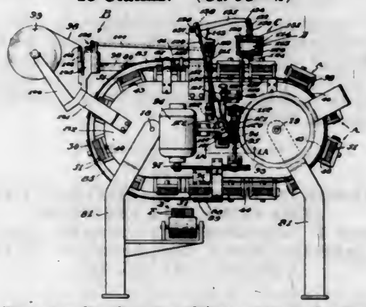
1. A snow plow for attachment to the front end of a motor vehicle, including an obliquely disposed main receiver open at its front, a shaft within and extending longitudinally of the receiver, means for transmitting motion to the shaft from a motor vehicle to which the plow is connected and spaced annular series of blades mounted on and rotatable with the shaft, the

blades of each series having sharpened advancing edges and all of the blades of each series diverg-



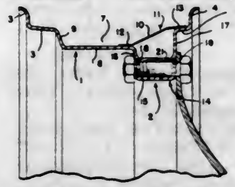
ing toward one end of the receiver, said end being open and the opposite end being closed.

2,246,016
MACHINE FOR PACKAGING BUTTER, CHEESE, AND SIMILAR COMMODITIES
Virgil O. Sinclair, Los Angeles, Calif.
Application November 1, 1939, Serial No. 302,335
13 Claims. (Cl. 93—2)



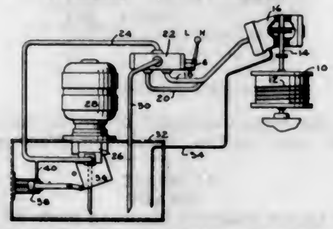
1. In a packaging machine, opposed groups of parallel slides, ribbon folding and supporting blades carried on the slides, the ribbon folding and supporting blades carried on the slides of one of the groups arranged in parallel relation to each other and arranged relative to the slides of the other group for positioning in overlapped relation and in close proximity thereto on advancing the slides of each group to the limit of their forward movement toward each other, and means for advancing and retracting said slides.

2,246,017
RIM
Charles W. Sinclair, Detroit, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application November 27, 1939, Serial No. 306,420
6 Claims. (Cl. 301—11)



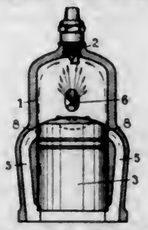
1. A rim comprising an annular rim member having tire retaining flanges, lateral tire bead supporting portions connecting into said flanges, a generally radial portion connecting into one of said lateral portions, a base portion connecting into said generally radial portion, and an annular channel having its sides connecting into said base portion and the other of said lateral portions, and a band extending across said channel, said channel forming a felloe and said generally radial portion, base portion and band forming a well for the tire receiving element of the rim.

2,246,018
POWER TRANSMISSION
Harvey B. Snyder, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan
Application January 15, 1940, Serial No. 313,867
8 Claims. (Cl. 74—189.5)



1. In a hydraulic drive system for a unidirectionally acting load device the combination of a reciprocating piston hydraulic motor of the type having a reaction member for receiving piston thrust and rotatable on an axis inclined with respect to the direction of piston reciprocation, an output shaft mounted transverse to and spaced from the axis of rotation of the reaction member, and worm gearing connecting the reaction member with the output shaft and arranged to oppose the piston thrust by the counter-thrust of the worm.

2,246,019
TWO STROKE INTERNAL COMBUSTION ENGINE OPERATING WITH FUEL INJECTION
Gustav Steinlein, Mainberg, near Schweinfurt, Germany
Application January 19, 1939, Serial No. 251,734
In Germany January 26, 1938
2 Claims. (Cl. 123—32)



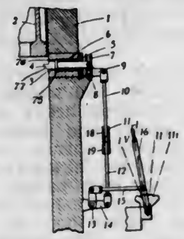
1. In a two-stroke cycle internal combustion engine of the type provided with a spark ignition, the combination comprising a cylinder and a piston reciprocable therein, said cylinder having a pair of air inlet ports arranged substantially diametrically near the end of the power stroke of said piston, and controlled by said piston as to be uncovered thereby near the end of its power stroke, means on said piston head for directing the stream of air from said inlets along and substantially parallel to the cylinder walls towards the cylinder head and towards each other where they form a turbulent zone, an exhaust port between the two inlets disposed a short distance above the dead center position of the piston head at the end of its power stroke, and controlled by

said piston, and means for injecting fuel into said cylinder from the side thereof diametrically opposite to and at a level substantially near said exhaust port and in a direction inclined towards said cylinder head, whereby the injected fuel moves counter-current to the descending turbulent zone of air and becomes thoroughly mixed therewith.

2,246,020
TREATMENT OF STYRENE WITH COPPER
Sylvia M. Stoesser, Midland, and Orville A. Braley, Albion, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 1, 1938, Serial No. 232,800
7 Claims. (Cl. 260—41)

1. The method which comprises contacting an aromatic vinyl compound with a metal selected from the class consisting of copper and alloys essentially comprising copper and thereafter polymerizing said compound by heating at a temperature above 80° C. whereby a colored polymer is obtained.

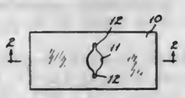
2,246,021
HYDRAULIC DRAW PRESS
Jakob Sturm and Adolf Hinderer, Goppingen, Germany, assignors to L. Schuler, A. G., Goppingen, Wurttemburg, Germany
Application December 16, 1938, Serial No. 246,180
In Germany December 23, 1937
11 Claims. (Cl. 192—129)

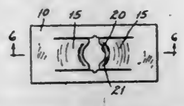


1. In a hydraulic press, comprising a frame, a slide mounted for reciprocating thereon, means controlling the working and return movement of said slide, an automatically projected dog mounted on said frame in position when projected for locking said slide in returned position, an operating member for retracting said dog, and a linkage connecting said dog and operating member, the improvement herein described which consists in the said linkage including a member having lost motion permitting said dog to move out of locking position, and means associated with said slide and operative upon the return movement thereof for moving said dog out of locking position.

2,246,022
METHOD OF MAKING FASTENING DEVICES
George A. Tinnerman, Rocky River, Ohio, assignor, by mesne assignments, to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 14, 1939, Serial No. 250,945
6 Claims. (Cl. 29—148)

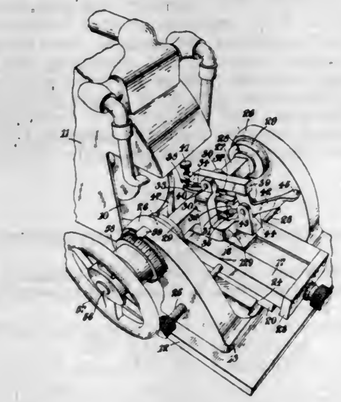
1. A method of making a sheet metal fastener for threadedly engaging a bolt or screw which comprises, providing a blank, piercing it to provide noncircular thread engaging portions defining an opening smaller than the root diameter of the bolt or screw, slitting said blank with spaced slits on either side of said opening to form tongues or the like the free ends of which include said noncircular thread engaging por-





tions, and deforming said noncircular thread engaging portions to cause the same to recede and define segments of a substantially circular thread opening for receiving the root diameter of the bolt or screw.

2,246,023
GRINDING MACHINE
Bertram Charles Spurling, deceased, late of Leicester, England, by Mildred Ann Spurling, administratrix, Leicester, England, assignor to The Bentley Engineering Company Limited, Leicester, England, a British company
Application September 11, 1940, Serial No. 356,388
In Great Britain December 24, 1938
13 Claims. (Cl. 51—100)



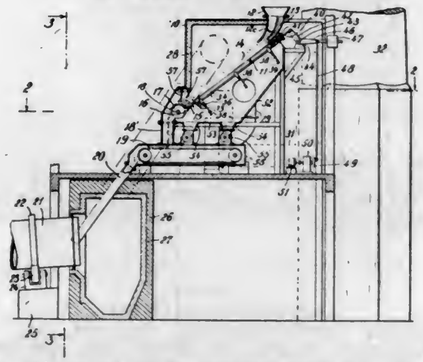
1. A grinding machine comprising in combination a rotatable grinding wheel and a carriage, means mounting said carriage for movement in any direction parallel to and at a fixed distance from an imaginary plane parallel to the grinding wheel axis, a support on the carriage for attaching a master pattern thereto out of the plane of the axis, a support on the carriage for holding a blank to be ground in a position for presentation to the grinding wheel in line with the master pattern in a direction normal to said imaginary plane and in the plane of said axis, and a stationary guide positioned to engage the profile of the master pattern, in line with the grinding wheel periphery in a direction normal to said plane, whereby movement of the carriage parallel to the said plane will cause the pattern to traverse the guide and cause the grinding wheel to reproduce the pattern on the blank.

2,246,024

APPARATUS FOR TREATING GRANULAR OR PULVERULENT MATERIAL

Mikael Vogel - Jorgensen, Frederiksberg, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey

Application April 19, 1940, Serial No. 330,553
In Great Britain April 5, 1939
12 Claims. (Cl. 263—21)



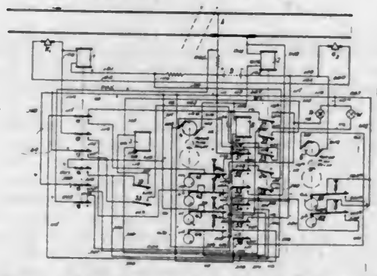
1. A method of subjecting granular or pulverulent material to the action of gases, which comprises continuously feeding the material to the upper end of a gas-permeable support disposed at an angle to the horizontal less than the angle of repose of the material to form a layer of the material on the support, applying a force to a portion of the layer to advance it down and relative to the support, passing the gases through the layer and support, and damming the advancing layer of material at its lower end to insure that the layer will be of substantially uniform thickness, and substantially continuously withdrawing material from the lower end of the layer over the damming means at a controlled rate.

2,246,025

SIGNALING APPARATUS FOR GRADE CROSSINGS

Ernst Wilckens, Berlin-Sudende, Germany, assignor to Julius Pintsch Kommanditgesellschaft, Berlin, Germany

Application August 26, 1937, Serial No. 160,972
In Germany April 2, 1937
10 Claims. (Cl. 246—125)



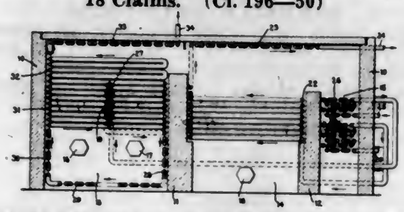
1. In combination a stretch of railway track including a section intersected by a highway, a traffic signal adjacent the highway, an electrical circuit including switch means controlling said signal, train operated tripping elements positioned to be operated by a train passing through said section arranged to control the switch means of said electrical circuit, a current source from which said electrical circuit receives power, a relay normally energized from the current source to maintain the switch means of said electrical circuit in operative condition, a safety control circuit including switch control means normally energized from the current source to maintain said circuit in operative condition, the switch control means of the safety control circuit including a switch and means to open said switch upon failure of the voltage in the current source, and means for restoring current to said safety control circuit upon restoration of the voltage in the current source including a time delay relay, together with an auxiliary circuit including control means operated by the train operated tripping element first engaged by a train entering the section to immediately re-energize said control circuit upon entrance of a train into the section.

2,246,026

HEATING APPARATUS

Dustin W. Wilson, Elizabeth, N. J., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware

Application March 14, 1932, Serial No. 598,792
18 Claims. (Cl. 196—50)



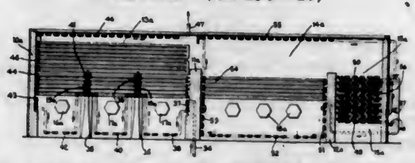
15. In the heating of hydrocarbon oils to conversion temperatures, the method which comprises passing a relatively heavy oil first through a convection section and thence through a radiant heat section of a furnace wherein radiant heat is generated for heating the relatively heavy oil, simultaneously passing a lighter oil through a second radiant heat section in said furnace wherein radiant heat is generated for heating the lighter oil, then passing the lighter oil through said convection section of the furnace, and passing combustion gases from both said radiant heat sections in indirect heat exchange relation with the oils in the convection section.

2,246,027

HEATING APPARATUS

Dustin W. Wilson, Scarsdale, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware

Original application March 14, 1932, Serial No. 598,792. Divided and this application January 6, 1940, Serial No. 312,663
15 Claims. (Cl. 196—47)



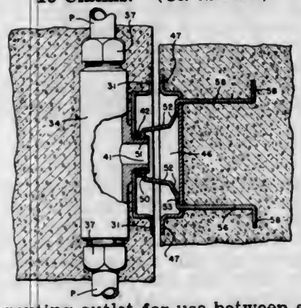
11. In the heating of hydrocarbon fluids to conversion temperature in furnaces of the character having a pair of independently fired combustion zones and a convection zone supplied with combustion gases from both of said combustion zones, the method which comprises passing a hydrocarbon oil in a continuous uninterrupted stream through one of said combustion zones adjacent the floor and adjacent the roof thereof, simultaneously passing a second hydrocarbon oil in a continuous uninterrupted stream through the convection zone and through the other of said combustion zones adjacent the floor and adjacent the roof thereof, the streams being subjected to strong heating while adjacent the floor of each combustion zone.

2,246,028

GROUTING OUTLET

Hubert Earl Woodring, Denver, Colo.

Application July 22, 1939, Serial No. 285,849
15 Claims. (Cl. 72—0.5)



1. A grouting outlet for use between separately formed concrete blocks comprising two separable parts including an outlet member having an inlet hole therethrough, and a cover means adapted to be fitted to the outlet member, at least one of said separable parts being cup-shaped to form a closed chamber within the two parts; securing means carried by the two separable parts and within the chamber to secure the same together including yieldable arms whereby an opening is formed in the grouting outlet between the two separable parts upon contraction of one of said concrete blocks, and means carried by one of said separable parts which is secured to and projects outwardly beyond the cover means to anchor the latter in a block of concrete.

2,246,029

APPARATUS FOR MAKING PIPE BENDS AND THE LIKE

Walter E. Zoeller, Louisville, Ky., assignor to Tube-Turns, Incorporated, Louisville, Ky., a corporation of Kentucky

Application July 13, 1937, Serial No. 153,308
8 Claims. (Cl. 153—48)



7. A machine for shaping tube sections, including a tiltable mandrel rod having a die mandrel at one end thereof, means for heating said mandrel, a supporting structure, a movable power element mounted upon said supporting structure, means connected to said power element for forcing tubular stock along said rod and over said mandrel, means detachably securing the other end of said rod to said supporting structure whereby said rod may be detached from the supporting structure at said point and tilted into stock receiving position, or may be held rigidly against endwise movement and in a position parallel with the line of movement of said means connected to the power element, said securing means comprising the sole means for securing said rod to said structure, and a fulcrum support for said tiltable rod and independent of said power element, whereby the detached mandrel rod may be pivotally held by the fulcrum support with its detached end in a raised and accessible loading position while tube stock is being loaded thereon and the power element is being moved away from the heating means, and without removing the mandrel from the heating means.

2,246,030

METHOD OF DISPERSING TITANIUM DIOXIDE PIGMENTS

Robert William Ancrum, Stockton-on-Tees, and Assur Gjessing Oppegaard, Eaglescliffe, England, assignors to Titan Company, Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Application September 3, 1938, Serial No. 228,326. In Great Britain September 18, 1937
6 Claims. (Cl. 134—58)

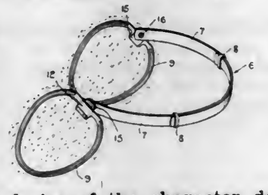
1. An improved method for dispersing titanium dioxide pigments in aqueous media which comprises intimately mixing particles of said pigment with water and a relatively small amount of a basic halide of an element selected from the group consisting of aluminum, cerium, iron, titanium, zirconium, thallium and thorium, allowing the coarse particles to settle out of suspension and separating therefrom the supernatant aqueous suspension of the dispersed finer particles.

2,246,031

EAR MUFF FRAME

Sidney Baritz, Great Neck, and Stephen Lerma, Flushing, N. Y., assignors to Handy Button Machine Co. of N. Y. Inc., a corporation of New York

Application November 3, 1939, Serial No. 302,640
5 Claims. (Cl. 2—209)



1. In a device of the character described, a support and ear pieces carried by said support, said ear pieces comprising a flat metal frame of integral construction having a slotted enlarged portion deformed out of the plane of the flat metal frame and extending into the opening formed by the frame.

2,246,032

PROCESS FOR THE PRODUCTION OF BETA GAMMA UNSATURATED KETONES

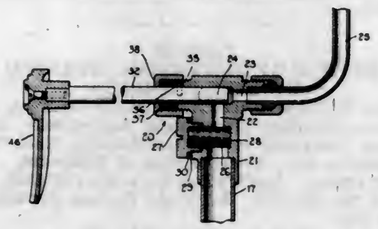
Franklin A. Bent, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Original application December 27, 1937, Serial No. 182,005, now Patent No. 2,197,462, dated April 16, 1940. Divided and this application June 10, 1938, Serial No. 212,979
10 Claims. (Cl. 260—586)

1. A process for the production of a beta gamma unsaturated ketone which comprises the steps of heating an alpha beta unsaturated

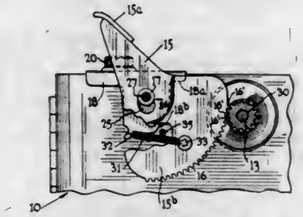
ketone and separating the isomeric beta gamma unsaturated ketone from the reaction mixture at substantially the rate of formation from the alpha beta unsaturated ketone.

2,246,033
TURBINE CONTROL VALVE
Edward S. Cornell, Jr., Larchmont, N. Y.
Application September 3, 1938, Serial No. 228,278
3 Claims. (Cl. 183—41)



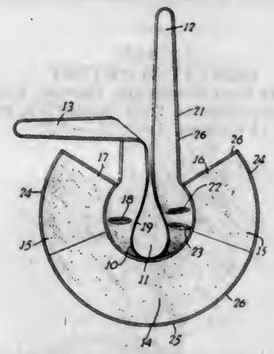
1. In a valve, the combination with a valve body having a flow passage, of plug means removably passing through an opening in a wall of said valve body adjacent such flow passage, and filter means having a length of filtering surface substantially greater than the diameter of said flow passage removably secured to said plug means and withdrawable through such valve wall opening as a unit with said plug means upon removal of said plug means from said valve body wall, a portion of said filter means substantially equal to the diameter of said flow passage being shielded from flow of fluid through said valve passage by the cooperation of said plug means and said valve body, substantially the remainder of said filter means being positioned transversely of said flow passage in filtering relationship therewith.

2,246,034
WINDING DEVICE FOR CAMERAS
Eli Elison, Jackson Heights, N. Y., assignor to Universal Camera Corporation, New York, N. Y., a corporation of Delaware
Application July 4, 1939, Serial No. 282,763
12 Claims. (Cl. 242—71)



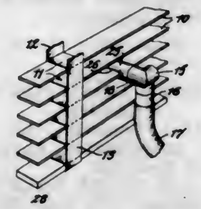
1. For use with a camera having a winding shaft for winding a film and a gear member fixed to said winding shaft for rotation therewith, a rapid winding device comprising a manually operable lever provided with arcuately disposed gear teeth adapted to mesh with the teeth of said gear member, said lever having a slot, and means for rotatably mounting said lever on said camera, said last named means comprising a stationary bracket member having a fixed projection thereon on which the edges of said slot are transversely slidably disposed, whereby said lever may be shifted transversely relative to said projection to unmesh the gear teeth on said lever from said gear member.

2,246,035
COLD CREAM SHIELD
Anna M. Elliot, Dallas, Tex.
Application March 29, 1939, Serial No. 264,681
1 Claim. (Cl. 2—50)



A shield including a fabric collar provided with an opening on one side and a plurality of openings on the other side and having an inner overlapping extension adapted to pass out through an opening in the collar, and a second extension from the opposite end of the collar adapted to pass in through one opening in the collar on the opposite side and then out through another opening, and to be then brought back and tied to the end of the other extension.

2,246,036
DEVICE FOR CLEANING VENETIAN BLINDS
Basil M. Farrell, Warren, Pa.
Application June 23, 1938, Serial No. 215,441
3 Claims. (Cl. 15—7)

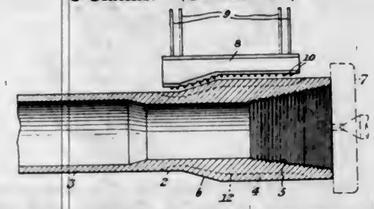


1. A portable device for cleaning the louvers of Venetian blinds, comprising a hollow head having an inlet and an outlet end, means for connecting said outlet end to an exhaust line, a plug embraced by said inlet end, a pair of closely spaced jaws embracing said plug and extending outwardly therefrom, a rotary brush shaft journaled in the extremity of each of said jaws and at its opposite end in said plug, a cylindrical brush carried by each of said brush shafts and adapted to engage the opposite sides of the louver to be cleaned, intermeshing gears fast to said brush shafts and compelling them to rotate in unison, said plug being provided with an opening for conducting the dust laden air from between said jaws into said head and through said exhaust line and means housed entirely within said head for rotating said brushes.

2,246,037
PROCESS FOR THE MANUFACTURE OF UNSATURATED ALDEHYDES
Milton Gallagher, Louisville, Ky., and Rudolph Leonard Hasche, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 5, 1940, Serial No. 359,932
8 Claims. (Cl. 260—601)

1. A process for producing unsaturated aliphatic carbonyl compounds which comprises passing mixed vapors containing formaldehyde and another lower aliphatic carbonyl compound containing only one oxygen atom and no other elements than carbon and hydrogen and having at least two hydrogen atoms attached to the carbon atom adjacent the carbonyl group, into contact with a mixture of relatively inert non-catalytic filling material with a condensation catalyst, at a temperature, at least part of the time, at which the reaction will take place under vapor phase conditions and water is split off, whereby an unsaturated aliphatic carbonyl compound is formed.

2,246,038
INTEGRAL JOINT DRILL PIPE
Herbert W. Graham, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 23, 1939, Serial No. 257,885
3 Claims. (Cl. 138—47)



1. An integral joint drill pipe section of metal having a Brinell hardness of between about 175 and about 300, the section having an outwardly projecting shoulder adjacent an end thereof, the metal at the outer surface of the section at said shoulder having a Brinell hardness of between about 375 and about 550.

2,246,039
PURSE HOLDER
Israel Greenstadt, Los Angeles, Calif.
Application July 6, 1939, Serial No. 283,121
1 Claim. (Cl. 312—140.4)



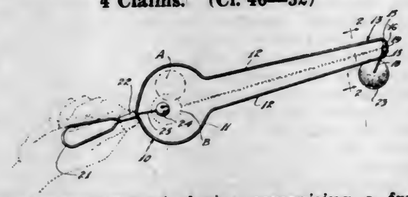
In a purse holder, a body including a back and a front, said front including sides and a bottom, said sides and bottom being folded and secured to said back to form accordion pleats, a binder connecting the edges of the back and the front and connecting the bottom of the back and the front, said back at the top portion being folded over to provide a loop, a metal member passing through said loop and adapted to support the holder beneath a counter, a grommet extending through each side edge of the back and front adjacent the bottom of the holder and adapted to receive a fastening means to hold the lower portion of the back in place, and a pair of arms, each of said arms including a bottom portion, side portions and outwardly extending end portions, said bottom portion and the lower part of said side portions of the arms being disposed on opposite sides of the bottom accordion pleat, and a pair of spring members including loop portions, said end portions of the arms being disposed in said loop portions, said spring members including ends engaging said arms and normally urging said arms together.

2,246,040
LAMINATED PILE FABRIC STRUCTURE
Lurelle Guild, Darien, Conn.
Application December 22, 1937, Serial No. 181,094
4 Claims. (Cl. 154—49)



4. A laminated carpet-like covering comprising pile fabric and a multiply backing therefor, said backing comprising a relatively thick and loosely packed padding forming a ground piece, a thinner upper layer of loosely packed padding united to said pile fabric, an intermediate fabric united to and positioned between said upper and lower padding layers, said intermediate fabric being close woven in a manner to prevent distortion of said covering diagonally as well as laterally and longitudinally, said backing being provided with perforations extending therethrough, said perforations being of sufficient width and spaced at intervals of sufficient frequency to reduce the stretching of said backing when said covering is rolled and to expedite the rolling of said covering.

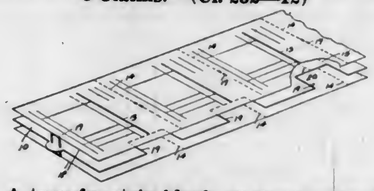
2,246,041
AMUSEMENT DEVICE
Joseph Halberstadter, Newark, N. J., assignor of one-half to Louis Halberstadter, Newark, N. J.
Application May 8, 1940, Serial No. 333,956
4 Claims. (Cl. 46—52)



1. An amusement device comprising a frame provided with loop, a member secured to and closing said loop, and provided with a transverse portion and with leg members tapered toward said transverse portion and connected thereto by curved shoulder portions, a collar rotatably positioned on the member intermediate the shouldered portions, said collar being provided with a peripherally recessed portion, and a cord provided, at one end, with a loop freely positioned in said recessed portion and adapted to have relatively free movement therein, a ball suspended from said U-shaped member and adapted to be rotated through said loop, and a member resiliently secured to said device and positioned in

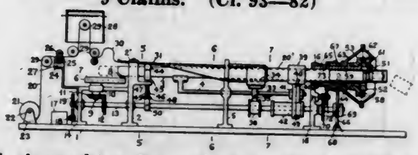
registry with the loop whereby by manipulating the device with a degree of skill the ball will be caused to rotate through the loop and strike the resiliently secured member.

2,246,042
TRANSFER STRIP FOR MANIFOLDING ASSEMBLY
George W. Hall, Lewiston, and Ferdinand H. Mosher, Niagara Falls, N. Y., assignors to American Sales Book Company, Inc., Niagara Falls, N. Y., a corporation of Delaware
Application December 10, 1938, Serial No. 245,026
8 Claims. (Cl. 282—12)



4. A transfer strip blank of sheet material for making a long continuous transfer strip for use in manifolding assemblies, said blank having longitudinally spaced transverse fold lines providing for folding it into a zigzag pack and dividing the blank into a longitudinal series of leaves, said blank also having longitudinally spaced transverse construction fold lines respectively spaced from said first mentioned fold lines, said blank being folded on said construction fold lines into a zigzag pack and having cut-outs in the plies of the pack aligned with each other depthwise of the pack.

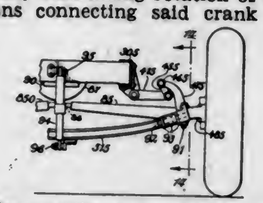
2,246,043
MACHINE FOR MAKING TUBES
Ferdinand Heinmets, Princeton, N. J.
Application October 3, 1940, Serial No. 359,492
9 Claims. (Cl. 93—82)



1. A machine for making tubes comprising a base, a mandrel slidably supported on the base, a cam-shaped member rotatively supported on the base operatively connected with the mandrel, means to rotate the cam-member, thereby reciprocating the mandrel, means to deliver a material to the mandrel, means to form a tube on the mandrel, means to move the tube forward when the mandrel is moved forward, means to retain the tube stationary during the return movement of the mandrel, and means to cut off the end portion of the tube at the end of the forward movement, the cam-member being so shaped as to cause the mandrel to remain stationary during the cutting-off operation.

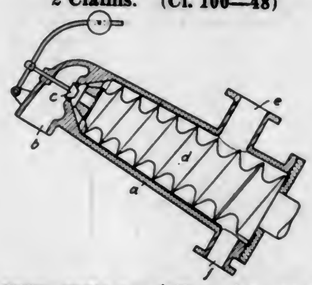
2,246,044
SPRING SUSPENSION FOR VEHICLES
Albert F. Hickman, Eden, N. Y., assignor to Hickman Pneumatic Seat Co. Inc., Eden, N. Y., a corporation of New York
Original application February 27, 1934, Serial No. 713,161. Divided and this application January 27, 1940, Serial No. 315,985
12 Claims. (Cl. 267—57)

1. A vehicle spring suspension comprising: a frame; a spindle having a wheel journalled thereon; a crank arm pivoted on said frame; means for resiliently restraining rotation of said crank arm; means connecting said crank arm with



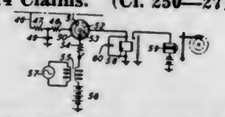
said spindle; a radius rod pivotally connected at one end with said frame; and a vertical pivot pin at the opposite end of said radius rod; and means for pivotally connecting said radius rod and spindle through said vertical pivot pin.

2,246,045
WORM PRESS
Gerhard Hirschberg, Leverkusen-I. G. Werk, Germany, assignor, by mesne assignments, to Walther H. Duisberg, New York, N. Y.
Application August 13, 1938, Serial No. 224,671
In Germany August 19, 1937
2 Claims. (Cl. 100—48)



1. A worm press consisting of a casing and a worm rotatably arranged therein, said casing being provided with feeding and discharge devices, one discharge device being arranged at the rear lower portion of the casing, the feeding device being positioned at the upper portion of said casing a distance in front of aforesaid discharge device at least equal to the longitudinal distance between two adjacent threads and another discharge device provided with a weighted valve being arranged in the front portion of the casing, the inner wall of said casing being provided with longitudinal grooves, the threads of said worm decreasing towards the last mentioned discharge device.

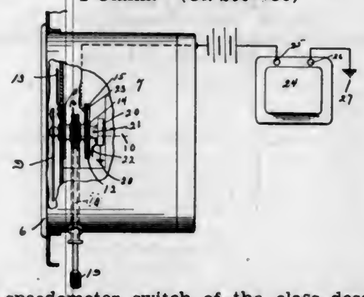
2,246,046
TIMING MECHANISM
William H. T. Holden, Long Island City, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 23, 1939, Serial No. 263,583
14 Claims. (Cl. 250—27)



4. The combination in a timing mechanism of a condenser, a source of charging current for charging said condenser to a predetermined value in a desired interval of time, a gas-filled tube having a control gap and an anode gap, a discharge circuit including said condenser and said

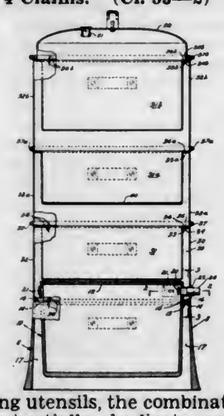
control gap for maintaining said control gap ionized as long as said condenser remains charged to a predetermined value, an anode circuit including the anode gap of said tube, means for causing a current discharge to occur across the anode gap in response to ionization of said control gap, a resistance in the discharge circuit for limiting the amount of discharge taken from said condenser, and a source of alternating potential for quenching the discharge in said anode gap.

2,246,047
SIGNAL SWITCH FOR SPEEDOMETERS
Richard R. Jackson, Baltimore, Md.
Application February 2, 1937, Serial No. 123,594
1 Claim. (Cl. 200—56)



A speedometer switch of the class described, comprising a pair of spaced discs, a sleeve secured to said discs, said sleeve and discs mounted on a speedometer shaft, an indicating arm carried by one of the discs, a contact plate on the other of said discs, a boss keyed to the shaft, a contact point on said boss and normally engaging the plate of the last named disc, means for controlling the disc for movement into various fixed positions, an indicating hand carried by the speedometer shaft whereby upon the aligning of the hand and arm the switch will be closed for the purpose specified.

2,246,048
COOKER
Quincy C. James, Pasadena, Calif., assignor of one-fourth to James T. Barkelew and one-fourth to John R. Pratt, both of Pasadena, Calif.
Application February 24, 1940, Serial No. 320,623
4 Claims. (Cl. 53—2)

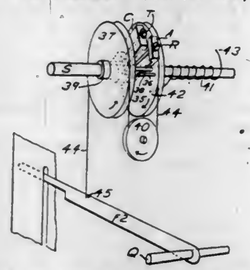


3. In cooking utensils, the combination of a plurality of substantially duplicate pot structures, one resting on another, each said structure comprising an exterior heat jacket annular in form, open at both top and bottom, and having upper and lower edges, an inturned perforated flange at one of the edges of the jacket, and an interior pot annularly spaced within the heat jacket and having a circumferential out-turned perforated flange adapted to supportingly engage the inturned jacket flange in such manner that the perforations of the two engaging flanges are adapted to register, the lower edge of each heat jacket except the lowermost being supported on the flange of the pot next below it, and each pot flange projecting externally of the adjacent heat jackets so as to be manually engageable for rotation relative to its corresponding heat jacket flange to adjust the registration of the flange perforations.

2,246,049
PROCESS OF PREPARING GLYOXAL
Heinrich Lange, Frankfort-on-the-Main-Hochst, Germany, assignor, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 27, 1939, Serial No. 276,227. In Germany June 8, 1938
8 Claims. (Cl. 260—601)

1. In the process of preparing glyoxal the step which comprises heating 1 mol of glyoxal-tetracetate with at least 4 mols of an aliphatic monohydroxy alcohol and at least 4 mols of water in the presence of a non-oxidizing acid stronger than acetic acid.

2,246,050
AUTOMATIC MEANS FOR TURNING ROTATABLE CONTROL SHAFTS TO PREDETERMINED POSITIONS
Le Roy J. Leishman, Los Angeles, Calif.
Application June 21, 1937, Serial No. 149,442
16 Claims. (Cl. 74—10)

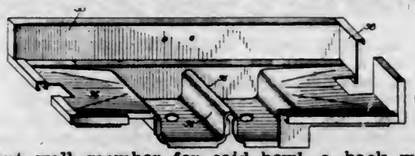


1. A combination including: a plurality of movable control members; electrically operable means for moving said members; a plurality of electrically responsive means, each individual to one of said members, for stopping said members each at a pre-determined position; and a plurality of electrical switches, each of which is electrically connected to one of the electrically responsive means associated with one of said members and to one of the electrically responsive means associated with the other of said members.

2,246,051
STAINLESS CLAD SINK
Freeland H. Leslie, Chicago, Ill.
Application February 9, 1939, Serial No. 255,362
17 Claims. (Cl. 4—187)

1. An assembled sink built up of a plurality of members comprising, a bed member of sheet

metal forming a bottom and two opposite side walls of a bowl and integral therewith as an extension of one of said side walls a drain board, a



front wall member for said bowl, a back wall member for said bowl, and means joining the front and back wall members to the bed member to form a drain board sink.

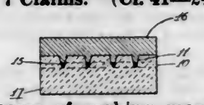
2,246,052

PROCESS OF MAKING MOSAIC

Joseph A. Madala, Chicago, Ill.

Application November 22, 1940, Serial No. 366,597

7 Claims. (Cl. 41—24)



4. The process of making mosaic comprising forming a clay block, forming a desired design in the upper portion of the clay block with substantially deep grooves separating areas, adding burnable cement to the bottoms of the grooves, covering the upper design bearing portion of the clay block with a high temperature cement, turning the new block so formed upside down with the backing as a bottom support, cutting away the now upper excess portion of the clay block down to the inner ends of the areas bound together by the burnable cement, firing the article so formed to burn away the burnable cement leaving interstices between the former areas forming segments, adding suitable elements for color and glaze to the segments and firing the same for the finished product.

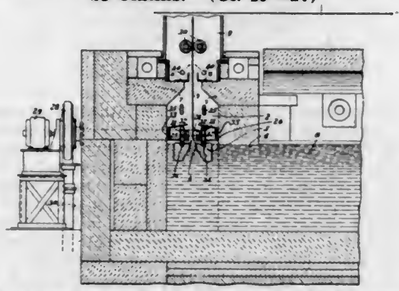
2,246,053

MANUFACTURE OF DRAWN GLASS

Pete Magrini, Belle Vernon, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application May 4, 1938, Serial No. 205,959

25 Claims. (Cl. 49—17)



1. Apparatus or drawing sheet glass comprising a drawing chamber having a bath of molten glass therein, means for drawing a sheet of glass vertically from said bath, an exhauster for exhausting gases from said chamber, and means cooperating with said exhauster for circulating a gas in contact with both faces of the glass sheet from one edge thereof to the other edge thereof adjacent the meniscus.

17. In the method of forming a glass sheet by continuous drawing from a chamber containing a bath of molten glass, the steps comprising forming the sheet by drawing it vertically from the bath, supplying a gas to the chamber, said gas being cooler than the rising glass sheet adjacent the meniscus, and circulating said gas in contact with both faces of the glass sheet from one edge thereof to the other edge thereof through a confining passageway adjacent the meniscus, whereby the circulated gas and the rising glass sheet are shielded from stray gas currents and the circulated gas is prevented from escaping from adjacent the meniscus during its travel across the rising sheet.

2,246,054

FOOD CUTTER

John M. Marty, Parma, Ohio

Application February 21, 1939, Serial No. 257,679

11 Claims. (Cl. 146—124)



1. An apparatus for cutting or disintegrating food products comprising a base member, a vessel secured to said base member, a shaft extending into said vessel to a point adjacent the top thereof and disposed eccentrically thereto, a cutting head operatively connected with said shaft and rotatable therewith and having an upper pair of blades and a lower pair of blades, said lower pair of blades being disposed immediately adjacent the bottom of said vessel and having the outer ends thereof upturned, the outer ends of said lower pair of blades being disposed so as to extend to a point immediately adjacent the junction of the bottom and side walls of said vessel at one side thereof, said upper pair of blades being shorter than the lower pair of blades, said vessel being generally cylindrical in shape and being disposed at an angle to the horizontal.

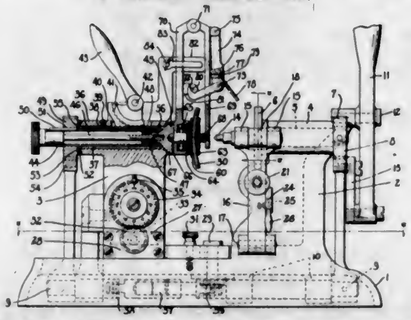
2,246,055

LENS CUTTING MACHINE

Albert E. Maynard, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application April 25, 1938, Serial No. 204,028

6 Claims. (Cl. 33—28)



1. A work holder for use with a device of the

character described having a rotary work support with attaching means having a hollow portion to receive said work holder, said work holder having means for holding work therein and having a tapered portion adapted to extend within the hollow portion of the work support and means for connection with said attaching means when in this position.

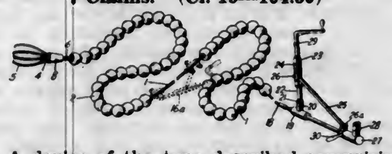
2,246,056

SEWER OPENER

Lewis G. McKenzie, Columbus, Ohio, assignor of one-half to Henry Maess, Columbus, Ohio

Application February 3, 1938, Serial No. 188,537

7 Claims. (Cl. 15—104.30)



1. A device of the type described comprising a cable, a gripping tool secured to one end of said cable and embodying a plurality of movable gripping members, means for stiffening said cable and simultaneously moving said gripping members into operative position, said means comprising a plurality of members surrounding said cable and adapted to be moved longitudinally thereof, means for forcing said members tightly into contact with each other, and springs for forcing said gripping members into inoperative position as soon as said last-named means is rendered inoperative.

2,246,057

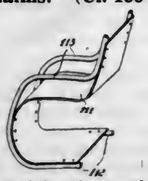
FURNITURE

Karl Michaelis, The Hague, Netherlands, assignor to Thomas V. Michaelis, New York, N. Y.

Application June 30, 1936, Serial No. 88,194

In Germany August 28, 1935

4 Claims. (Cl. 155—54)



1. A chair comprising in combination, a unitary sheet of material, preferably of wood, extending substantially over the width of the chair and being shaped to form a U-structure including a ground portion, an upwardly extending supporting and connecting portion and a rearwardly extending seat portion, an upward extension of said sheet of material forming a back rest portion, arm rests extending from said back rest portion into contact with said supporting and connecting portion, and bracing means associated with some of said portions.

2,246,058

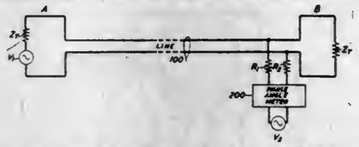
COMPENSATION FOR VARIATIONS IN PHASE CHANGE

Newton Monk, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 21, 1939, Serial No. 257,674

9 Claims. (Cl. 178—44)

9. A transmission line over which alternating current is transmitted, the current undergoing a change in phase between separated points in said line, said phase change normally varying with variation in the atmospheric conditions surrounding said line, and means to maintain said phase change substantially constant regardless of



variation in said atmospheric conditions, said means comprising substantially equal impedances at each end of the line, each impedance being large in comparison with one-half the series impedance of the equivalent T-network of the line.

2,246,059

COMPOSITION OF MATTER

Robert C. Moran, Wenonah, William L. Evers, Moorestown, and Everett W. Fuller, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application February 1, 1940, Serial No. 316,778

4 Claims. (Cl. 252—53)

2. An improved mineral oil composition comprising a petroleum oil of relatively high boiling point normally tending to deteriorate by oxidation when heated and in admixture therewith a small proportion, sufficient to retard said deterioration and depress the pour point of the oil, of a triaryl phosphite in which at least one of the aryl radicals has at least one relatively long chain alkyl substituent of the general order corresponding to paraffin wax.

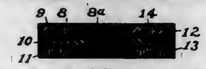
2,246,060

BATTERY TERMINAL PROTECTOR

Joseph A. Newhouse, Waterloo, Iowa

Application July 3, 1940, Serial No. 343,796

1 Claim. (Cl. 173—259)



The combination with an electric battery terminal traversing an aperture of a battery receptacle, of a centrally apertured tier of absorbent substances in layers separated by slightly flowable viscous tar coatings and the layers from the top downwardly also coated by tar in completely incasing them therewith, the tar also insulating said layers from the battery receptacle and the electric terminal, the respective layers of substances impregnated by different kinds of insulating substances, consisting in the uppermost block of light mineral oil, the medial block saturated by tar, and the lowermost block impregnated by an insulating alkaline neutralizing agent.

2,246,061

PROCESS AND APPARATUS FOR MAKING BEVERAGES

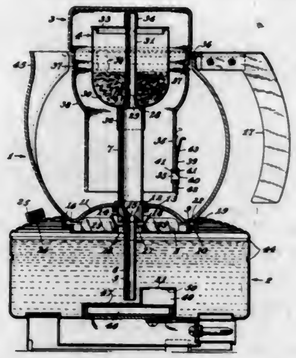
Roger L. Nowland, New York, N. Y.

Application April 9, 1938, Serial No. 201,025

13 Claims. (Cl. 53—3)

1. Apparatus for making liquid beverages comprising means for bringing water to a boil, a receptacle for beverage matter, means for pouring the water over the matter in the receptacle, means for applying automatically a differential

pressure to the liquid which has passed over the matter to submerge the matter in it while permitting the liquid to remain at a temperature below boiling, means for causing intermittent



flow of the liquid through the beverage matter while the beverage matter is submerged in the liquid, and means for disabling the differential pressure applying means to withdraw the matter from the liquid.

2,246,062

TITANIUM DIOXIDE COMPOSITE PIGMENT AND METHOD OF MAKING SAME

Walter W. Plechner, Metuchen, N. J., and Hugh V. Alessandroni, New York, N. Y., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application June 16, 1938, Serial No. 214,046

3 Claims. (Cl. 134—58)

1. A process for the preparation of a composite titanium dioxide-calcium sulfate pigment possessing improved low oil absorption and "break" which comprises dry mixing calcined titanium dioxide with calcined calcium sulfate until a uniform mixture is obtained and then subjecting this mixture to a pulverizing milling treatment, in a mill of the ring roll type.

2,246,063

METHOD OF PRODUCING REFRACTORY LININGS OF CENTRIFUGAL CASTING MOLDS

Heinrich Projahn, Gelsenkirchen, Germany, assignor to United States Pipe and Foundry Company, Burlington, N. J., a corporation of New Jersey

No Drawing. Application November 16, 1938, Serial No. 240,643. In Germany February 3, 1938

1 Claim. (Cl. 22—65)

A process for the production of refractory linings of rotary molds for use in centrifugal casting, consisting in introducing into a mold casing loose, dry, granular, refractory material, forming a granular lining by rotating said mold casing to distribute said material and to hold the same in place by centrifugal force only, and forming at the inner surface of the granular lining, during the rotation thereof, a zone having greater resistance than the rest of the lining to the washing-away effect of the metal to be cast, said zone being formed by applying a binding agent to produce increased cohesion between the particles of the innermost layer of the granular lining.

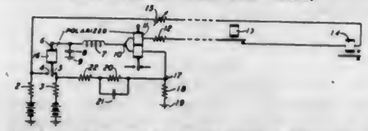
2,246,064

ELECTRICAL CONTACT PROTECTION

Wilton T. Rea, Flushing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 12, 1938, Serial No. 190,176

20 Claims. (Cl. 175—294)



1. A first electrode, a second electrode conditioned to engage with and disengage from said first electrode, and an electrode protecting device connected to said electrodes consisting of elements for impressing a transient voltage on said first electrode of a specific value at specific times, namely at the instants of said engagement and said disengagement, to match a steady voltage impressed on said second electrode, said device consisting of an induction coil and a single capacitative means, said capacitative means directly to ground.

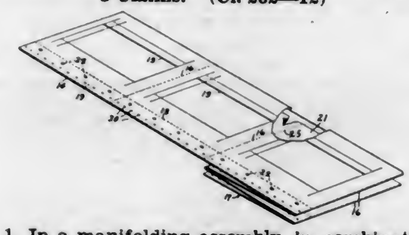
2,246,065

CARBON INTERLEAVED MANIFOLDING ASSEMBLY

Roy H. Ritzhaupt, Niagara Falls, N. Y., assignor to Gilman Fanfold Corporation, Niagara Falls, N. Y., a corporation of Delaware

Application June 29, 1939, Serial No. 281,838

3 Claims. (Cl. 282—12)



1. In a manifolding assembly, in combination, a long continuous record strip longitudinally folded in fanfold relation and having at least two relatively superposed record plies, each of said record plies having longitudinally spaced transverse weakened severance lines dividing the assembly into sets of relatively superposed record leaves, each of a plurality of said record plies of the fanfolded record strip having a longitudinal weakened severance line forming a longitudinally detachable band extending along each of the leaf sets and being provided with a continuous longitudinal row of longitudinally spaced pin feed apertures, said detachable bands being arranged in superposed relation and two adjacent bands being connected together by a longitudinal fold of the fanfolded strip and being otherwise free from attachment with each other, a long continuous transfer strip extending continuously substantially throughout the assembly length and interleaved in transfer relation with the record plies and providing transfer leaves between the record leaves for transfer inscription, said transfer strip having direct attachment with one only of said record plies at each of said leaf sets, said attachment of the transfer strip including attachment of a longitudinal marginal portion thereof at each of said leaf set to one of said longitudinal detachable bands that is connected by the longitudinal fold as aforesaid and being free from direct attachment with any other of said longitudinal bands, said attached longitudinal marginal portion of the transfer strip being positioned within said longitudinal fold of the fanfolded strips, and a selective grip formation at each said leaf set whereby one or more of the leaves thereof may be gripped to the exclusion of the others for effecting selective separation thereof.

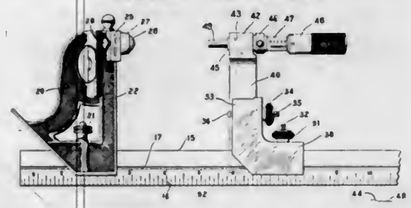
2,246,066

MICROMETRIC ATTACHMENT FOR COMBINATION SQUARES

Frank Rothe, Garfield, N. J.

Application June 11, 1940, Serial No. 339,879

2 Claims. (Cl. 33—165)



1. In a measuring tool having a blade and a pair of heads each adjustable therealong, one of said heads presenting a face at a right angle to the blade and provided with opposed outwardly extending lateral edges, a bracket engageable on said edges, means to secure said bracket in adjustment thereon, a socket formed on said bracket, a ball carried in the socket having a portion of its periphery extending therebeyond, and a micrometer mounted in the other of said heads in register with said ball.

2,246,067

ALLOY

Willard H. Rother, Buffalo, N. Y., assignor to Sumet Corporation, Buffalo, N. Y.

No Drawing. Application August 9, 1940, Serial No. 352,005

5 Claims. (Cl. 75—163)

2. An improved copper-lead bearing alloy in which substantial and relatively uniform dispersion of the lead throughout the copper is obtained, containing only copper, lead and silver, and in which the relative approximate proportions of copper and lead are in the ratio range beginning with copper 50 parts to lead 50 parts and ending with copper 75 parts to lead 25 parts, and the silver comprises greater than 0.05% and less than 10% of the whole alloy.

2,246,068

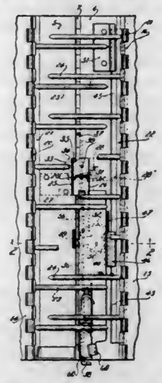
LOOSE-LEAF BINDER

John Schade, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts

Original application April 24, 1939, Serial No. 269,556. Divided and this application July 17, 1940, Serial No. 346,011

7 Claims. (Cl. 129—17)

1. A binder having a back portion including two hingedly connected plates, a set of prongs supported at the side edge of each plate, a slidable bar carrying one set for movement longitudinally of one plate, an operating slide associated with said plate and reciprocable relative to said plate to and from a normal and an extended position, members connecting said slidable bar and operating slide for transferring reciprocation from the slide to the bar, a handle for reciprocating the operating slide and means to selectively limit



the reciprocation of said slide to and from the normal position and a point intermediate of said normal and extended positions.

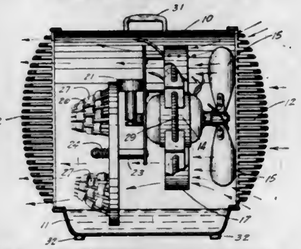
2,246,069

PORTABLE AIR CONDITIONER

Harry Schechtel and Marcus G. Wright, Denver, Colo., assignor, by direct and mesne assignments, to Edward Schechtel, Denver, Colo.

Application November 27, 1939, Serial No. 306,296

2 Claims. (Cl. 261—30)



1. An air conditioner comprising: a housing open at its extremities; a motor supported within said housing; a fan in said housing arranged to be driven by said motor to pass air through said housing; a water pan in the bottom of said housing; a humidifying wheel positioned laterally of said housing with its lower periphery immersed in said pan; segment-shaped flaps cut from the material of said wheel and inclined outward from one face thereof; absorbent material secured to said inclined flaps to absorb water from said pan; and means for driving said wheel from said motor.

2,246,070

MANUFACTURE OF BASIC SUBSTITUTED SHAPED MATERIALS

Paul Schlack, Berlin-Treptow, Germany, assignor, by mesne assignments, to Walther H. Duisberg, New York, N. Y.

No Drawing. Application August 4, 1936, Serial No. 94,197. In Germany August 8, 1935

2 Claims. (Cl. 8—113)

1. A process of introducing nitrogen into the molecule of textile materials or foils, said materials containing an easily replaceable hydrogen atom and comprising a substance selected from the group consisting of protein substances, resinous polyamides, mixed polymerizates comprising polyamides, cellulose xanthate-fatty acid

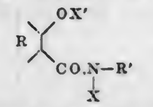
amides which process comprises impregnating said materials with a solution containing the product of reaction of a secondary amine and a compound selected from the group consisting of formaldehyde and condensation products which yield formaldehyde in reactive form, and heating the impregnated material for several hours in an atmosphere of from about 60 to about 90 per cent of relative moisture at a temperature of from about 40 to about 80° C., thereby reacting said textile materials or foils with an aminomethanol compound formed by the reaction of said secondary amine and formaldehyde and replacing said hydrogen atom by an aminomethylene group.

2,246,071
WATER-SOLUBLE CONDENSATION PRODUCTS

Heribert Schüssler, Cologne, Heinrich Morschel, Leverkusen - Wiesdorf, and Wilhelm Meiser, Munich, Germany, assignors to General Aniline & Film Corporation, a corporation of Delaware

No Drawing. Application October 4, 1939, Serial No. 297,864. In Germany October 15, 1938
7 Claims. (Cl. 260—507)

1. As new products water-soluble condensation products of the general formula:

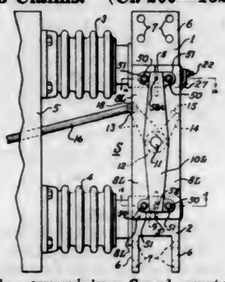


wherein R stands for an aromatic radical, R' stands for an aromatic radical selected from the group consisting of the benzene and naphthalene series, X stands for an acyl residue containing at least one water-soluble ionizing group selected from the class consisting of the carboxyl group, the sulfonic group and quaternary ammonium groups, and X' stands for an acyl residue.

2,246,072
SWITCHING MECHANISM

William M. Scott, Jr., Bryn Mawr, Pa., assignor to I-T-E Circuit Breaker Company, Philadelphia, Pa., a corporation of New Jersey

Application January 28, 1939, Serial No. 253,426
23 Claims. (Cl. 200—162)

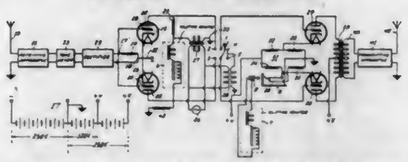


1. A switch comprising fixed contact structure, contact structure movable into and out of engagement therewith, an operating arm pivotally mounted on said movable contact structure, means operated by movement of said arm in one direction about its pivot to clamp said contact structures in closed circuit position, a latch movable with said movable contact structure and disengageably connecting it to said arm to preclude actuation of said clamping means, and an abutment for engaging said latch to release said arm for its pivotal movement in said one direction upon movement of said movable contact structure to predetermined closed circuit position and for cooperating with said latch upon subsequent reverse movement of said arm to initiate movement of said movable contact structure from said predetermined closed circuit position.

2,246,073
SIMPLEX AND DUPLEX TELEGRAPH SYSTEM

Arthur Z. Smith, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application January 21, 1939, Serial No. 252,165
9 Claims. (Cl. 178—58)

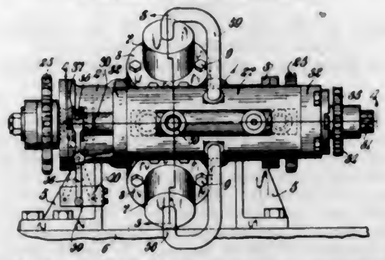


9. In telegraph systems, a source of incoming signals, a sender-printer and a resistance connected across said source, transmitting apparatus, a source of potential applied in parallel to said resistance and sender-printer, a relay connected to receive potential from said resistance, and means for connecting said relay to said transmitting apparatus.

2,246,074
MOTOR

Joseph F. Joy, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application February 14, 1938, Serial No. 190,412
6 Claims. (Cl. 121—121)

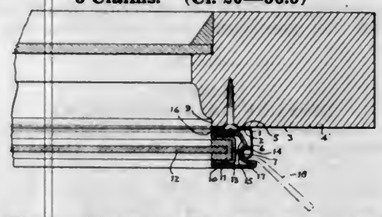


3. In a fluid actuated motor, in combination, means providing a plurality of expansible chambers, and means for effecting fluid distribution with respect to said chambers including means providing a valve chest, a rotary and longitudinally shiftable valve in said chest, said valve having cylindrical heads spaced by annular grooves from an intermediate body portion, and said intermediate body portion having diametrically opposite slots midway between cylindrical ends, passages connecting one of said grooves with one of said slots and the other of said grooves with the other of said slots, means for rotating said valve by power furnished by fluid acting in said expansible chambers, means for moving said valve longitudinally, passages leading to said expansible chambers communicating with said valve chest adjacent the longitudinal center thereof, a pair of fluid supply passages opening into said chest at points covered by the cylindrical ends of said valve body portion when the valve is in central position longitudinally of the chest, and fluid exhaust passages communicating with the valve chest at points between the ends of the valve chest and the points of communication with the valve chest of said supply passages.

2,246,075
DOUBLE GLAZING

Ernest E. Phillips, Leaside, Ontario, and Walter R. Packman, Toronto, Ontario, Canada; said Packman assignor to said Phillips

Application April 12, 1939, Serial No. 267,454
3 Claims. (Cl. 20—56.5)

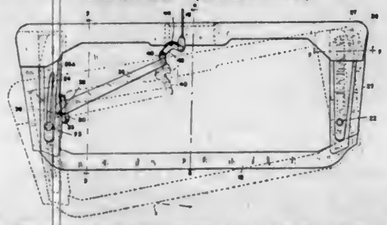


1. The combination with a standard sash, having its innermost surface disposed in a flat plane, of a double glazing frame to be applied flat over said innermost sash surface and formed with a sloping wedging surface about the perimeter, and resilient retaining members formed of strips of spring metal of substantial right-angular flanged form disposed in a rectangular frame formation and having one flange portion secured flat to the said innermost sash surface in such relation as to be overlapped and concealed by the said frame and having the other flange portion extending substantially perpendicular to said innermost plane forming a resilient frame continuously embracing the perimeter of said double glazing frame in resilient pressure-holding relation in contact with said sloping surfaces.

2,246,076
SWIVEL SEAT MECHANISM

Frank O. Riley, Pontiac, Mich., assignor to American Forging & Socket Company, Pontiac, Mich., a corporation of Michigan

Application August 15, 1938, Serial No. 224,930
4 Claims. (Cl. 155—14)

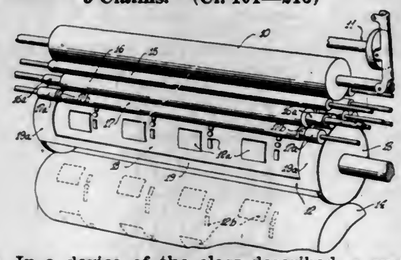


3. In combination with a support and a seat assembly having a base and a hinged back swingable forwardly from its normal upstanding position at the rear of the base, means for movably supporting the seat assembly including a pivot portion allowing swinging movement of the seat assembly about a substantially vertical axis located near one end thereof, guide means near the other end of the seat assembly for guiding movement of the same concentrically about such axis, latch means cooperating with such guiding means to releasably hold the seat assembly against such swinging movement, means responsive to movement of said hinged back for operating said latch means, said latch means including a dog movable, in a path fixed with respect to the support, to and from a position to block movement of the seat assembly about said axis, said operating means including a link connected at one end to said hinged back and actuable thereby to operate the dog, the other end of said link having lost motion connection with both the dog and the support.

2,246,077
PRINTING PRESS

John S. Rogowski, Chicago, Ill., assignor of one-third to Saul Kahn and one-third to Helen Kahn, both of Chicago, Ill.

Application December 18, 1939, Serial No. 309,882
5 Claims. (Cl. 101—216)



3. In a device of the class described, a system of inking and inked rollers including at least four rollers arranged in serial peripheral contact for rotation together, at least the last two rollers of the series being frictionally driven, one from another, the outermost roller of the remaining two of the series being adapted to receive ink from a supply source, means for reducing slippage between the frictionally driven rollers, comprising the provision of uniformly inset peripheral surface portions on the roller engaging said outermost roller and which are out of contact with the latter so as to receive no ink therefrom and which inset portions are thereby incapable of transferring ink onto correspondingly positioned portions of said last two frictionally driven rollers.

2,246,078
VALVE MADE OF COBALT-NICKEL-CHROMIUM-IRON ALLOY

Wilhelm Rohn, Hanau - on - the - Main, Franz Bollenrath, Berlin-Johannisthal, and Heinrich Cornelius, Berlin-Adlershof, Germany

Application December 24, 1938, Serial No. 247,697, which is a division of application Serial No. 221,394, July 26, 1938. Divided and this application October 23, 1939, Serial No. 300,840. In Germany July 31, 1937
2 Claims. (Cl. 123—188)



1. Valve for internal combustion engines made of an alloy consisting of from 50 to 70% together of cobalt and nickel with at least 10%

cobalt and at least 0.05% nickel, from 6 to 25% chromium, from 0.05 to 15% metals of the group consisting of molybdenum and tungsten, from 0.05 to 30% iron, and from 0.05 to 15% of metals of the group consisting of titanium, zirconium, thorium, vanadium, columbium and tantalum, of which valve the head consists of a material annealed at a temperature above the temperature at which the valves are used, and of which the stem consists of the same material hardened by cold working.

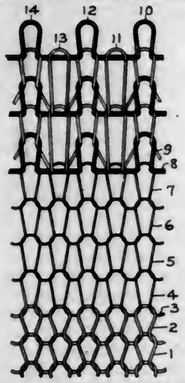
2,246,079

METHOD OF KNITTING

Eugene St. Pierre, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application November 28, 1938, Serial No. 242,665

4 Claims. (Cl. 66—172)



1. A method of knitting connected articles as in string work including the knitting of separating courses in continuation of the last knitted stitches of a preceding article, and in continuation of said separating courses, a second article having at the beginning edge thereof, a selvage including a course of non-elastic yarn and an elastic yarn passing through all sinker loops in said course, and in continuation, courses of non-elastic yarn with which, at spaced intervals, elastic yarn is incorporated in such a manner that upon raveling in the direction of knitting, any one of said courses with which the elastic is incorporated will present a selvage.

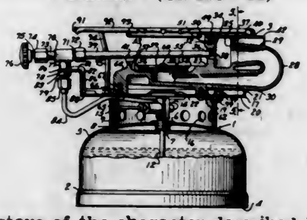
2,246,080

PORTABLE STOVE

Boyd W. Tullis, Wichita, Kans., assignor to The Coleman Lamp and Stove Company, Wichita, Kans., a corporation of Kansas

Application January 29, 1940, Serial No. 316,105

7 Claims. (Cl. 126—44)



1. A stove of the character described including a fount, a base plate, a spacing collar seated on the fount and supporting the base plate to form a substantially enclosed air space below said base plate, means anchoring the base plate and the spacing collar to the fount, a fitting in said space and having rigid connection with the fount, a burner having rigid support on the base plate and provided with a Bunsen, a generator tube having a tip discharging into the Bunsen, means carried by the Bunsen for centering the tip of the generator tube, a valve fixed to the opposite end of the generator tube, a bracket on the base plate supporting the valved end of the generator tube, means anchoring the generator tube to the bracket for maintaining the generator tube in aligning registry with the centering means, and a flexible duct connecting the fount fitting with the valve.

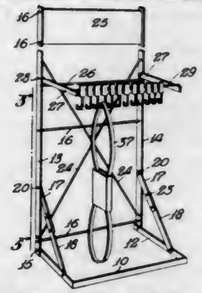
2,246,081

DISPLAY RACK FOR BELTS

Verle Van Nattan, Denver, Colo., assignor to The Gates Rubber Company, Denver, Colo., a corporation of Colorado

Application June 15, 1940, Serial No. 340,713

1 Claim. (Cl. 211—13)



A display rack for belts and the like, comprising, a horizontal support rod and a plurality of hooks suspended therefrom, for free pivotal movement thereon, the hooks having their upper ends bent reversely into the shape of an inverted U, one side being longer than the other, the two sides having each a recess for the reception of the rod, a member attached to the spaced sides to close the open sides of the recesses to enclose the rod, the lower end of the longer side having a lateral extension forming a support for belts, said extension projecting substantially parallel with the axis of the rod, the end of the lateral extension terminating adjacent the lower end of the longer side of the adjacent hook which forms a closure therefor, the hooks being pivotally movable to apply and remove belts therefrom.

2,246,082

PREPARATION OF ALKYL HALIDES

William E. Vaughan and Frederick F. Rust, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application August 22, 1939, Serial No. 291,365

15 Claims. (Cl. 260—662)

6. The process of manufacturing alkyl halides of the group consisting of ethyl chloride and ethyl bromide from a mixture of saturated aliphatic hydrocarbons gaseous under operating conditions and ethylene, which comprises subjecting said hydrocarbon mixture to reaction with a halogen of the group consisting of chlorine and bromine temperature above about 225° C., but below the temperature at which substantial degradation occurs, thereby obtaining products of halo-substitution of the saturated hydrocarbons to the substantial exclusion of products of halogenation of ethylene.

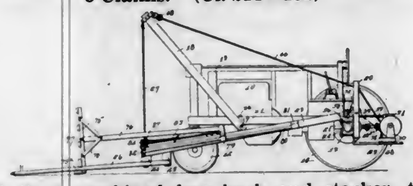
2,246,083

HAY BUCK AND STACKER

Peter H. O. Weber, Dunlap, Iowa, assignor of one-half to George V. Gorham, Dunlap, Iowa

Application September 18, 1939, Serial No. 295,407

8 Claims. (Cl. 214—131)



1. In a combined hay buck and stacker, the combination of a pivot-supporting bracket adapted to be attached to each end of a tractor axle housing, a rake having rearwardly-extending and spaced-apart beams, means pivoting the rear end of each of said beams to a corresponding one of said pivot brackets, a guide supported longitudinally on one side of each of said beams, an upright frame supported on the tines of said rake, mounted to move longitudinally thereof and having rearwardly-extending arms, means slidably connecting the rear ends of said arms on said guides, a cross bar adapted to be carried by the under side of a tractor frame, an upwardly and forwardly inclined gin frame adapted to straddle the forward end of a tractor having its ends pivoted to the corresponding ends of said cross bar, depending means connecting the apex end of said gin frame to the back end of said rake, adapted to elevate said rake as the top end of said gin is moved upwardly and rearwardly, a cable drum, a cable carried by said drum having one end connected to the apex end of said gin for imparting said swinging movement thereto, and means actuated by power derived from a tractor for actuating said cable drum.

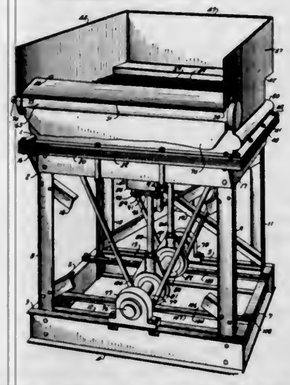
2,246,084

JIG

Charles E. Wood, Milwaukee, Wis.

Application October 3, 1938, Serial No. 233,001

7 Claims. (Cl. 209—457)



1. A jig including a supporting frame, a pulsating chamber, a movable diaphragm substantially conforming in size to the horizontal section of the pulsating chamber, a shaft rotatably supported on the frame below said diaphragm, eccentrics on said shaft, means connecting the eccentrics with the diaphragm, brace members connected with the diaphragm on opposite sides of said eccentrics, leaf-like resilient members having ends connected with opposite sides of said frame, and means connecting the brace members with center portions of said leaf-like resilient members to maintain horizontal relationship of said diaphragm during actuation of said eccentrics.

2,246,085

COMPOSITION AND PROCESS FOR SOFTENING LEATHER, PAPER, AND TEXTILE MATERIALS

Luther B. Arnold, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 23, 1938, Serial No. 192,162

5 Claims. (Cl. 134—11)

4. An aqueous paste comprising 1 to 50 parts of urea and 1 part of a mixture obtained by the conjoint sulfation of a normal primary aliphatic alcohol of at least 8 carbon atoms and a higher petroleum hydrocarbon.

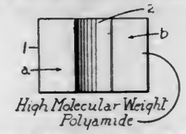
2,246,086

BEARING

Paul R. Austin, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application January 8, 1940, Serial No. 312,965

4 Claims. (Cl. 308—238)



1. A machine bearing provided with a bearing surface which comprises a high molecular weight polyamide, and which is capable of operation with and without a lubricant, and which is characterized by low abrasive action against moving parts, said polyamide being derived from polyamide-forming material of the class consisting of amino-carboxylic acids and mixtures of polyamines with polycarboxylic acids.

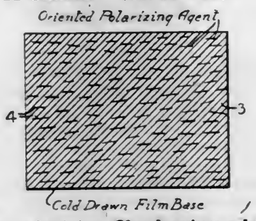
2,246,087

FILM

Emerson Dudley Bailey and Merlin Martin Brubaker, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application September 30, 1938, Serial No. 232,684

11 Claims. (Cl. 88—65)



1. A plane polarizing film having a high degree of transparency for polarized light and comprising a light-polarizing substance dispersed

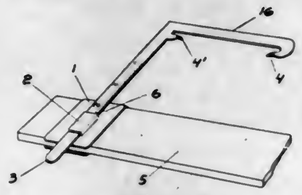
throughout light-transmitting, high molecular weight synthetic linear polymer which has been extended under stress in the solid unoriented state with the polarizing substance contained in the solid polymer to a state of permanent high linear extension and molecular orientation of the polymer and of the polarizing substance in the direction of the stress, said plane polarizing film exhibiting a high degree of permanent orientation up to temperatures approaching the melting point of the polymer.

2,246,088

RULER ATTACHMENT FOR FACILITATING THE DRAWING OF PARALLEL LINES

Ernst Alfred Clementz, Linkoping, Sweden

Application April 28, 1939, Serial No. 270,616
In Sweden April 29, 1938
2 Claims. (Cl. 33—108)



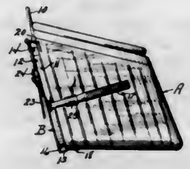
1. In a ruler attachment of the character described, an attachment means adapted to be slidably mounted on the ruler in the direction of length of the latter, guide means provided on said attachment means and extending substantially transversely to the direction of the sliding movement of the same, a bar means slidably mounted in said guide means, graduation means provided on said bar means and adapted to be compared with an indication means provided on the attachment means, a pointer means provided on said bar means, and an intermediate bar means connected with the end of the first mentioned bar means and provided at its free end with another pointer means positioned at the same distance from the ruler edge as the first mentioned one.

2,246,089

LANDING NET CARRIER

Marion N. Davis, The Dalles, Oreg.

Application February 29, 1940, Serial No. 321,558
4 Claims. (Cl. 43—31)



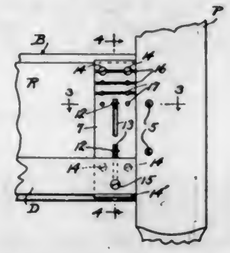
1. A landing net carrier for a fishing basket having a flat-walled body, comprising spaced cheeks, a connecting bottom following the lowermost edges of said cheeks, fastening means projecting from one cheek at the lowermost portion thereof and engaging the body, a hanger member anchored within the body and passed through one of the cheeks, a buckle carried at the outer side of the outermost cheek, and an adjustable fastening strap depending from the hanger and engageable with said buckle.

2,246,090

BED RAIL LOCK

John J. Filer, Houston, Tex., assignor of forty-five per cent to Ike Shapiro and ten per cent to Abe Levy, both of Houston, Tex.

Application April 2, 1940, Serial No. 327,531
1 Claim. (Cl. 5—296)



The combination with a bed-post and bed rail having registering slots therein, pins disposed in the bed-post and bed rail and crossing the slots therein, a hook slidably mounted on the pins in the bed rail and having slots in its outer end for receiving the pins in the bed-post, a plate, fastening elements securing the plate to the bed rail, said plate having vertically arranged slots therein, and the outer ends of the pins of the bed rail being flattened and engaging the slots, a ledge formed on the plate, a sub-rail resting on the ledge and fastening elements securing the sub-rail to the bed-rail, such fastening elements passing through one of the slots.

2,246,091

KEY CHAIN CONSTRUCTION

William Forstner, Irvington, N. J., assignor to Forstner Chain Corporation, a corporation of New Jersey

Application April 25, 1939, Serial No. 269,941
2 Claims. (Cl. 24—3)



2. In a key chain, a flexible chain of elongated length normally looped at the center to provide two substantially adjacent end portions, a key retainer secured to one end portion, a pull element secured to the other end portion, a garment attaching device having a chain channel portion of arcuate shape and extended length and slidably receiving the chain loop, and a friction grip

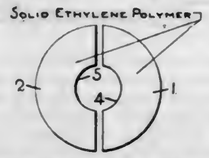
element comprising compressed cork having non-linear passages extending therethrough and slidably frictionally receiving said substantially adjacent chain portions.

2,246,092

BEARING

Lucius Gilman, Arden, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application July 26, 1940, Serial No. 347,739
9 Claims. (Cl. 308—238)



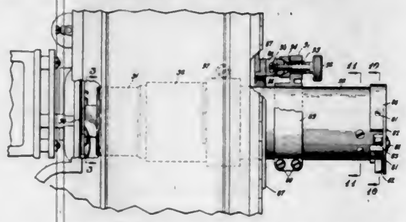
1. A machine bearing comprising a solid polymer having a continuous carbon to carbon chain and which softens at temperatures above 90° C.

2,246,093

PROJECTION OF PICTURES IN COLORS

Otto C. Gilmore, Van Nuys, Calif., assignor to Cosmocolor Corporation, Jersey City, N. J., a corporation of Delaware

Application October 27, 1937, Serial No. 171,311
20 Claims. (Cl. 88—16.4)



1. In a device for projecting two pictures in superposed relation upon a screen, from a film on which the two pictures appear in side by side relation and on their sides within a single frame, the combination of two completely separate objective lens systems, one for each image, erecting prism means for turning both images into their upright positions, and baffles surrounding the path of the light beams between the objective lens system and the erecting prism means, said baffles being arranged to prevent the passing of stray light from the lens systems to the erecting prism means.

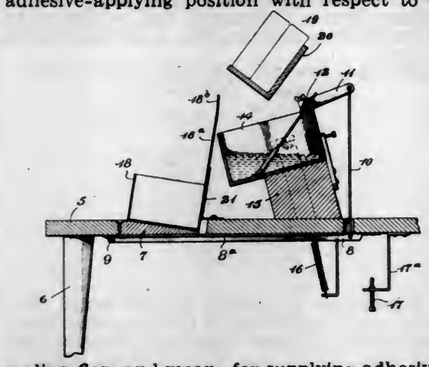
2,246,094

CARTON SEALER

Russell F. Glazebrook, Richmond, and Lucious Vaughan, Highland Springs, Va., assignors to Larus & Brother Co., Inc., Richmond, Va., a corporation of Virginia

Application December 13, 1938, Serial No. 245,522
9 Claims. (Cl. 91—41)

8. In a machine for packaging and sealing cartons, a movable member adapted to support a carton in an upright open position whereby it may be loaded and with a sealing flap exposed, an adhesive applicator movably mounted within range of said sealing flap, means connecting said applicator with said movable carton supporting member whereby when the latter is actuated the applicator will be moved to and from adhesive-applying position with respect to said



sealing flap, and means for supplying adhesive to said applicator.

2,246,095

COATING COMPOSITION

Stuart Graves, Lansdowne, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 16, 1937, Serial No. 180,246
4 Claims. (Cl. 260—39)

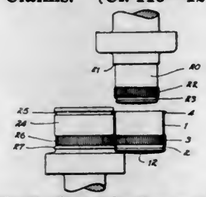
1. An enamel yielding substantially non-yellowed films upon baking which comprises pigment consisting preponderately of titanium pigment, polyhydric alcohol-polybasic acid resin containing in substantial amount the acid radicals of fatty acid having an iodine number below 100, and urea-formaldehyde-monohydric alcohol resin containing said alcohol in combined form in amount from about one-half to about one molecule of alcohol for each molecule of urea and yielding upon treatment with zinc chloride and acetic anhydride the acetate of said alcohol, said pigment being present in amount of from 75% to 125% of the weight of the vehicle contained in said enamel.

2,246,096

METHOD OF CLOSURE MANUFACTURE

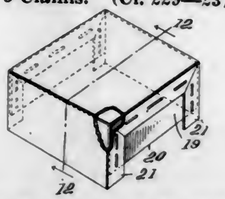
Emerson E. Hogg, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application November 8, 1939, Serial No. 303,430
16 Claims. (Cl. 113—121)



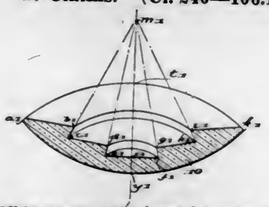
1. In a method of producing a reinforced and figurate closure from a cup-like metallic shell, the steps which comprise pressing the shell inwardly intermediate the ends thereof to form a circumferential zone capable of being collapsed under pressure, and applying pressure to said shell in the direction of the longitudinal axis thereof, whereby the wall portion at said zone is collapsed and the wall adjacent said zone toward the open end of the shell is simultaneously flared outwardly.

2,246,097
FIBERBOARD CONTAINER
Abraham Illges, Columbus, Ga., assignor to Belsinger, Inc., Atlanta, Ga., a corporation of Georgia
Application June 11, 1938, Serial No. 213,250
5 Claims. (Cl. 229—23)



1. A container comprising an open ended liner section, a top section, and a bottom section, said top and bottom sections telescoping the open ends of the liner section with their opposed edges in abutting relation, and each said top and bottom section being composed of two U-shaped members having the bases of the U's in face-to-face engagement and the legs of the U's projected individually in the same general direction to collectively form an open rectangular single thickness wall structure for telescopically receiving the respective liner section end, thereby providing a container having a double wall portion at top, bottom and all four sides, and the outer U-shaped member of each top or bottom section having edge flange extensions overlying and secured to the legs of the other U-shaped member of the same section, said members being composed of corrugated material, the corrugations of the flange equipped member being disposed to parallel the flanges, and the corrugations of the other member being disposed transversely of the corrugations of the flange equipped member, and the legs of one U-shaped member of one section being longer than the legs of the U-shaped member of the other section which they oppose whereby to provide interlocking wall-strengthening portions.

2,246,098
LENS AND THE MANUFACTURE THEREOF
Georg Jaeckel, Berlin-Lichterfelde, Germany, assignor to the firm Sendlinger Optische Glaswerke G. m. b. H., Berlin-Zehlendorf, Germany
Application September 8, 1939, Serial No. 294,031
In Germany March 20, 1936
10 Claims. (Cl. 240—106.1)



1. A concavo-convex lens having steps on the concave side, the surfaces of the steps in cross section forming arcs of circles about a common center, and step-connecting surfaces in cross section all radial to said center.

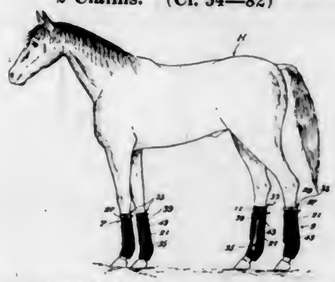
2,246,099
RAIL TOOL
Kunsaku Kanai, Bosler, Wyo.
Application May 21, 1940, Serial No. 336,458
1 Claim. (Cl. 254—43)

A rail adjusting tool comprising a pair of substantially U-shaped, rigid jaws adapted to straddle the balls of a pair of longitudinally aligned rails, the bight portions of said jaws adapted to rest on top of the rail balls with the sides of said jaws engageable with the sides of said rail balls, inturned hooks on one end of the rigid jaws engageable beneath the rail balls, vertically aligned spaced eyes on the other ends of the jaws, vertical pins mounted in said eyes, horizontal arms journaled on said pins between the eyes, a bearing on one end of one of the arms, a



threaded sleeve on one end of the other of said arms, said bearing and sleeve being longitudinally aligned and substantially paralleling their respective arms, a screw shaft threadedly engaged in the sleeve and including a smooth portion journaled in the bearing, and means for securing said screw shaft against longitudinal movement in the bearing, said screw shaft constituting means for moving the rigid jaws toward or away from each other.

2,246,100
HORSE SOCK
Bruno Marzani, Jessup, Pa.
Application July 5, 1939, Serial No. 282,894
2 Claims. (Cl. 54—82)



1. A horse sock for bracing the fetlock joint and tendons of horses comprising a two-way stretch elastic web substantially rectangular in shape, means for securing the longitudinal marginal portions of the web together, a semi-rigid concave joint engaging portion having an integral upwardly extending tendon engaging extension secured to the outer side of said elastic web intermediate its ends, two-way stretch elastic webbings on the outer side of the web extending substantially the length of the semi-rigid tendon engaging portion, each having their outer longitudinal marginal portions secured to the longitudinal marginal portions of the web and their inner longitudinal marginal portions secured to the sides of the semi-rigid tendon engaging portion, and an inner two-way stretch elastic webbing of substantially the length of the semi-rigid tendon engaging portion disposed centrally in the sock with the longitudinal marginal portions thereof secured to the longitudinal marginal portions of the web.

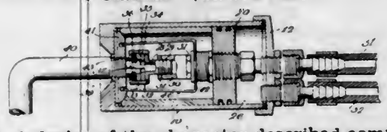
2,246,101
FLOOR COVERING
Frederick L. McEnany, Bridgeport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 14, 1938, Serial No. 185,039
1 Claim. (Cl. 154—49)

In a floor covering highly flexible strips of laminated material which form an assembled unitary structure for application as a dampproofing floor covering and which is capable of being folded and of being bent at right angles to continue the covering from the floor to the side walls, said strips comprising a tread layer of non-cellular rubber, a layer of fabric attached to



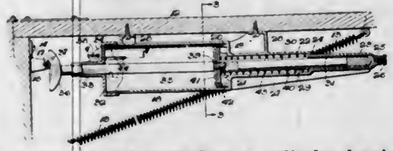
said rubber layer, a bottom layer of thin copper foil, a sponge rubber layer which is of substantially greater thickness than the above mentioned other layers and which is positioned between said fabric layer and layer of copper foil, and a layer of cement between said sponge rubber layer and said layer of copper foil.

2,246,102
TIRE INFLATING DEVICE
Owen L. McGrann, Omaha, Nebr.
Application March 15, 1939, Serial No. 262,072
5 Claims. (Cl. 284—19)



1. A device of the character described comprising, a cylinder, an air supply stem extending through said cylinder, a chuck head connectable with said supply stem and adapted for contact with a valve stem, one end of said supply stem projecting beyond said cylinder and having connection with an air pressure supply, means carried by said cylinder for locking the same on a valve stem, said means including vertically disposed spaced dogs, a piston slidably disposed on said supply stem, means interposed between said piston and said dogs for urging said dogs into locking engagement with said valve stem upon actuation of said piston, and spring means mounted on said stem for returning said dogs to normal position.

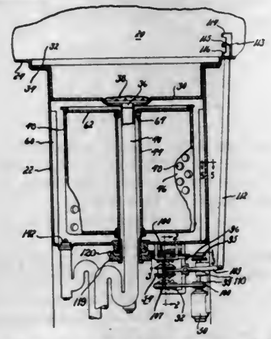
2,246,103
DOOR CHECK
Richard Micek, Pryor, Colo.
Application May 13, 1940, Serial No. 334,913
5 Claims. (Cl. 16—84)



1. A door check including a cylinder having a barrel at the rear end thereof reduced to provide a jacket having a bearing sleeve projecting forwardly therefrom within the barrel, a rod slidable in said sleeve, a piston carried by said rod to coact with the cylinder, means at the rear end of the jacket for choking the egress of air behind the piston, and a spring disposed within the barrel about the projecting portion of said sleeve to be supported thereby for urging the piston forwardly.

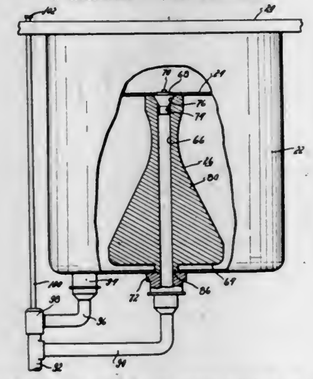
2,246,104
WASHING APPARATUS
Francis John Osuch, Grosse Pointe, Mich.
Application November 22, 1938, Serial No. 241,818
4 Claims. (Cl. 68—13)

1. A device of the character described comprising a tub, a sink pan nested in the upper portion of said tub and having an outlet drain, and agitating means in said tub for agitating a washing fluid, said agitating means having a



hollow portion in axial alignment with said outlet drain and in axial alignment with an opening in said tub and extending between said outlet drain and said opening to facilitate drainage from said sink pan.

2,246,105
WASHING APPARATUS
Francis John Osuch, Grosse Pointe, Mich., assignor to Robot Products Corporation, Detroit, Mich., a corporation of Michigan
Application November 22, 1938, Serial No. 241,819
2 Claims. (Cl. 68—13)

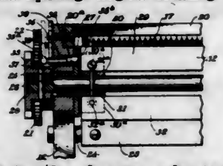


1. Washing apparatus comprising a tub having an opening, a drain pipe positioned in said opening and extending upwardly into said tub, a sink positioned in the upper part of said tub and having a drain outlet, and hollow agitating means surrounding said pipe and having a portion directly thereover and in communication with said drain outlet.

2,246,106
DOUGH FORMER
Sylvester Patt, Willoughby, Ohio
Application March 25, 1940, Serial No. 325,895
1 Claim. (Cl. 308—24)

Improved mounting means for holding trunnions of rollers and the like in open slot-like formations in the frame of a dough forming machine comprising flanged sleeves, freely rotatably receivable on the trunnions, having openings formed in peripheral parts of the

flanges, the sleeves having an external size permitting fitting into the slot-like formations of the frame; and spring-urged sliding latch mem-



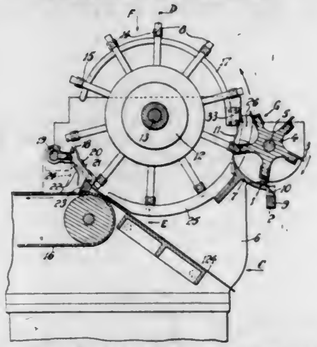
bers mounted in the frame, adapted to engage with the peripheral openings in the sleeve flanges whereby the sleeves can be removably held within the formations in the frame.

2,246,107

DEVICE FOR DETECTING AND SEPARATING DEFECTIVE CIGARETTES

Félix Frédéric Ruau, Deptford, London, England, assignor to Molins Machine Company, Limited, Deptford, London, England

Application October 14, 1939, Serial No. 299,542
In Great Britain October 28, 1938
5 Claims. (Cl. 209—79)



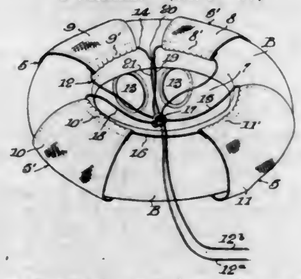
1. A testing device for testing the consistency of the filling of cigarettes and separating defective cigarettes from the others, comprising a movable carrier having a pair of feelers for opposite ends of a cigarette, at least one feeler of each pair being resiliently mounted and arranged to move inwardly toward the other, and yieldable means mounted for movement towards and away from the path of the resiliently mounted feeler and adapted to move the latter towards the other feeler should the distance between the feelers be greater than a predetermined distance.

2,246,108

SEAT ATTACHMENT FOR BUOYS

Louise L. Sermon, Duluth, Minn.

Application September 26, 1939, Serial No. 296,678
3 Claims. (Cl. 9—17)



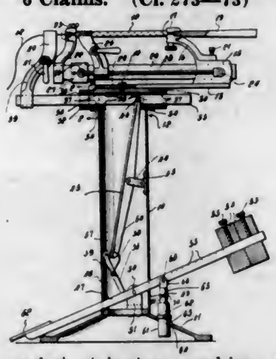
1. A seat attachment for a buoy comprising two elongated flexible strips centrally crossing each other and having their crossed portions secured together, said strips being of such width that said crossed portions alone form a seat, the ends of said strips being extended from said seat sufficiently to lie upon the buoy, extend downwardly at the periphery of said buoy and extend inwardly under the same, and tie means engaged with the ends of said strips for connecting them with each other under the buoy.

2,246,109

RACKET STRINGING MACHINE

Edmundo H. Serrano, St. Louis, Mo.

Application January 17, 1940, Serial No. 314,318
6 Claims. (Cl. 273—73)



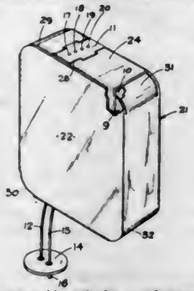
1. In a racket stringing machine, wherein a racket supporting head is mounted upon the upper end of a tubular post, string tensioning means including a rod slidable transversely of the upper end of the post beneath the head, a string gripper on one end of said rod, a substantially vertically disposed lever pivoted between its upper and lower end in the tubular post to the side wall thereof with the upper end of the lever pivotally attached to said slide rod and a weighted treadle bar extending transversely of the lower end of the post below the lower end of said lever and operatively engaged with the lower end of said lever.

2,246,110

HEARING-AID BATTERY

Robert G. Sidnell, Berea, Ohio, assignor to General Dry Batteries, Inc., Cleveland, Ohio, a corporation of Ohio

Application October 22, 1940, Serial No. 362,233
2 Claims. (Cl. 136—109)



2. A battery unit of the character described comprising an inner casing generally rectangular in shape and having rounded corners and provided with upstanding side and end walls, said side and end walls being cut away at the corner

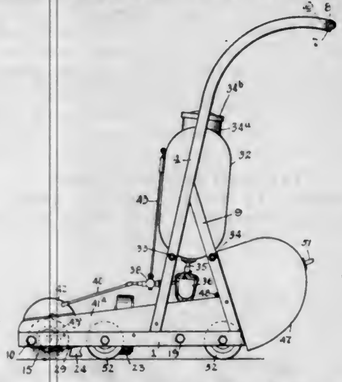
portions thereof, a plurality of cylindrical dry cells disposed within said inner casing and electrically connected with each other, there being a cell disposed at each of the corners of said casing and having a portion of the side walls thereof projecting through the adjacent cutaway portion, a terminal socket connection electrically connected with said cells, an outer carton of the same general shape as said inner casing and receiving the same therewithin, said outer carton having flaps at the corner portions thereof engaging the exposed portions of the corner cells, said corner cells serving to impart a rounded contour to the corner portions of said outer carton, said outer carton having an opening therein disposed over said terminal socket connection and rendering the same accessible, and connections leading from said terminal socket connection adapted for connection with another battery.

2,246,111

SCRUBBING MACHINE FOR FLOORS AND FLOOR COVERINGS

Victor C. Snyder, Cleveland, Ohio, assignor to The French Renovating Company, Cleveland, Ohio, a corporation of Ohio

Application August 2, 1938, Serial No. 222,658
4 Claims. (Cl. 15—50)



1. In a scrubbing machine for floors and floor coverings, a frame of generally rectangular configuration, a rotatable brush journalled in the forward portion of said frame, a hood over said brush, fluid distributing means mounted over said brush and within said hood, a suction nozzle immediately to the rear of said hood, a suction fan in communication with said nozzle, a motor having its drive shaft connected at one side to said fan and having the other side of said drive shaft connected to reduction gearing, said reduction gearing being connected to a chain sprocket, said nozzle, fan, motor, gearing and sprocket being mounted upon a bar extending transversely of said frame, said bar being adjustably mounted with respect to said frame.

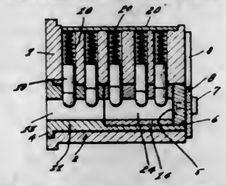
2,246,112

CYLINDER LOCK

Robert A. Speer, Detroit, Mich.

Application August 1, 1940, Serial No. 349,272
2 Claims. (Cl. 70—419)

1. In a cylindrical lock, a body having a bore passing therethrough, said body having a longitudinally extending row of holes therein, plungers in the holes, springs for pressing the plungers inwardly, a sectional cylinder rotatably arranged in the bore and the sections of which have holes therein for receiving the plungers when the holes in the two sections are in alignment and the cylinder turned to register the holes with the plungers, one section being supported for rotary movement in the other section, and



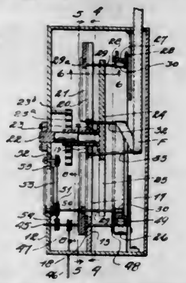
said other section having an opening therein for receiving the hole carrying part of said one section with said hole carrying part of smaller width than said opening to permit a certain amount of rotary movement of the sections relatively to each other.

2,246,113

REEL FOR PICTURE MACHINES

Joseph K. E. Sunell, Hempstead, N. Y., assignor of forty-nine per cent to Dominick Santora, Hempstead, N. Y., and twenty-five and one-half per cent to Emil Nikolaus Nilsson, Franklin Square, N. Y.

Application June 7, 1938, Serial No. 212,343
5 Claims. (Cl. 88—18.7)



1. A film winding device, comprising means for winding the film, consisting of a fixed disk formed with radial slots, a plate connected to the same and having slots registering with the forementioned slots, guides connected to the rear plate, a revoluble disk having arcuate slots corresponding with the forementioned slots, shafts extending through the slots, slides connected to the shafts and operating in the guides, rollers also carried by the shafts, a drum within which the rollers operate, rollers supporting the drum, and a shaft journaled in the device and having engagement with the drum, said shaft having a pulley adapted to be connected to the power.

2,246,114

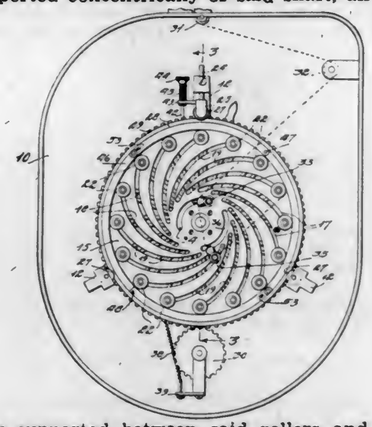
REEL FOR PICTURE MACHINES

Joseph K. E. Sunell, Hempstead, N. Y., assignor of forty-nine per cent to Dominick Santora, Hempstead, N. Y., and twenty-five and one-half per cent to Emil Nikolaus Nilsson, Franklin Square, N. Y.

Application June 1, 1939, Serial No. 276,879
6 Claims. (Cl. 88—18.7)

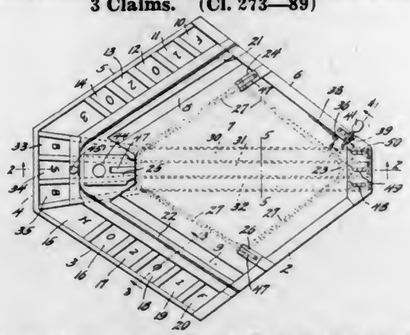
1. In a device of the kind described, a fixed plate having radial guides thereon, a rotary plate having cam grooves cooperating with said guides, means supporting said fixed plate, a shaft extending centrally of the fixed plate and having

the remaining plate rotatable therewith, film supporting rollers having guide portions in the fixed and radial guides, an outer ring rotatably supported concentrically of said shaft, an inner



ring supported between said rollers and outer ring, guide means directing a film strip between said rollers and inner ring, and means for releasably securing the inner ring within the outer ring.

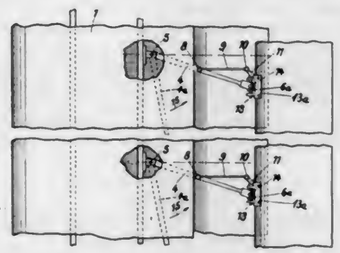
2,246,115
GAME
Carl F. Volz, Berwyn, Md.
Application January 16, 1940, Serial No. 314,175
3 Claims. (Cl. 273—89)



1. A game, comprising a flat playing surface having a base ball diamond marked thereon with pockets arranged around the out fields indicating the various plays of a base ball game, a spring operated bat adjacent the home plate and adapted to swing cross the same, a pocket beyond the home plate and of a width equal thereto representing strikes, a pocket on each side of the strike pocket representing balls, and a spring operated means for projecting a ball towards said ball and strike pockets, whereby the ball may be hit and driven into any of the pockets indicating the various plays.

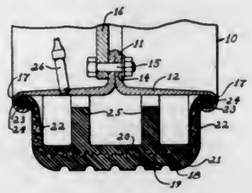
2,246,116
AIRPLANE WING STRUCTURE
Herbert Wagner and Franz Villinger, Dessau, Germany, assignors to Junkers Flugzeug-und-Motorenwerke Aktiengesellschaft, Dessau, Germany, a corporation of Germany
Application October 27, 1938, Serial No. 237,250
In Germany October 28, 1937
10 Claims. (Cl. 244—42)

1. An airplane wing structure comprising a main wing, an auxiliary wing adapted to be moved rearwardly therefrom, a plurality of arms each pivoted at one extremity on the main wing, a pin extending through the opposite extremity of each arm, the axes of the pivoted extremity of each arm and of the pin extending through the opposite extremity of the latter being angularly disposed in two directions so that the said axes produced never intersect, bearings carried by the auxiliary wing, another pin in each bearing, a



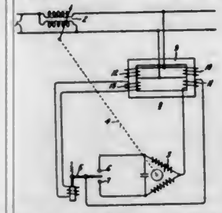
body from which each other pin projects, and one of the first named pins extending through each body whereby pivotal movement of the arms about their axes on the main wing is adapted to move the auxiliary wing rearwardly and to progressively increase the pitch of said auxiliary wing until the latter reaches it rear position, and whereby continued movement of the arms after said rear position is reached continues to increase the pitch of the auxiliary wing.

2,246,117
TIRE AND RIM ASSEMBLY
William G. Wallace, Burwell, Nebr.
Application November 24, 1939, Serial No. 305,808
2 Claims. (Cl. 152—158)



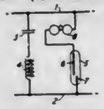
1. A vehicle tire and rim assembly including a hollow tire member of substantially greater width than thickness having a yieldable tread portion of substantially flat transverse cross section and opposite side wall portions formed in substantially angular relationship with respect to and of substantially less width than said tread portion, beads on the free edges of said side wall portions projecting outwardly relative to the central portion of said tire, a rim member confining the space between said side wall portions and having beads encompassing the beads of said tire member in hermetically sealed relation with respect thereto, means mounted on said rim for admitting fluid to the interior of said assembly, and spaced yieldable flanges between the side walls of said tire formed integrally with said tread portion and extending inwardly from the latter to locations spaced from said rim member, said flanges being disposed in planes normal to the axis of said rim for yieldably opposing movement of said tire tread toward said rim when said tire is deflated.

2,246,118
SUPPLY SYSTEM FOR ELECTRICAL REGULATORS
Harry R. West, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application September 7, 1938, Serial No. 228,764
7 Claims. (Cl. 171—119)



1. In a regulator system, a regulating relay, an operating motor whose operation is controlled by said regulating relay, and a transformer for energizing said relay and said motor, said transformer having a unitary core provided with two sets of windings each of which contains a primary winding and a different secondary winding, one secondary winding being connected to said relay and the other secondary winding being connected to supply operating current for said motor.

2,246,119
TELEPHONE PARTY LINE WORKING
Robert H. Badgley, Morris Plains, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 29, 1940, Serial No. 354,683
5 Claims. (Cl. 179—87)



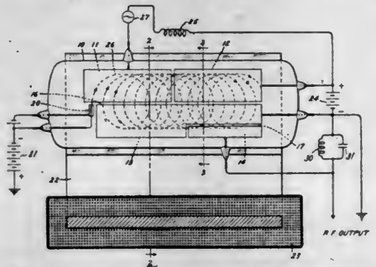
1. In a telephone system, a party line having a plurality of subscriber stations connected thereto, a relay at each said station responsive to a different frequency alternating current, said relay comprising a trigger tube having as one electrode thereof a magnetic reed positioned to reduce the gap between said reed and another electrode sufficiently during vibration of said reed to cause ionization of said tube, said reed being tuned to respond to a stimulus provided by said particular frequency alternating current, and signaling means connected to said line by said relay.

2,246,120
SUPPORTING ATTACHMENT FOR TABLES AND THE LIKE
Vincent Biska, Niles, and John F. Baas, Chicago, Ill.
Application May 22, 1939, Serial No. 274,922
2 Claims. (Cl. 248—226)



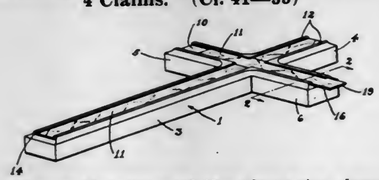
1. An attachment of the class described made from a single piece of spring wire bent centrally to form one jaw of a spring clamp adapted and arranged to engage over the edge of a table or the like and rest flat against the underside thereof, the sides of said clamp jaw being bent downwardly and outwardly and then upwardly to extend above the top of the table, then toward each other to contact and be secured together, then inwardly and divergently and then outwardly and downwardly to form the other spring clamping jaw in parallel relation with said first mentioned jaw, the ends of said wire being then extended inwardly and divergently, formed into coiled spring hinges, and then outwardly to the edge of the table, then toward each other into contact and inwardly and divergently to form a downwardly swinging supporting frame.

2,246,121
HIGH FREQUENCY APPARATUS
John P. Blewett, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application May 24, 1940, Serial No. 337,043
6 Claims. (Cl. 179—171)



1. In combination, means for generating a stream of moving charges, means for causing the stream to follow a path of generally trochoidal character, modulating means acting on the stream at an initial portion of its path to produce high frequency variations in the stream velocity, and means coupled to a portion of the stream previously affected by the said modulating means for abstracting energy therefrom.

2,246,122
ORNAMENTAL CROSS STRUCTURE
Raymond F. Brennan, Attleboro, Mass.
Application July 15, 1940, Serial No. 345,559
4 Claims. (Cl. 41—35)



2. A cross structure of the character described comprising opposed, upright and transverse arm sections, which are provided upon one side with longitudinally extending recessed areas of substantially uniform width located between their corresponding lateral edges, aligned shoulders located adjacent to the lateral edges of opposed sections on opposite sides of said recessed areas and projecting outwardly from said areas, said shoulders being provided upon the inner faces thereof with oppositely positioned grooves located adjacent to the recessed areas formed in the sections, ornamental strips each of substantially uniform width throughout slidably mounted in the opposed grooves formed in said shoulders and having their central longitudinal areas located in proximity to said recessed areas, and means positioned within opposed grooves adja-

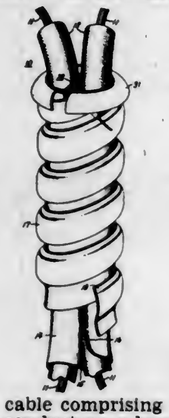
cent to the free ends of said arm sections and outwardly of said strips for holding the outwardly located free end portions of said ornamental strips securely in position relative to the arm sections.

2,246,123
TUBE
Otto Johannes Bruun, Copenhagen, Denmark
Application August 6, 1938, Serial No. 223,462
In Germany August 20, 1937
4 Claims. (Cl. 221—60)



1. A collapsible tube consisting of a tubular body of lead provided with an inside and outside coat of tin, said body being provided with a shoulder forming an opening of reduced diameter, the lead of said body being exposed along the edge of the body surrounding said opening, a nozzle provided with a flange, said flanged nozzle consisting of tin, said nozzle being fused to the tin coat on the shoulder of said body, said nozzle projecting through said opening, whereby contact between the goods contained in the tube and said exposed lead is avoided.

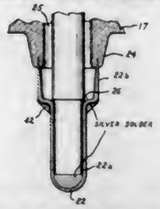
2,246,124
ARMORED CABLE CONSTRUCTION
George Carlson, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application August 23, 1938, Serial No. 226,265
2 Claims. (Cl. 174—109)



1. An armored cable comprising a plurality of insulated electric conductors, a longitudinal strip of insulating material, said insulated conductors being twisted together around said material to form an S-shaped wrap closely engaging the outer peripheries of said conductors and having a central portion positioned between said conductors and a helical metallic armor closely engaging and surrounding said S-shaped wrap and insulated conductors.

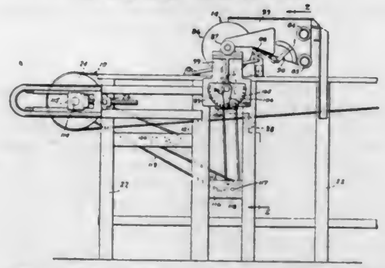
2,246,125
ELECTRIC DISCHARGE DEVICE
Thomas G. Crawford, Glenville, N. Y., assignor to General Electric Company, a corporation of New York
Application April 1, 1941, Serial No. 386,350
4 Claims. (Cl. 250—27.5)

3. In an electric device of a type required to be subjected to elevated temperatures during the fabrication or use thereof, the combination which includes an envelope having a glass wall with an opening therein, an externally projecting hollow terminal post having an enlarged end portion sealed to the said glass wall in a region surrounding said opening, said terminal post also including a terminal-forming portion of relatively smaller diameter which is joined to said enlarged end portion by an annular transversely



extending wall part formed integrally with both the aforesaid portions, electric energy-translating means within said envelope, a member supporting said energy-translating means at least in part from the terminal-forming portion of said post, and an annular metal member closely surrounding said terminal-forming portion and externally joined by a fused metal joint to said portion and to the surface of said transversely-extending wall part.

2,246,126
APPLICATOR
Clarence J. Davies, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application June 5, 1939, Serial No. 277,555
12 Claims. (Cl. 91—49)

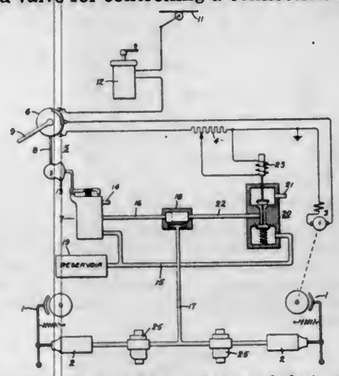


4. In combination, a travelling conveyor, a fluid supply means, an applicator roll adjacent said conveyor in cooperative relation thereto adapted to receive fluid from said fluid supply means, and control means responsive to the advance of an article on said conveyor to time the advance of fluid on said roll in relation to said article.

2,246,127
VEHICLE BRAKING SYSTEM
Horace A. Davis, Larchmont, N. Y., assignor to General Electric Company, a corporation of New York
Application July 18, 1940, Serial No. 346,156
3 Claims. (Cl. 303—3)

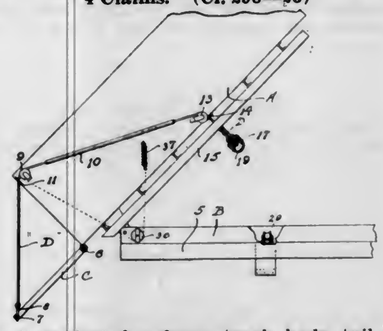
1. In a vehicle baking system, a friction brake, a spring normally biasing said brake to an application position, a fluid pressure operated motor for overcoming the force exerted by said spring so as to release said brake, a source of fluid pressure, an electrodynamic brake, means for controlling said electrodynamic brake, valve

means controlled by a condition of said electrodynamic brake for controlling a connection between said motor and said source and between said motor and atmosphere, a manually controlled valve for controlling a connection between



said motor and said source and between said motor and atmosphere, and a double check valve controlling the connection between said valve means and said motor and between said manually controlled valve and said motor.

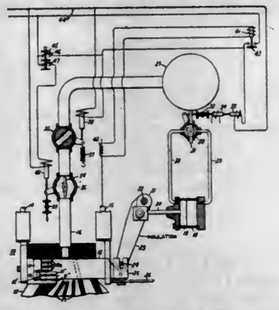
2,246,128
CONTROL FOR DUMP TRUCK TAIL GATES
Philip R. Fairbanks, Ogden, Utah, assignor of one-half to Ora Bundy, Ogden, Utah
Application April 11, 1940, Serial No. 329,186
4 Claims. (Cl. 298—23)



1. A control for dump truck body tail gates comprising, a flexible cable attached at each of the two upper corners of the tail gate and carried down the sides and under and across the bottom of the truck body in one continuous cable; sheave wheels to support and carry the cable around the truck body; and means mounted on the chassis frame to cause said cable to be overlapped when the body is lowered to the horizontal position thereby closing the tail gate.

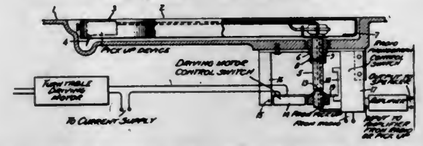
2,246,129
ELECTRIC CIRCUIT BREAKER
Francis E. Fairman, Jr., South Ardmore, Pa., assignor to General Electric Company, a corporation of New York
Application July 17, 1940, Serial No. 345,970
6 Claims. (Cl. 200—148)

1. In an electric circuit breaker of the fluid-blast type, a pair of relatively movable contacts separable to draw an arc therebetween, a source of fluid under pressure, means for introducing a blast of fluid from said source adjacent said relatively movable contacts for arc-extinguishing purposes, and means for controlling said fluid so as to provide a fluid blast of one initial intensity



adjacent said contacts when said circuit breaker is opened under abnormal current conditions and a fluid blast of a different initial intensity when said circuit breaker is opened under normal current conditions.

2,246,130
MOUNTING ARRANGEMENT FOR PHONOGRAPH TONE ARMS
Edward W. Forstrom, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application May 14, 1940, Serial No. 335,109
10 Claims. (Cl. 274—1)

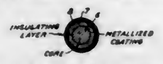


1. In a phonograph apparatus, a tone arm comprising a pickup portion at one end thereof, the upper surface of said arm and said pickup portion being flat, a casing having a flat upper surface and having a groove therein to receive said tone arm of the same shape and size as said upper surface of said tone arm and pick-up portion, supporting means for said tone arm comprising a vertical shaft journaled in said casing for swinging movement of said arm in the horizontal plane and in pivotal relation with said tone arm at the end thereof opposite said pickup portion for swinging movement of said arm in the vertical plane, and means operatively associated with said shaft adapted for maintaining said tone arm in operative position outside said groove and for locking said tone arm in non-operative position within said groove with said upper surface of said tone arm and pickup portion in alignment with said upper surface of said casing.

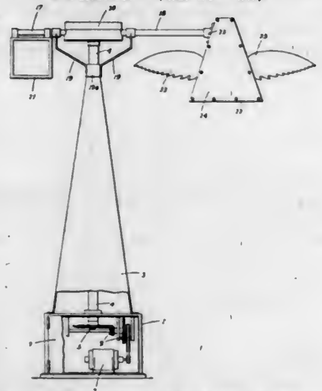
2,246,131
ELECTRON EMITTING BODY
Henricus Gooskens, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application June 12, 1940, Serial No. 340,162
In the Netherlands May 22, 1939
3 Claims. (Cl. 176—126)

1. A cathode for use at high temperatures comprising the combination of a metallic base structure, a layer of a glass-like material on the base structure, such material comprising a fused mix-

ture of a basic component provided by an oxide of the class consisting of zirconium, beryllium, lanthanum and thorium oxides and an acid component provided by an oxide of the class consisting of silicon and aluminum oxides, and a superficial coating on the said layer and covering substantially the entire active surface of the cathode, said coating comprising a fused mixture of a further quantity of the aforesaid glass-like material with a metallic constituent of the class consisting of tungsten and molybdenum.



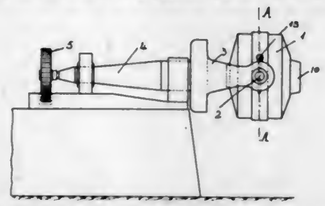
2,246,132
MECHANICAL SIGN
George Gordon, Sacramento, Calif.
Application July 18, 1939, Serial No. 285,059
8 Claims. (Cl. 40—33)



1. In a mechanical apparatus, a support, an element, means for mounting the element upon the support for movement in a predetermined path, a shaft, means rotatably mounting said shaft at one end on the support, driving connections between said end of the shaft and the movable element, separate means supporting the shaft adjacent its other end for movement in a path at substantially right angles to the path of movement of the element, and drive means arranged to simultaneously rotate said shaft and move same in its path of movement.

2,246,133
APPARATUS FOR RAPIDLY EFFECTING METALLURGICAL OPERATIONS
André Greffe, La Bathie, Savoie, France, assignor to Societe d'Electrochimie, d'Electrometallurgie et des Acieries Electriques d'Ugine, Paris, France, a corporation of France
Application March 8, 1939, Serial No. 260,578
In France March 15, 1938
4 Claims. (Cl. 266—34)

1. An apparatus for performing rapid metallurgical operations between molten metal and a reacting substance, comprising a vessel having a symmetrical elongated form and the transverse sections of which decrease as regards their respective areas from the middle part of the vessel toward the ends thereof, the said vessel being mounted in a fork on the free ends and between the arms of the same about a transverse axis which is perpendicular to the longitudinal axis of the vessel, the fork being supported by and prolonging a horizontal shaft adapted to be continuously rotated at a constant speed, the vessel being provided with a lateral opening at the level of the transverse section which possesses the greater area and in a plane passing through the

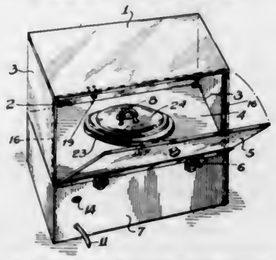


longitudinal axes of the vessel and of the shaft supporting the fork, means for rotating the vessel about its transverse axis to charge and discharge the vessel and means for locking it in its operative position to prevent its rotation about its transverse axis.

2,246,134
HEAT TREATMENT FOR ALUMINUM BASE ALLOYS
Richards H. Harrington, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application July 29, 1938, Serial No. 221,975
2 Claims. (Cl. 148—21.1)

1. The method of heat treating aluminum base alloys containing about 7% silicon, about 0.3% magnesium and the remainder substantially aluminum which comprises heating the alloy at a temperature of 530° C. for about two hours, quenching and reheating at 155° C. for at least ten hours.

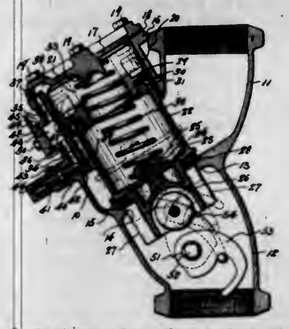
2,246,135
HAT SANITIZER
Jay Homer James, Los Angeles, Calif.
Application January 9, 1940, Serial No. 313,055
1 Claim. (Cl. 250—51)



In an apparatus of the class described, a chamber having glass walls mounted on a horizontal base member, a seat on said base member adapted to hold a hat in upright position simulating a position as worn by a person, an ultra violet light located within the central area of said hat seat in close association with the inside of the sweat band of a hat when on the said seat, a door opening in the said glass walled chamber and a glass door for said opening, said door hinged on the edge of said horizontal base, an electrical switch member located in the said glass walled chamber at the top of said door opening, contact switch members of the said switch spaced apart from each other leaving a gap between them and electrical conductor lines extending from said contact members around the said door opening and

down below said horizontal base member and connected to an electrical current switch located below the said base member, a contact switch member fixed to the top of said door and adapted to contact with and close to the aforementioned gap of the switch members located at the top of said door opening, thus closing that circuit switch as the door is closed and opening the said switch on the opening of said door.

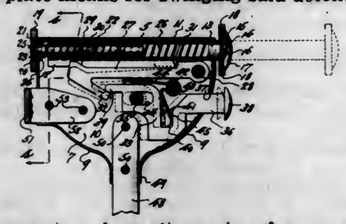
2,246,136
SELF-CLOSING VALVE
Howard C. Krone, Weehawken, and William Meyer, East Orange, N. J., assignors to A. W. Wheaton Brass Works, Newark, N. J., a corporation of New Jersey
Application July 20, 1940, Serial No. 346,562
4 Claims. (Cl. 251—138)



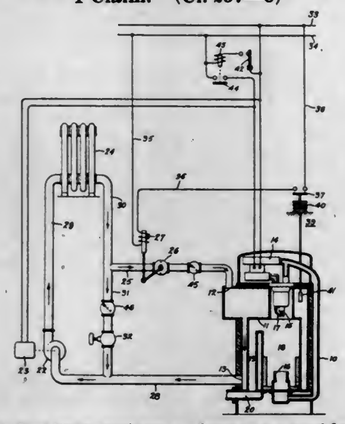
1. A self-closing valve of the slow-closing type comprising, a casing body having intake and outlet extensions and a valve port therebetween, a cylinder chamber provided in connection with said casing body in axial alignment with and above said valve port, a plunger carrying a valve means adapted to close said valve port and a piston means movable in said cylinder chamber, spring means to yieldably thrust said plunger in direction to close said valve port by the valve means carried thereby, means to provide a by-pass passage contiguous to a wall of said cylinder chamber, said by-pass passage communicating with said cylinder chamber above the piston means carried by said plunger, said cylinder chamber wall contiguous to said by-pass passage having diagonally disposed means of communication between the cylinder chamber and by-pass passage, said means of communication lying somewhat above the downward limit of movement of said piston means so as to be traversed by the latter, and means to manually raise said plunger and its valve means to valve port opening position.

2,246,137
GARMENT HANGER SUPPORTING MEANS
Abraham Levine, Elizabeth, N. J., assignor to Presto Lock Corporation, Garfield, N. J., a corporation of New Jersey
Application November 14, 1939, Serial No. 304,288
7 Claims. (Cl. 312—177)

1. An extensible garment hanger supporting means comprising, a hollow casing having a cylindrical upper portion forming a fixed support, a spring projected extensible support telescopically slidable in said fixed support, said extensible support having a stop means on its inner end portion, a yieldable detent member pivotally mounted in said casing beneath said extensible support, said member having a nosing at its free end to engage said stop means for holding said extensible support retracted within said fixed support, a spring retracted push-plate means slidably mounted within said casing, said detent member having a cam arm engageable by said push-plate means for swinging said detent member so as to release its nosing from said stop means with consequent release of said extensible support for extended projection from said fixed support, and said push-plate means having a push-piece exteriorly projecting from said casing for manually actuating the same.



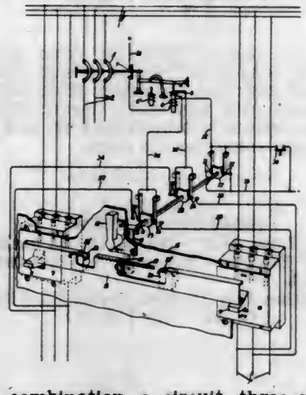
2,246,138
HEATING SYSTEM
Walter O. Lum, West Orange, N. J., assignor to General Electric Company, a corporation of New York
Application July 31, 1940, Serial No. 348,947
1 Claim. (Cl. 237—8)



In a heating system, a furnace provided with a combustion chamber and a receptacle for heat transfer fluid in heat conducting relation therewith, a fuel burner associated with said combustion chamber, inlet and outlet conduits connected to said receptacle, heat transfer means, means for normally causing heat transfer fluid to circulate through a fluid circuit including said outlet conduit, said heat transfer means, said inlet conduit, and said receptacle, a by-pass connecting said inlet and outlet conduits and arranged to shunt a portion of the fluid circuit including said receptacle, said by-pass having sufficient resistance to fluid flow therethrough so that a substantial portion of the circulating fluid normally flows through the portion of the fluid circuit including said receptacle, a valve in said inlet conduit between said receptacle and said by-pass, and means responsive to the temperature of the heat transfer fluid in said receptacle for controlling said valve, said last mentioned means functioning to close said valve and shunt heat transfer fluid around said re-

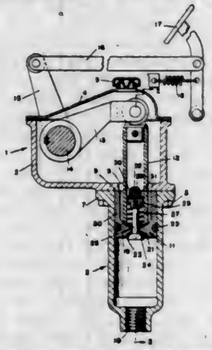
ceptacle through said by-pass when the temperature of the heat transfer fluid in said receptacle decreases to a value which results in condensation of the products of combustion given off by said fuel burner.

2,246,139
SWITCHING SYSTEM FOR ELECTRIC CURRENTS
Axel W. Lundstrom, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application June 11, 1940, Serial No. 339,929
9 Claims. (Cl. 171—97)



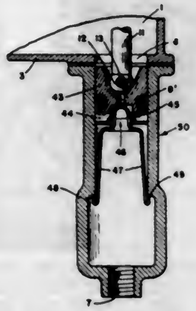
9. In combination, a circuit, three sources of electric current, a first switch for connecting said circuit to one of said sources, and means for connecting said circuit to either of the other two sources only when said first switch is open comprising two switches, and a control mechanism including movable means operative in one position to prevent a closing operation of both of said two switches and in either of two other positions to permit a closing operation of one or the other of said two switches only after effecting an opening operation of said first switch.

2,246,140
HYDRAULIC BRAKE
Frank L. Main, Birmingham, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application April 11, 1938, Serial No. 201,403
12 Claims. (Cl. 60—54.6)



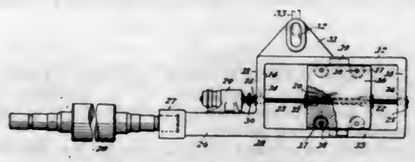
1. A master cylinder comprising a reservoir, a cylinder, a piston within said cylinder provided with a port for placing the portion of said cylinder at the pressure end of said piston in communication with said reservoir, a connecting rod having a hollow portion angularly movably connected to said piston, a valve for said port at the pressure end of said piston having a stem extending through said port and freely within said connecting rod hollow portion, a bar extending transversely through said connecting rod hollow portion, and fixed means adapted to be engaged by said bar during the final portion of the retractile movement of said piston to open said valve through said stem.

2,246,141
MASTER CYLINDER
Frank L. Main, Birmingham, Mich., assignor to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application April 18, 1938, Serial No. 202,790
5 Claims. (Cl. 60—54.6)



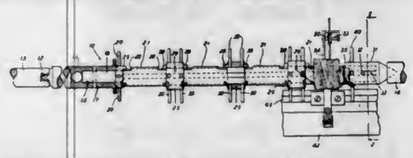
1. In a master cylinder, a reservoir, a cylinder communicating at one end with said reservoir and having at the other end a braking fluid port, a piston reciprocable within said cylinder having a port extending generally longitudinally through said piston, a valve having a tubular portion and a convex nose at one end of said tubular portion for closing said piston port, and tongues struck out from said tubular portion and loosely connected to said piston for loosely securing said piston and valve together.

2,246,142
BALANCED LIFTING DEVICE
Carl E. Moore, Gary, Ind.
Application December 24, 1940, Serial No. 371,547
4 Claims. (Cl. 294—67)



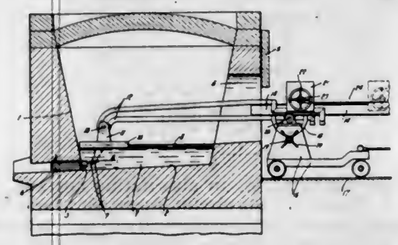
1. A device for lifting a long heavy object by one end comprising a generally rectangular frame providing spaced, horizontal ways, an arm extending from one end of said frame having means adapted to detachably engage said object, a counterpoise adapted to travel on said ways, a motor mounted on said arm and means driven by said motor for actuating said counterpoise along said ways.

2,246,143
METHOD OF AND APPARATUS FOR FORMING COILS
Edgar P. Patton, Jersey City, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 28, 1939, Serial No. 306,459
20 Claims. (Cl. 242—9)



9. A method of forming coils comprising winding a wire on a support in a definite helical path travelling back and forth between spaced positions on the support to form a coil, stopping the winding of the wire, removing a portion of the wire from one end of the coil in the direction of the helical path to form taps, and returning the wire to the coil in the direction of the helical path.

2,246,144
TAPPING OF METALS
René Perrin, Paris, France, assignor to Societe d'Electrochimie, d'Electrometallurgie et des Acieries Electriques d'Ugine, Paris, France, a corporation of France
Application October 17, 1939, Serial No. 299,865
In France October 17, 1938
6 Claims. (Cl. 266—37)



1. Process for preventing when tapping off a molten metal covered with a layer of slag the entrainment of slag with the metal, consisting in placing on the metal substantially in contact with said metal at the place where a vortex would be normally formed during the tapping, a raft having a substantially closed bottom extending over the said place.

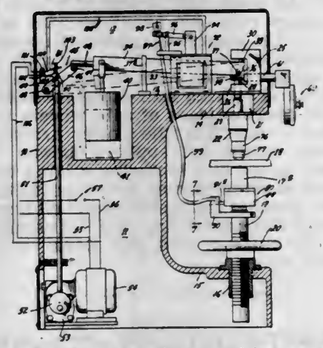
2,246,145
MECHANISM FOR BREAKING THE FROZEN CONNECTIONS OF ICE CUBES
Harry B. Rudd, Flushing, N. Y.
Application March 31, 1938, Serial No. 199,062
6 Claims. (Cl. 62—108.5)

1. A grid structure adapted to be inserted into a tray for the production of ice cubes, said grid structure comprising a flexible supporting member formed from thin sheet material, spaced grid sections projecting from one side of said supporting member, ice cube kicker means disposed between pairs of adjacent grid sections, said kicker means comprising a movable kicker member



formed from a partially cut-out section of said supporting member.

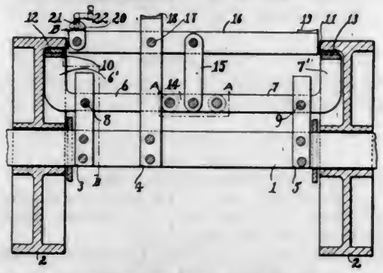
2,246,146
HARDNESS TESTING MACHINE
Clarence E. Smith, Dearborn, Mich., assignor to Pyro-Electro Instrument Co., Detroit, Mich., a corporation of Michigan
Application October 3, 1938, Serial No. 233,048
9 Claims. (Cl. 265—12)



1. In a hardness testing machine, a supporting member for the material to be tested, a penetrator movable toward and away from said supporting member, said supporting member being movable toward and away from said penetrator, a lever for moving the penetrator in one direction, a weight member carried by said lever to exert a predetermined force and urge the penetrator into the material under test, said weight member having an inactive position on pivoting of the lever to one position, electrically operated means to move said supporting member toward and away from said penetrator, a second lever, said second-named lever loosely abutting said first-named lever, switch means operable by said second-named lever and controlling said electrically operated means, a push rod connected to said second-named lever, cam means to reciprocate said push rod, and means operable to actuate said cam means.

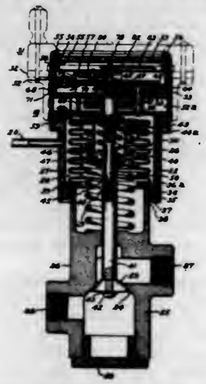
3. In a hardness testing machine, a supporting member for material to be tested, a penetrator movable toward and away from said supporting member, means operable to exert a force to urge said penetrator into the material under test, a supporting member for said penetrator and having an expansible-contractible aperture, an abutment member seating in said second-named supporting member and acted against by said force exerting means to actuate said penetrator and contract said aperture, an indicator for indicating the hardness of the material under test, a connecting member for operatively connecting said second-named supporting means and said indicator, said connecting member extending into said aperture for clutching action with said second-named supporting member after initial penetration of the material under test.

2,246,147
BRAKING MECHANISM
Henry J. Smith, Philadelphia, Pa., assignor to The American Pulley Company, Philadelphia, Pa.
Application February 16, 1939, Serial No. 256,631
1 Claim. (Cl. 188—22)



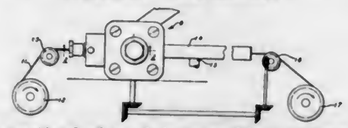
The combination with a pair of wheels having braking faces rotatable about an axis, of brake levers for the respective wheels fulcrumed on axes extending transversely to the axis of said wheels, brakes on the work arms of the respective levers and rocking into engagement with the respective braking faces of said wheels, equalizing means connecting the power arms of said levers and means for applying power to said equalizing means and including a hand operable bell crank, a lever having a foot pedal thereon, a tension member connecting said bell crank and lever, and a link connecting said last named lever, between its fulcrum and foot pedal, with said equalizing means.

2,246,148
MAGNETIC ADJUSTING APPARATUS
Hugh M. Stephenson, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application May 25, 1938, Serial No. 210,086
8 Claims. (Cl. 172—284)



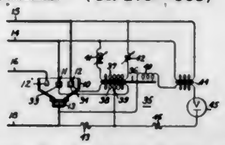
1. A magnetically operable adjusting device including a casing, a member adjustable to a plurality of predetermined positions within said casing, a magnetic member within said casing and operatively connected to said member to be adjusted, means within said casing to normally prevent movement of said magnetic member in a direction to adjust said member to be adjusted, and magnetic means exterior to said casing for removing the restraint on said magnetic member and for conveying motion from said magnetic means to said magnetic member.

2,246,149
METHOD OF CONTINUOUSLY APPLYING INSULATING MATERIAL TO A STRAND
Ernest R. Troche, Baltimore, Md., and Ivor N. R. Morgan, New York, N. Y., and Leo A. Vancura, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 3, 1938, Serial No. 228,356
2 Claims. (Cl. 18—55)



1. A method of applying a rubber compound to a wire in an extrusion apparatus having a die, a core tube cooperating with said die to form a restricted extrusion orifice, a driven take-up means for drawing a wire through said core tube and die, and an Archimedean screw for delivering said compound to said extrusion orifice, which method comprises maintaining the speed ratio between said take-up means and screw constant and varying the size of the extrusion orifice to compensate for variations in the compound pressure when the speed of the screw and take-up means changes as during starting or stopping.

2,246,150
ELECTRIC VALVE CIRCUIT
Richard Tröger, Berlin-Zehlendorf-Mitte, Germany, assignor to General Electric Company, a corporation of New York
Original application June 2, 1937, Serial No. 146,096. Divided and this application April 22, 1939, Serial No. 269,403. In Germany June 11, 1936
5 Claims. (Cl. 175—363)



1. In combination, an alternating current circuit, a direct current circuit, apparatus for interconnecting said first mentioned circuits comprising electric valve means having a discharge path and a control member for controlling the conductivity thereof, an excitation circuit for energizing said control member including a source of alternating voltage and means for producing a control voltage variable in phase, an impedance element connected in circuit with said control member for impressing thereon a bias potential, and means comprising a rectifier for controlling the phase of said control voltage and the magnitude of said bias potential in accordance with an electrical condition of said alternating current circuit.

2,246,151
TOWER ANTENNA
Edward C. Vrooman, Schenectady, N. Y., assignor to Locke Insulator Corporation, a corporation of Maryland
Application May 24, 1939, Serial No. 275,385
5 Claims. (Cl. 250—33)

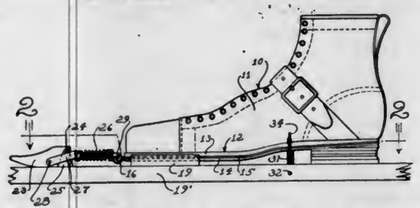
1. A radiating tower structure having an actual height of less than one-half of a wave length of the frequency at which it operates, said tower

comprising a framework of conducting structural elements mechanically interconnected at different points to form a rigid structure, the mechanical interconnections at certain of said points being conducting and those at other of said points being non-conducting, said conducting and non-



conducting interconnections being so disposed in said tower that a continuous conducting path along said tower is formed through said elements in succession, said path having the general form of a coil with vertical axis thereby to increase the inductance per unit length of said tower.

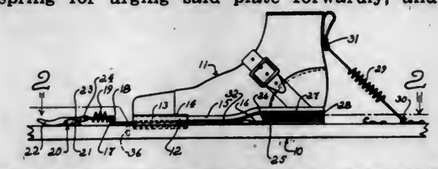
2,246,152
SKI AND SKI SHOE ASSEMBLY
David A. Wallace, Detroit, Mich.
Application May 22, 1939, Serial No. 275,021
11 Claims. (Cl. 280—11.35)



1. A ski and ski shoe assembly including a clamp member on said ski for receiving the toe end portion of the sole of said shoe, said ski having a recess in the upper side thereof registering with the instep portion of said shoe when the toe of the latter is engaged in said clamp member, and a spring disposed in said recess having one end fixed to said ski and the other end detachably securable to said shoe, said spring when detached from said shoe being confined by said recess in a predetermined position between the longitudinal edges of said ski.

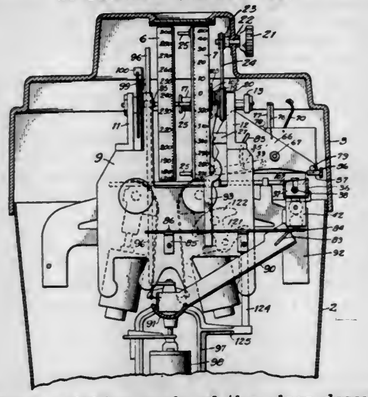
2,246,153
SKI AND SKI SHOE ASSEMBLY
David A. Wallace, Detroit, Mich.
Application December 26, 1939, Serial No. 310,926
12 Claims. (Cl. 280—11.35)

1. In a ski and ski shoe assembly; means for detachably securing said ski and shoe in operative clamped relationship including a toe clamp on said ski for wedgingly receiving the toe end portion of said shoe, an abutment on said shoe, means on said ski for coacting with said abutment to urge said toe end portion of said shoe into firmly clamped engagement with said toe clamp, said means including a plate slidably disposed between said shoe and said ski having an abutment engageable with said abutment of said shoe and a spring for urging said plate forwardly, and a



detent for releasably holding said plate against movement from a rearward position to facilitate pre-loading of said spring preparatory to assembling said ski and said shoe.

2,246,154
WEIGHING SCALE
Burns S. Watling, Chicago, Ill., assignor to Watling Scale Company, Chicago, Ill., a corporation of Illinois
Application April 3, 1939, Serial No. 265,800
25 Claims. (Cl. 194—55)

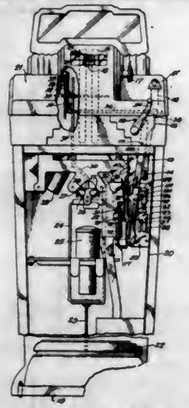


7. In a weighing scale of the class described, the combination with a rotatable weight-actuated scale disc and a rotatable scale disc manually set to an estimated or guessed weight, of coin-controlled detents respectively controlling the rotation of said discs, and means for applying the detent of said manually set disc and simultaneously releasing the detent of said weight-actuated disc.

2,246,155
DETENT RELEASE MECHANISM FOR WEIGHING SCALES
Burns S. Watling, Chicago, Ill., assignor to Watling Scale Company, Chicago, Ill., a corporation of Illinois
Application December 15, 1939, Serial No. 309,355
16 Claims. (Cl. 194—92)

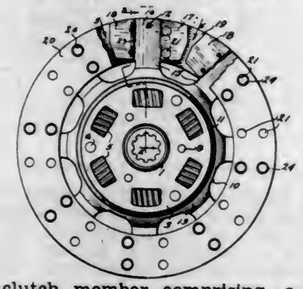
8. In combination with a coin chute, and a movable element of a detent release mechanism having a laterally projecting finger, a coin-controlled control member permitting or preventing a full movement of said element accordingly as a coin is or is not deposited in said chute, comprising a bar disposed adjacent to said chute and formed with a coin-engaging stop and a coin-arresting finger both movable across said chute and a slot through which said laterally projecting finger plays, said slot having on an edge thereof a stop shoulder movable into and out

of the path of travel of said laterally projecting finger, and a spring urging said bar toward said chute; said coin-engaging stop when engaged with a coin preventing sufficient movement of



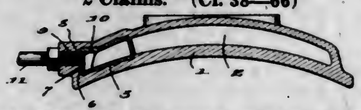
said control bar to carry said stop shoulder into the path of said laterally projecting finger, and when not engaged with a coin permitting such sufficient movement.

2,246,156
CLUTCH DRIVEN MEMBER
Ernest E. Wemp, Detroit, Mich.
Application August 4, 1938, Serial No. 222,997
3 Claims. (Cl. 192—107)



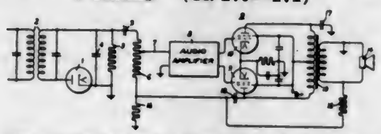
1. A clutch member comprising, a disc-like member having an inner zone for connection to hub means and having an outer zone for connection to clutch facings, said inner zone being of relatively thick stock, the outer zone being of relatively thin stock and comprised of spokes disposed angularly relative to the plane of the disc with the spokes extending radially inwardly from the zone of the facings and having axially spaced parts for yieldingly supporting said facings relative to each other.

2,246,157
STEAM CHEST CONSTRUCTION
Robert F. Wolff, Syracuse, N. Y.
Application February 27, 1939, Serial No. 258,588
2 Claims. (Cl. 38—66)



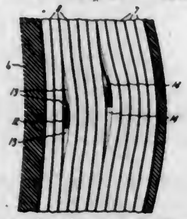
2. A steam chest formed of aluminum and having an inlet and outlet for steam, and a baffle device of a non-corrosive metal in the interior of the steam chest and having a hub embedded in the adjacent wall of the chest for coupling a steam pipe thereto, the hub terminating short of the outer face of the steam chest, and the steam chest having a bore alined with the bore of the hub, said baffle device being in the form of a box open at its ends with said hub of the baffle extending laterally from one side of the boxlike formation.

2,246,158
AMPLIFIER
Joseph A. Worcester, Jr., Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application August 17, 1939, Serial No. 290,611
7 Claims. (Cl. 179—171)



2. The method of maintaining degeneration at high frequencies in an audio amplifier in which large phase shift occurs at such frequencies, which includes supplying from the output to the input of said amplifier two voltages, the resultant of which remains in degenerative phase when one of said voltages is supplied in regenerative phase.

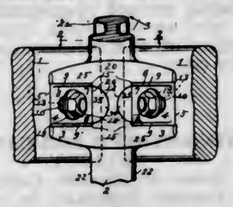
2,246,159
ELECTRICAL COIL
Robert W. Work and William H. Cooney, Pittsfield Mass., assignors to General Electric Company, a corporation of New York
Application December 1, 1938, Serial No. 243,383
4 Claims. (Cl. 175—356)



1. A transformer having a winding submerged in an insulating liquid, said winding comprising a plurality of superposed layers of insulated wire and a layer of paper between adjacent layers of wire, said paper having thereon a thin coating of adhesive material capable of passing said liquid therethrough and forming a bond between the paper and the wire, the body of the paper being substantially free of said adhesive material and serving to transmit said insulating liquid to the interior portions of the coil.

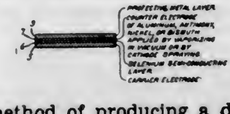
2,246,160
CHAIR
Clyde E. Yost, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application October 31, 1938, Serial No. 237,806
3 Claims. (Cl. 155—130)

1. In a chair: a back; a standard having a lateral wing, the front side of the wing being inclined laterally-rearwardly and the rear side of the wing having a medial depression; a chaplet having forward and rearward leaves engaging the wing's front side and the bottom of the depression respectively, the leaves and the wing



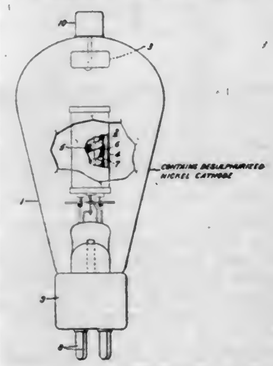
having horizontally elongated registering slots; means extending through the slots of the leaves and the wing for adjustably mounting the back on the standard.

2,246,161
SELENIUM CELLS AND METHOD OF PRODUCING THE SAME
Heinrich Adenstedt, Berlin-Reinickendorf, and Heinz Wittke, Hohen Neuendorf, near Berlin, Germany, assignors to General Electric Company, a corporation of New York
Application June 5, 1939, Serial No. 277,502
In Germany June 14, 1938
2 Claims. (Cl. 175—366)



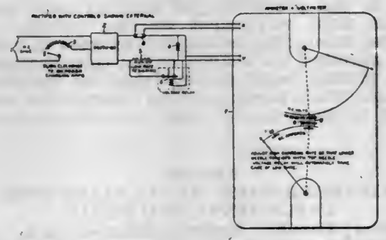
1. The method of producing a dry plate element having a selenium semi-conducting layer, which includes applying a counterelectrode to said layer by exposing said layer in a vacuum to the vapor of a metal of the group comprising aluminum, antimony, nickel and bismuth, and subsequently heat treating said element at a temperature of approximately one hundred fifty degrees centigrade.

2,246,162
THERMIONIC CATHODE TREATMENT
Mark Benjamin, Wembley, England, assignor to General Electric Company, a corporation of New York
Application August 12, 1939, Serial No. 289,923
In Great Britain August 17, 1938
3 Claims. (Cl. 250—27.5)



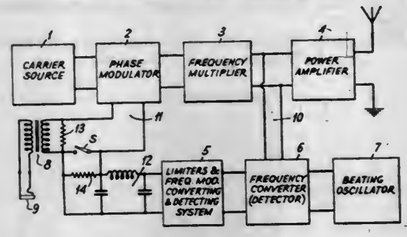
1. The step in the process of manufacturing oxide-coated cathodes which consists in subjecting the nickeliferous base metal for such cathodes to a heat treatment at about 1000° C. while packed in oxygenous alkaline earth compound until the residual sulphur in such metal has been substantially eliminated.

2,246,163
BATTERY CHARGING
Ralph T. Cheeseman, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application January 4, 1939, Serial No. 249,277
6 Claims. (Cl. 171—95)



1. In a constant voltage taper charging system for storage batteries, an instrument for indicating the correct charging current of a storage battery for any particular state of charge thereof comprising, a meter for indicating the state of battery charge, a second meter for indicating the battery charging current, said meters having juxtaposed scales, and lines connecting points of the scale of the state-of-charge indicating meter with points on the scale of the charging-current indicating meter, said connected points corresponding substantially to the coordinates of points on a predetermined curve.

2,246,164
FREQUENCY MODULATOR
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1940, Serial No. 316,503
14 Claims. (Cl. 179—171.5)



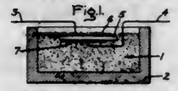
1. In a frequency modulator the combination of, a source of wave energy, a source of modulating potentials, a phase modulator connected with both of said sources to produce phase modulated wave energy, means for deriving from said phase modulator potentials which vary substantially in accordance with the frequency of the modulating potentials, and means for additionally modulating the phase of said wave energy in accordance with said derived potentials to convert said phase modulated wave energy produced in said modulator to frequency modulated wave energy.

2,246,165

METHOD FOR PRODUCING SINTERED HARD METAL FROM PULVERULENT MATERIALS

Walther Dawihl, Berlin-Kohlhasenbruck, and Hermann Franssen, Essen, Germany, assignors to General Electric Company, a corporation of New York

Application May 27, 1939, Serial No. 276,222
In Germany August 27, 1938
6 Claims. (Cl. 75—137)



1. In the production of sintered hard metal bodies from pulverulent starting materials by mixing them, compressing the mixture in molds, and sintering the shaped bodies thus produced: said mixing being accomplished by subjecting said materials previous to the compressing operation to the action of supersonic oscillations.

2,246,166

SINTERED HARD-METAL ALLOY FOR IMPLEMENTS AND TOOLS

Walther Dawihl, Berlin-Kohlhasenbruck, and Karl Schröter, Berlin, Germany, assignors to General Electric Company, a corporation of New York

No Drawing. Application March 30, 1940, Serial No. 326,972. In Germany February 2, 1939
2 Claims. (Cl. 75—136)

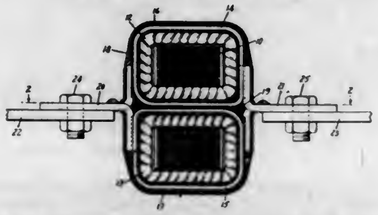
1. The method of making a sintered hard metal composition which comprises mixing metal of the iron group with a compound which consists of about 1 to 5% carbon with the remainder metal from the group tungsten and molybdenum, heating said mixture to a temperature in the neighborhood of 1300° C., crushing the resulting product and thereafter employing such product as a binder material for pulverized carbide particles, pressing the resulting mixture into a desired form and sintering it to thereby form a cemented carbide.

2,246,167

TRANSFORMER

Franklin R. D'Entremont, Lynn, Mass., assignor to General Electric Company, a corporation of New York

Application March 16, 1940, Serial No. 324,396
4 Claims. (Cl. 175—358)



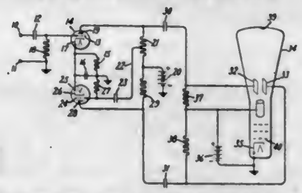
1. In a transformer having a rectangular magnetic core structure, two secondary winding coils one being arranged around each of a pair of opposite core legs, two primary winding coils one surrounding each of said secondary coils, said primary coils each comprising a strap conductor wound flatwise around the corresponding secondary coil in a single layer, the ends of said conductor extending through the core window and short distances along opposite sides of said core, a pair of terminals each having at one end lugs substantially the width of said conductor extending at right angles on opposite sides thereof, said lugs being secured to said ends of said primary coil and an insulating member arranged in the window of said core and separating said two primary coils.

2,246,168

DEFLECTING SYSTEM FOR CATHODE RAY DEVICES

Robert B. Dome, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application June 29, 1939, Serial No. 281,898
10 Claims. (Cl. 250—27)



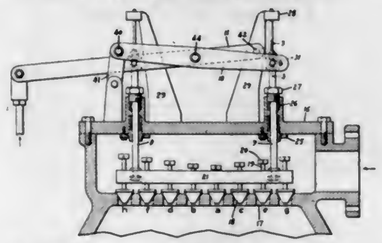
1. In combination, a cathode ray tube having a cathode and a pair of deflecting electrodes, means to supply operating potential between said cathode and each of said electrodes through respective impedances, means to supply signal potential across one of said impedances, and means to produce signal potentials across the other of said impedances in response to the potential on said one impedance, said last named means operating to produce signal potentials on said other impedance opposite in phase to that on said first impedance and to produce inequality between current variations in said impedances produced by irregularities of said operating potential, the values of said impedances being proportioned to equalize the potentials produced across said impedances by said unequal currents.

2,246,169

GOVERNING MECHANISM FOR ELASTIC FLUID TURBINES

Franklin R. Ericson, Marblehead, Mass., assignor to General Electric Company, a corporation of New York

Application April 5, 1939, Serial No. 266,161
7 Claims. (Cl. 74—469)



1. A mechanism of the character described comprising a support, parallel rods mounted on the support and movable with respect thereto, levers mounted on the support and extending toward each other from their respective pivots, the levers being in overlapping relation, a means connecting each of the levers to one of the rods, a device for uniting the levers to insure simultaneous and equal movements of the rods, and a means for actuating the levers.

2,246,170

BUCKLE

Frank G. Gise, York, Pa., assignor to The McKay Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application November 12, 1940, Serial No. 365,145
7 Claims. (Cl. 24—193)



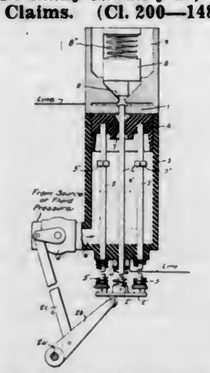
4. A buckle of the class described comprising a plate member having a strap-receiving slot therein intermediate the ends thereof, and a tongue member pivotally supported on the plate member and having a strap-receiving slot therein adjacent the pivoted end thereof and a second strap-receiving slot therein adjacent the strap-receiving slot in said plate member when moved to a position substantially parallel to said plate member, the distance between the pivot point and the second strap-receiving slot in the tongue being greater than the distance between said pivot point and the strap-receiving slot in the plate member.

2,246,171

METHOD OF AND APPARATUS FOR INTERRUPTING ELECTRIC ARCS

Vitaly Grosse, Berlin-Lichterfelde, Germany, assignor to General Electric Company, a corporation of New York

Application January 4, 1939, Serial No. 249,304
In Germany January 10, 1938
5 Claims. (Cl. 200—148)



1. The method of interrupting an electric power arc which comprises reducing the gas density an appreciable extent in an arc chamber, forming the arc in said chamber so that the arc energy is largely reduced as the arc is initially formed and subsequently applying a fluid blast to said arc after predetermined lengthening of said arc.

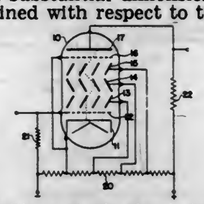
2,246,172

ELECTRON MULTIPLIER TUBE

Rudolf C. Hergenrother, Beechhurst, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Application July 8, 1937, Serial No. 152,487
13 Claims. (Cl. 250—175)

1. An electron multiplier tube comprising an electron-emissive electrode, a collector anode, and one or more auxiliary electrodes having the property of high secondary electron emission, each of said auxiliary electrodes consisting of a structure extending transversely across the tube and having a series of closely spaced strip-like elements of a substantial dimension axial of the tube and inclined with respect to the axis of the



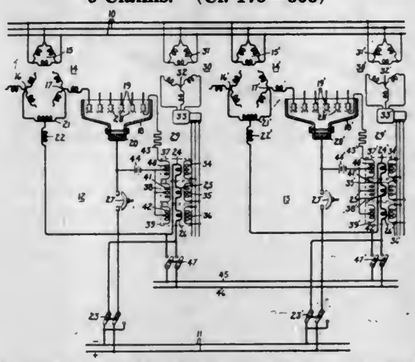
tube, said auxiliary electrodes being so disposed between said electron-emissive electrode and anode, in relation to their normal operating potentials, that each auxiliary electrode intercepts a major portion of the electron emission from the preceding electrode and provides an unobstructed path for the flow of secondary electrons emitted thereby to the succeeding electrode of the tube.

2,246,173

ELECTRIC VALVE CONVERTING SYSTEM

Carl C. Herskind, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 3, 1939, Serial No. 297,694
9 Claims. (Cl. 175—363)



1. In an electric valve converting apparatus, a supply circuit, a load circuit, one of said circuits being an alternating current circuit, a plurality of parallel connected electric discharge devices interconnecting said circuits, a control circuit for each of said electric discharge devices of the type in which the phase of the excitation is advanced with increasing load, and means for insuring an equal division of load among said parallel connected electric discharge devices comprising an equalizing bus for equally advancing the phase of the excitation of each of said discharge devices with increasing total load transmitted by said parallel connected electric discharge devices.

2,246,174

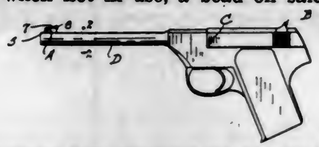
GUN SIGHT

David Howells, Salt Lake City, Utah

Application February 13, 1939, Serial No. 256,115
1 Claim. (Cl. 33—47)

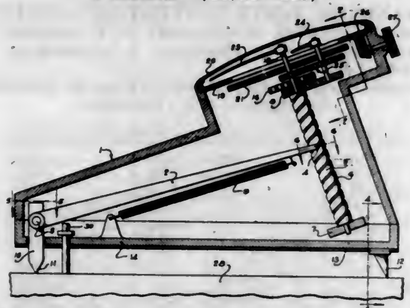
A gun sight comprising a base attaching the sight to the gun barrel, a sight fin extending up-

wardly from said base, said base having a recess in the top side thereof immediately back of said fin, a first sight mounted on the top of said fin with its visible face of convenitional appearance, a sight hinged at the junction of the back of said fin and base and adapted to be pivoted into said recess when not in use, a bead on said hinged



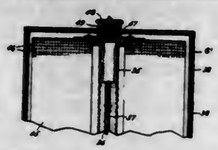
sight covered with luminous material and obscuring said first sight when in the elevated position, and transparent material covering said luminous material to protect it from contact when elevated said material being protected by the recess when the hinged sight is pivoted into said recess.

2,246,175
STRAIN GAUGE
Arnold U. Huggenberger, Zurich, Switzerland
Application March 14, 1939, Serial No. 261,801
In Switzerland October 17, 1938
3 Claims. (Cl. 33—148)



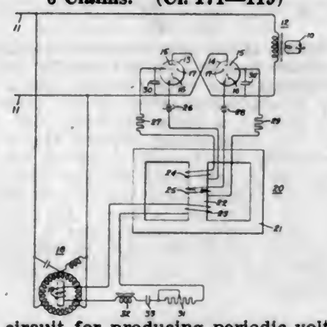
1. The combination in a strain measuring instrument comprising a frame, gauge means carried by said frame for contacting a specimen, strain responsive indicating mechanism carried by said frame, and means for lifting one of said gauge points from the specimen automatically when the strain reaches a predetermined limit.

2,246,176
THERMIONIC DISCHARGE DEVICE
Albert W. Hull, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 8, 1939, Serial No. 266,803
4 Claims. (Cl. 250—27.5)



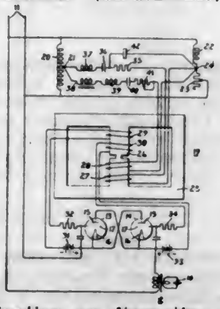
1. An electrical discharge device comprising the combination of an envelope, an attenuated gas therein, an anode, a thermionic cathode consisting of a plurality of strips of bare molybdenum which are radially arranged about a common center, an elongated dispenser of material for activating said cathode, said dispenser being axially disposed with respect to said cathode strips and comprising a container of woven wire of a metal chosen from the group consisting of tungsten and molybdenum, a charge therein consisting of a mixture of oxide of barium oxide and alumina, means for heating said dispenser, and a shield surrounding said cathode and dispenser.

2,246,177
ELECTRIC CONTROL CIRCUIT
Louis G. Levoy, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 2, 1940, Serial No. 349,735
6 Claims. (Cl. 171—119)



6. A circuit for producing periodic voltages of peaked wave form comprising a source of alternating current voltage, a transformer including a primary winding connected to said source of voltage, a secondary winding and a core structure having a saturable portion, said windings being wound on said core structure so that substantially all of the flux in said saturable portion links both of said windings, a series resonant circuit connected in series with said primary winding and tuned to the frequency of said alternating current circuit for eliminating the harmonics impressed on said primary winding to prevent distortion and phase shift of the peaked voltages induced in said secondary winding, and resistance means connected in series with said primary winding for limiting the current drawn thereby.

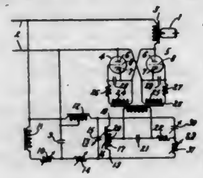
2,246,178
ELECTRIC CONTROL CIRCUIT
Louis G. Levoy, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 31, 1940, Serial No. 355,013
9 Claims. (Cl. 171—119)



1. In combination, an alternating current supply circuit, a load circuit, electric translating apparatus connected between said supply circuit and said load circuit for transmitting energy

therebetween and including electric valve means having a control member for controlling the conductivity thereof, a control circuit for energizing said control electrode with voltages of peaked wave form having the periodicity of said alternating current supply circuit including transformer means having a core structure with a saturable portion and a plurality of windings associated therewith, said windings including a first winding associated with said control member for impressing a control voltage of peaked wave form thereon, a second winding energized by an alternating current voltage of the frequency of said alternating current supply, and a third winding energized by an alternating current voltage of the frequency of said supply circuit and differing in phase relation from the voltage applied to said first winding, and means responsive to the voltage of said supply circuit for varying the magnitude of the voltage applied to said third winding to shift the phase of the voltage of peaked wave form impressed upon said control member to maintain the energy supplied to said load circuit substantially independent of voltage variations of said alternating current supply circuit.

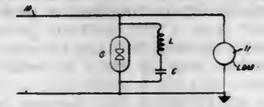
2,246,179
ELECTRIC CONTROL CIRCUIT
Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 1, 1938, Serial No. 243,372
4 Claims. (Cl. 171—119)



1. In combination, an alternating current supply circuit, an alternating current load circuit having a substantially constant impedance, a pair of reversely connected electric valve means for transmitting alternating current to said load circuit, said electric valve means being provided with control members for controlling the conductivity thereof, and means for controlling the root-mean-square value of current transmitted to said load circuit and comprising a nonlinear resonant circuit connected across said supply circuit and responsive to the magnitude of the voltage of said supply circuit and means connected between said resonant circuit and said control members and responsive to a predetermined electrical condition of said resonant circuit for impressing on said control members periodic voltages variable in phase with respect to the voltage of said alternating current supply circuit and having a predetermined minimum phase displacement with respect to the voltage of said supply circuit.

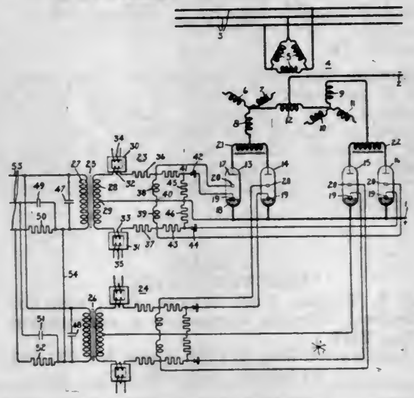
2,246,180
LIGHTNING ARRESTER
William A. McMorris, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application September 30, 1938, Serial No. 232,602
14 Claims. (Cl. 175—30)

1. A lightning arrester for protecting an electrical power circuit having inductance, said arrester including a gap, and an oscillatory circuit connected across the gap to extinguish a power short circuit current through said gap before



said short circuit current can reach its normal maximum value.

2,246,181
ELECTRIC VALVE CONTROL CIRCUIT
Lysle W. Morton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 5, 1940, Serial No. 368,670
7 Claims. (Cl. 175—363)

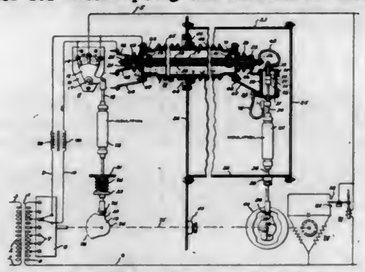


1. In combination, an alternating current circuit, a load circuit, electric translating apparatus connected between said circuits and comprising a pair of electric valve means employing an ionizable medium capable of supporting an arc discharge and each having an anode, a cathode and a control member of the immersion-ignitor type, means for connecting the anode-cathode circuits of said electric valve means so that said electric valve means operate in parallel, a pair of excitation circuits for energizing said control members simultaneously and each comprising means including a saturable inductive device for producing a periodic voltage of peaked wave form, a source of alternating current for energizing said pair of excitation circuits, phase shifting means connected between said source and said excitation circuits for producing a shift in the phase of the voltage supplied to said excitation circuits in accordance with the current demanded by the excitation circuits, and equalizing means connected between corresponding points of said excitation circuits to maintain the voltages of peaked wave form produced by said excitation circuits exactly in phase so that the electric valve means conduct equal amounts of current.

2,246,182
APPARATUS FOR TRANSFORMER TAP CHANGING UNDER LOAD
Arthur Palme and Orin P. McCarty, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
Application March 29, 1940, Serial No. 326,733
7 Claims. (Cl. 171—119)

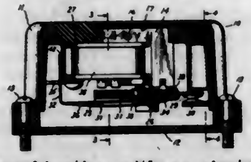
1. In combination, a power circuit, a trans-

former comprising a housing, a winding having a plurality of taps, a ratio adjuster in said housing for selectively connecting a pair of conductors to said taps, a non-current interrupting selector switch in said housing for selectively connecting either one or both of said conductors to said power circuit, a current interrupting contactor for interrupting the current in whichever



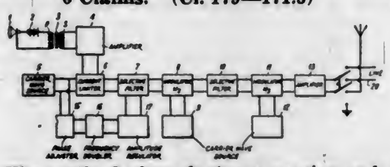
conductor has been disconnected from said circuit by said selector switch, an enclosure for said contactor, an insulating bushing extending through a wall of said transformer housing into said enclosure, and a pair of concentrically arranged conductors extending through said bushing for connecting said contactor to said first pair of conductors.

2,246,183
ELECTRIC SWITCH
Carl P. Pepper, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application May 4, 1939, Serial No. 271,690
9 Claims. (Cl. 200—87)



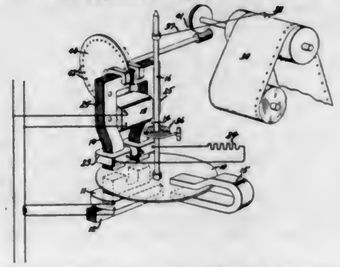
7. The combination with an electric switch of the magnetically operated type of a casing of insulating material having a recess in a wall thereof, a magnetic core structure including a plurality of laminations provided with a leg portion having a pole face at one end and a projection at the other end, a leaf spring in said recess biasing said laminations together and against a side of said recess frictionally to secure said projections in said recess thereby mounting said core structure in said casing, an energizing winding on said leg portion of said core structure, a shading coil element encircling a portion of said core structure adjacent said pole face, means including a portion of said shading coil element for additionally securing and positioning said core structure in said casing, a fixed terminal member mounted in said casing and having a portion serving as a support, said shading coil element and said terminal member securing said energizing winding on said leg portion of said core structure, relatively fixed and movable contacts, an armature movable between magnetically attracted and unattracted positions, spring means for resiliently supporting said armature including a strip of resilient material secured at one end to said terminal support and having a trifurcated portion at the other end comprising a pair of outer prongs and a central prong extending across one side of said armature in substantially parallel relation, and means including a hooked end on said outer prongs for securing said armature to said outer prongs, said outer prongs biasing said armature to said unattracted position, said central prong mounting said movable contact and biasing said armature to said attracted position.

2,246,184
SINGLE SIDE BAND TRANSMITTER
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 22, 1938, Serial No. 236,389
6 Claims. (Cl. 179—171.5)



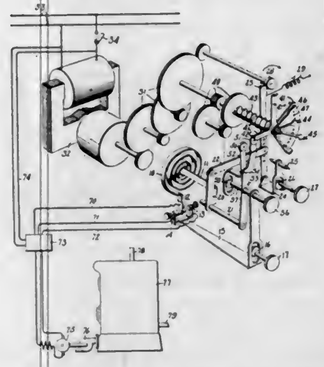
1. The method of producing a carrier and side band energy widely separated in the frequency spectrum from the said carrier and other components of the combination which includes the steps of, combining voltage of carrier frequency with modulating voltages, said carrier frequency voltage being considerably greater in amplitude than the modulating voltages, limiting the amplitude of the voltages as combined to a constant value, to thereby produce a first component having twice the frequency of the carrier voltage and a second component having a frequency equal to, the frequency of the carrier voltage, plus the carrier voltage minus the modulating voltage, and of an amplitude which varies in accordance with variations in the amplitude of the modulating voltages, and doubling the frequency of the voltage of carrier frequency and adding the voltages of double frequency to said first component to increase the amplitude thereof.

2,246,185
COMBINED METER AND TIMING MOTOR
William H. Pratt, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application March 3, 1939, Serial No. 259,606
3 Claims. (Cl. 171—34)



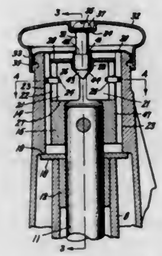
2. In combination, an electric meter having an H-shaped voltage core and a current core, a rotary armature responsive to the joint action of the fluxes of said cores, a current winding for the current core, a voltage winding on the crossbar of the H-shaped voltage core, the lower legs of said H-shaped core comprising the pole pieces of the voltage core of said meter and an electric motor energized by said voltage winding, the upper legs of said H-shaped core comprising the pole pieces of said motor.

2,246,186
HEATING CONTROL
David C. Prince, Swarthmore, Pa., assignor to General Electric Company, a corporation of New York
Application August 1, 1933, Serial No. 683,147
17 Claims. (Cl. 236—46)



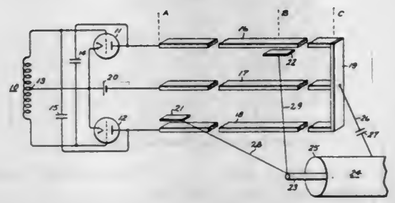
2. The method of maintaining a substantially constant temperature comprising increasing the supply of heat when the temperature varies to a predetermined lower value, decreasing the supply of heat when the temperature varies to a predetermined higher value, and periodically varying said values in cycles having a frequency sufficiently high to stabilize the variations of the temperature.

2,246,187
WASHING MACHINE
Gosta E. Olsson, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application November 17, 1938, Serial No. 241,013
9 Claims. (Cl. 68—133)



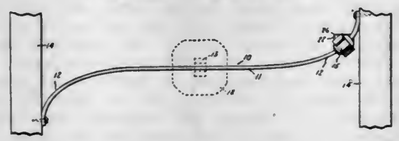
2. In a washer, in combination with a power shaft and an agitator having a hub rotatably surrounding the shaft, said hub being slidable relative to the shaft whereby the agitator may be lifted off the shaft, grooves in said hub, radially movable clutch keys in said shaft, means for moving said clutch keys radially into and out of engagement with said grooves to make and break a driving connection between the shaft and the agitator, and detent means preventing lifting of the agitator off the shaft comprising normally disengaged parts on the hub and at least one of the clutch keys engageable by movement of the clutch keys to the driving position.

2,246,188
TUNED CIRCUIT
Hans Roder, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 12, 1938, Serial No. 240,142
3 Claims. (Cl. 179—171)



1. In combination, a balanced standing wave circuit comprising a first conductor and two conductors electrically symmetrical with respect thereto, a second circuit having one side arranged to transfer energy with said first conductor, and a pair of standing wave lines of equal length and surge impedance connecting the other side of said second circuit respectively to a pair of coupling means arranged to transfer energy with said two conductors of said balanced circuit, the positions of said coupling means along said conductors being spaced apart by an odd multiple of one-half wave-length of the operating frequency and being adjustable along said conductors to control the amount of energy transferable between said circuits.

2,246,189
BAR HANGER
Edward H. Rugg and George Carlson, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application December 8, 1938, Serial No. 244,630
4 Claims. (Cl. 248—57)

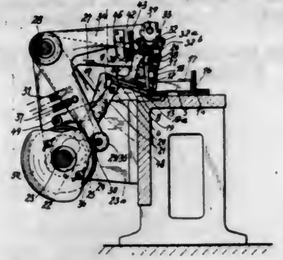


4. A bar hanger comprising a metal bar of substantially S-shape whereby said bar may be adjusted between supporting members of various spacings, the opposite ends of said bar being provided with a plurality of holes extending along the length of said bar to secure said bar to said supporting members.

2,246,190
METHOD AND MEANS FOR STRAIGHTENING THE FLANGES OF LIDS OF BOXES
Johannes Schmiedel and Karl Ernst Paul Jorke, Dresden, Germany, assignors, by mesne assignments, to J. C. Muller N. V., Rotterdam, Netherlands
Application December 28, 1938, Serial No. 248,028
In Germany March 18, 1938
8 Claims. (Cl. 93—53)

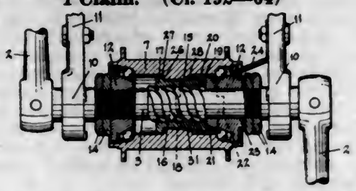
1. The method of straightening flanges of lids of boxes which consists in subjecting a box for cigarettes having a lid with depending flanges to a position of inclination in respect to adjacent boxes being fed step by step to a flange straight-

ening machine, and subjecting the adjacent hinged portions of the box to a pressure action



against each other while one of the same is being held in said inclined position.

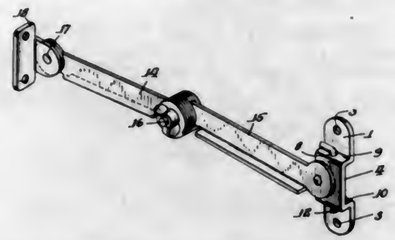
2,246,191
VEHICLE DRIVE
Joseph P. Schmitz, Tiffin, Ohio
Application November 25, 1939, Serial No. 306,149
1 Claim. (Cl. 192—64)



In a drive mechanism for a foot-powered vehicle, a wheel for driving the vehicle; a hub for rotatably supporting the wheel; the hub having formed thereon an internal annular shoulder portion and a chamfered portion in spaced relation to the annular shoulder portion; an axle supported on the vehicle for rotation in either direction and extending in concentric relation through the hub; a member supported for shuttling axial movement on said axle; the member having formed thereon a flange part and a tapering portion in spaced relation to the flange part; the axle having a threaded portion adapted to engage said member and to cause axial movement of same in either direction whereby the flange part will engage the shoulder part, when the axle is rotated in one direction, to drive the wheel in said direction, and the tapering portion will engage the chamfered part, when the axle is rotated in the other direction, to drive the wheel in said other direction.

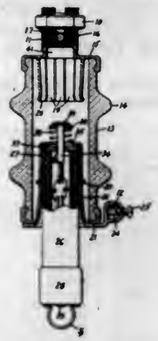
2,246,192
SEPARABLE PIVOT CONNECTION FOR WINDOW SASH OPERATORS
Raymond William Smith, Rock Falls, Ill., assignor to Chas. O. Larson Co., Sterling, Ill., a corporation of Illinois
Application January 18, 1940, Serial No. 314,413
2 Claims. (Cl. 292—263)

1. A device of the class described comprising a sash brace and a bracket plate adapted to be fastened in stationary position to a window frame providing a chamber between the frame and an outset vertical wall of the plate, said chamber being open at its front and rear sides and having top and bottom walls, an oscillatory and cylindrical pivotal stud mounted adjacent one end of the sash brace rotatable about a fixed axis in a bearing in said vertical wall so that the greater portion of the stud within the chamber is free from engagement with said plate, and a vertical retaining device extending through said chamber comprising an upstanding rotatable member journalled within the top and bottom walls and having a portion extending through said chamber in juxtaposition to said pivot stud, said pivot stud having an annular recess formed therein and a peripheral portion of said rotatable



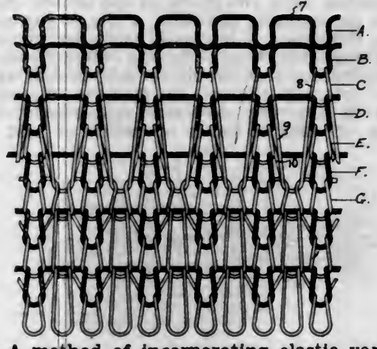
retaining member extending into said recess to prevent axial movement of said pivot stud while permitting unimpaired rotation thereof in the journal, a peripherally disposed portion of said rotatable retaining member being cut away and operative when the retaining member is rotated to bring said cut away portion opposite the stud to permit the stud to be freely withdrawn.

2,246,193
ELECTRIC FUSE DEVICE
Sidney R. Smith, Jr., Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application January 11, 1939, Serial No. 250,373
9 Claims. (Cl. 200—117)



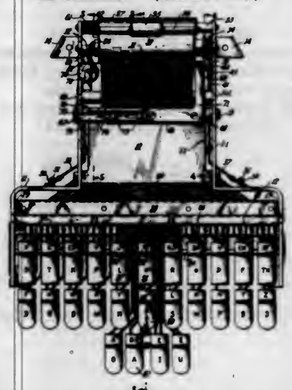
1. A line suspension fuse device comprising in combination a hollow insulator having a fuse cartridge receiving bore open at one end for insertion of a fuse cartridge thereinto, spaced terminal elements carried by said insulator, one of said terminal elements having a clamping part adapted to be attached to an electric line conductor for supporting the fuse device directly on said conductor, a unitary fuse cartridge removably disposed in said bore and including a fusible element, means releasably retaining said cartridge in said bore with said fusible element electrically connected between said terminal elements, and means, forming an integral part of said cartridge, operative in response to operation of said fusible element to effect ejection of the cartridge at least partially from said open end of said bore.

2,246,194
METHOD OF KNITTING
Eugene St. Pierre, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application December 19, 1938, Serial No. 246,580
6 Claims. (Cl. 66—41)



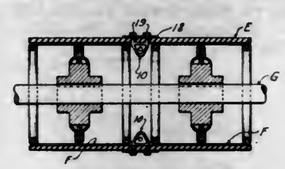
1. A method of incorporating elastic yarn at the beginning edge of a stocking top including the steps of feeding elastic yarn to needles and incorporating it in such a manner that it will be held at spaced wales only, and at the same time, feeding a non-elastic yarn and knitting it in courses intervening those in which the elastic yarn is incorporated and in such a way that it will be knitted in the spaced wales at which the elastic yarn is held but will be tucked at intervening wales.

2,246,195
PHONETIC TYPEWRITING MACHINE
Joseph Lee Sweeney, New York, N. Y.
Application September 24, 1938, Serial No. 231,478
41 Claims. (Cl. 197—9)



1. In a typewriting machine having a frame and a platen, a pair of levers pivotally mounted on said frame, a type bar having a plurality of characters thereon operatively supported by certain ends of said levers, one of said levers being connected to said type bar by a lost-motion connection, and means operatively connected with the opposite ends of said levers to cause rotation of the other lever about its pivot to move said type bar to press one of said characters against said platen and rotation of both levers about their pivots to move said type bar to press another of said characters against said platen.

2,246,196
CONVEYER BELT CLIP
William G. Van Voorhis, Findlay, Ohio, assignor to The Buckeye Traction Ditcher Company, a corporation of Ohio
Application March 22, 1940, Serial No. 325,319
2 Claims. (Cl. 198—202)



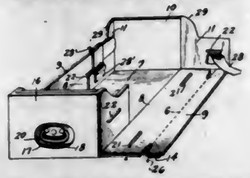
1. A device for preventing lateral shifting of an endless conveyer belt of flexible material and trained over pairs of laterally spaced pulleys, comprising a triangular shaped head disposed between the inner faces of the pulleys and projecting from the underside of the belt, an internal centrally disposed reenforcing web for said head, a pair of laterally spaced studs with the sides substantially flush with the adjacent side of the head, plate means fitting said studs on the outer side of the belt, and nuts on said studs.

2,246,197
EDGE TRIM FOR CURTAINS OR THE LIKE
Lorance R. Wright, Memphis, Tenn., assignor to The Fashion Curtain Company, Inc., Memphis, Tenn., a corporation of Tennessee
Application November 22, 1940, Serial No. 366,525
1 Claim. (Cl. 156—10)



An edged body fabric, comprising the fabric body and a ruffle secured thereto by a double row of stitching, an edge-portion of said body, slightly wider than the spacing of said stitching, being folded inward and forward upon itself substantially to the line of the inner of said rows of stitching; said ruffle including a heading portion superposed along an edge portion of said body, and an integral skirt portion extending beyond said edge, the edge portion of said ruffle forming said heading, lying inward of said stitching, being a substantial portion of the total width of said ruffle, and being folded inward and backward upon itself with the raw edge of said fold extending substantially to the line of the outer of said rows of stitching, said ruffle being gathered along the line of said stitchings, and said stitching lines substantially concealing the edges of the folded portions of said body and ruffle.

2,246,198
CONTAINER
Philip Zalkind, New York, N. Y.
Substitute for abandoned application Serial No. 61,856, February 1, 1936, which is a division of application Serial No. 692,937, October 10, 1933, which in turn is a division of application Serial No. 631,682, September 3, 1932. This application May 28, 1938, Serial No. 210,549
5 Claims. (Cl. 229—34)



1. In a collapsible container; an end wall; side walls; tongues extending from said end wall and engaging said side walls; an extension on said side walls overlapping said tongues; and means engaging said side wall and said extension for securing said tongues and said side wall to each other said means comprising an adhesive tape carried by said container and extending therefrom passing through registering openings in said tongues and said side wall.

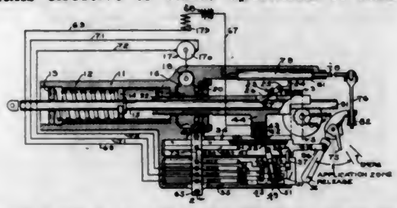
2,246,199
HORIZONTAL HONING MACHINE
Harry J. Caldwell, Rockford, Ill., assignor to Barnes Drill Company, Rockford, Ill., a corporation of Illinois
Application July 21, 1939, Serial No. 285,751
4 Claims. (Cl. 51—34)



1. A honing machine having, in combination, an elongated base, a horizontal guideway on said base, a head mounted for reciprocation on said guideway, means for reciprocating said head comprising, a power operated actuator including a reciprocable part, a track disposed within said base below the guideway and extending generally parallel thereto, a roller on said part engageable with the track for supporting and guiding the part in its reciprocation, a rotatable member supported on the base at each end of the guideway, and a pair of flexible traction members anchored to the head and connected respectively to opposite ends of the base, said members each passing over one of said rollers and over the rotatable member at the end of the base to which the member is connected.

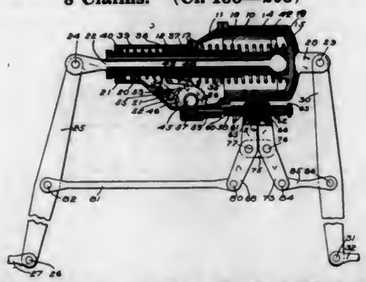
2,246,200
BRAKE SYSTEM
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 31, 1939, Serial No. 276,663
9 Claims. (Cl. 188—173)

1. In a brake system, a brake operating member, a spring effective to exert a force urging the brake operating member in a direction to effect application of the brakes, an electric motor, a control member shiftable in one direction upon rotation of the said motor in one direction and shiftable in the opposite direction upon rotation of the motor in the opposite direction, means so relating the control member to the brake operating member as to cause movement of the brake operating member in a direction to effect release of the brakes upon movement of the control member in one direction and so as to permit shifting the brake operating member in a direction to effect application of the brakes by the said spring upon movement of the control member in the opposite direction, a circuit for energizing the motor, a manually operative member, a reversing switch device having two positions for so controlling the circuit of said motor as to cause rotation thereof in opposite directions when in the two positions respectively, and means effective to cause operation of said re-



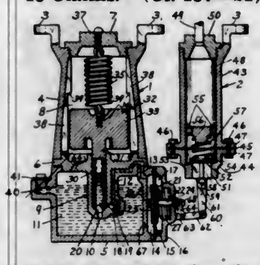
versing switch to one position upon movement of the manually operative member in one direction and operation of the reversing switch to the other position upon movement of the manually operative member in the opposite direction whereby to automatically control the direction of rotation of the motors to cause it to shift the said control member in a direction to follow the direction of the movement of the manually operated member, and switch means including cooperating members on the manually operative means and on the control member for automatically causing the circuit of the motor to be interrupted when the control member is positioned according to the position of the manually operative member.

2,246,201
BRAKE MECHANISM
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 29, 1940, Serial No. 321,466
8 Claims. (Cl. 188—203)



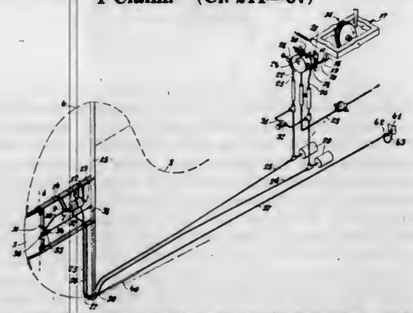
1. A combination brake cylinder and slack adjuster for a fluid pressure operated brake rigging, comprising a casing, a piston mounted therein and operatively connected to the brake rigging, a movable member mounted within said casing and operable by said piston upon excessive travel thereof, a spring for biasing said member toward a normal position and opposing displacement thereof by the piston, a ratchet mechanism mounted in said casing and operative on movement of said member by said spring, a longitudinally disposed shaft having one end journaled in said casing and geared to said ratchet and pawl mechanism and the other end extending outwardly of said casing, and lever means mounted in screw-threaded connection with said shaft and operative thereby for taking up slack in the brake rigging.

2,246,202
DRAIN VALVE CONTROL MEANS
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 29, 1940, Serial No. 332,143
13 Claims. (Cl. 137—21)



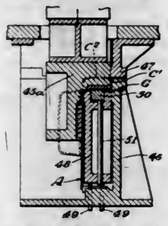
1. In a drainage system for draining liquid from the interior of a refrigerator vehicle or the like comprising a drainage discharge communication, means operative to either open or close said communication, and means operative automatically only when the vehicle is in transit for effecting the operation of the first mentioned means to close said communication and operative automatically only when the vehicle is brought to rest for effecting the operation of the first mentioned means for opening said communication.

2,246,203
CONTROL OF MOVING CRAFT
Luis de Florez, New York, N. Y., assignor to National Aviation Research Corporation, New York, N. Y., a corporation of Delaware
Application August 3, 1939, Serial No. 288,126
1 Claim. (Cl. 244—87)



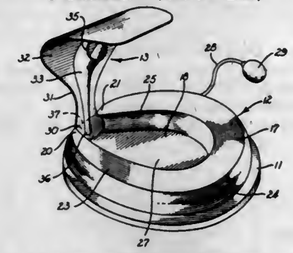
In combination with a craft having a movable control surface, a control tab set in said movable control surface and operable independently thereof, means for effecting independent control movements of said control tab and means for locking said control tab against such independent movements and including a segment with a center notch, a movable locking element engageable with said segment and in said notch, a spring thrusting said locking element toward said segment, a pull line connected with said movable locking element for drawing the same away from said segment and means for holding said pull line in different positions of adjustment either free of said segment or yieldingly engaged therewith and free to enter said notch.

2,246,204
APPARATUS FOR MAKING PORTIONS OF SINKS
Vincent J. Graf, Detroit, Mich., assignor, by mesne assignments, to Steel Plumbing Wares, Inc., Detroit, Mich., a corporation of Michigan
Original application August 25, 1933, Serial No. 686,796. Divided and this application December 13, 1937, Serial No. 179,388
2 Claims. (Cl. 113—49)



1. In an apparatus for forming portions of a sink from a single preformed metal blank embodying a basin, a laterally projecting apron forming portion and an upright back panel; mechanism for forming a continuous uninterrupted rearwardly projecting flange along the upper and end marginal edges of said back panel, comprising cooperating die portions for pressing rearwardly the upper edge portion of the back panel and cooperating die portions for simultaneously pressing rearwardly the upright end portions of said back panel to form rearward extensions of the apron forming portion integral with the rearward marginal flanging of the back panel.

2,246,205
BEDPAN
Russell M. Gray, Palm Springs, Calif.
Application December 11, 1939, Serial No. 308,602
8 Claims. (Cl. 4—113)

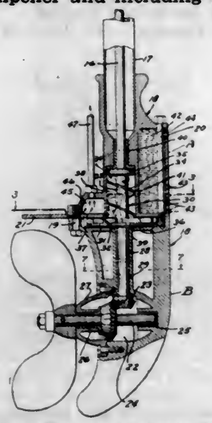


1. In a bedpan, the combination of: a horizontally disposed receptacle; and an upright member having a wall extending transversely of said receptacle and extending upwardly to the level of the discharge of excretal liquids by the patient and secured to the front portion of said receptacle and provided with a duct disposed centrally and longitudinally of said member, and having its upper end positioned horizontally and longitudinally to receive excretal liquids of the patient and its lower end positioned to discharge into said receptacle.

2,246,206
OUTBOARD MOTOR
Ralph J. Herrington, Minneapolis, Minn.
Application October 2, 1939, Serial No. 297,451
11 Claims. (Cl. 115—18)

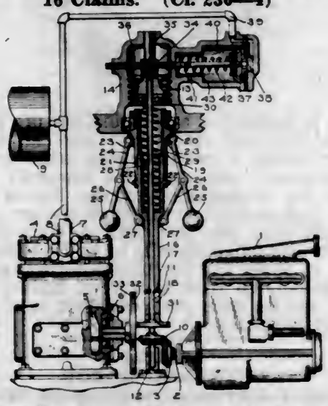
1. In an outboard motor, the combination with

a downwardly extending drive shaft, an under-water housing enclosing the lower end portion of the drive shaft, and a propeller shaft journalled in the lower end portion of the under-water housing and geared to the drive shaft, of a pump rotor mounted on the drive shaft in the intermediate portion of the housing and comprising integrally formed centrifugal type and spiral vane type impellers, said centrifugal type impeller being of relatively much greater diameter than the spiral vane impeller and including circumferen-



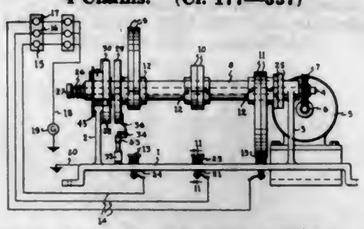
tially spaced impeller vanes extending from the eye portion toward the peripheral portion thereof, said integrally formed spiral vane impeller being located directly above and arranged to deliver to the eye portion of the centrifugal impeller, said under-water housing being formed with axially connected cavities for receiving said centrifugal and spiral vane impellers, the walls of said cavities closely embracing their respective impellers, an inlet passage through the housing to the spiral vane cavity and an outlet passage from the peripheral portion of the centrifugal impeller cavity.

2,246,207
DRIVE MECHANISM
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application July 28, 1939, Serial No. 287,084
16 Claims. (Cl. 230—4)



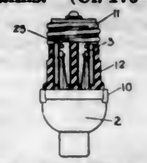
1. In combination, an air compressor comprising a rotatable drive shaft, a variable speed rotatable power shaft for turning said drive shaft, a speed change mechanism connecting said shafts and adjustable to vary the speed ratio between said shafts, and means controlled jointly by the speed of said power shaft and the pressure of the air delivered by said compressor for controlling the adjustment of said mechanism.

2,246,208
TRAFFIC SIGNAL APPARATUS
Robert E. Hobbs, Detroit, Mich.
Application March 20, 1940, Serial No. 325,075
4 Claims. (Cl. 177—337)



4. In an automatic resetting device, a shaft, a sleeve, rotatively mounted on the shaft, a clutch establishing a releasable drive connection from the shaft to one end of the sleeve, a spring reacting between the shaft and the other end of the sleeve to yieldably close the clutch, an armature mounted substantially rigidly on the sleeve, an electro-magnet effective on the sleeve through said armature to release the clutch, anti-friction means engaged by the armature upon its attraction toward the magnet, and electro-magnetic means effective on the sleeve when the clutch is released to establish the sleeve in a predetermined rotative position.

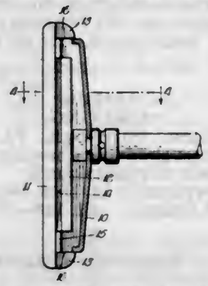
2,246,209
ELECTRICAL CONNECTOR
Virgil F. Johnson, Davenport, Iowa
Application November 5, 1938, Serial No. 238,944
4 Claims. (Cl. 173—343)



1. An electrical connecting member comprising a substantially rigid base having a pair of apertures therein and a pair of contact chambers communicating therewith, contacts in said chambers, the contact in at least one of said chambers comprising an arm having a hook inclined in the direction of the aperture and abrupt at its opposite face, said arm being spring-pressed toward the other of said contacts and being movable against the force of the spring action, a stop to limit movement of said arm toward the other of said chambers, and a second arm spring-pressed away from said other chamber and against said hook, said stop cooperating with said arms to govern the normal distance of said arms from said other chamber.

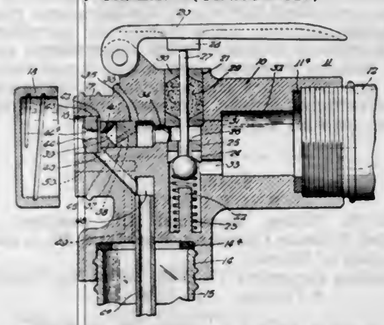
2,246,210
CURTAIN FIXTURE
Walter E. Keller, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois
Application March 16, 1939, Serial No. 262,094
4 Claims. (Cl. 156—26)

4. In a curtain fixture, a vertically elongated head which is provided with a guideway, and a vertically elongated rubber shoe for the head having a portion at its back which is slidable within said guideway in horizontally interlocked association with the latter, said shoe having a



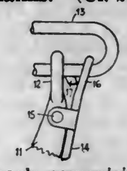
portion which in normal position abuts with a portion of the head and prevents movement of the shoe relative to the head in the guideway but which may be temporarily deflected to allow said sliding movement during application or removal of the shoe.

2,246,211
METHOD OF AND MEANS FOR MIXING AND ATOMIZING LIQUIDS
Conrad Kilich, Milwaukee, Wis.
Application January 24, 1938, Serial No. 186,573
9 Claims. (Cl. 299—140)



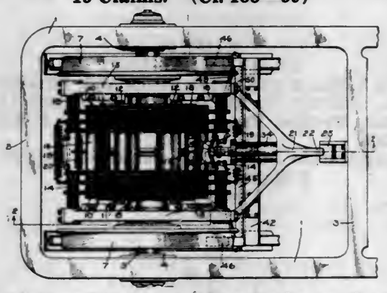
1. In a mixing atomizing device attachable to a garden hose, a casing, said casing having a hose attachment inlet at its rear end and a mixture outlet at its forward end, a duct providing for the passage of liquid from said inlet to said outlet, a valve in said duct for controlling the passage of liquid through said duct, an insecticide conduit in said casing, said conduit having an inlet adapted for submersion in an insecticide reservoir and an outlet in said duct, a deflector positioned in said duct rearwardly of said conduit inlet, said deflector providing a helical path for the flow of liquid toward the duct outlet, a jet positioned forwardly of said deflector, said jet having a rearwardly flared substantially conical recess and a restricted passage parallel to and centrally aligned in said duct at the apex of the conical recess, a second jet in said duct, said jet being positioned forwardly of said first jet and being spaced therefrom, the space between said jets being aligned with the outlet of said conduit to receive insecticide therefrom and providing an expansion chamber for receiving liquid emitted as a relatively thin swirling stream from the first jet, said second jet having a passage therethrough, the inlet of said passage being larger in diameter and on the same center as the outlet of the passage in said first named jet, and being flared toward its outlet end, the liquid from said first named jet being adapted to be emitted into said expansion chamber, to expand and disperse therein to acquire a rough, revolving outer surface and to pass into the inlet of said second jet to strike the wall of the passage therein at an angle to be further atomized by the impact with said wall before emission into the atmosphere.

2,246,212
SAFETY HOOK
John Michael Lavin, Los Angeles, Calif., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif., a corporation of New York
Application March 4, 1940, Serial No. 322,047
2 Claims. (Cl. 24—242)



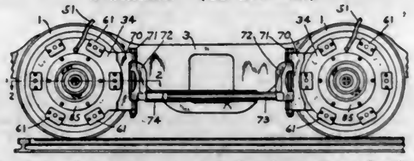
1. A safety hook comprising: a hook shaped member having a shank terminating in an eyelet, a keeper pivotally mounted on said shank, said keeper having an eyelet adapted to register with said first mentioned eyelet, a hook supporting member passing through both of said eyelets adapted to force said eyelets together and swing said keeper on its pivot point to close the hook opening when a strain is placed upon said hook, and a lug upon said supporting member adapted to pass through said eyelet on said shank and to engage said eyelet on said keeper to swing said keeper to release the same.

2,246,213
AXLE AND TREAD BRAKE
John W. Logan, Jr., Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 29, 1939, Serial No. 281,864
15 Claims. (Cl. 188—59)



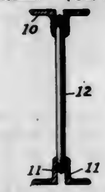
1. The combination with a brake mechanism of the non-tread type for a wheel and axle assembly of a railway vehicle, an element movable into and out of contact with the rail engaging surface of the tread portion of a wheel of said assembly, and means responsive to the torque on said mechanism during braking for moving said element into contact with said surface, said means comprising an extensible actuating connection through the medium of which force is transmitted to said element, and means included in said connection for inhibiting the transmission of the full force of the mechanism to the element.

2,246,214
BRAKE MECHANISM
Joseph C. McCune, Edgewood, and George K. Newell, near Pitcairn, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application January 31, 1939, Serial No. 253,771. Divided and this application June 29, 1939, Serial No. 281,892
2 Claims. (Cl. 188—59)



1. A brake arrangement for two spaced wheel and axle assemblies of a railway vehicle truck, said assemblies being capable of limited movement relative to each other in a direction transversely of said truck, said brake arrangement comprising for each of said assemblies a brake mechanism including an annular rotatable friction brake element secured to rotate with the assembly, a non-rotatable friction brake element adapted to frictionally engage said rotatable element to effect braking of said assembly, and a non-rotatable structure having a journal connection with said assembly supporting said non-rotatable element, and a rigid structure having a vertically arranged pivotal connection at one end with the non-rotatable structure of one brake mechanism and having at the opposite end a like pivotal connection with the non-rotatable structure of the other brake mechanism, said rigid structure being operative to hold said non-rotatable structures and non-rotatable elements against rotation, said pivotal connections being provided to render said brake mechanisms movable relative to each other transversely of said truck, said rigid structure comprising two members having telescopic engagement providing for movement relative to each other in a direction longitudinally of said truck to render said brake mechanisms movable relative to each other longitudinally of said truck.

2,246,215
STRUCTURAL UNIT
Harry S. Nagin and Leslie Strickland, Pittsburgh, Pa., assignors to Reliance Steel Products Company, Rankin, Pa., a corporation of Pennsylvania
Application July 1, 1938, Serial No. 216,999
1 Claim. (Cl. 189—37)



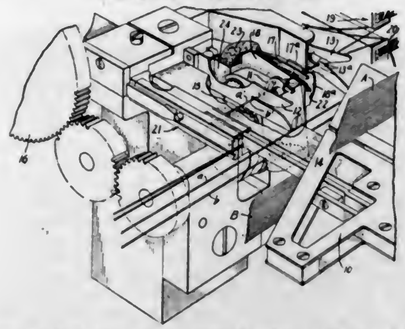
In a structural unit, an upper chord comprising a pair of laterally spaced apart angle members having one leg extending vertically downwardly, the other leg extending outwardly, a lower chord spaced from the upper chord, said lower chord comprising a pair of laterally spaced apart angle members having one leg extending vertically upwardly, the other leg extending outwardly, and a zigzag web member interposed between the chords and having portions thereof entered between each pair of the angle members forming each chord and electric resistance welded to the vertical legs, the zigzag member being formed from a square bar so that one diagonal of the cross-section of the bar is substantially constantly in the vertical plane passing through the longitudinal axis of the unit.

2,246,216
GRATING
Harry S. Nagin, Pittsburgh, Pa., assignor to Reliance Steel Products Company, Rankin, Pa., a corporation of Pennsylvania
Application September 14, 1938, Serial No. 229,895
5 Claims. (Cl. 189—82)



1. A grating or the like fabricated from continuous separate bars of metal having flat surfaces, comprising wrought metal bearing members and cross bars rectangular in cross section disposed angularly with respect to said bearing members and secured thereto by pressure electric resistance welding, the top edges of said members and of said bars constituting tread surfaces throughout their lengths and being indented to provide serrations, the tops of the serrations lying in substantially the same plane, said serrations being angularly disposed to the longitudinal axis of the bearing members and to the longitudinal axis of the cross bars, the serrations of adjoining parts continuing uninterruptedly from a bearing member into an adjoining cross bar.

2,246,217
KNOT TYING
Martin N. Noling, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application December 17, 1938, Serial No. 246,337
6 Claims. (Cl. 289—1)



1. In a knot-tying mechanism, the combination of, means including a rotatable tying bill for knotting the ends of a pair of threads, a plate presenting an edge to the threads at a point adjacent said tying bill, a stripper movable along the face of said plate opposite said tying bill past said edge thereof and engageable with the threads to pull the same from said tying bill and across said plate edge, means including a wick located adjacent said plate edge for wetting the knotted portion of the threads as it is pulled across the same by said stripper, and means for supplying liquid to said wick.

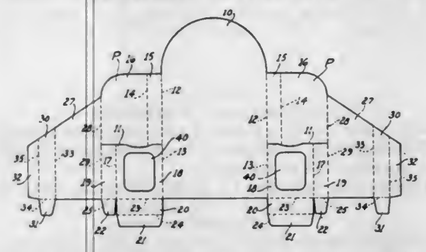
2,246,218
METHOD OF AND MEANS FOR TYING KNOTS
Martin N. Noling, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application April 10, 1939, Serial No. 266,941
24 Claims. (Cl. 289—3)



1. The method of knotting together a pair of threads which comprises, forming a doubly twisted loop in one of the threads, forming a singly twisted loop in the other thread, and drawing a pair of end portions of both of the threads through both loops.

5. A knot tying mechanism comprising, in combination, means forming a doubly twisted loop in one thread and forming a singly twisted loop in a second thread, and means associated with the first mentioned means for drawing a pair of end portions of both the threads through both of the loops formed by such first mentioned means.

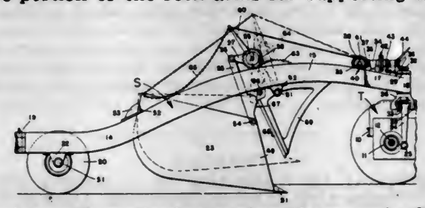
2,246,219
DISPLAY CONTAINER
Ralph C. C. Nourse, William J. Klein, and Albert L. Dandurand, Manchester, Conn., assignors to Folding Boxes, Incorporated, a corporation of Connecticut
Application January 4, 1940, Serial No. 312,368
11 Claims. (Cl. 248—174)



1. In a device of the character set forth, a panel having a through cut extending thereacross and a pair of oppositely extending fold lines disposed at an angle to the cut and running from the cut to the ends of said panel, said panel being adapted to be oppositely folded on its fold lines to form two pairs of parallel spaced surfaces.

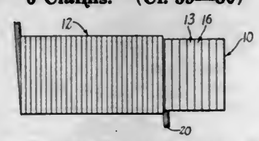
2,246,220
TRAILER SCOOP
Ralph T. Osman, Milwaukee, Wis.
Application May 4, 1938, Serial No. 205,903
5 Claims. (Cl. 37—129)

2. A trailer scoop comprising, a frame including side beams, a scoop bucket disposed between but independent of said side beams, movable rock arms for solely supporting the front end of the scoop, means for actuating the rock arms, means on the scoop engaging the frame for supporting the rear end of the scoop bucket from the frame when the scoop bucket is in its digging position, and means on the frame engaging an intermediate portion of the rock arms for supporting the



rock arms from the frame when the scoop bucket is in its dumping position.

2,246,221
METAL STRAP CONSTRUCTION
Eugen Prestinari, Summit, and Emil Haeffner, Newark, N. J., assignors to Gemex Company, Newark, N. J., a corporation of New Jersey
Application July 3, 1940, Serial No. 343,732
6 Claims. (Cl. 59—80)

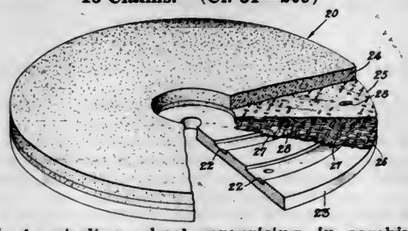


1. In bracelet band construction, in combination, a series of elements extending transversely of said band, hook-shaped edges formed on said elements, said hook-shaped edges of each of said elements interlocking with the hook-shaped edges of its adjacent elements, and a wrapping covering said elements, said wrapping being the sole means to prevent movement of said elements transversely of said band with respect to each other in both vertical and horizontal directions and thus to hold securely said elements in interlocked relationship.

2,246,222
BATTERY PLATE BINDER
Clarence A. Rodgers, Indianapolis, Ind.
No Drawing. Application March 8, 1939, Serial No. 260,557
2 Claims. (Cl. 136—26)

1. A binding agent for lead plate secondary batteries which consists of the paste from used positive plates plus iron oxide in a relatively small quantity on the order of approximately .35% by weight.

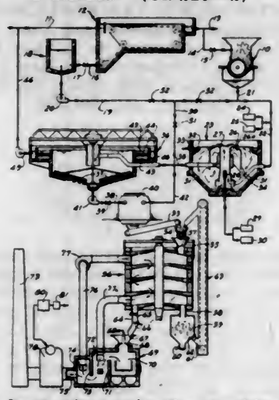
2,246,223
GRINDING DISK
Ingle R. Shue, Beloit, Wis., assignor to Gardner Machine Company, South Beloit, Ill., a corporation of Illinois
Application January 7, 1939, Serial No. 249,716
15 Claims. (Cl. 51—209)



1. A grinding wheel comprising, in combination, a supporting member and a grinding mem-

ber in face to face relation and readily separable from each other, said members being provided with interlocking means to resist radial stress located intermediate the center and periphery of the members, and detachable means extending into the grinding member to secure said members together.

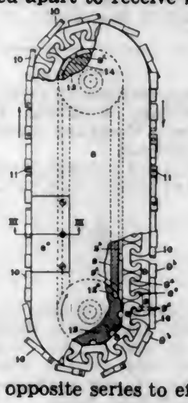
2,246,224
DISPOSAL OF GARBAGE OR GARBAGE AND SEWAGE SLUDGE AND THE LIKE
Philip B. Streander, Maplewood, N. J., assignor to Municipal Sanitary Service Corporation, a corporation of New York
Application October 27, 1937, Serial No. 171,271
4 Claims. (Cl. 210—2)



1. In a degreasing unit, the combination with a tank, a central draft tube, means for introducing an influent mixture of liquid and comminuted material into the lower part of the draft tube and means for distributing the mixture passing from the upper end of the draft tube over the surface of the mixture in said tank, of means for introducing fine bubbles of gas into the lower part of the draft tube to effect an upward flow therethrough and to produce a froth adapted to take up the grease and form at the surface of the mixture in the tank a scum which can readily be removed, and baffle means preventing the downwardly flowing mixture at the periphery of the tank from passing directly into said central portion of the tank thereby enabling the collection of said scum at the surface, and means for withdrawing the degreased mixture from the central part of the tank above the lower limit of said baffle means, such withdrawing means comprising an annular channel surrounding the draft tube and receiving the degreased mixture from above, and means for discharging the degreased mixture from said channel to the outside of said tank.

2,246,225
CUTTING CHAIN
Scott Van Etten, Mifflin Township, Franklin County, Ohio
Application June 22, 1940, Serial No. 341,872
5 Claims. (Cl. 262—28)

5. A cutting chain of the kind described including a series of inner link members having means thereon whereby they may be power driven, and a series of outer cutting tool carrying link members, the body portions of each of said link members being substantially of block-like form and having at each of its opposite ends a leg curved toward the other, said legs on each link being spaced apart to receive between them

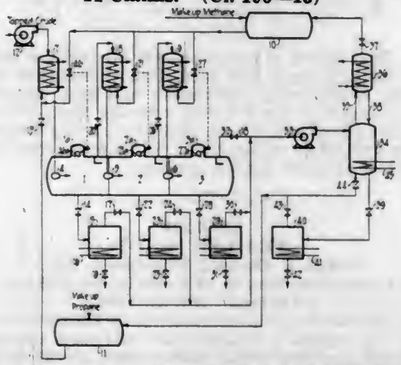


two links of the opposite series to effect the concatenation.

2,246,226
REFRACTORY
Samuel F. Walton, Hamburg, N. Y., assignor to The Exolon Company, Blasdell, N. Y., a corporation of Massachusetts
No Drawing. Application September 23, 1936, Serial No. 102,246
7 Claims. (Cl. 106—64)

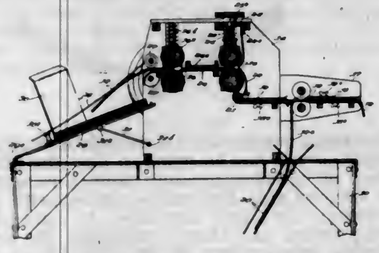
1. A batch mixture for forming refractory bodies comprising a refractory grog and a bonding mix for bonding the same, said mix comprising a high alumina hydraulic cement and a crystalline fused aluminum oxide towards which the cement is reactive at ordinary ceramic temperatures to form a refractory bond having a higher melting point than the hydraulic cement, the proportions of the bonding mix being approximately 50% cement and 50% aluminum oxide.

2,246,227
EXTRACTION PROCESS
Wells Alan Webb, Albany, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 17, 1939, Serial No. 251,345
11 Claims. (Cl. 196—13)



1. A process for separating a high molecular weight mixture into fractions having different properties, comprising the steps of subjecting said mixture to the precipitating action of a low molecular weight treating agent dissolved in the mixture in its paracritical state under a superatmospheric pressure to form non-gaseous phases of different densities containing different portions of said mixture, separating said phases, increasing the pressure on the separated lighter phase, vaporizing the treating agent from the separated lighter phase at a pressure higher than said superatmospheric pressure, and commingling said vaporized treating agent with a subsequent quantity of the high molecular weight mixture without increasing the pressure on said vaporized treating agent.

2,246,228
BURSTING MACHINE
Charles L. Winter, Chicago, Ill., assignor to United Autographic Register Co., a corporation of Illinois
Application February 26, 1940, Serial No. 320,948
3 Claims. (Cl. 164—84.5)



1. A machine for automatically bursting a continuous web of stationery into separate forms at lines of weakening between forms, comprising: a frame; a pair of front coacting feed-rolls journalled in said frame; a guide roll journalled in the frame adjacent to one of said front feed-rolls so as to direct a web of stationery into frictional contact with a substantial portion of the periphery of the roll before said web is gripped between the rolls; and a pair of rear feed rolls journalled in said frame and driven in timed relation to and slightly faster than the front rolls, said rear rolls being disposed so as to apply increasing tension in the web between the pairs of rolls progressively from one edge to the other.

2,246,229
MEAT TYING AND SUPPORTING HANGER
Josef Wohlmuth, Wilkinsburg, Pa., assignor of one-half to Henry Wagerer, Pittsburgh, Pa.
Application June 14, 1939, Serial No. 279,161
2 Claims. (Cl. 17—44.2)

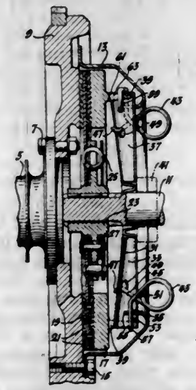


1. A suspension member for shaping and supporting meat products during the curing and smoking thereof, consisting of a support having a hook arm at one end and a recess at the other end, a plurality of oppositely disposed parallel notches intermediate the ends of the support for engaging the free end of the meat casing, the notch adjacent the recessed end of the support terminating in alignment with said recess for looping the meat casing from said notch around said recess and into the upper notch whereby the meat casing is placed and maintained under tension by the weight of the meat hanging from said support.

2,246,230
SPRAY OIL
Wallace J. Yates, Martinez, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 29, 1939, Serial No. 264,738
9 Claims. (Cl. 167—28)

1. An emulsifiable spray oil composition comprising a mineral oil and a small quantity of an unsaponified fluid castor oil thermally treated under conditions to effect a change in its viscosity and molecular weight and to render it soluble in mineral oils.

2,246,231
CLUTCH
John O. Almen, Royal Oak, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 16, 1939, Serial No. 279,412
4 Claims. (Cl. 192—68)

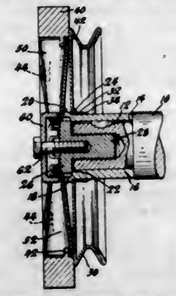


1. In a clutch, a flywheel, a cover, a pressure plate, a driven plate between the flywheel and pressure plate, a main spring engaging the pressure plate and reacting on the cover, auxiliary springs to withdraw the pressure plate, each auxiliary spring having a weighted mass subject to centrifugal force to supplement the pressure of the main spring on the pressure plate, each of said auxiliary springs having parts engaging said pressure plate and cover and terminally connected to said main spring.

2,246,232
VIBRATION SUPPRESSOR
John O. Almen, Royal Oak, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 4, 1940, Serial No. 364,146
9 Claims. (Cl. 74—574)

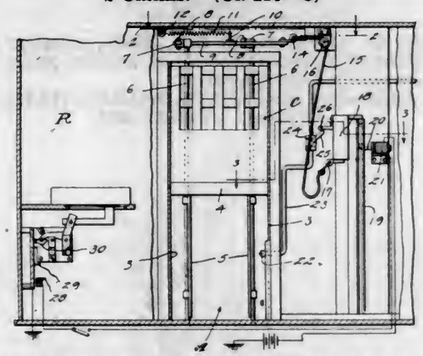
1. Means for suppressing vibrations in a shaft comprising an annular inertia body, a disk spring having radial corrugations extending from the

central portion to the outer circumference, means for attaching the annular body to the outer por-



tion of the spring, and means for connecting the central portion of the spring rigidly to a shaft.

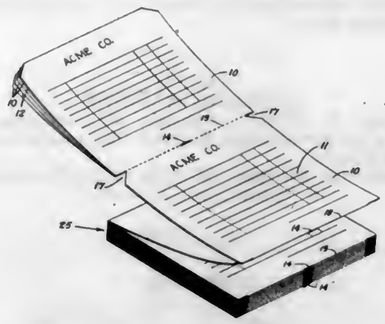
2,246,233
WARNING SIGNAL
Nelson F. Anderson, Los Angeles, Calif.
Application September 7, 1940, Serial No. 355,863
2 Claims. (Cl. 116—6)



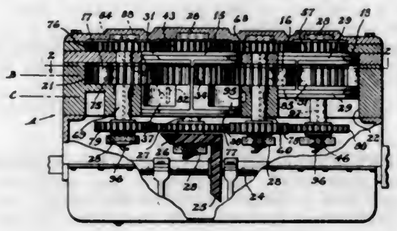
1. In combination with a wall having an opening, a movable closure member for the opening, releasable means for normally holding the closure member in open position, a weighted member, releasable means for holding said weighted member raised, a nozzle supported in a position to direct a stream of water in a direction toward the approach side of the opening, a pipe line in communication with said nozzle and leading from a source of liquid supply, a normally closed valve structure interposed in said pipe line, said valve structure having a part extending within the path of downward travel of the weighted member when said valve structure is closed, and means for releasing the weighted member from its raised position previous to the release of the holding means for the closure member, said weighted member in its downward movement contacting the part of the valve structure in the path of such downward movement of the weighted member to open said valve structure to permit discharge of liquid from the nozzle said weighted member in its downward movement also releasing the holding means for the closure member.

2,246,234
MANIFOLDING
Louis C. Antrim, New York, N. Y., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application January 26, 1938, Serial No. 187,045
18 Claims. (Cl. 282—12)

1. A manifolding pile having a plurality of superposed and interleaved record and transfer strips divisible into sheet-lengths, said strips having in their lateral margins feed-arresting apertures at sheet-length intervals, and said strips having means located at sheet-length intervals for securing the strips of the pile together in registration, said feed-arresting apertures being adapted to be entered by strip-engaging frictional feeding means after a sheet-length of said manifolding pile has been fed so that the pile is relieved of feeding pressure and the several strips become free for relative movement into registration fixed and controlled by said strip securing means and thereby dissipate the creep inherently accumulated in the pile during the frictional feeding of one sheet-length.



2,246,235
INTERNAL COMBUSTION ENGINE
Benson H. Sparling Beach, Ottawa, Ontario, Canada
Application January 18, 1939, Serial No. 251,635
11 Claims. (Cl. 123—13)



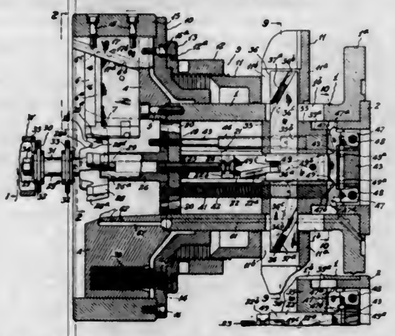
1. In an internal combustion engine, a cylinder block, a rotatable power member formed with a series of compartments adapted to form peripherally arranged combustion chambers and rotatably mounted in the cylinder block, rotary means for conducting a supply of air and a supply of combustible fuel to the combustion chambers, a ring gear rotatably mounted within the power member, a rotary compressor member engageable with the ring gear in the power member for sealing purposes and adapted to displace combustible fuel from one portion of the combustion chambers and to compress the combustible fuel in another portion of the said combustion chambers, sparking means for igniting the combustible fuel in the combustion chambers, rotary means for scavenging spent gases of combustion and harmonizing gears for regulating and coordinating the movement of the rotary members.

2,246,236
ARTIFICIAL CASING
Oskar Walter Becker, Heidelberg, Germany, assignor to the firm Naturin-Werk Becker & Co., Weinheim, Baden, Germany
Continuation of application Serial No. 137,858, April 19, 1937, which is a division of application Serial No. 80,647, May 19, 1936. This application May 17, 1939, Serial No. 274,286. In Germany May 23, 1935
6 Claims. (Cl. 99—176)



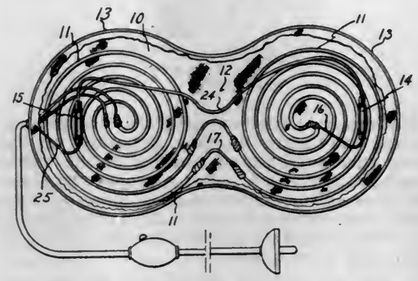
1. An artificial spiral structure, comprising an extruded, tubular, seamless casing of uniform wall thickness of hardened and dried undamaged animal fibers produced from chemically swollen plastic, kneaded, protein fiber-containing masses of animal origin.

2,246,237
APPARATUS FOR CUTTING THREADS
William L. Benninghoff, Shaker Heights, Ohio
Application December 26, 1939, Serial No. 310,890
15 Claims. (Cl. 10—120.5)



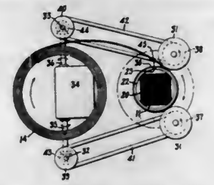
1. In apparatus for cutting external taper threads, the combination of an axially chambered tool body; a thread-forming cutter operatively mounted on the tool body to permit receding movement of the cutter transversely of the body; and means operatively supported by the tool body for causing such movement of the cutter when the tool body and the work are given relative rotational and axial movement, said means comprising a structure movably mounted on the body and operatively connected to the cutter, a work-engaging slide mounted for axial movement on the tool body, devices forming an operative connection between the said structure and the said slide and operable by relative axial movement of the tool body and the work gradually to move the said structure to effect gradual retraction of the cutter relative to the work during the thread-forming operation, and mechanism operable at the end of the thread-forming operation rapidly to further retract the cutter, the latter mechanism being adjustable to vary the point in the relative movement of the tool body and the work at which the cutter is rapidly retracted and thereby vary the length of the thread cut and being adapted by its adjustment to simultaneously correspondingly move the cutter-actuating part of the said structure, whereby the nominal diameter of the thread cut by the operation of the apparatus is not affected by variation of the length of the relative movement of the tool body and the work which effects the said variation of the length of the thread cut.

2,246,238
ELECTRICAL HEATING PAD
William Bradford, Taunton, Mass.
Application June 30, 1939, Serial No. 282,121
5 Claims. (Cl. 219—46)



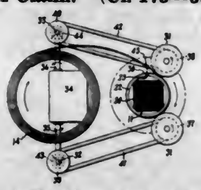
1. An electrical heating pad having two lobes separated by a relatively narrow neck, each lobe comprising an electric heating element, the two elements being connected in series with the line and with each other, a combination high and low temperature thermostat located in each lobe, each thermostat having its high terminal connected to the heating element and having its low terminal connected to the low terminal of the other thermostat, and a circuit including a switch for short circuiting the low temperature thermostats.

2,246,239
WOUND CORE ASSEMBLING ARRANGEMENT
Frederick F. Brand, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application March 22, 1938, Serial No. 197,533
5 Claims. (Cl. 29—155.5)



1. The method of producing an assembled core and winding, said method including the steps of winding a strip of magnetic sheet material into a coil of the size required to surround closely a leg of an electric current conducting winding, heat treating the coil to remove strains from the magnetic material and give it a set, unwinding the strip and simultaneously forming it into a temporary coil with the outside layer of the original coil forming the inside layer of the temporary coil, placing a cylindrical winding form around the leg of the current conducting winding, securing the end of the strip to the said winding form, and rotating said form to wind the strip substantially into its original shape in which it was heat treated.

2,246,240
WOUND CORE STATIONARY INDUCTION APPARATUS
Frederick F. Brand, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Original application March 22, 1938, Serial No. 197,533. Divided and this application December 19, 1940, Serial No. 370,894
1 Claim. (Cl. 175—356)



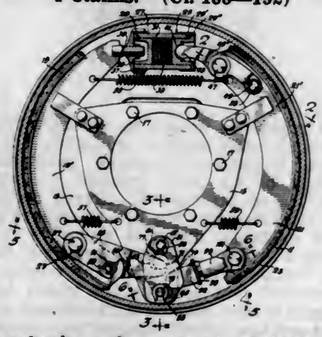
Stationary induction apparatus comprising a current conducting winding structure, an insulating tube surrounding one leg of the winding structure, said tube having a groove cut therein axially, a coil of magnetic strip material wound into a core surrounding said insulating tube, the inner end of said strip having a crimp fitting into the groove in said tube.

2,246,241
THERMOMETER
John L. Chaney and Ralph C. Wappner, Springfield, Ohio
Application July 15, 1940, Serial No. 345,536
1 Claim. (Cl. 73—374)



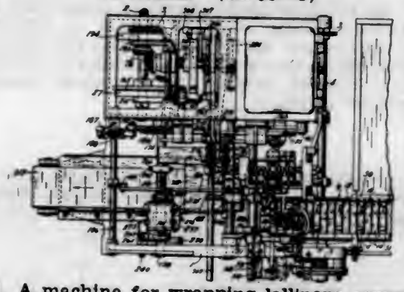
In a thermometer, a casing, a thermometer tube and indicia bearing member located in said casing, said casing being elongated as to width, the front wall of said casing being transparent and having an elongated indentation the front face of which is substantially concave and the inner face of which is substantially convex.

2,246,242
BRAKE
Theron P. Chase, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 16, 1939, Serial No. 295,205
4 Claims. (Cl. 188—152)



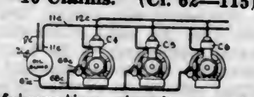
1. In a brake, a drum, a pair of shoes frictionally to engage the drum, spreading means between one pair of adjacent shoe ends, mechanism to anchor and connect said other pair of shoe ends whereby each shoe is adapted to act directly as a self-energizing shoe and also to act as a servo device to actuate the other shoe, said mechanism comprising a lever positioned between the second pair of adjacent ends, two pivot members about either of which said lever may rotate, a link pivoted to each shoe, said links engaging said lever, one near each pivot member and at a distance from the axis of said pivot member less than the radius thereof.

2,246,243
MACHINE FOR WRAPPING LOLLIPOPS
Francis Ross Clark, Springfield, Mass., assignor to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts
Application September 26, 1938, Serial No. 231,779
34 Claims. (Cl. 93—5)



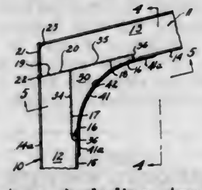
1. A machine for wrapping lollipops comprising an endless conveyer having a straight run and a semi-circular run, a series of clamps carried by the conveyer each formed to engage opposite sides of the partially wrapped head of a lollipop with the lollipop stick extending at right angles to the direction of travel of the clamp, means to deliver to each of said clamps a lollipop having a wrapper draped in U-form around its head with an intermediate portion of the wrapper extending across the end of the head and the ends of the wrapper extending in the direction of the stick, folding means adjacent the straight run of the conveyer to complete the folding of the wrapper around the head of the lollipop while the wrapper and lollipop head are held by said clamp, and twisting means adjacent the semi-circular run of the conveyer to twist the wrapper around the lollipop stick while the wrapper and lollipop head are still held by said clamp.

2,246,244
REFRIGERATION
John C. Consley, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application June 19, 1940, Serial No. 341,385
10 Claims. (Cl. 62—115)



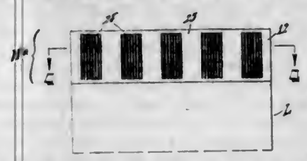
1. A refrigerating circuit containing volatile refrigerant and comprising a plurality of compressors connected in parallel between a suction line and a discharge line, and a condenser, expansion valve and evaporator connected in the order stated between the discharge line and the suction line, said compressors being each of the type having a crank case subject to compressor intake pressure and containing oil for lubricating the compressor; flow retarding means interposed between the suction line and each compressor intake and serving to cause crank case pressure of any operating compressor to fall below suction line pressure as an incident to such operation; means for recovering from said circuit oil leaving the compressors with refrigerant; a sump to which said recovered oil is delivered; means connecting said sump, at a level above oil therein, with said suction line; and liquid level controlled means responsive to the levels of oil in corresponding crank cases and controlling flow of oil from said sump to such crank case.

2,246,245
RIGID WELDED FRAME
Hugo Eckart and James E. McClellan, Los Angeles, Calif.
Application June 21, 1940, Serial No. 341,700
2 Claims. (Cl. 189—36)



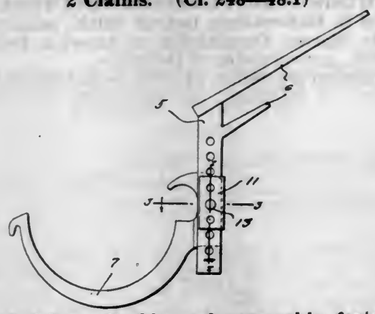
1. A structure including two webbed and flanged structural members meeting and joined together at an angle with their webs in a common plane and with their inner flanged edges defining an included angle of less than 180°, the two members being recessed along their inner angularly disposed edges, their recesses beginning at the meeting point of the two webs and the ends of their recesses being defined by substantially square thrust shoulders at the termini of their flanges and the sides of their recesses being defined by web edges substantially parallel to their lengths, a gusset plate having side edges fitting against and welded to said recess web edges, having end thrust shoulders substantially square to the side edges and fitting against and welded to the thrust shoulders which define the ends of the recesses, and the gusset plate having a curved flange welded thereto, forming a continuous connection between the flanges of the members and welded thereto.

2,246,246
ARTICLE OF WEARING APPAREL AND METHOD OF MAKING IT
Gustav Gastrich, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application August 12, 1936, Serial No. 95,592
20 Claims. (Cl. 66—173)



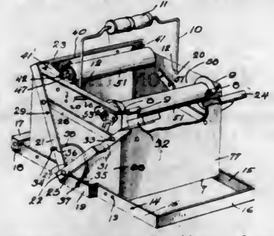
1. A knitted garment comprising a multi-layer portion including an outer layer of inelastic yarn, and an inner layer embodying an area of inelastic yarn extending walewise while the garment is in use and alternate elastic and inelastic areas only the elastic areas of which positively contact the skin of the wearer.

2,246,247
ADJUSTABLE FASTENER FOR RAINSPOUT HANGERS
John I. Godshalk, Bangor, Pa., assignor of one-half to Albert J. Daily, Bangor, Pa.
Application July 9, 1940, Serial No. 344,607
2 Claims. (Cl. 248—48.1)



1. Quick applicable and removable fastening and adjusting means for complemental juxtaposed sections of a sectional eavestrough hanger, wherein said sections are characterized by longitudinally shiftable laterally separable members having interfitting key and keyway abutting surfaces, said members having adjustably registrable bolt holes; said means comprising an elongated channel-shaped assembling and retaining clip, the side flanges of said clip snugly embracing adjacent outer surfaces of said members to prevent lateral parting thereof, said flanges having longitudinally spaced pairs of opposed apertures selectively registrable in pairs with the bolt holes, and a tapered friction retained drive-pin passing through a selected pair of apertures and registered bolt holes and serving to separably assemble the parts.

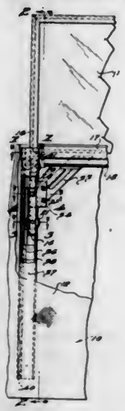
2,246,248
MOP WRINGER
John Grosser, Boston, Mass.
Application September 8, 1938, Serial No. 229,006
6 Claims. (Cl. 15—262)



5. In a device for application of roller pressure, a container, a first roller mounted for rotation between opposing walls of said container, a second roller aligned parallel to said first roller, a supporting means for said second roller pivoted on an axis parallel to said first roller and adapted for reciprocative movement to carry said second roller into engagement with said first roller, a bail mounted on an axis parallel to said rollers at approximately the middle part of said container, means carried by said bail and engaging said container for providing a frictional association between the said last means and the container whereby the said bail is movable only as a result of a direct application of force thereto, the said second roller supporting means comprising a portion adapted to engage and thereby

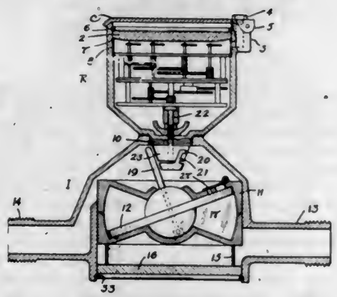
rotate said ball in a direction away from said second roller into a zone of non-interference with the functioning of the rollers.

2,246,249
WINDOW SUPPORTING STRUCTURE
Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application December 14, 1938, Serial No. 245,575
1 Claim. (Cl. 296—44.5)



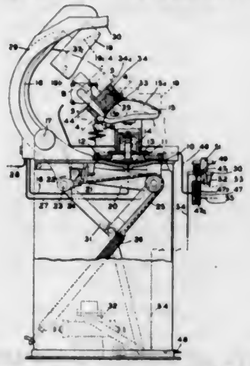
In combination in a vehicle door, a vertically movable window, guideways on the door adjacent the front and rear edges of the latter and having converging sides extending in generally vertical directions, guide means on the window and engaging one of the guideways, a tiltable carriage on the window in the plane of the window and having vertically spaced rollers engaging the other guideway, said rollers having converging sides mateable with those of the guideways and spring means relatively urging said guideways towards the rollers to provide the sole means for guiding and retaining the window against movement.

2,246,250
METER CONSTRUCTION
Frederick W. Hanks, Cleveland, Ohio
Application March 30, 1938, Serial No. 198,924
14 Claims. (Cl. 73—258)



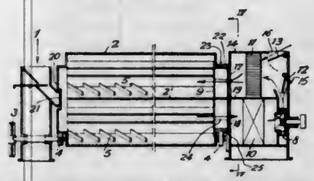
1. A fluid meter, comprising a casing in sections including a section enclosing registering mechanism and a section for enclosing a fluid-impelled metering disc, a screw-threaded joint between the sections, a closure over the registering section, a peripheral groove in the apposed portion of said last-named section adjacent said closure, strain-yieldable soft metal solder in said groove for maintaining said closure in position, a cylindrical metering housing around the metering disc and positioned in said metering casing section, inlet and outlet connections for said latter section, a spindle projecting from the metering disc, a glass guide on which said spindle moves, and an arm and shaft revolved by said spindle to rotate the registering mechanism, said arm having a thrust-head extension, an annular strainer seated with one edge against the housing of said disc and guarding the inlet of the metering casing, inlet-port holes in the end wall of the disc housing which is toward the inlet of the metering casing, outlet-port holes in the other end wall of the disc housing, a radial partition in said housing separating said inlet and outlet-port holes, said metering disc having a slot to ride said partition, a pressure compensating opening through the disc on each side of said partition, a closure for the metering section of the casing, a peripheral groove in the apposed portion of the metering section adjacent said closure, and strain-yieldable soft solder in said groove for maintaining said closure in position.

2,246,251
PRESSING MACHINE
Angus F. Hanney, Norwood, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application May 9, 1938, Serial No. 206,728
10 Claims. (Cl. 223—57)



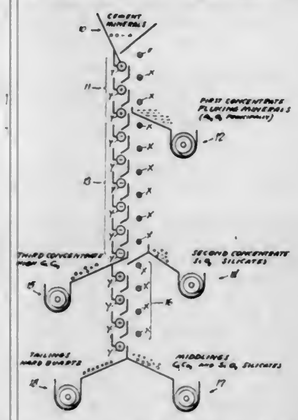
1. In a shirt pressing machine, a frame, a buck upwardly convex and having front and back yoke supporting portions, a neckband and collar supporting portion extending upwardly from one of said yoke supporting portions in a manner to support a collar substantially in the same position relative to the yoke of the shirt as said parts occupy when on the body of a wearer, said buck being mounted for vertical movement in said frame, a head lever pivotally mounted in said frame, a pressing head on said lever and oscillatable thereby to and from a position over said buck, said head having surfaces including a cut-out portion adapted to press against said yoke supporting portions right up to the junction line of the latter with said neckband and collar supporting portion, means for moving said head into position above and with its surfaces substantially parallel to said yoke supporting portions of said buck and for holding it there, and means for moving said buck vertically into pressing engagement with said head.

2,246,252
DRYING APPARATUS
Charles Hummel, Niederuzwil, Switzerland, assignor to Gebrüder Bühler, Uzwill, Switzerland
Application December 14, 1939, Serial No. 309,283
In Germany February 1, 1939
6 Claims. (Cl. 34—109)



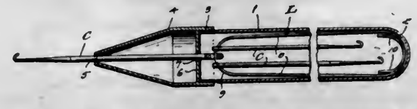
1. An apparatus for drying paste goods, comprising a rotatable drum adapted to receive the goods to be dried, partition walls within said drum for subdividing the drum in a plurality of axially extending compartments communicating with each other at one of their ends, means for distributing the goods within said compartments, a screen for closing the other ends of said compartments, means for creating a circulating stream of air passing through the drum, and means adjacent the screened ends of said compartments providing fixed air inlet and outlet openings whereby upon rotation of said drum each compartment successively passes with the screened end thereof in front of said air inlet and outlet openings.

2,246,253
PROCESS OF MAKING CEMENT
Herbert B. Johnson, Rochester, N. Y., assignor to Ritter Products Corporation, Rochester, N. Y., a corporation of New York
Application November 18, 1937, Serial No. 175,299
8 Claims. (Cl. 106—100)



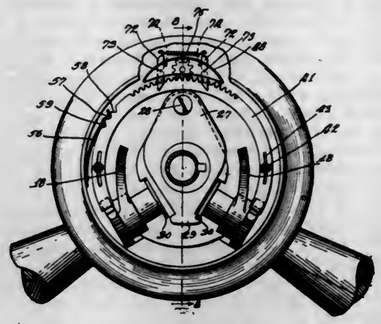
1. In the dry method of manufacturing cement, the steps which comprise: successively passing finely divided raw cement material between a plurality of pairs of oppositely charged electrodes and in close proximity to the positive electrodes and thereby separating out a fluxing concentrate, successively passing the balance of the raw cement material between a plurality of pairs of oppositely charged electrodes and in close proximity to the negative electrodes and thereby separating out a $CaCO_3$ concentrate, and successively passing the remaining balance of the raw cement material between a plurality of pairs of oppositely charged electrodes and in close proximity to the positive electrodes and thereby separating the same into a hard quartz concentrate and a middling portion containing principally $CaCO_3$ and SiO_2.

2,246,254
CROCHET SET
Stanley W. Johnston, Green Bay, Wis.
Application November 7, 1940, Serial No. 364,713
3 Claims. (Cl. 66—118)



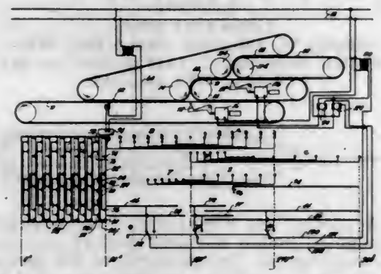
1. A crochet set comprising, in combination, an elongated hollow member open at one end, a removable cap for the open end of the member, the outer portion of the cap being provided with a restricted opening, the inner portion of the cap having a part therein having a restricted opening aligned with the opening in the outer portion of the cap, a crochet hook insertible through said aligned openings of the cap, and means carried by the rear portion of the crochet hook extending within the hollow member and frictionally coacting with the internal wall of the hollow member for releasably holding said rear end portion of the hook within the hollow member.

2,246,255
STEERING WHEEL
John Juergens, Chicago, Ill., assignor of seven per cent to Louis G. Bunker, Chicago, Ill.
Application June 8, 1938, Serial No. 212,444
4 Claims. (Cl. 177—339)



4. In an automobile having two relatively movable members, said members comprising a rotatable steering member and a fixed member closely associated therewith, a switch adapted to control turning signal circuits, an oscillatable element on said rotatable member for controlling said switch, a pair of oppositely disposed ratchet pawls resiliently mounted in opposed operative relation on said oscillatable element, manual means to move said switch to either of two circuit selecting positions and simultaneously extend one of said pawls more than the other, means on said fixed member to co-operate with the extended pawl when the rotatable steering member is returning to normal position after a turn is made to cause said pawls and switch to return to normal non-co-operative neutral position.

2,246,256
FOLDING MACHINE
Leo M. Kahn, New York, N. Y., assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application May 23, 1939, Serial No. 275,158
In Great Britain May 23, 1938
18 Claims. (Cl. 270—81)



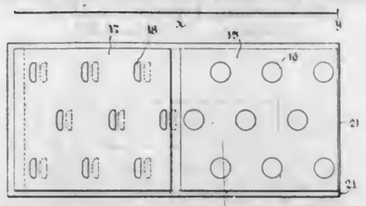
1. In a device for folding articles, the combination comprising a plurality of movable elements, means for spacing said elements at a distance which is a function of the length of an article to be folded, means for moving said elements, while so spaced, to some predetermined position, and folding means set in operation by said elements in said position and adapted for folding said article.

2,246,257
SEPARATION OF ORGANIC MIXTURES
Gerhard Kohn, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 24, 1939, Serial No. 281,057. In the Netherlands July 2, 1938
8 Claims. (Cl. 196—13)

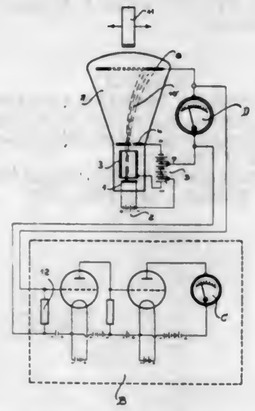
1. In a process for separating a mixture of organic compounds, the steps comprising extracting said mixture with an oxy-hydrocarbon solvent containing less than 10 carbon atoms at least a portion of which is in loose chemical combination with a salt of a metal selected from the right hand column of the IV, V and VI groups of the periodic system, said salt being stable under the conditions of the extraction, under conditions to form two layers, one being a liquid solvent layer containing at least a major portion of said salt in substantially unaltered condition and a portion only of said mixture, and the other comprising a residual portion of said mixture undissolved in said solvent and separating said layers, said mixture being chemically substantially inert to said salt under the conditions of the extraction.

2,246,258
METHOD OF MAKING HEAT EXCHANGE APPARATUS
Edward G. Lehman, York, Pa., assignor to York Ice Machinery Corporation, York, Pa., a corporation of Delaware
Application October 12, 1938, Serial No. 234,681
3 Claims. (Cl. 113—118)

1. The method of producing a series of fin plates having registering tube openings which must align irrespective of the unavoidable inaccuracies in the construction of the punching die, and spacing bosses which must not align on successive fin plates, which method consists in operating on a fin blank at two successive stations, in one of which a pair of dies produces the bosses and in the other of which another pair of dies produces the openings, the two pairs of dies operating simultaneously on two successive blanks and the boss-forming die only being shifted relatively to its blank positioning means after each operation, whereby the completed plates may be stacked in the positions they occupy as they come from the machine with their openings in strict register and their bosses always out of register.

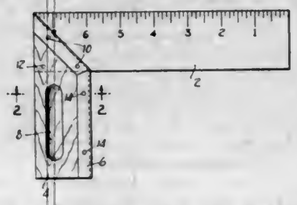


2,246,259
APPARATUS FOR MAKING GEOPHYSICAL OR OTHER MEASUREMENTS
Ludwig Machts, Marburg, Germany
Application February 17, 1939, Serial No. 257,025
In Germany February 18, 1938
3 Claims. (Cl. 175—182)



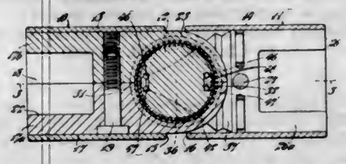
1. In an instrument for exploring magnetic fields, a cathode-ray tube adapted for operation on low voltage and having an annular anode positioned transverse of the electron stream from the cathode and positioned relatively near the cathode and further having an auxiliary annular electrode mounted substantially co-axial with said anode and positioned in said tube transverse of the electron stream and relatively remote from the cathode, means for supplying to said anode a potential positive with respect to said cathode, means for supplying to said auxiliary electrode a potential positive with respect to the cathode of value smaller than is supplied to said anode, and means for measuring the current delivered from said auxiliary electrode, said apparatus with particular reference to the interior diameters of said annular anode and auxiliary electrode and the respective positions of said anode and electrode being so constructed and arranged that when there is no non-axial magnetic field component acting on the tube substantially all of the electron stream will pass through the aperture in said auxiliary electrode, but under an applied non-axial component of magnetic field a portion of said electron stream will impinge on said auxiliary electrode whereby a current will flow through said measuring instrument.

2,246,260
TRY SQUARE
Nicholas B. McGrath, Southington, Conn., assignor to The Southington Hardware Company, Southington, Conn., a corporation of Connecticut
Application August 5, 1939, Serial No. 288,476
1 Claim. (Cl. 33—112)



A try square comprising in combination a scale, a stock provided with a slot for reception of the scale, a channel metal trim for the inner edge of the stock likewise provided with a slot for reception of the scale, said trim fitting snugly over the inner edge of the stock with its sides overlying a substantial area of the sides of the stock, and rivets extending through said trim, stock and scale with their upsets on the outer surface of the sides of said trim whereby the parts are held in fixed relation.

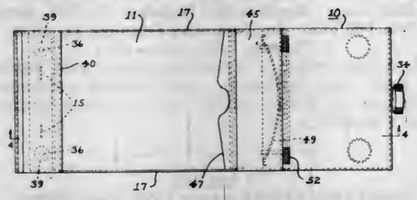
2,246,261
UNIVERSAL JOINT
Arthur John Mollart and John Charles Hendra, Surbiton, England
Application May 29, 1940, Serial No. 337,907
In Great Britain June 29, 1939
10 Claims. (Cl. 64—16)



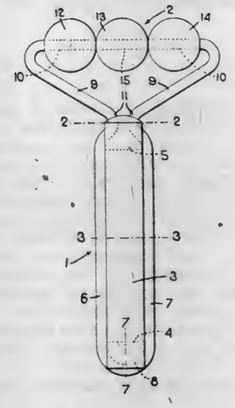
1. A universal joint comprising a pair of elements to and from which the drive is taken, said elements being positively connected together by a ball member which is formed with a pair of circumferential grooves, disposed in planes substantially at right angles, and having a common centre, characterised by the fact that said grooves are of different diameters and are engaged by corresponding annular portions formed on the elements, each annular portion being arranged to embrace the ball member through substantially 360°, and that annular portion engaging the smaller diameter groove being disposed inside the annular portion of the other element.

2,246,262
PAD AND HOLDER THEREFOR
Nels H. Nelson, Dayton, Ohio
Application January 29, 1940, Serial No. 316,077
12 Claims. (Cl. 281—44)

1. A portable holder for a pad of connected sheets comprising a pad-supporting plate having means operable to fasten one end of a pad in place thereon, a container supporting said plate for substantially vertical movement therein, said container at its upper portion having an opening adapted to expose the upper sheet of a pad and having a top wall providing an area for supporting a person's hand while using the pad, and means accessible from the exterior of said container and operable to raise the plate to position the upper sheet of the pad approximately flush with said hand-supporting area.



2,246,263
HANDLE FOR HAND IMPLEMENTS
Ralph J. Patterson, Waterville, Maine
Application March 19, 1940, Serial No. 324,777
1 Claim. (Cl. 306—19)

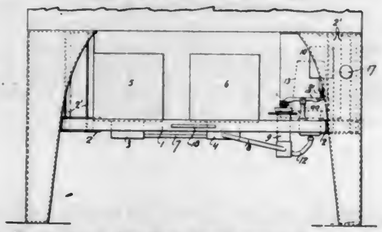


A handle for a hand implement, said handle comprising an elongated cylindrical body member having a transverse slot at each end, the two slots being parallel, and a frame member of wire bent centrally to form two straight parallel side sections connected by a bight portion, said bight portion occupying the slot in the outer end of the body member and the two side sections extending longitudinally of the body member at either side thereof and in contact therewith from one end to the other, the wire frame extending beyond the inner end of the body member and the extended portion forming two diverging arms having bent ends to form trunnions to support a rotatable operating member, the portion of each side of the frame between the straight side section and the corresponding diverging arm being bent inwardly into the slot at the inner end of the body portion, said inwardly bent portions being spaced from and unattached to each other, the wire of which the frame is composed being sufficiently resilient to maintain the unattached inwardly bent portions in the slot with the straight sections engaging the sides of the body member.

2,246,264
CONDENSATION PRODUCTS FROM POLYCARBOXYLIC ACIDS
Walter Pinkernelle, Krefeld-Uerdingen, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application October 19, 1937, Serial No. 169,795. In Germany October 31, 1936
9 Claims. (Cl. 260—475)

1. A monoester of a polycarboxylic acid having at least two carboxylic acid groups connected with two adjacent carbon atoms and a tertiary amine alcohol.

2,246,265
HEATING APPARATUS FOR USE WITH LIQUID FUEL
Arthur Whittaker Richardson, London, England, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application March 24, 1939, Serial No. 264,009
In Great Britain April 2, 1938
2 Claims. (Cl. 158—2)



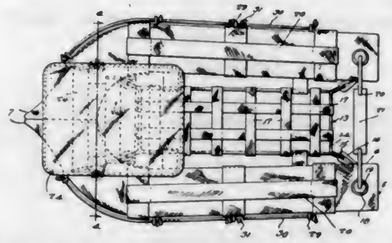
1. In a fuel feeding and control unit of the type described including a chamber adapted to receive a burner assembly, a tray adapted to slide into said chamber, means fixedly mounted in said chamber to support said tray, a well for liquid fuel mounted in said tray and adapted to receive a supply tank, a liquid fuel burner mounted on said tray, a delivery conduit between said well and said burner, a thermostatically controllable valve in said conduit, a thermostat fixedly mounted in said unit and direct contact actuating means between said thermostat and said valve non-rigidly connecting said thermostat and said valve, said actuating means comprising a fulcrum member rigidly mounted on said tray and a pivoted link member mounted on said fulcrum member.

2,246,266
MOUTHPIECE FOR MUSICAL INSTRUMENTS
Hanson Robinson, Wayne, Pa.
Application July 5, 1940, Serial No. 344,055
6 Claims. (Cl. 84—330)



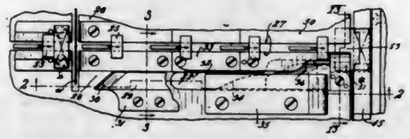
1. In a tubular musical instrument of the wind variety, the combination of a tube having an initially upwardly extending ear, with a mouthpiece comprising elastic material and extending into the otherwise open end of said tube, said ear being bent inwardly so as to engage within the material of said mouthpiece to prevent its separation from or turning with respect to said tube.

2,246,267
FLOAT OR RAFT
Joseph A. Sanches, New York, N. Y.
Application November 16, 1939, Serial No. 304,848
2 Claims. (Cl. 9—11)



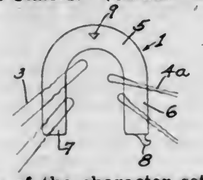
1. In a raft of the class described, a substantially U-shaped sectional frame composed of rigid strips and layers of buoyant material, tubular fasteners securing the strips and layers of buoyant material together and located adjacent the ends of the frame, a hinge connecting the sections of the frame and located at one end of the latter, a substantially U-shaped ladder depending from the frame and having angularly disposed end portions inserted in the tubular fasteners at one end of the frame and acting to prevent the sections of the frame from hinging relative to each other, vertical uprights inserted in the tubular fasteners at the other end of the frame, and a canopy pivoted on said uprights.

2,246,268
WRAPPING MACHINE
Elmer Lovell Smith, Longmeadow, Mass., assignor to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts
Application November 25, 1939, Serial No. 306,114
14 Claims. (Cl. 93—2)



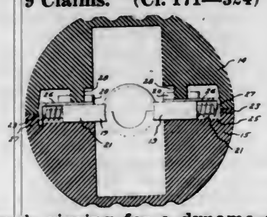
1. A wrapping machine comprising means for depositing at a station a partially wrapped article having a trailing wrapper extension, means for conveying the article away from said station, opposed stationary creasing members one located in the path of the wrapper extension of a wrapper being so conveyed, and the other substantially in the plane of one side of the article, said first named creasing member being tapered to roll the forward sides of the extension towards its center and to flatten said forward edge in that condition, a movable creasing member, means for moving said movable creasing member in the direction of movement of the article but at a faster speed to cause the rear side of the wrapper extension to be rolled towards its center and to press it against said second named stationary creasing member, and folding means operable to turn said flattened wrapper extension onto a face of the article.

2,246,269
ANCHOR HAIRPIN MAGNET
Jesse F. Sorenson, Long Beach, Calif.
Application August 4, 1939, Serial No. 288,373
2 Claims. (Cl. 132—1)



1. A device of the character set forth for removing hair pins from a woman's hair comprising a U-shaped magnet having a hook integral with one of its prongs; hooks provided in the rounded end of said magnet having one hook extending outward from one face and the other hook extending outward from the opposite face of said rounded end to grasp the shoulder cloth on the shoulder of a patron regardless of the position of the device to prevent said device from slipping therefrom while the hair is being dressed.

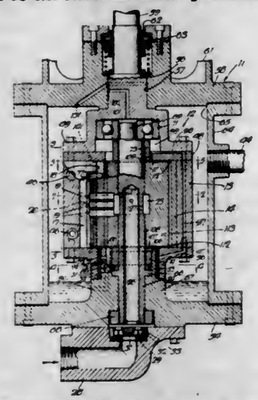
2,246,270
DYNAMOELECTRIC MACHINE
Julius H. Staak, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application July 10, 1940, Serial No. 344,723
9 Claims. (Cl. 171—324)



1. A brush rigging for a dynamo-electric machine having a casing including a brush holder of insulating material formed as a part of said casing, and means including a clip of conductive material having a relatively longer arm and a relatively shorter arm extending in different directions for retaining a brush in said brush holder, the shorter arm of said clip being secured to said casing for retaining said clip in position with the longer arm thereof forming a side for said brush holder.

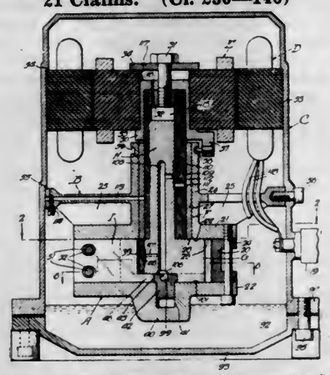
2,246,271
ROTARY COUPLE PUMP
William Ward Davidson, Evanston, Ill.
Application August 4, 1940, Serial No. 351,360
40 Claims. (Cl. 230—140)

1. In a compressor, a gas-tight dome, pump members within the dome including a rotatable hollow cylindrical member, a rotatable core member mounted therein in eccentric tangential relation, and end plates rigidly secured to one of said members to form with the other member a pump chamber, means dividing the chamber into intake and discharge sections, with the latter communicating with the dome, means for producing relative movement between the core member and the cylindrical member to produce a pumping action, said relatively movable pump members having infinitesimally small end clearances, a lubricating and gas sealing system associated with the compressor including a positive displacement oil pump, an oil reservoir, and one of said clearance spaces, said pump having a discharge passage from which and by which oil is directly delivered in a substantially uninterrupted column to an intermediate portion of said one



clearance space, said pump operating to force oil into said one clearance space at a pressure in excess of that within the dome, and means for returning excess oil from said passages to the reservoir.

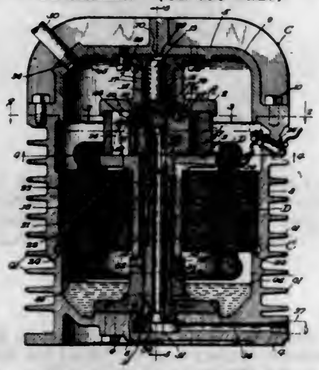
2,246,272
ROTARY PUMP
William Ward Davidson, Evanston, Ill.
Application August 4, 1940, Serial No. 351,359
21 Claims. (Cl. 230—146)



1. In a compressor, pump elements including a stationary headed-cylinder comprising an outer ring and end walls, and a piston within the cylinder mounted in eccentric tangential relation to the outer ring to form a crescent-shaped pump chamber, a blade dividing the chamber into intake and discharge stages, said blade being rigid with the outer ring and having a sealed fit with the end walls and ring, and a pivotally sliding sealed fit with the piston, inlet and outlet ports on opposite sides of the blade, driving means for moving the piston within the cylinder to produce a pumping action in the pump chamber, an auxiliary pump for delivering oil at pressures in excess of work pressures in the main pump chamber for more than one-half of the pumping cycle of the main pump including as pump members a cylinder formed in a recess in one of said elements and a piston in eccentric tangential relationship thereto, a blade for the auxiliary pump carried by one of the auxiliary

pump members and engaging the other thereof dividing said recess into intake and discharge sections, said auxiliary pump being actuated with the main pump by the driving means therefor to produce a pumping action with relative movement between the piston and cylinder of the auxiliary pump, an intake for the auxiliary pump adapted to supply a lubricant thereto, and discharge passage means for delivering the lubricant from the auxiliary pump to the clearances between the elements of the main pump.

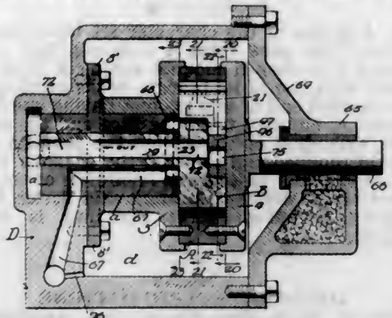
2,246,273
ROTARY PUMP
William Ward Davidson, Evanston, Ill.
Application August 19, 1935, Serial No. 36,877
34 Claims. (Cl. 230—140)



1. In a rotary pump, the combination of support and housing means forming a frame and also forming a sealed housing, pump members therein comprising a cylinder and a rotor, heads which close the ends of the cylinder and are fixed thereto and one at least of which is detachable, one of said cylinder heads provided with an opening into which a portion of the pump frame extends, the construction being such that the inner face of said extended portion of the pump frame is opposed to and parallel with the inner face of the other cylinder head, means for rotatably mounting said cylinder and rotor on the pump frame in eccentric, tangential relation, comprising a shank rigidly fixed to the rotor, said shank extending through said opening in a cylinder head, said shank being rotatably fitted to a bearing formed in the pump frame, a single vane rigidly secured to the cylinder and which flexibly connects the cylinder and the rotor and has rocking and sliding engagement with the rotor, and means for rotating said pump members applied to the cylinder, said pump being provided with fluid supply and discharge passageways which communicate with the pump chamber at opposite sides of the pump vane, one of which passageways comprises a section formed in the bearing shank of the rotor and both of which passageways communicate with other passageways formed through the frame and housing means.

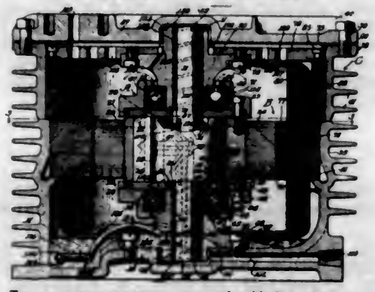
2,246,274
ROTARY PUMP
William Ward Davidson, Evanston, Ill.
Refiled for abandoned application Serial No. 688,169, September 5, 1933. This application February 6, 1936, Serial No. 62,874. Renewed September 25, 1937
12 Claims. (Cl. 103—121)

2. In a rotary pump the combination of a frame, pump members comprising a cylinder having an opening in one end thereof, and a rotor within said cylinder, means for rotatably mounting said cylinder and rotor on the pump frame, in eccentric tangential relation, comprising a shank rigidly fixed to one pump member and rotatably fitted to a bearing formed in the pump frame, a single vane secured to one pump member against radial sliding engagement therewith and which flexibly connects said pump members, said pump being provided with fluid supply and discharge passageways, a housing which encloses the opening in the end of the cylinder into



which housing fluid leakage from the pump will drain, means for sealing said housing to render it air tight, said housing being in open communication with the fluid intake of the pump, and means for rotating said pump members, comprising a driving shank extended from the pump member in which the vane is secured against radial sliding engagement, said last named shank being fitted to a bearing formed outside of the inner confines of the housing into which fluid leakage will flow, a section of the discharge passageway being formed in one pump member and the shank rigidly fixed thereto.

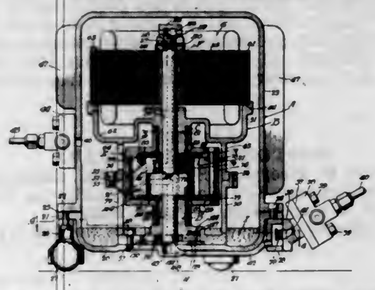
2,246,275
ROTARY PUMP
William Ward Davidson, Chicago, Ill.
Application July 31, 1936, Serial No. 93,633
3 Claims. (Cl. 230—139)



1. In a compressor, an air-tight dome, pump members within the dome including a rotatable hollow cylindrical member, a core member mounted therein in eccentric tangential relation for rotation about its own center, and end plates rigidly secured to one of said members and having infinitesimally small end clearances with the other to form a pump chamber, means dividing the chamber into intake and discharge sections comprising a blade rigidly secured to the same member to which the end plates are secured and having a sealed fit with said member and said end

plates, said blade having a sliding and rocking engagement with the other member, means for driving the blade through one of the elements rigid therewith to produce a pumping action, bearing supports for the pump members, and for at least one of said pump members on both sides thereof at points farther apart than the width of the pumping chamber, a lubricating and gas sealing system associated with the compressor including means adapted to deliver oil to said infinitesimal end clearances in sufficient quantity and at a pressure at least in excess of dome pressure to effectively seal said clearances against gas leakage, said cylindrical member being driven by a rotary motor surrounding the cylindrical member and substantially centered in the center plane of the cylindrical member, the rotor of the motor being carried by the cylindrical member and supported by its bearings.

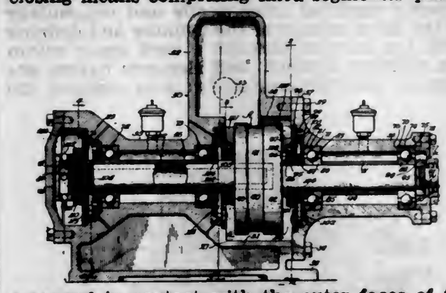
2,246,276
PUMP
William Ward Davidson, Evanston, Ill.
Application January 20, 1938, Serial No. 185,830
16 Claims. (Cl. 103—121)



1. In a rotary pump or the like, pump members comprising a cylinder, a rotor mounted in the cylinder in eccentric tangential relation thereto, end walls rigidly secured to the rotor and having sliding engagement with the cylinder, a vane extending between the rotor and the cylinder dividing the crescent-shaped space therebetween into intake and discharge stages having inlet and oulet ports respectively, said vane being rigidly fixed in one of the members and having rocking and sliding engagement with the other, bearing means for the cylinder extending laterally therefrom, bearing means for the rotor, and means for producing a pumping action between the rotor and the cylinder.

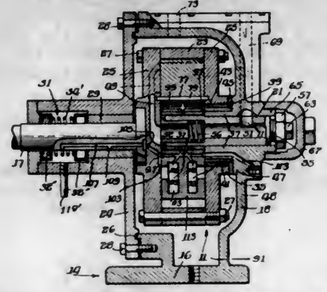
2,246,277
ROTARY PUMP
William Ward Davidson, Evanston, Ill.
Application October 16, 1936, Serial No. 105,958
14 Claims. (Cl. 103—121)

1. In a rotary pump of the kind described, a pump frame having a supply chamber, a rotary pump cylinder arranged in the chamber and adapted to be submerged in the supply liquid, heads for the cylinder, inlet ports extending longitudinally through the heads, a rotor within the cylinder and arranged in eccentric tangential relation thereto, a pumping vane having engagement with the cylinder and rotor, said inlet ports arranged on the suction side of said vane, and means in said chamber for closing said ports during the period of the cycle when the vane is at and closely adjacent to the point of tangency between the rotor and the cylinder, said port closing means comprising fixed segmental plates



arranged in contact with the outer faces of the cylinder heads.

2,246,278
COMPRESSOR
William W. Wishart, Chicago, Ill., assignor to Davidson Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application July 9, 1936, Serial No. 89,703
10 Claims. (Cl. 230—140)

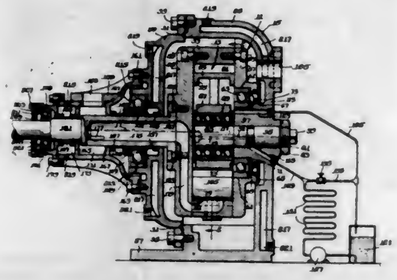


1. A pump or compressor comprising a frame and co-operating relatively movable elements including a cylinder and a piston within the cylinder, said elements being mounted on the frame with the axis of the cylinder eccentric with respect to the axis of the piston whereby said elements define a work space therebetween, means on said cylinder for connecting the same drivingly with a source of power for rotating the cylinder about its axis, said cylinder having a wall opening in an end wall thereof and having a duct in the opposite end wall, said duct extending substantially radially in said end wall and opening axially on the inner surface of said wall, said duct having outer portions in communication with said work space, said piston being carried on a shaft secured to the frame against all movement, extending into the cylinder through said wall opening and having an end disposed opposite said axial duct opening, said shaft having a conduit in communication with said axial duct opening whereby a work medium delivered in said work space may pass through said shaft channel and said radial duct, and sealing means carried by the shaft and engaging the facing surface of the cylinder end wall around the axial opening of the duct.

2,246,279
COMPRESSOR
William W. Wishart, Chicago, Ill., assignor to Davidson Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application June 26, 1935, Serial No. 28,478
2 Claims. (Cl. 230—205)

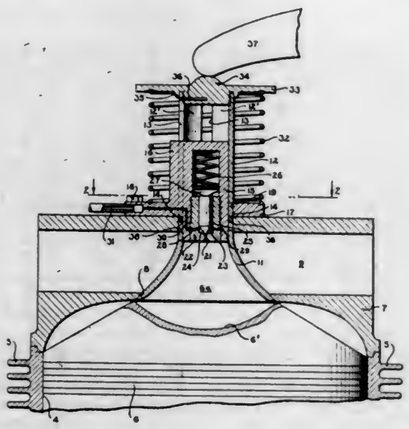
1. A rotary gas pressure device comprising a

cylinder element and a cooperating piston element movably mounted eccentrically and tangentially to the inner surface of the cylinder and defining with the cylinder element a work space within the cylinder element, said elements having engageable relatively shiftable working surfaces, and



means to deliver a liquid sealing medium between the engaging surfaces of the elements at a pressure greater than the maximum pressure developed in a fluid work medium in the work space, and adjustable means to regulate the pressure at which the sealing medium is so delivered.

2,246,280
ENGINE
Allan R. Wurtele, New Roads, La.
Application October 18, 1938, Serial No. 235,551
4 Claims. (Cl. 123—188)



2. In apparatus of the class described, a valve having a head portion and a hollow stem, the latter having at least one longitudinal slot therein extending to the end thereof opposite said head, means having an annular groove for receiving said end of the stem, one wall of said groove having threaded engagement and the other having sliding engagement with said stem, a unitary guiding element slidably engaging the inner wall of said stem and having a portion extending outwardly through said slot, and means for fixedly securing said last-named portion to a stationary support.

2,246,281
LUBRICATING OIL FOR CARRYING HIGH PRESSURES AND METHOD FOR MAKING THE SAME
John C. Zimmer, Hillside, and Arnold J. Morway, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 11, 1938, Serial No. 207,306
12 Claims. (Cl. 252—48)

1. An improved method for producing valuable lubricants comprising bringing a fatty oil into incipient reaction with a sulfur halide, then sulfurizing the material with free sulfur.

2,246,282
SULPHURIZED PRODUCT AND METHOD FOR MAKING THE SAME
John C. Zimmer, Hillside, and Arnold J. Morway, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 14, 1938, Serial No. 219,194
16 Claims. (Cl. 252—45)

1. An improved method for preparing sulphurized oils which comprises preliminarily sulphurizing an unsaturated organic substance, then blending the preliminarily sulphurized product with mineral oil and resulphurizing the blend with free sulphur by heating with free sulphur.

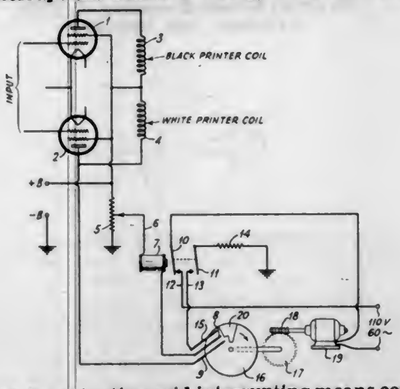
2,246,283
PHOTOELECTRIC MOSAIC
Vladimir K. Zworykin, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application May 1, 1930, Serial No. 448,834
4 Claims. (Cl. 250—164)



1. As an article of manufacture, a screen for a view-transmitting device comprising a plurality of conductively isolated photo-electric elements disposed in capacitative relation to a common conductive element.

2,246,284
SYNCHRONIZING APPARATUS
Maurice Artzt, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 26, 1938, Serial No. 221,299
7 Claims. (Cl. 178—69.5)

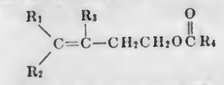
1. An apparatus for maintaining a facsimile scanner and at least one recorder in synchronous relationship each with the other and wherein synchronizing signals corresponding to picture black and indicative of the position of said scanner, and picture signal are transmitted comprising means for receiving said signals, a first thermionic amplifying means responsive in a range from black to at least within the grey portion of the picture, a second thermionic amplifying means responsive from a range of white to at least within the grey section of the picture but which is without the range of black, a motor, a source of energy for driving said motor, a commutator operable by said motor, the position of said commutator being such that it is at a predetermined position when said synchronizing signals are received when running synchronously with the scanner, means to interrupt the source of energy for said motor,



means for actuating said interrupting means connected in the output circuit of one of said thermionic amplifiers, means for controlling said actuating means positioned adjacent said commutating segment, and means for locking said actuating means for a predeterminable interval of time.

2,246,285
UNSATURATED ESTERS
Erving Arundale, Union, and Louis A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 1, 1939, Serial No. 307,113
17 Claims. (Cl. 260—488)

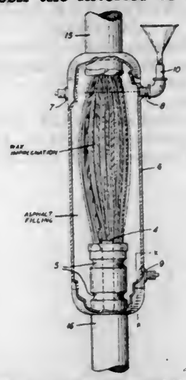
14. As a composition of matter, an unsaturated ester of the general formula—



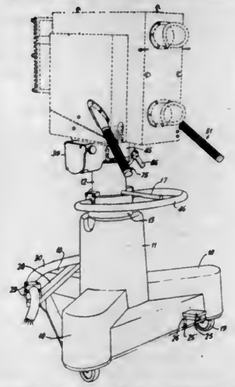
where R_1 and R_2 are selected from the group consisting of hydrogen atoms and alkyl, aryl, aralkyl and alkaryl radicals, R_3 is selected from the group consisting of alkyl, aryl, aralkyl and alkaryl radicals and R_4 is a hydrocarbon radical.

2,246,286
CABLE PLUG
Hamilton Baillard, Cranford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 8, 1939, Serial No. 283,339
3 Claims. (Cl. 174—23)

1. A cable plug arranged for use with its long axis vertical, for sealing a cable section of high gas pressure from one of lower gas pressure, comprising a closed sleeve containing the insulated conductors of the cable, said sleeve making gas-tight contact with the adjacent termini of the sheaths of the two cable sections, a thermoplastic material having the cold flow properties of a light grade of asphalt substantially but not entirely filling said sleeve, and means whereby the interior of the high pressure cable section is directly connected, in a manner permitting the free flow of gas without passage through the filling material, between the interior of the high pressure cable section and the unfilled space above the thermoplastic material.



2,246,287
CAMERA SUPPORTING PEDESTAL
Alda V. Bedford, Collingswood, and Knut J. Magnusson, Merchantville, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Original application November 5, 1936, Serial No. 109,390. Divided and this application September 30, 1937, Serial No. 166,477
1 Claim. (Cl. 248—183)

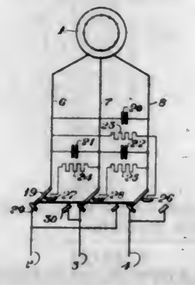


In a mobile pedestal structure for television cameras wherein the camera to be supported is secured to a supporting member carried by said pedestal, a bearing member fixed to said supporting pedestal and adapted to support said supporting member, tilting means co-operatively associated with said bearing member, means for raising and lowering said pedestal, means for tilting and moving said camera to be supported comprising a pair of handle bar members, at least one of which acts as a control member for energizing said raising and lowering means for raising and lowering the pedestal with respect to its base.

2,246,288
DENTAL ALLOY
Maude Braid, Hartsdale, N. Y.
No Drawing. Application July 2, 1940, Serial No. 343,559
2 Claims. (Cl. 75—171)

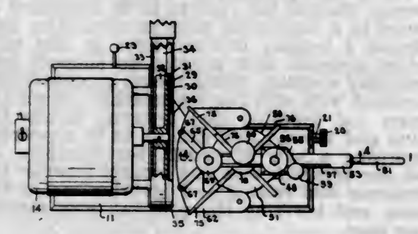
1. An alloy consisting of 10–49% chromium, 20–48% cobalt, 3–15% molybdenum, 10–40% nickel, 3–12% tungsten and 0.25–3% zirconium.

2,246,289
REVERSING SYSTEM FOR ASYNCHRONOUS MOTORS
Siegfried Brockhaus, Essen, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 17, 1938, Serial No. 246,405
In Germany April 26, 1938
10 Claims. (Cl. 172—274)



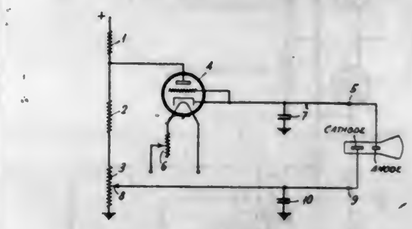
1. A control system for reversing an asynchronous motor comprising, in combination, a polyphase asynchronous motor having stator and rotor windings, a polyphase circuit connected to said stator winding, a polyphase source of electric energy, a manually operated reversing switch connected between said source and said polyphase circuit which reversing switch is adapted to reverse the phase sequence of said polyphase circuit in a manner to effect reversal of said motor, a condenser and a resistor which, as a direct consequence of switching movements in either direction of said reversing switch, are always connected in parallel across at least one of the phases of said polyphase circuit at and during the entire time said reversing switch is opened and during substantially the entire time during which said reversing switch is moved for effecting reversal, thereby effecting a condenser braking action on said motor during the entire changeover movement of said reversing switch to thus shorten the time of complete reversal of said motor.

2,246,290
BRAKE SHOE GRINDER
Errett C. Broxon, Cincinnati, Ohio
Application March 6, 1939, Serial No. 260,062
7 Claims. (Cl. 51—124)



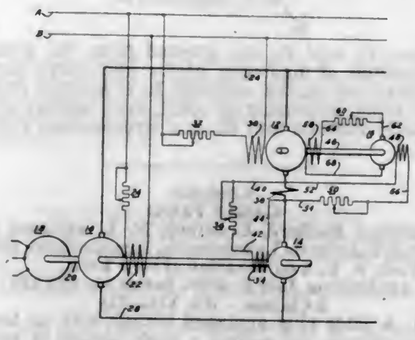
1. In a device of the character described, the combination of a rotatable abrasive element, a base having a plurality of staggered holes therein, and means for supporting a brake shoe in abrading relation with said element, a pin projecting from said means, said pin being insertable into each of said holes whereby said means may be rotated with respect to said base about the axis of any preselected hole.

2,246,291
CATHODE-RAY TUBE CIRCUITS
Eric William Bull, South Norwood, London, England, assignor to Electric and Musical Industries, Limited, Hayes, Middlesex, England, a corporation of Great Britain
Application December 31, 1937, Serial No. 182,655
In Great Britain December 10, 1936
4 Claims. (Cl. 250—27)



1. In a cathode-ray tube system, a cathode-ray tube having an envelope containing means for emitting a cloud of electrons, means for forming said electrons into a beam formation, and anode means for accelerating said electron beam, a unidirectional conductor having an operating period at least as great as the means for emitting a cloud of electrons, means for energizing said unidirectional conductor, a series circuit comprising the electron beam accelerating means, the unidirectional conductor and resistive means whereby potentials are impressed onto the electron beam accelerating means only after the elapse of a predeterminable period of time.

2,246,292
CONTROL SYSTEM
Fred R. Burt, Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 18, 1939, Serial No. 268,513
7 Claims. (Cl. 172—239)



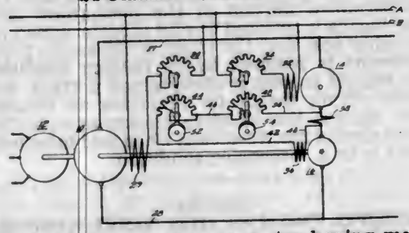
1. In a control system for an electric motor, means applying a main energizing potential to the motor armature, means applying an auxiliary energizing potential to the motor armature proportional to the motor armature current and in the direction of the main energizing potential, means applying a main excitation to the motor, and means applying an auxiliary excitation to the motor to reinforce the main excitation and proportional to the speed of the motor and the motor armature current.

2,246,293
RESISTANCE ELEMENT
John Collard, Hammersmith, London, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application May 6, 1939, Serial No. 272,183
In Great Britain May 12, 1938
7 Claims. (Cl. 178—44)



1. An electrical network comprising a plurality of resistances, each having distributed capacity and distributed inductance, and means to make the ratio of inductance to resistance of each resistance equal to a single predetermined value and for making the ratio of inductance to capacity proportional to the second power of a corresponding resistance, the proportionality factor being identical for all resistances.

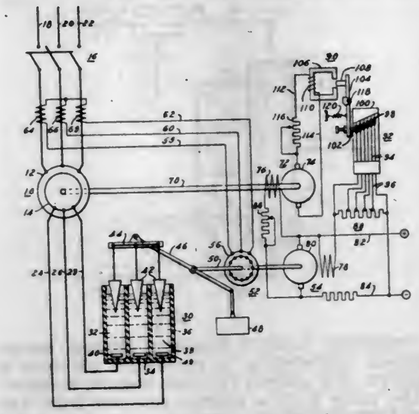
2,246,294
CONTROL SYSTEM
Willard G. Cook, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 25, 1939, Serial No. 269,908
24 Claims. (Cl. 172—239)



1. In a control system, a motor having means for varying its excitation, means providing an energizing potential for said motor armature, control means operative to vary the value of said energizing potential to thus vary the speed of the motor, a continuously-driven generator having its armature connected to affect the energization of said motor, means for exciting said generator in accordance with the armature current of said motor, means for substantially simultaneously varying the excitation of said generator and said motor armature energizing potential, and means for simultaneously varying the excitation of said motor and the excitation of said generator.

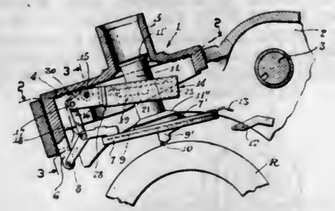
2,246,295
CONTROL SYSTEM FOR ELECTRICAL APPARATUS
Willard G. Cook, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 19, 1940, Serial No. 346,301
4 Claims. (Cl. 172—274)

1. In a control system for a wound rotor motor provided with rotor and stator windings, in combination, a three-phase power source, a rheostat connected in circuit relation with the rotor windings, a torque motor provided with a stator winding for actuating the rheostat in response to changes in load, the stator winding of the torque motor being inductively connected to the three-



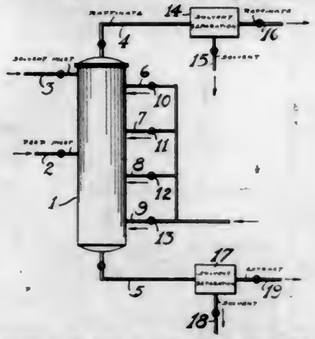
phase power source, a direct-current motor provided with a field winding disposed to cooperate with the torque motor to actuate the rheostat, means responsive to the speed of the wound rotor motor for controlling the torque of the direct-current motor thereby to control the operation of the rheostat and the speed of the wound rotor motor.

2,246,296
OSCILLATION TRANSLATING SYSTEM
Michael J. Di Toro, East Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application December 28, 1939, Serial No. 311,325
16 Claims. (Cl. 274—1)



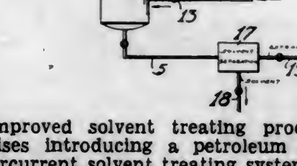
1. In an oscillation translating system having a vibratable member, and means associated with said member and having a temperature-varying characteristic tending to produce with said member a frequency-varying resonance; a damped vibration absorber applied to said member to cause said resonance to be suppressed throughout a predetermined temperature range, comprising a resilient beam structure including two distinct resilient portions respectively having compliances varying with temperature at relatively low and high rates, said portions being associated with one another and having a predetermined proportional relationship to cause their combined compliance to vary with temperature in a degree substantially maintaining the same relative tuning between said beam structure and the frequency of said resonance throughout said temperature range.

2,246,297
SOLVENT EXTRACTION PROCESS
Gordon W. Duncan, Scotch Plains, and James M. Whiteley, Jr., Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 10, 1938, Serial No. 244,908
7 Claims. (Cl. 196—13)



1. Improved solvent treating process which comprises introducing a petroleum oil into a countercurrent solvent treating system, contacting the same with a solvent selected from the class of solvents which are characterized by being completely miscible with toluene in the anhydrous state, very slightly miscible with toluene in the aqueous state, and which may be readily removed from toluene with water, under conditions to form a solvent poor or raffinate phase and a solvent rich or solvent extract phase, introducing water at a point between the oil feed inlet and the raffinate phase outlet and at a point between the oil feed inlet and the solvent extract phase outlet, separating the phases and removing the solvent therefrom.

2,246,298
LATCH CHECKING MEANS FOR CIRCUIT BREAKER MECHANISMS
Lloyd W. Dyer, Wilkinsburg, and Thomas A. Jordan, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 9, 1939, Serial No. 294,048
19 Claims. (Cl. 175—294)

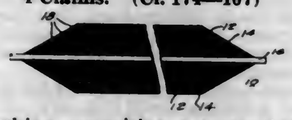


1. Trip-free mechanism for controlling the operation of the moving contact of a circuit breaker; comprising a closing motive-means movable between an open position and a closed position; mechanical coupling-means between said closing motive-means and said moving contact of the breaker; a tripping releasable mechanical holding-means for holding a predetermined portion of said mechanical coupling-means in a predetermined relationship necessary to the transmitting of a pressure, in the closing direction, between the closing motive-means and the moving contact of the breaker; said mechanical coupling-means including a main releasable mechanical holding-means for normally holding said moving contact of the breaker and said closing motive-means in their closed positions at a time when said tripping holding means is in its holding condition; tripping means for actuating said tripping releasable holding-means to its released condition; means operative as a consequence of the release of said tripping holding-means to release the main holding-means, to move the closing motive-means to its open position, and to restore said predetermined portion of the mechanical coupling-means to a predetermined relationship necessary to the transmitting of a pressure, in the closing direction, between the closing motive-means and the moving contact of the breaker; means for restoring said tripping releasable mechanical holding-means to its holding condition upon such restoration of said predetermined portion; and means for energizing said closing motive-means for causing the same to move to its closed position; said trip-free mechanism being characterized by having a double-duty interlock-means for mechanically responding to two conditions, and for responding only when both of said conditions are simultaneously fulfilled, said conditions being that the predetermined portion of the mechanical coupling-means is restored to said predetermined relationship and that the tripping releasable holding-means is restored to its holding condition with respect to said predetermined portion, and electric-circuit means for removing an impediment against the effective closing-energization of said closing motive-means when said interlock-means is in a responsive condition.

2,246,299
DIACETYL FROM METHYL VINYL KETONE
Ernst Eberhardt, Ludwigshafen-on-the-Rhine, and Robert Stadler, Heidelberg, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application July 19, 1940, Serial No. 346,368. In Germany October 10, 1939
5 Claims. (Cl. 260—593)

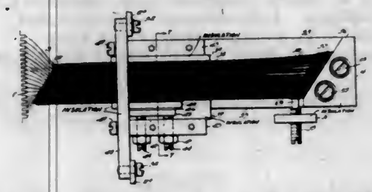
1. Process for the production of diacetyl which comprises heating, with a dilute mineral acid, the addition products of methyl vinyl ketone and hypochlorous acid.

2,246,300
BUSHING
James G. Ford, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 23, 1939, Serial No. 257,842
4 Claims. (Cl. 174—167)



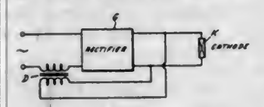
2. A bushing comprising a supporting stud, a solid dielectric material in sheet form applied to the stud in layers, a binder applied to the layers to cement them into a unitary structure, tung oil applied to the layers of dielectric, the tung oil being applied to only a band of predetermined width adjacent the edges of the layers to seal the ends of the bushing without detrimentally affecting its power factor.

2,246,301
REGULATOR
Clinton R. Hanna, Wilkinsburg, and Stephen Sentipal, East McKeesport, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 23, 1938, Serial No. 203,876
10 Claims. (Cl. 200—1)



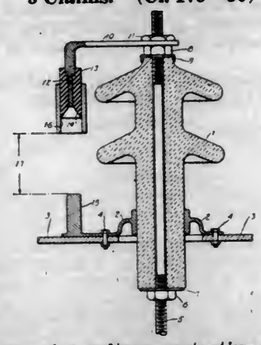
1. In a rheostat, circuit controlling mechanism comprising a plurality of self-biasing flexible members arranged with corresponding ends clamped in fixed relation, said fixed ends being insulated from one another, the other ends of said flexible members being free to move, a movement limiting stop having a continuous smooth surface positioned at an angle to the general direction of the flexible members and against which the free ends of said flexible members are biased for positioning them in spaced relation, and means for actuating said flexible members from engagement with said stop and into circuit closing engagement with adjacent members.

2,246,302
HEATING DEVICE FOR GLOW CATHODES
Fritz Hauffe, Berlin-Friedenau, and Hermann Kropp, Berlin-Treptow, Germany, assignors to General Electric Company, a corporation of New York
Application March 30, 1939, Serial No. 264,920
In Germany March 8, 1938
6 Claims. (Cl. 250—27)



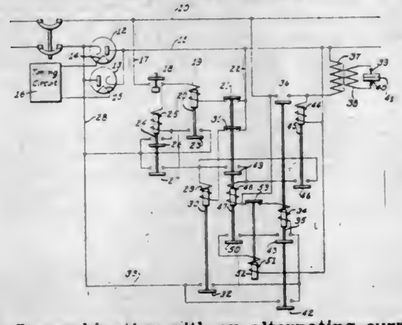
1. A regulating starting device for an electron discharge device having a cathode comprising a choke coil having a core subject to magnetic saturation and two windings, an input source of voltage, a rectifier having a pair of input and output leads, one of the windings of said choke coil connected in series with one of the input leads of said rectifier and said input source of voltage, the other rectifier input lead connected to said input source of voltage, the other winding of said choke coil connected in parallel with the rectifier output leads and the cathode of said electron discharge device whereby the choke coil is increasingly saturated with an increase in cathode temperature and allows more current to flow from said source of voltage.

2,246,303
ELECTRICAL DISCHARGE DEVICE
John K. Hodnette, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 23, 1938, Serial No. 247,447
3 Claims. (Cl. 175—30)



1. An excessive-voltage protective device for an alternating current system, comprising a pair of spaced electrodes, an insulating body about the path between the electrodes comprising material which emits substantially non-ionized gas in the presence of an electric arc, said body being so disposed forwardly of one electrode as to discharge gas evolved therefrom into the arc stream, and a tubular conducting member about the insulating body and extending forwardly thereof about the arc path for determining the discharge gap.

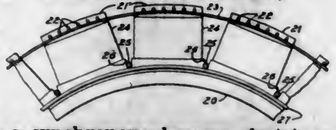
2,246,304
WELDING APPARATUS
Harold C. Jenks, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 6, 1937, Serial No. 173,190
2 Claims. (Cl. 175—320)



1. In combination with an alternating-current source and a load to be connected thereto, a pair of normally open contacts between said source and said load, means which becomes periodically conducting and non-conducting between said source and said contacts, a switch, a relay responsive to the conductive state of said means and to the closure of said switch to energize a relay and keep it energized thereafter until said switch is open, a second relay responsive to the energization of the first said relay and to the non-conductive condition of said means to close said normally open contacts, a third relay responsive to the closure of said normally open

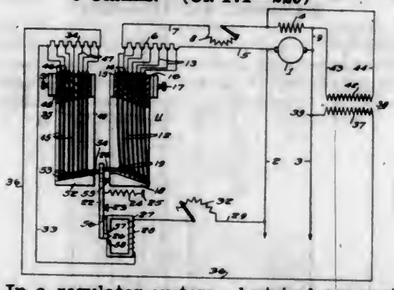
contacts and to the conductive condition of said means to open said second relay and to retain it in its open condition until the first said relay opens.

2,246,305
DAMPER WINDING
Lee A. Kilgore, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1938, Serial No. 247,187
3 Claims. (Cl. 172—120)



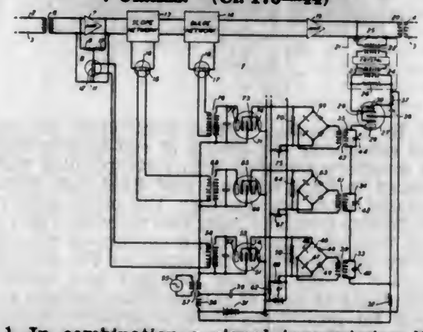
1. In a synchronous dynamo-electric machine, a rotor member comprising a supporting structure secured to a shaft, a plurality of salient pole pieces mounted on said supporting structure, direct-current field windings on the pole pieces, a damper winding consisting of a plurality of conducting bars positioned in the peripheral surfaces of each of the pole pieces and short-circuiting rings connecting all of said bars together, and a winding for damping a portion of the flux through the field winding during the starting period, said last-mentioned winding having a plurality of conducting bars positioned intermediate the pole pieces at the bases thereof and short-circuiting means connecting all of said last-mentioned bars together.

2,246,306
REGULATOR
Joseph F. Kovalsky, Turtle Creek, and Lawrence L. Fountain, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 5, 1939, Serial No. 271,909
6 Claims. (Cl. 171—229)



1. In a regulator system, electrical apparatus, a circuit connected thereto, means for governing the operation of said electrical apparatus to control an electrical characteristic of said circuit comprising, in combination, two circuit controlling devices each including a resistor, a plurality of elongated circuit controlling members arranged with one end of each supported in fixed relation and connected to separate points along said resistor, said fixed ends being insulated from one another, the other ends of said members being free to move, stop means against which the free ends of the circuit controlling members are biased for limiting the spacing of the free ends, said stop means being arranged to permit unlimited movement of the circuit controlling members away from the stop means, a driving member positioned for progressively moving the circuit controlling members of one of said circuit controlling devices from engagement with this associated stop while permitting progressive engagement of the circuit controlling members of the other of said circuit controlling devices with their associated stop, a magnet structure including a moving armature for controlling said driving member, means for biasing the armature against the pull of said magnet, and means including an electric circuit for energizing the magnet in accordance with the quantity to be regulated, one of said two above-named circuit controlling devices being included in said circuit for adjusting the pull curve of said magnet with varying positions of said armature.

2,246,307
SIGNAL TRANSMISSION LINE
Henry K. Krist, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 3, 1940, Serial No. 327,581
7 Claims. (Cl. 178—44)



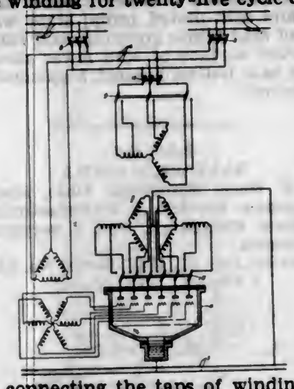
1. In combination a signal transmission line having signal and pilot currents thereon, a control station, an amplifier and slope and bulge networks on said line at said station, and means for simultaneously and separately controlling said amplifier, said slope network and said bulge network by different pilot currents on the transmission line to govern the flat gain on the line, the slope of the line attenuation characteristic and the bulge of the line attenuation characteristic.

2,246,308
CONVERTER SYSTEM
Erwin Kübler, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 16, 1939, Serial No. 290,507
In Germany August 16, 1938
2 Claims. (Cl. 175—363)

1. A converter system comprising a constant voltage direct-current circuit, a sixty-cycle alternating-current polyphase circuit, a twenty-five cycle alternating-current polyphase circuit, transformer means for interconnecting said circuits, a plurality of electric valves for controlling the flow of current between said circuits, said transformer having star connected primary and secondary windings, said windings having intermediate taps so connected that the ratio of turns between the star point and the tap to the total winding is of the order of

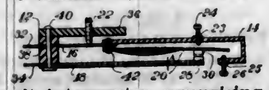
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means for selectively connecting the terminal of one star connected winding to the valves and the terminal of the other winding to the twenty-five cycle winding for twenty-five cycle operation



and for connecting the taps of windings to the valves and the sixty-cycle circuit for sixty-cycle operation, said system having substantially the same characteristic for each mode of operation.

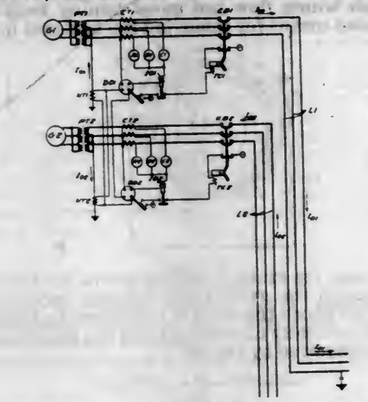
2,246,309
THERMOSTATIC CIRCUIT INTERRUPTER
Paul R. Lee, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 3, 1938, Serial No. 222,796
9 Claims. (Cl. 200—138)



1. A circuit interrupter comprising, in combination, normally engaging contact means for making and breaking a circuit, a main heat-responsive member and a second heat-responsive member movable in the same direction upon an increase of temperature, means for causing separation of said contact means after a predetermined degree of travel together, said second member thereupon cooling and reversing its direction of movement more quickly than said main member to effect further disengagement of said contact means.

2,246,310
CURRENT-POLARIZED GROUND-DIRECTIONAL RELAY FOR PARALLEL LINES
Bernard E. Lenehan, Bloomfield, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 18, 1939, Serial No. 268,531
3 Claims. (Cl. 175—294)

1. In combination, two grounded polyphase transmission lines having a material amount of zero-sequence coupling therebetween, and having relaying points at a common relaying station, ground directional relaying-means, at said station, for at least one of said lines, said directional relaying-means having two sets of terminals for comparing the relative directions of the respective currents therein, a set of star-connected line-current transformers associated with said one of the lines for energizing one of said sets of terminals responsively to the neutral current therein, means for so energizing the other set of terminals as to be additively responsive to the sum of zero-sequence components in the two lines, and means responsive to the condition



of said relaying-means when a ground fault occurs on said one of said lines for interrupting service on said one of said lines.

2,246,311
WAX MODIFYING AGENT
Eugene Lieber, Linden, and Martin M. Sadlon, Roselle Park, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 22, 1937, Serial No. 149,678
7 Claims. (Cl. 260—666)

6. The process which comprises condensing an aliphatic substance having a hydrocarbon chain of at least 10 carbon atoms with a polymerized compound of the group consisting of polymerized partially hydrogenated aromatic hydrocarbons, polymerized alkyl homologues thereof, and copolymers of such material, all of said hydrocarbons containing unsaturation only in the nucleus, in the presence of a Friedel-Craft catalyst, and distilling the condensation products to obtain a high molecular weight distillation residue soluble in mineral oils and useful as an addition agent for mineral lubricating oils.

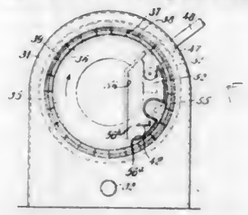
2,246,312
ART OF PRODUCING LUBRICANTS
Eugene Lieber, Linden, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 29, 1938, Serial No. 237,742
7 Claims. (Cl. 252—57)

1. Composition of matter comprising a waxy lubricating oil and a small amount of a polymerized acid halide of naphthenic acid.

2,246,313
ROTARY KILN
Povl T. Lindhard, Rumson, N. J., assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application July 6, 1940, Serial No. 344,225
25 Claims. (Cl. 263—32)

1. In a rotary kiln, the combination of a main kiln shell having a hollow extension from the inlet end thereof, a cylindrical grate mounted within and coaxially of the extension and spaced therefrom, the grate being connected to the shell

to rotate therewith, means for distributing material on the surface of the grate to form a layer through which flow hot gases issuing from the shell; and means for removing the material in the



layer from the grate including means for blowing air through the grate from the side opposite to that with which the layer is in contact and means for mechanically dislodging from the grate material not removed by the air.

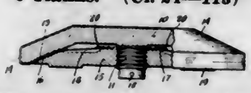
2,246,314
EXTREME PRESSURE LUBRICATING COMPOSITION
Louis A. Mikeska, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 13, 1938, Serial No. 245,503
16 Claims. (Cl. 252—46)

1. An extreme pressure lubricant composition comprising a hydrocarbon lubricant and an alkyl phenol sulfide in an amount between above 5% and 25%.

2,246,315
METHOD OF MAKING SPONGE RUBBER
Linwood A. Murray, Jr., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 13, 1939, Serial No. 284,158
2 Claims. (Cl. 260—723)

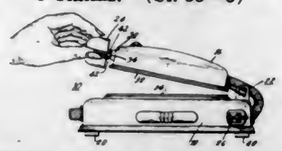
1. The method of making sponge rubber which comprises chemically combining substantially all the sulphur in a latex compound containing .15 to .25% sulphur based on the rubber content of the latex, adding free sulphur to the latex, converting the thus treated latex into a latex foam, converting the foam into the desired shape, and coagulating the latex in the foam to form sponge rubber and heating to cause at least some of the added free sulphur to chemically combine with the rubber.

2,246,316
BUTTON
Eduardo Oharek and Herbert Isnenghi, Sao Paulo, Brazil
Application June 5, 1940, Serial No. 338,900
In Brazil November 30, 1939
6 Claims. (Cl. 24—113)



1. A button comprising an upper member, a fabric covering on said upper member, a depending threaded post having an eye formed thereon on said upper member, radial steps formed on said upper member, a lower member having a central internally threaded bore to engage said post, radial steps formed on said lower member to mate with those of said upper member, a boss formed on said lower member whereby the engagement of said post by said bore will tension said fabric covering disposed around said upper member and said mated radial steps will clamp the edge of said fabric covering, and ribs formed on the lower surface of said lower member for anchoring said button against a garment during the use thereof.

2,246,317
SANDWICH GRILL
Bernard F. Parr, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 31, 1940, Serial No. 348,777
8 Claims. (Cl. 53—5)

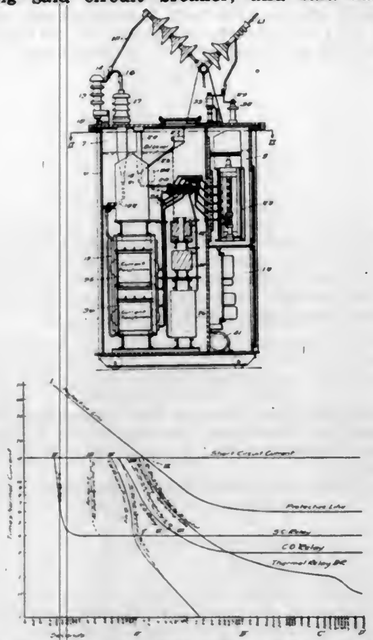


1. A grid comprising a pair of cooperating heating plates adapted to occupy a closed position, hinge means connecting said plates together providing for relative movement of said plates to a fully opened position, a handle secured to one of said plates arrangeable in one position to support said one plate in a fully opened position, said handle being rotatable about an axis extending towards said one plate.

2,246,318
POWER TRANSFORMER
Henry V. Putman, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 11, 1939, Serial No. 289,562
9 Claims. (Cl. 175—294)

1. A transformer installation comprising, in combination, a casing, a transformer within said casing having polyphase high-voltage and low-voltage windings, phase conductors extending from the several high-voltage and the several low-voltage windings, fusible links within the casing in circuit with each high-voltage phase conductor for interrupting the circuit therethrough upon a predetermined current flow therethrough, fusible links within the casing in circuit with each low-voltage phase conductor for interrupting the circuit therethrough upon a predetermined current flow therethrough, a circuit breaker within said casing for interrupting the current through the low-voltage winding, and a plurality of devices for causing the operation of the circuit breaker to its circuit interrupting position including a plurality of current responsive relay means connected to operate in response to low-voltage winding circuit current and thermal relay means, said devices being so coordinated that one current relay means operates substantially instantaneously upon a predetermined excess current in the low-voltage circuit to operate the circuit breaker, another current relay means being responsive after a predetermined variable time interval depending upon the current flowing in the low-voltage circuit and including a lesser value of current than that required to trip the first named relay means for operating the circuit breaker, said thermal relay means being operative in response to heating of the transformer apparatus upon continued overload after

a predetermined variable time interval of greater duration than the above named means for operating said circuit breaker, and said fusible



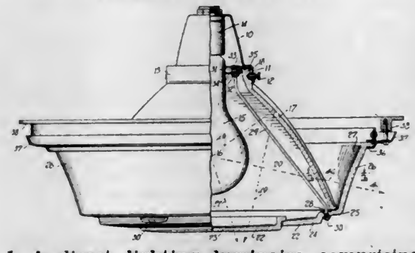
links requiring a greater increase in excess current than any other circuit controlling device to interrupt the current flow.

2,246,319
WELL SURVEYING INSTRUMENT
Roland Ring, Houston, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application January 13, 1940, Serial No. 313,706
9 Claims. (Cl. 33—205.5)



1. A well surveying instrument comprising a casing adapted to enter a bore hole, means for supporting therein a record member capable of being marked electrolytically by the passage of an electric current, a pendulum having variable location relative to and adjacent said record member depending upon inclination of the casing, said pendulum having a portion constantly in contact with said record member when the instrument is upright, means providing a closed electrical circuit including the pendulum and record member, and means providing a substantially continuous flow of current in said circuit while the instrument is being lowered in a hole and during a subsequent rest period, said current being sufficient to produce substantial marking of said record member at the contact of said pendulum portion and record member only when the pendulum is at rest for a prolonged period but insufficient to produce markings of record obliterating character while the pendulum is in motion during movements of the instrument along a hole.

2,246,320
LUMINAIRE
Thomas W. Rolph, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application August 6, 1938, Serial No. 223,437
7 Claims. (Cl. 240—93)



1. A direct lighting luminaire comprising a light source, an open mouthed light transmitting reflector adapted to direct the reflected light downwardly through its mouth, the reflector extending down a substantial distance below the light source and having a light transmitting characteristic below the horizontal plane through the light source to present a region of high brightness, a light transmitting and modifying closure screen for the bottom of the reflector which transmits the direct and reflected light and screens the source, and a light shield disposed along the length of the lower edge of the reflector and extending upwardly from said edge of the reflector, terminating at a level substantially that of the light source and diverging from the reflector profile, the shield receiving light from the source only by transmission through the reflector walls and screening the bright surfaces of said walls when viewed from below the horizontal, light emitted from the outside of the reflector above the horizontal plane through the light source escaping above the light shield.

2,246,321
RESINS AND PROCESS FOR THEIR PREPARATION
Raphael Rosen, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 6, 1939, Serial No. 249,603
4 Claims. (Cl. 260—30)

1. A composition of matter consisting of a solution in a liquid petroleum oil fraction of a stable resin resulting from the condensation of a compound having the formula

$$(R—C_6H_3—OH)_2S_2,$$

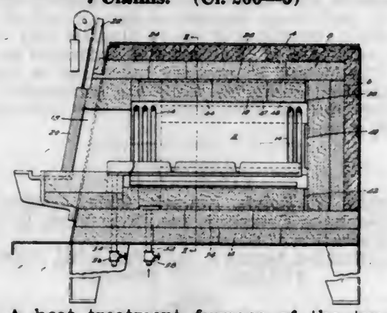
where R is an alkyl radical having 4 to 6 carbon atoms, with formaldehyde in the presence of ammonia.

2,246,322

GAS ATMOSPHERE IN ELECTRIC FURNACES

Willard Roth, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 21, 1938, Serial No. 230,940
7 Claims. (Cl. 266—5)



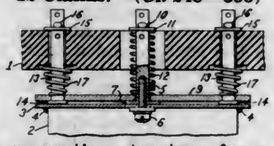
1. A heat treatment furnace of the type in which a charge is to be heat treated while enveloped in a protective gaseous atmosphere, said furnace comprising walls defining a heat treating chamber, said walls being formed of fire brick, certain of which are formed with aligned grooves forming a network of passages within the walls, and means for delivering protective gases to said network, said brick being formed and positioned to provide outlet passages from said network to said chamber.

2,246,323

SHOCK AND VIBRATION PROOF MOUNTING FOR CONTROL APPARATUS

Walter Schaelchlin, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 6, 1937, Serial No. 173,188
12 Claims. (Cl. 248—358)



1. In a supporting structure for a device, in combination, a device, a base having an aperture therethrough, a member disposed at one side of the base but extending through the aperture a predetermined distance and engaging the one, or first, side of the base, resilient means, engaging the member and the other, or far, side of the base, adapted to bias the member to a given direction so that the force of engagement of the member with the first mentioned side of the base is a given value, and resilient means mounted on the member and adapted to bias the said device by a predetermined force against the portion of the member not extending through the aperture.

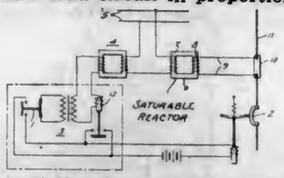
2,246,324

OVERLOAD PROTECTIVE RELAY

Ernst Schröder, Berlin-Staaken, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 7, 1939, Serial No. 293,683
In Germany November 29, 1938
12 Claims. (Cl. 175—294)

1. In a protective system, a load circuit, a circuit interrupter interposed therein, voltage controlled delay means for effecting operation of said circuit interrupter, a magnetizable core, a reactance coil on said core, a magnetizing coil on said core and means connecting it for energization from said load circuit in proportion to the



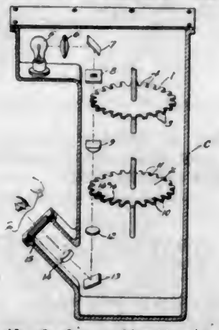
varying current therein, a constant voltage supply circuit and means connecting it in series circuit with said reactance coil, and means connecting said voltage controlled delay means for energization from said series circuit.

2,246,325

WATT-HOUR METER

Jerome Sherman, Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 3, 1938, Serial No. 228,300
8 Claims. (Cl. 175—183)



1. The method for adjusting an adjustable instrument having a rotatable member provided with a pattern thereon associated therewith, which comprises energizing said instrument, applying to said pattern a pulsating radiation varying at a frequency such that said pattern appears stationary relative to said radiation when said instrument is operating correctly, indicating a predetermined arc of rotation of said member, determining the amount by which said pattern appears to slip past a point during said predetermined arc of rotation of said member, and adjusting said instrument in accordance with said amount.

2,246,326

VAPOR-ELECTRIC DEVICE

Joseph Slepian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 31, 1939, Serial No. 265,159
3 Claims. (Cl. 250—27.5)

1. In a vapor-electric valve having a mercury cathode, a make-alive electrode comprising a body of make-alive material including a base portion and a tapered tip portion, said tip portion extending into said mercury cathode during normal operation of said valve, at least that portion

of the tip which extends into the cathode being



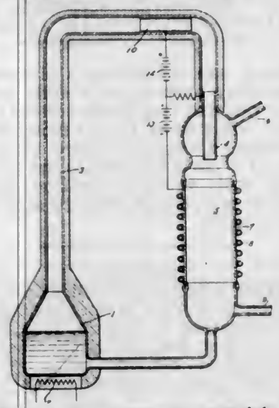
provided with slots having a width of the order of one millimeter.

2,246,327

VAPOR ELECTRIC DEVICE

Joseph Slepian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 15, 1939, Serial No. 295,100
5 Claims. (Cl. 230—101)



1. A high vacuum pump comprising a boiler for producing motive vapor, a condensing chamber, a passage for conducting vapor from said boiler to said chamber, means for returning condensed material from said chamber to said boiler, means for producing a glow discharge in a portion of said passage and means for producing an ion bombardment of the condensing surfaces of said condensing chamber.

2,246,328

ASYMMETRICAL CONDUCTOR AND METHOD OF MAKING THE SAME

George O. Smith, Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 26, 1939, Serial No. 286,513
7 Claims. (Cl. 175—366)



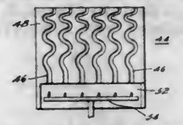
1. An asymmetrical conducting device comprising a metallic body having an integral layer of an oxide of said body thereon, said body comprising copper to which has been added one of the materials of the group comprising bismuth and bismuth oxides.

2,246,329

HEAT ABSORBER

Maria Telkes, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 13, 1939, Serial No. 278,865
2 Claims. (Cl. 257—1)



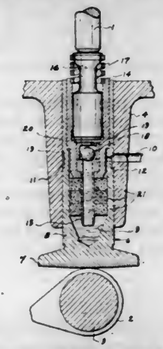
1. A heat absorber for absorbing heat from a gaseous source of supply comprising in combination, a metallic member having good thermal characteristics, the metallic member having a cavity for receiving the source of supply of a heated gaseous medium and a plurality of openings defined by side walls disposed in spaced relation in the metallic member and extending from the cavity therethrough for the flow of the gaseous medium, each of the openings being of a curved tortuous form geometrically distributed with the pitch of the curves progressively changing and having its side walls converging towards each other in the direction of flow of the gaseous medium to effect a substantially even absorption of heat therefrom throughout the length of the metallic member as the gaseous medium flows from the cavity therethrough.

2,246,330

HYDRAULIC TAPPET CONSTRUCTION

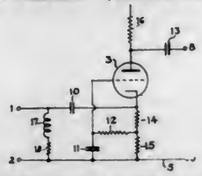
Carl Voorhies, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio

Application March 14, 1940, Serial No. 323,869
4 Claims. (Cl. 123—90)



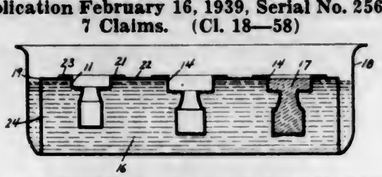
1. A hydraulic valve tappet comprising, in combination, a tappet body having a longitudinal bore closed at its lower end and open at the upper end and having an oil passage in its side wall above the closed end, the lower part of said body including a liquid reservoir, a hydraulic compensating mechanism reciprocably received in the open upper end of said bore, a valve controlled passage adjacent one end of said mechanism, conduit means communicating at one end with said passage and at its other end with the interior of the tappet body adjacent said closed end thereof, and one or more oil filtering means disposed around said conduit means between said oil passage in the tappet body wall and the end of said conduit adjacent the closed end of said tappet body.

2,246,331
THERMIONIC VALVE AMPLIFIER
Eric Lawrence Casling White, Hillingdon, and John Hardwick, West Drayton, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application March 4, 1938, Serial No. 193,836
In Great Britain March 6, 1937
8 Claims. (Cl. 179—171)



1. An amplifier for amplifying signals from a low impedance source without reversal of phase between the input and output including a valve having its grid connected effectively to earth and having an impedance connected in its anode lead from which the output is taken, the input signals being applied to the cathode of the valve the conductance of the valve being such that the input impedance at the cathode matches the impedance of the source of signals.

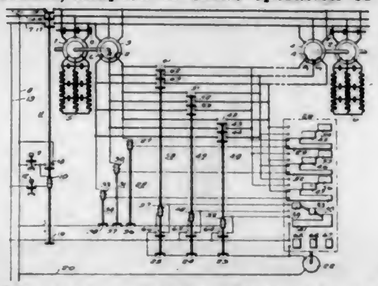
2,246,332
PROCESS OF PRODUCING MOLDED ARTICLES
Joseph O. Whiteley, Jr., York, Pa., assignor to The Dentists' Supply Company of New York, New York, N. Y., a corporation of New York
Application February 16, 1939, Serial No. 256,629
7 Claims. (Cl. 18—58)



7. The process of producing articles comprising the steps of providing a flexible mold of rubber-like material, then increasing the size of said mold by treating the same with a solution having the ability to swell said material, then introducing a hardenable reproduction material into said treated mold, permitting said material to harden, and then removing said molded reproduction material from the mold.

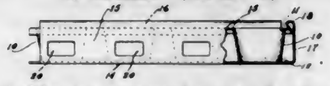
2,246,333
SYNCHROTIE SYSTEM
William R. Wickerham, Swissvale, and Harry C. Brunner, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 9, 1939, Serial No. 294,108
6 Claims. (Cl. 172—293)

1. In a synchro-tie system, in combination, a pair of tie motors having primary stator windings and polyphase secondary rotor windings, a source of alternating current, means for connecting the primary windings to said source of alternating current, switching means for completing synchro-tie connections between the secondary windings of said tie motors, voltage responsive means adapted to be successively interconnected with different phase windings of the rotors of the tie motors, and means, responsive to the minimum voltage divulged by the successive interconnection, adapted to effect operation of said



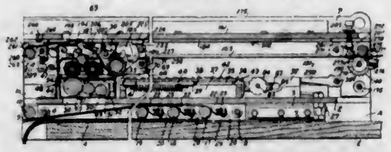
switching means only when the secondary windings are somewhere near in phase.

2,246,334
BAKING PAN
Van Lear Woodward, Staten Island, N. Y.
Application April 19, 1939, Serial No. 268,735
10 Claims. (Cl. 53—6)



1. A baking pan comprising a plurality of cup walls completely open at both ends and having their inner surfaces free from recesses and sharp angles, said walls being rigidly mounted relative to each other, a bottom closure plate of such dimension as to cover completely the bottom ends of the cup walls when in position, and means removably to secure said plate to said cup walls in closing position.

2,246,335
METHOD OF PRINTING FORMS ON A WEB
Clayton E. Wyrick, Wyandotte, Mich.
Original application August 29, 1936, Serial No. 98,514. Divided and this application January 3, 1938, Serial No. 183,096
15 Claims. (Cl. 101—426)

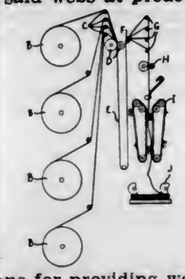


11. A method of printing forms in series on a sheet comprising, (1) supporting said sheet above a fixed printing plate, (2) releasing said sheet, (3) moving said sheet a predetermined form length out of contact with said printing plate while simultaneously inking said plate by moving an inking means and said sheet in the same direction, (4) supporting said sheet in stationary manner in alignment with and spaced from the inked printing plate, and (5) applying pressure to the side of the sheet remote from the inked printing plate progressively for instantaneously engaging with said inked printing plate, progressive portions of the adjacent side of the sheet.

2,246,336
FOLDING AND COLLATING MACHINE
Clayton E. Wyrick, Dayton, Ohio
Application April 27, 1939, Serial No. 270,396
22 Claims. (Cl. 270—39)

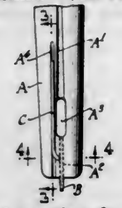
1. In a machine for folding superimposed webs

of material, means for continuously drawing said webs through the machine, means for aligning and creasing said webs at predetermined spaced



sections, means for providing web slack prior to aligning said webs, and means for retaining the web slack from advancing into the web aligning means.

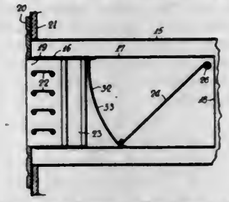
2,246,337
THREAD CARRIER
Victor Anderson, Cliffside Park, N. J., assignor to Alfred Hofmann & Company, West New York, N. J., a corporation of New Jersey
Application June 6, 1938, Serial No. 212,034
4 Claims. (Cl. 66—126)



1. In a thread carrier for flat knitting machines wherein the carrier body has a rigid lower or thread delivering extremity formed with a longitudinal way adapted to accommodate a removable and replaceable thread guiding tube, the combination therewith of the thread tube removably engageable in said way, and a cooperating fastener device mounted on the body for holding the tube securely in position in the way, said tube being cylindrical and having an exterior transverse notch at an intermediate part of its length, and said fastener being movably mounted on the body and having a portion adapted to engage the tube at one side only by entering said intermediate notch of the tube, thereby to prevent longitudinal displacement of the tube in the way, and being retractible at will to release the tube for removal thereof, wherein the tube notch is confined to one side of the tube whereby the fastener prevents rotary as well as longitudinal displacement, and there being a second such notch at another side whereby the tube may be set in either of two positions.

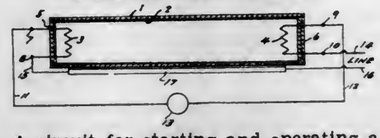
2,246,338
METERING DAMPER OUTLET
Carlyle M. Ashley, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application November 17, 1938, Serial No. 240,915
10 Claims. (Cl. 98—37)

1. In an apparatus for controlling the flow of gaseous fluid through a passageway, damper means adapted variably to restrict fluid flow through said passageway, a stabilizer comprising a perforated resistance means, said stabilizer being positioned adjacent said damper means and on the downstream side thereof with respect to the direction of flow of said fluid means for moving one edge of said damper means along the stabilizer with said edge in contact with the stabilizer and means for maintaining the opposite edge of the damper means at one side of the passageway to block a desired portion of the



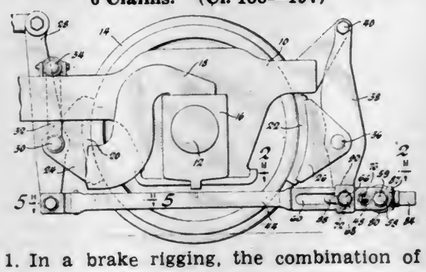
stabilizer, said stabilizer offering relatively high resistance to the flow of said fluid therethrough, whereby fluid is delivered from said stabilizer at a velocity independent of and unaffected by variations in the position of said damper means resulting in variations in the volume of fluid supplied to and delivered from the stabilizer.

2,246,339
GAS ARC LAMP
Theodore John Beregh, Patchogue, N. Y.
Application March 21, 1939, Serial No. 263,117
5 Claims. (Cl. 176—124)



1. A circuit for starting and operating a gaseous lamp or the like, with substantial equal facility on either alternating or direct current, the gaseous lamp comprising two electrodes, at least one of which is filamentary, disposed in opposite relation to each other, the circuit consisting of the two electrodes, a resistor extending continuously from the locality of one electrode, to which it is connected to a point adjacent the other electrode, and a time switch, all in series with a source of electric power; the resistor being connected intermediate one of said electrodes and one terminal of the source of power, the switch being intermediate the electrodes; and the other terminal of the source of power being connected to the other of said electrodes.

2,246,340
RAILWAY BRAKE RIGGING
Martin P. Blomberg, Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 12, 1939, Serial No. 278,719
6 Claims. (Cl. 188—197)



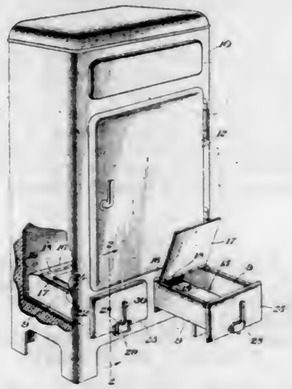
1. In a brake rigging, the combination of a

pair of tension rods each of which has an elongated slot and a hole formed therein adjacent one end thereof, a member located between the rods and having trunnion portions adapted to fit into said holes, a fulcrum block located between the rods and having a screw connected to it, a nut rotatably secured in said member, said nut being threaded onto said screw and being adapted when rotated to cause said screw to move axially relative to said member, a brake lever, a securing member pivotally connecting said lever to said fulcrum block, said securing member extending through said slots in the tension rods, and stop means associated with the securing member and adapted to engage a portion of the tension rods to prevent further movement of the screw when the nut has been rotated to the point where it reaches the end of the threads on the screw.

2,246,341
PROCESS FOR THE PREPARATION OF PROGESTERONE
Hermann Bretschneider and András Salamon, Budapest, Hungary, assignors to the firm Chinoin Gyogyszer És Vegyészeti Termékek Gyára R. T. (Dr. Kereszty & Dr. Wolf), Ujpest, Hungary, a corporation of Hungary
No Drawing. Application June 6, 1939, Serial No. 277,744. In Hungary June 11, 1938
18 Claims. (Cl. 260—397.3)

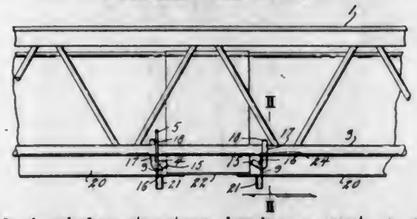
1. A process for the preparation of progesterone by oxidizing cholestenone in sulphuric acid stronger than of 50 per cent and isolating progesterone from the resulting reaction-mixture.

2,246,342
HUMIDITY DRAWER
Joseph D. Brown, Burlington, Colo.
Application May 6, 1940, Serial No. 333,667
2 Claims. (Cl. 62—89)



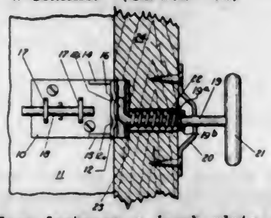
1. The combination with a refrigerator having a drawer space, of a drawer in said space open at the top, an insulated door secured to the front end of the drawer sealing the entrance of said space, a cover closing the top of the drawer, a sealing gasket between the cover and the top of the drawer, and a lid hinged to the refrigerator above the door for closing the entrance end of the drawer space when the drawer is removed and forming a weight on the cover to compress the gasket and seal the drawer air-tight when the drawer is closed.

2,246,343
CONCRETE FORM HOLDING CLIP
Henry G. Bruehlman, Toledo, Ohio
Application August 9, 1939, Serial No. 289,245
4 Claims. (Cl. 72—70)



2. A girder structure having a seat, a clip adapted to overhang the seat and depending as an overhanging tongue having a lateral extension, a plate element adapted to act as a form for masonry, said plate element having an opening to receive the tongue, said extension being deflectable as to the tongue into out-of-register position as to the opening to sustain the element.

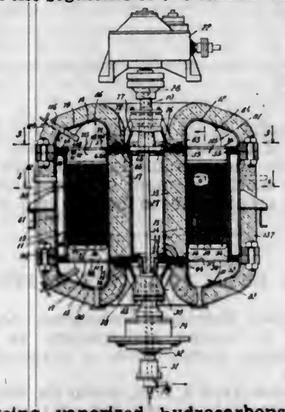
2,246,344
FASTENING MEANS
Arthur J. Calderwood, Traer, Iowa
Application February 13, 1939, Serial No. 256,084
2 Claims. (Cl. 292—62)



1. In a door fastener, a jamb plate, a portion thereof extending parallel to the door, a revolvable fastening member extending through an opening in the door and through a door plate, a means in the door plate to receive the fastening member, a portion of the fastening member bent over to form a hook adapted to be turned into position over the jamb plate, and a means for biasing the hook against the jamb plate comprising a spring on the fastening member within the opening in the door, one end of same bearing against the door plate, the other end adapted to be held in fixed relation to the fastening member.

2,246,345
CATALYTIC CRACKING
Oliver F. Campbell, Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application August 16, 1939, Serial No. 290,399
10 Claims. (Cl. 196—52)

6. In apparatus for the catalytic cracking of hydrocarbons, the combination which comprises a hollow annular head divided around its periphery into a plurality of segmental chambers, said head having a flat annular bearing plate with ports therein communicating respectively with each of said chambers, a second hollow annular head disposed concentrically with the first head and having segmental chambers matching those in the first head with a flat annular bearing plate having ports therein corresponding to those in the first head, said bearing plates being disposed concentrically with, parallel to and facing each other, a rotatable shaft disposed on the common axis of the two heads, a rotatable catalyst carrier wheel rigidly mounted on the shaft between the two bearing plates, said carrier being divided into a plurality of segments by radial vanes and extending substantially from one bearing plate to the other, a catalytic mass disposed in the segments of the carrier wheel, means



for forcing vaporized hydrocarbons from the chamber of one head to the corresponding chamber of the other head in contact with a catalytic mass in a segment, means for simultaneously forcing a hot oxidizing gas from a second chamber of one head to a corresponding second chamber of the other head in contact with the catalytic mass in another segment and means for simultaneously rotating the shaft.

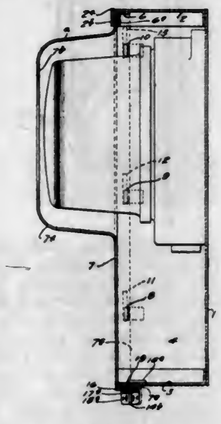
2,246,346
ILLUMINATING DEVICE
Wells W. Carroll, Plandome, N. Y., assignor to Columbia Wax Products Co., Ozone Park, N. Y., a corporation of New York
Application May 14, 1940, Serial No. 335,060
4 Claims. (Cl. 67—51)



2. In a night light, means for supporting a wick, said means comprising a flat buoyant member having an opening therein, means carried by said buoyant member to afford support to the wick at two spaced points, one of said points being at the upper surface of the buoyant member, and the other of said points being positioned a substantial distance below the buoyant member and below the surface of the liquid in which the buoyant member floats.

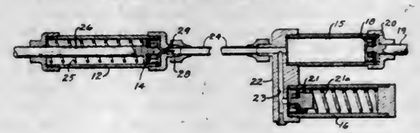
2,246,347
METER CABINET
William S. Catherwood, Jr., Brooklyn, N. Y., assignor to Metropolitan Device Corporation, a corporation of New York
Application October 17, 1938, Serial No. 235,426
2 Claims. (Cl. 220—38)

2. A meter connection cabinet of the type described comprising in combination a cabinet including a sheet metal back, top, bottom and side walls, the top of the cabinet extending beyond the opened end of the cabinet and having a depending flange, a cover for the cabinet including side flanges arranged to overlap the sides of the cabinet, one of said side flanges having elongated longitudinal slots therethrough, a hinge for each such slot in the flange of the cover, each hinge being secured on the side wall of the cabinet and entering a slot in the flange of the cover and being of substantially less width than the length of the slot, each such slot being so positioned with respect to its respective hinge that when the cover is in closed position the slot will extend upwardly a substantial distance



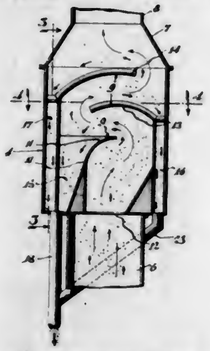
above its respective hinge, whereby the cover is secured for pivotal and longitudinal movement relative to the cabinet, a flange having a pair of openings therethrough on the cover arranged to overlap the bottom of the cabinet, a pair of depending lugs having openings therethrough extending from the bottom of the cabinet and arranged to extend through the openings in the flange, and a member pivotally mounted on the flange of the cover including a pair of wedged-shaped sections arranged to extend through the opening in the lug and secure the cover in the closed position.

2,246,348
CARBURETOR THROTTLE CONTROL
Irven E. Coffey, Normandy, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application July 25, 1940, Serial No. 347,416
8 Claims. (Cl. 137—139)



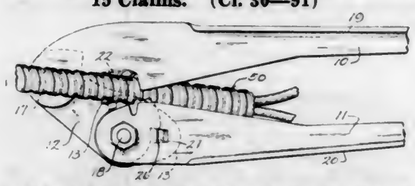
1. In combination with a carburetor throttle and manual control therefor, a liquid link connecting said members for joint operation thereof, resilient means incorporated with said link for providing yielding response of said throttle to movement of said control, and means to retard the movement of said throttle between selected positions thereof relative to corresponding movement of said control comprising an element actuated with said throttle to restrict said liquid link when said throttle is between said positions.

2,246,349
FLY ASH TRAP
John A. Crum, Arlington Heights, Ohio, assignor to The Nivison-Weiskopf Company, Reading, Ohio, a corporation of Ohio
Application March 7, 1938, Serial No. 194,387
8 Claims. (Cl. 183—75)



1. A device for separating and disposing of solid particles from the ascending flue gases of furnaces and the like comprising, a chamber having intake and outlet openings, a plurality of particle receiving compartments on relatively opposite sides of said chamber, each of said compartments including an inwardly extended deflector plate attached thereto along the open upper end of said compartment, said deflector plates spaced apart and having their free edges terminating a sufficient distance inwardly of the walls of said compartment to provide a tortuous passageway for the gases, so as to separate the solid particles therefrom by centrifugal force and deposit the same in the receiving compartments.

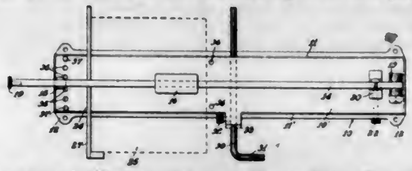
2,246,350
CUTTING TOOL
Joseph Dottl, Madison, Wis.
Application April 13, 1940, Serial No. 329,431
15 Claims. (Cl. 30—91)



1. A tool for severing articulated helical cable armor strips comprising compound action cutting pliers including a pair of members pivoted to the respective end portions of an intermediate lever, one of said members and said lever provided with complementary jaws adapted to clampingly engage the cable in oblique angular relation thereto, the other of said members having a cutting tooth in a position for cutting a slit in at least one turn of the helical strip.

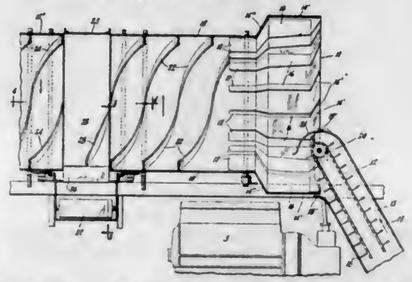
2,246,351
SCORING AND BREAKING DEVICE FOR TILES
Edmund Engleke, North Bergen, N. J.
Application October 10, 1939, Serial No. 298,791
8 Claims. (Cl. 125—23)

1. Scoring and breaking device for tile or the like, comprising in combination an elongated base to support the tile, gauge means adjustable transversely thereof to overhang the same and means to secure the gauge means in adjusted position, an arm pivotally supported above the base at its one end and extending over the gauge



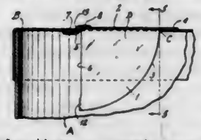
means, a buffer at its opposite end for limiting movement of the arm toward the base, a slide supported on and movable longitudinally of the arm, and a scoring element carried thereby, together with breaker means fixed to said arm.

2,246,352
CLEANING DRUM FOR CANE HARVESTING APPARATUS
Ralph Sadleir Falkiner, Melbourne, Australia, assignor, by mesne assignments, to United States Sugar Corporation, a corporation of Delaware
Application April 5, 1938, Serial No. 200,085
10 Claims. (Cl. 209—21)



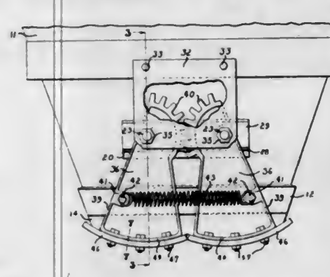
1. In a cane harvesting machine, a rotary drum for receiving cane and trash, means for inducing an air current through said drum, means for delivering cane and trash to a portion of said drum at a point substantially above the bottom thereof, said drum portion comprising screening means for enabling extraneous matter other than that carried by said air current to pass to the exterior of the drum, said screening means preventing passage of cane therethrough and providing for an upward flow of air under the action of said inducing means to the point of delivery of the cane and trash to said drum.

2,246,353
SPOUT CONSTRUCTION
Otto J. Gaedig, St. Louis, Mo., assignor to Sefton Fibre Can Company, Maplewood, Mo., a corporation of Delaware
Application April 15, 1940, Serial No. 329,615
5 Claims. (Cl. 221—11)



3. In combination, a container wall having a discharge opening therethrough and a member for closing said opening, said member having adjacent to one end thereof pairs of lugs projecting laterally therefrom in flatwise relation thereto on opposite sides thereof, the pair of lugs on each side of said member being spaced apart longitudinally thereof a distance equal to or slightly greater than the thickness of said container wall and disposed in similarly spaced parallel planes, and extending respectively into overlapping and underlapping relation to said wall to thereby provide a pivotal connection between said end of said member and said wall adjacent to the corresponding end of said opening, said lugs being disposed in flatwise relation to said wall in the closed position of said member and in edgewise rocking relation to said wall during the opening and closing movement of said member.

2,246,354
CLAMSHELL GATE FOR CONTAINERS
Leslie H. Garlinghouse, Los Angeles, Calif.
Application May 13, 1940, Serial No. 334,824
7 Claims. (Cl. 221—144)

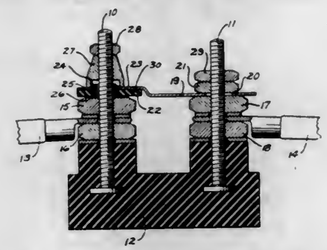


2. In a gate construction, a hopper having a collar thereon, a support on opposed sides of said hopper below the collar, a plate mounted on each support at opposite sides of the hopper, a channel member mounted on each plate, said plates and said channel members having a pair of apertures therein, a shaft fixed in each of said apertures, a shaft support mounted on the collar above each channel and extending downwardly, said shaft support having apertures receiving said shafts, an arm pivotally mounted on each of said shafts, said arms being arranged in adjacent pairs, interengaging teeth on each pair of arms, a spring having its ends attached to each pair of arms and normally pulling said arms together, and a pair of gate plates mounted on said arms.

2,246,355
ANTISERUM
Tillman D. Gerlough, Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application March 5, 1938, Serial No. 194,082
4 Claims. (Cl. 167—78)

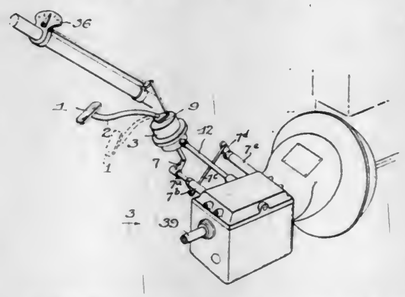
1. The process of refining and concentrating type-specific antipneumococcic rabbit serum which comprises adding a preservative, aging the serum at a low temperature, removing the precipitate, diluting the so-clarified serum with distilled water, heating to about 54–58° C., removing the precipitate, adding to the serum a sufficient quantity of a saturated solution of ammonium sulfate to make the resulting mixture about one-third saturated with the salt, filtering, adding to the filtrate a sufficient quantity of the saturated salt solution to make the mixture about one-half saturated with the salt, separating the precipitated antibody-containing protein, and removing the salt therefrom.

2,246,356
SHORT TEST TERMINAL
Audrey W. Graham, Ashville, Ohio, assignor, by direct and mesne assignments, to Russell B. Arnold, Chicago, Ill.
Application June 30, 1939, Serial No. 282,189
4 Claims. (Cl. 200—158)



1. For a test terminal for use with a pair of spaced apart terminal posts, a conductor bar having an opening through one end and the other end offset also with an opening therethrough, an insulating member filling in under the offset end, a spacing collar extending into the opening through the hole in said offset end and through the insulating member, a ferrule extending through the collar having collar impinging means at the ends of the ferrule, said bar having the openings therein spaced one from the other to receive said posts therethrough, a nut on the post which passes through the hole in the opposite end of the conductor bar from the offset end of the bar, and a nut on the post passing through the hole in said offset end, said last nut having its underside counterbored to clear said collar and to form an annular peripheral portion of the nut normally compressively engaging said offset portion of the bar.

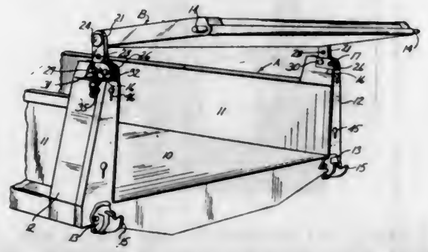
2,246,357
UNIVERSAL CONTROL FOR CLUTCH OPERATION AND GEAR SELECTION FOR AUTOMOTIVE VEHICLES
Edward R. Hodgman, Chicago, Ill.
Application June 12, 1939, Serial No. 278,647
5 Claims. (Cl. 192—3.5)



1. In an automobile equipped with the usual clutch mechanism, a foot pedal, means for disengaging the clutch when the pedal is depressed, means for selecting and engaging predetermined gears operable only when the pedal is partially

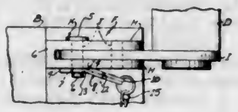
rotated in depressed position, and means coacting with said second mentioned means for returning said previously selected gears to neutral position when the pedal is shifted to any different position.

2,246,358
CONVERTIBLE END GATE HINGE
Joseph F. Jelinek, Minneapolis, and Emmet O'Reilly, St. Paul, Minn., assignors to St. Paul Hydraulic Hoist Company, Minneapolis, Minn., a corporation of Michigan
Application April 13, 1940, Serial No. 329,440
10 Claims. (Cl. 16—163)



3. A hinge for connecting a tail gate to a truck body, comprising a link pivotally connected to the gate and extending forwardly therefrom, means on the body for supporting the link against downward movement relative to the body, the said link having spaced apertures forwardly of its pivotal connection with the gate, and means for selective engagement with the said apertures for mounting the link rigidly or pivotally with respect to the body.

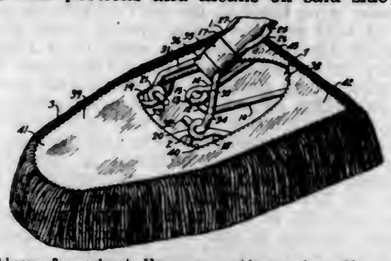
2,246,359
KEEPER LINK
Joseph F. Jelinek, Minneapolis, and Emmet O'Reilly, St. Paul, Minn., assignors to St. Paul Hydraulic Hoist Company, Minneapolis, Minn., a corporation of Michigan
Application November 1, 1940, Serial No. 363,890
3 Claims. (Cl. 16—169)



1. A keeper link for engaging a circumferentially grooved pin, comprising a partially round bight portion adapted to engage the groove in the pin, side portions extending from the extremities of the bight portion and terminating in rounded ends defining a partially round loop portion, and the said side portions being bent angularly with respect to the plane of the bight portion and at relatively different points with respect thereto, whereby the loop end will be angularly disposed and to cause one of the rounded ends defining said loop to overlie the other.

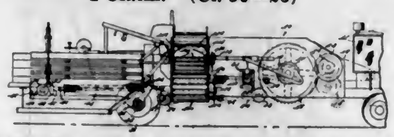
2,246,360
MOP
James H. Johnson, Kansas City, Mo.
Application April 10, 1939, Serial No. 266,956
5 Claims. (Cl. 15—147)

2. A mop frame including side bar portions extending from a toe portion and terminating in divided heel portions, means hingedly connecting said heel portions and means on said side bar



portions for pivotally connecting a handle on an axis transversely of the frame.

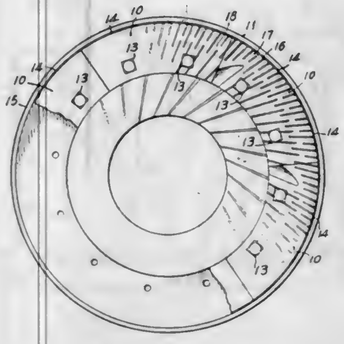
2,246,361
HARVESTER AND FEEDER
William A. Johnson, Springfield, Ill., assignor to The Ohio Cultivator Company, Bellevue, Ohio, a corporation of Ohio
Original application July 22, 1938, Serial No. 220,621. Divided and this application May 2, 1940, Serial No. 333,008
1 Claim. (Cl. 56—23)



Harvesting means comprising a mower, drive means for operating said mower as the same is moved through a field, and a gathering reel associated with said mower, said reel comprising a main shaft, a plurality of radially spaced parallel gathering shafts carried thereby, picker fingers on each of said gathering shafts, means for driving said main shaft, a sprocket on each of said gathering shafts, a plurality of sprockets on said main shaft, a sprocket chain connecting a pair of adjacent sprockets to one of said sprockets on said main shaft, and a sprocket chain connecting another pair of adjacent sprockets to another of the sprockets on the main shaft, said last mentioned sprocket chain and pair of adjacent sprockets being out of alignment with said first-mentioned sprocket chain and pair of adjacent sprockets, the said chains forming substantial triangles.

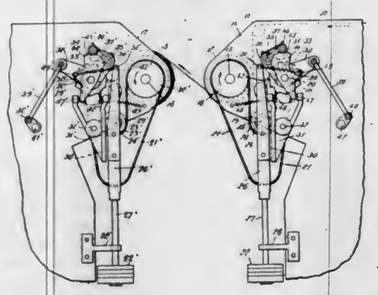
2,246,362
ABRASIVE DISK
Richard D. Kehoe, Hadlyme, Conn., and Robert B. Eastty, Montclair, and William H. Sayre, Essex Fells, N. J.
Application February 8, 1940, Serial No. 317,862
1 Claim. (Cl. 51—209)

An abrasion element for attrition mills and the like comprising a bonding matrix of moldable metal having a crenelated working surface provided with a series of grooves and intervening land portions, the material of said matrix being substantially continuous in the inner regions thereof and having relatively hard long-wearing abrasive grains at least partially embedded therein solely in the surface regions thereof both in the bottom and side walls of the grooves and in the land portions, said grains including a plurality of relatively large primary abrasive bodies of a substantially uniform size and a plurality of relatively small secondary abrasive bodies of a smaller uniform size occupying the intervening spaces existing between the primary bodies, said grains substantially coextensively covering the metal surface of the



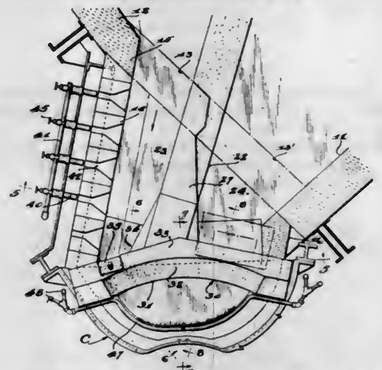
moldable matrix with the outermost grains of both sizes projecting outwardly therefrom in directions substantially normal to the surface thereof.

2,246,363
TENSION AND TAKE-UP DEVICE
William D. Kellogg and John Fradenburgh, Amsterdam, N. Y., assignors to Collins Loom Works, Inc., Amsterdam, N. Y., a corporation of New York
Application September 28, 1939, Serial No. 296,960
5 Claims. (Cl. 66—149)



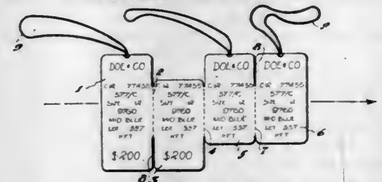
1. Apparatus for advancing a fabric under tension which comprises a pair of rollers in contact with the fabric, means for driving one roller to cause it to advance the fabric, and means for driving the other roller to cause it to roll up the fabric delivered to it by the first roller, the driving means for each roller including a pair of rotary members, one of which is connected to the roller to rotate therewith, a flexible endless element trained about the members, a weight connected to the element and exerting a constant pull thereon which is transmitted to the roller through the rotary member connected therewith and is effective to rotate the roller, the weight descending from an initial position in its operation, means for rotating the second rotary member to move the element to restore the weight to its initial position, and automatically actuated means for controlling the operation of the rotating means.

2,246,364
GLASS MELTING AND REFINING FURNACE
Clarence C. Kinker, James E. McBurney, and Robert W. Hopkins, Alton, Ill., and John A. Tassick, New York, N. Y., assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application July 24, 1937, Serial No. 155,406
9 Claims. (Cl. 49—56)



2. A glass melting and refining furnace comprising in combination a refining tank, a forebay positioned externally of the tank and formed with a channel through which molten glass is caused to flow from the tank through a gathering zone and back into the tank, said channel including a deep incoming channel section through which the glass is conducted from the tank toward the gathering zone, a deep return channel section through which the glass is returned from the gathering zone into the tank, a comparatively shallow intermediate channel section extending through the gathering zone, said intermediate channel section comprising a floor including a central horizontal floor portion at a comparatively high level defining a central gathering area and by which a comparatively rapid and uniform flow is obtained across the gathering area, and portions at a lower level extending between said high level portion and the said incoming and return channel sections respectively, said incoming channel section at its junction with said intermediate section being much narrower than the said return channel section, a gate bridging the channel at the junction of said incoming section and said intermediate section, said gate projecting downward below the glass level, and means for adjusting the gate up and down to regulate the depth at which the glass is drawn from said incoming channel section into the gathering zone.

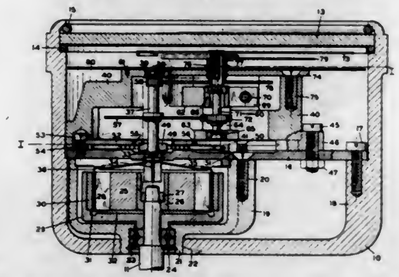
2,246,365
MULTIPLE PRICE MARKING TAG
Frederick Kohnle, Dayton, Ohio, assignor to Monarch Marking System Company, Dayton, Ohio, a corporation of Ohio
Application May 4, 1939, Serial No. 271,805
2 Claims. (Cl. 40—2)



1. As an article of manufacture, a ticket strip

of sheet material comprising a plurality of tickets of varying dimensions longitudinally, arranged side by side and separated one from the other by a series of cooperating notches of varying depths on the upper and lower edges of the strip, the inner termination point of each notch being in alignment longitudinally with the inner termination point of every other notch on the same edge of the strip.

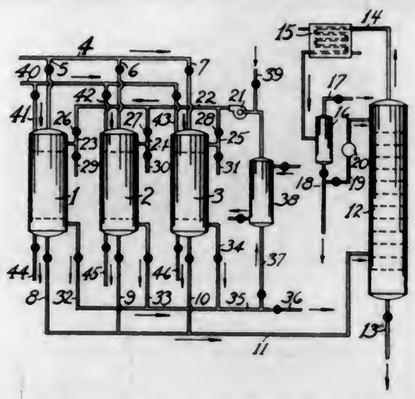
2,246,366
TACHOMETER
Paul Kollsman, New York, N. Y., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application November 2, 1939, Serial No. 302,621
In Great Britain November 3, 1938
3 Claims. (Cl. 264—13)



1. A rate of motion indicator comprising a first shaft to be connected to an engine or the like and rotatable at a rate proportional to the engine speed, a second rotatable shaft mounted in two spaced bearings, means between said first and second shafts for exerting a torque on the second shaft proportional to the angular velocity of the first shaft, yielding means connected to said second shaft counteracting the torque of said means between the first and second shafts and biased to cause an angular displacement of said second shaft proportional to the torque of said means between the first and second shafts, a third rotatable shaft mounted in two spaced bearings, a gear train connecting said second and third shafts to cause said third shaft to be angularly displaced in the opposite direction to the displacement of said second shaft and through a greater angle than said second shaft, the moments of inertia of said second and third shaft being substantially proportional to the ratio of transmission of said gear train, and indicating means connected to said third shaft, whereby error torques created at the second and third shaft by oscillatory vibrations acting on the instrument will be canceled out.

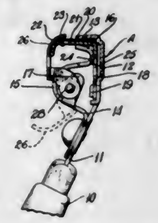
2,246,367
METHOD OF REGENERATING CONTACT MASSES
Robert W. Krebs, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 25, 1939, Serial No. 286,420
4 Claims. (Cl. 196—52)

1. In the regeneration of contact masses containing carbonaceous deposits wherein the regeneration is accomplished by passing a gas containing controlled amounts of oxygen through a contact mass at a temperature sufficient to burn said carbonaceous deposits and the passage of such gases is continued until regeneration is completed; the improvement which comprises passing the regeneration gas through the contact mass at lower velocity during the initial and final



period of the regeneration than during the intermediate period.

2,246,368
RAZOR
Leopold Kuhnl, Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y., a corporation of New Jersey
Application January 31, 1940, Serial No. 316,507
3 Claims. (Cl. 30—32)

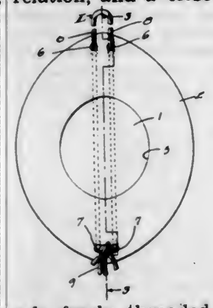


1. A razor of the type comprising a guard and blade-holding means adapted to position and hold a blade with its edge in shaving relation to the guard, in combination with a shield hingedly mounted on the razor, the hinge axis being positioned below the head of the razor and on a center so located that the arc in which the shield swings carries it into abutment with the guard, such shield when in such position of abutment extending over the entire length of and overlapping the edge of a blade located in shaving position in the blade holding means.

2,246,369
COMBINATION HAT PRESS AND HANGER
Olin York Kyte, Dunmore, Pa.; Mary Mitchell Kyte executrix of said Olin York Kyte, deceased
Application April 23, 1940, Serial No. 331,223
3 Claims. (Cl. 223—57)

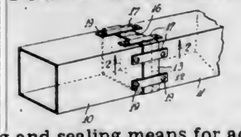
1. A combination hat press and hanger comprising two plates, one of said plates having an opening through which the crown of a hat is to be inserted from the rear to bring the brim of the hat between the plates, each of the plates at diametrically opposed points being provided with transversely spaced openings, the openings of one plate substantially registering with the

openings of the second plate when said plates are in overlying relation, and a closed loop having



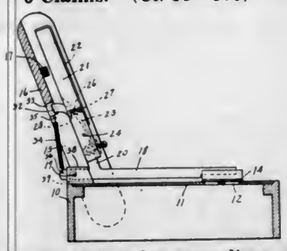
its side strands freely threaded through said openings.

2,246,370
PARTITION JOINT
Leo L. Lewis, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application May 10, 1939, Serial No. 272,825
1 Claim. (Cl. 285—193)



A bonding and sealing means for adjacent duct sections comprising a band of flexible metal and an adhesive material on the inner surface of said band and adhered thereto, and a plurality of clamping strips running cross-wise of said band and fastened to the adjacent duct sections on opposite sides of the line of jointure.

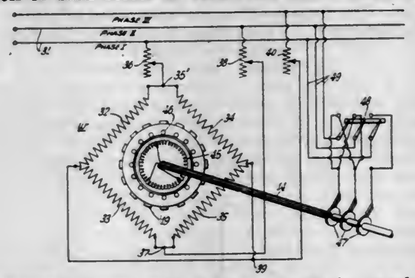
2,246,371
PIANO KEYBOARD FOR ACCORDIONS
Carl Lindeberg, De Kalb, Ill., assignor to The Rudolph Wurlitzer Company, Cincinnati, Ohio, a corporation
Application April 11, 1940, Serial No. 329,097
6 Claims. (Cl. 84—376)



1. In a piano action for accordions, the combination with a valve board and a key bed, of a key finger having a valve on one end thereof, said key finger having a rigid portion extending over said key bed, a key, and adjusting means connecting the finger and the key whereby the latter may be adjusted relative to the former.

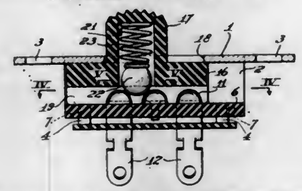
2,246,372
VARIABLE SPEED ALTERNATING CURRENT MOTOR
Edwin J. Lockwood, Peekskill, and John H. Foster, Merrick, N. Y.
Application January 6, 1939, Serial No. 249,546
3 Claims. (Cl. 172—274)

1. In a dynamo electric machine, the combination comprising a magnetizable member provided with a series of pole portions, a second intermediate member relatively movable with respect to said magnetizable member and provided with a second series of pole portions cooperating with said first series to provide a plurality of local magnetic circuits, said second member also being provided with a series of winding receiving slots, a third member relatively movable with respect to said intermediate member and provided with a series of cooperating winding receiving slots, a source of alternating current, induction motor windings disposed respectively in each of said series of slots and connected to be



energized from said source so as to produce motor propelling force between said second and third members, a magnetizing winding on said first named magnetizable member and wound about its pole portions and comprising sections connected to be excited from said source of alternating current in parallel with said motor windings, said sections being arranged to give bucking torques so as to produce a braking effect and when excited with a maximum valued current produce a slippage between said first and second members of substantially zero value, and controlling means for varying the exciting current supplied to said magnetizing winding.

2,246,373
ELECTRIC SWITCH
Edmund G. Lodge, St. Marys, Pa., assignor to Stackpole Carbon Company, St. Marys, Pa., a corporation of Pennsylvania
Application January 30, 1939, Serial No. 253,638
2 Claims. (Cl. 200—16)



1. An electric switch comprising a housing having a slot in its top, an insulating base for the housing, a plurality of terminals projecting from the inner face of the base, said terminals having spherical contact portions laterally spaced in a substantially straight line extending longitudinally of the housing and slot, a slidable actuator disposed in the housing for movement longitudinally thereof and provided with a button projecting through said slot, the body of the actuator being provided with a recess having its open end facing the terminals, a ball loosely disposed in the recess, a coil spring compressed between the ball and the inner end of the recess for biasing the ball into bridging contact with two adjacent terminals, the ends of said slot be-

ing adapted to be engaged by said button to limit the longitudinal movement of the actuator, and said recess confining the movement of the ball longitudinally of the base to substantially a straight line but being enlarged at the sides of the ball adjacent the ends of the slide to permit the ball to properly engage said terminals.

2,246,374

MINERAL OIL SULPHONATES, THEIR PURIFICATION AND FRACTIONATION

Charles J. Lohman and Latimer D. Myers, Cincinnati, Ohio, assignors to Emery Industries, Inc., Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application September 22, 1939, Serial No. 296,114
18 Claims. (Cl. 260—504)

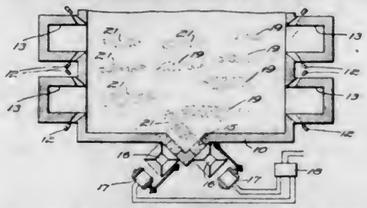
1. A process for removing inorganic and organic impurities from crude mahogany sulphonates, which process comprises dissolving crude mahogany sulphonates in a volatile, organic solvent which is substantially immiscible with water and which contains 4 to 8 carbon atoms, treating such solvent solution with water to remove inorganic impurities and salts, next, treating the solvent solution, from which the inorganic salts have been removed, again with water to remove organic impurities, and finally recovering mahogany sulphonates from the solution remaining after such water treatments by separating the mahogany sulphonates from the solvent.

2,246,375

METHOD OF AND APPARATUS FOR FEEDING BATCH TO GLASS MELTING FURNACES

Aaron K. Lyle, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application November 25, 1939, Serial No. 306,129
10 Claims. (Cl. 49—54)



5. Apparatus for feeding batch to a glass melting furnace comprising a furnace doghouse having side walls lying in outwardly convergent substantially vertical planes, and batch feeding devices associated with said side walls and positioned to direct the batch into the doghouse in inwardly converging directions.

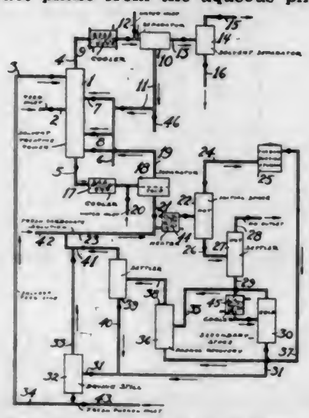
2,246,376

SOLVENT TREATING OF MINERAL OILS

Charles S. Lynch, Fanwood, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application August 26, 1939, Serial No. 292,045
7 Claims. (Cl. 196—13)

1. Solvent treating process comprising contacting a petroleum oil with a phenol solvent under conditions adapted to secure the formation of a raffinate phase and a solvent extract phase, separating the solvent extract phase and mixing the same with an aqueous alkali metal carbonate solution under conditions to convert a portion of the phenol to the corresponding alkali metal phenolate and to secure the formation of an extract phase substantially free of phenol and phenolates, and an aqueous phenol phenolate phase substantially free of extract, separating the extract phase from the aqueous phenolate-



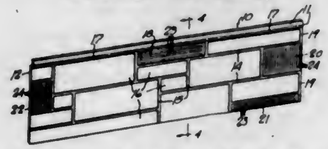
phenol phase, cooling the latter phase to separate a phenol phase from an aqueous phenolate phase, treating the aqueous phenolate phase with carbon dioxide to convert the phenolate to the corresponding phenol.

2,246,377

SIDING MATERIAL

Lee H. Mattes, South Bend, Ind., assignor to Mastic Asphalt Corporation, South Bend, Ind., a corporation of Indiana

Application March 20, 1941, Serial No. 384,309
5 Claims. (Cl. 20—5)



1. A siding member adapted to be applied to a building wall in horizontal alignment with like members, comprising a rectangular panel having one surface shaped to simulate a plurality of masonry elements of different shapes and sizes arranged in random relation, said elements extending to one horizontal edge of said member, the other horizontal edge of said member being provided with a mortar strip interrupted by an element extending to said edge, said last named element abutting a complementary element on a vertically adjoining member, said complementary abutting elements being provided with spaced horizontal texture-simulating lines to create an optical illusion of a break in the horizontal joint between vertically adjacent members and thereby conceal the horizontal course arrangement of the horizontally aligned members on a wall.

2,246,378

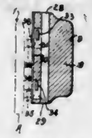
SAFETY RAZOR

Adolf H. Morner, New York, N. Y.

Application July 13, 1937, Serial No. 153,305
9 Claims. (Cl. 30—74.1)

1. A razor blade holder comprising a guard comprising a body portion having a front face adapted to receive a razor blade thereon; a

clamping head having an inner face opposed to said front face; said guard being provided with a longitudinal bore spaced from said front face, and apertures establishing communication between said front face and the longitudinal bore and elongated in the direction of the bore; each of said apertures being provided at opposite sides



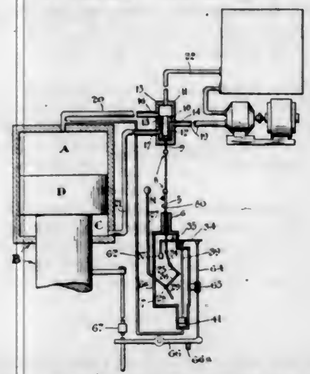
with shoulders longitudinal to the bore and terminating short of one end of the aperture, to leave entrant portions; and locating pins on the inner face of the head adapted to be received by the entrant portions when the guard and blade are assembled on to said front face; said pins having lateral shoulders adapted to engage under said first named shoulders.

2,246,379

VALVE CONTROL MECHANISM FOR HYDRAULIC PRESSES

William P. Muir, Montreal, Quebec, and John H. Maude, Verdun, Quebec, Canada, assignors to Dominion Engineering Works Limited, Lachine, Quebec, Canada

Application November 18, 1938, Serial No. 241,190
In Canada October 20, 1938
16 Claims. (Cl. 121—38)



1. Valve actuating mechanism of the character described comprising, in combination, a valve, a rack member connected to said valve, a pinion meshing with said rack member, a shaft on which said pinion is rotatably mounted, means for operating said pinion and rack member in response to rotation of said shaft comprising a driving element fixed to rotate with said shaft and a driven element on the pinion adapted to be engaged by said driving element, a valve operating lever and toggle links connected between said lever and said rack member.

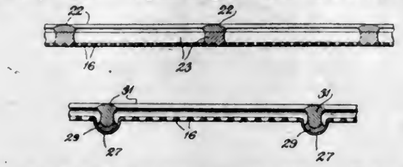
2,246,380

ELECTROLYTIC METHOD OF PRODUCING SCREENS

Edward O. Norris, Westport, Conn., assignor to Edward O. Norris, Inc., New York, N. Y., a corporation of New York

Application February 19, 1938, Serial No. 191,405
5 Claims. (Cl. 204—11)

1. A process of reinforcing a thin metallic screen, which comprises the steps of electro-depositing on the screen a layer of metal that may be selectively etched to the exclusion of the metal of the screen, blanking out spaced areas of said layer with electric insulation material but leaving intersecting lanes of bare metal between said areas, electro-depositing in said lanes ribs of a



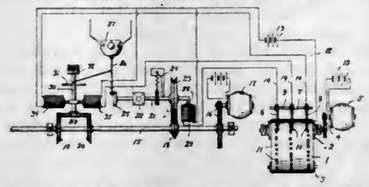
metal resistant to an etching reagent that reacts on the metal of the said layer, removing said insulation material, and etching out all of said layer except narrow web portions integrally connecting said ribs to the screen by means of an etching reagent that reacts on the metal of the said layer but does not react on the material of the screen or the material of said ribs.

2,246,381

CONTROL MEANS FOR MOVING PUPPETS

Henry Paull, Duluth, Minn.

Application March 4, 1940, Serial No. 322,265
5 Claims. (Cl. 46—126)



1. In a mechanical puppet operating device, a puppet having a plurality of movable parts, a relatively continuously operating element, separate independent means each connected to a movable part of said puppet and engageable with said operating element, an electric circuit for control of each of said independent means, and means for selective control of said circuits whereby to engage said independent means with said operating element at predetermined times.

2,246,382

CURTAIN PROTECTOR

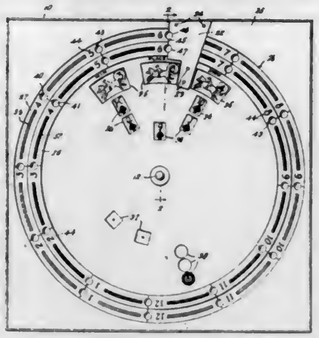
John E. Pratt, Fairfield, Conn.

Application April 25, 1940, Serial No. 331,502
8 Claims. (Cl. 156—40)



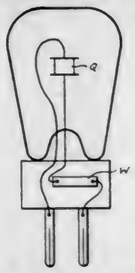
1. A curtain protector comprising a body member adapted for mounting on the bar at the lower end of a window shade adjacent the end of the bar, and a protecting element mounted on said body adjacent the upper end thereof and curved forwardly and downwardly therefrom to engage a curtain in front of the shade as the shade is lowered and force the curtain forwardly to prevent the end of the stick catching in the curtain.

2,246,383
AMUSEMENT DEVICE
Harold A. Rice, Jackson Heights, N. Y.
Application October 25, 1939, Serial No. 301,167
3 Claims. (Cl. 273—142)



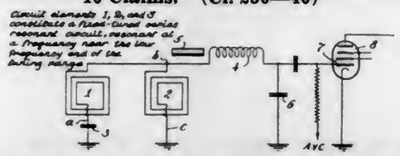
1. In an amusement device including superposed relatively movable panels and a fixed covering member having openings therein, said panels being provided with a set of game symbols, said upper panel having openings therein adapted to expose therethrough the symbols of the lower panel, the symbols on the upper panel and on the lower panel when exposed through the openings in the upper panel being adapted to be displayed through the openings in the covering member, said panels also having spaced marginal graduations, the graduations on the upper panel being adapted to be aligned with the graduations on the lower panel, said panels each having corresponding varied denominations adjacent the graduations adapted for registering the graduations with a point on the covering member for setting the panels with reference to each other for varying the exposing of the game symbols through the openings in the upper panel and through the openings in the covering member.

2,246,384
PIEZOELECTRIC CRYSTAL HOLDER
Johann Richter, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 10, 1940, Serial No. 318,381
In Germany November 30, 1938
4 Claims. (Cl. 171—327)



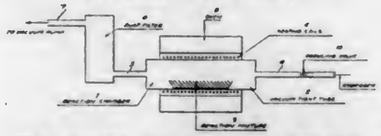
1. A piezo-electric crystal holder comprising a crystal element, a glass envelope for enclosing said crystal element, a base member supporting said glass envelope and said crystal element, and a resistance located within said base and connected in series with said crystal element.

2,246,385
SIGNAL COLLECTING SYSTEM FOR RADIO RECEIVERS
William A. Schaper, Cicero, Ill., assignor to Johnson Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application February 19, 1940, Serial No. 319,672
10 Claims. (Cl. 250—40)



1. A signal-collecting system for use in radio receivers and the like including a fixed-tuned resonant circuit comprising two exposed inductive elements and a capacitor in series, a variably-tuned resonant circuit comprising one of said inductive elements, a second capacitor and an unexposed inductive winding in series, and means for tuning said tunable circuit to resonance with a desired signal solely by variation of the inductance of said winding.

2,246,386
PROCESS OF PREPARING METALLIC CHROMIUM FROM CHROMIUM CHLORIDE
Kurt Schneider, Sandersdorf, Kreis Bitterfeld, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application December 27, 1939, Serial No. 311,127
In Germany January 25, 1939
6 Claims. (Cl. 75—84)



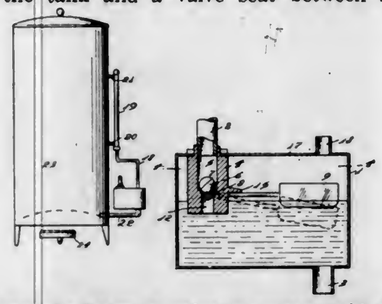
1. The process for producing metallic chromium which comprises passing a current of unpurified, technically produced hydrogen over chromium chloride at an elevated temperature under reduced pressure of at most about 100 mm. Hg.

2,246,387
SINTERED HARD METAL ALLOY, IN PARTICULAR FOR TOOLS
Paul Schwarzkopf, Yonkers, N. Y., assignor to American Cutting Alloys, Inc., Yonkers, N. Y., a corporation of Delaware
No Drawing. Continuation of application Serial No. 202,436, April 16, 1938. This application February 8, 1941, Serial No. 378,054. In Germany May 16, 1929
1 Claim. (Cl. 75—136)

A sintered hard metal composition, in particular for tools and other working appliances and parts thereof, substantially consisting of about 4% titanium carbide and about 86% tungsten carbide in substantially monophasic solid solution, balance essentially metal of the iron group.

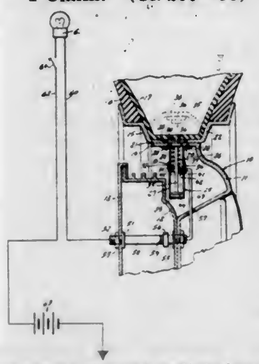
2,246,388
FLOAT MECHANISM FOR URNS
Ralph Sica, Philadelphia, Pa.
Application January 13, 1940, Serial No. 313,695
1 Claim. (Cl. 137—68)

The combination with a hot water urn, of a gauge glass at the side of the urn and in communication at its upper and lower ends with the urn, a tank positioned near the bottom of the urn, a pipe communicating with the lower end of the gauge glass and the upper end of the tank, a discharge pipe from the tank opening into the urn above and in proximity to its bottom, a valve casing in the tank having an inlet connected with a source of liquid supply, a discharge leading into the tank and a valve seat between said



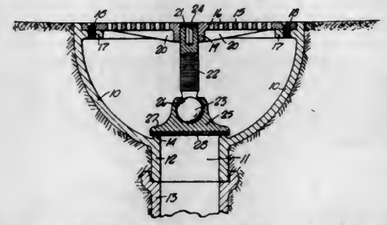
inlet and discharge, a valve to engage said seat, a rock shaft rotatably mounted in the valve casing, extending across said discharge to substantially close it and having a flat face, forming cam faces at opposite sides of said valve, positioned beneath the valve when the latter is seated, and a float fixed to said rock shaft and said valve casing having a stop limiting upward movement of the float to prevent one of said cam faces opening the valve when the float moves upwardly.

2,246,389
TIRE PRESSURE INDICATING SYSTEM
Olaf B. Skonnord, Valley City, N. Dak.
Application May 20, 1940, Serial No. 336,233
1 Claim. (Cl. 200—58)



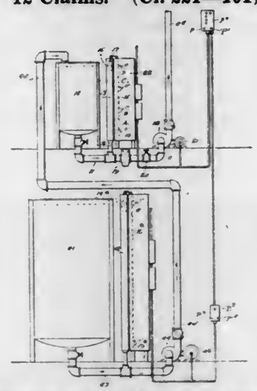
A tire pressure actuated switch for a pneumatic tire equipped vehicle wheel having a rim and an inner tube within said tire directly engaging a portion of said rim when under normal operating tire pressure, a depending casing fixed to the underside of said rim, said casing comprising separable upper and lower casing parts, a plunger in said upper casing part arranged to contact said inner tube, spring means in said upper casing part acting on said plunger to elevate the same and being held compressed by virtue of the air pressure in said inner tube exerted thereby on said plunger, said plunger comprising a stem guided within said casing and enxtending into the lower casing part, an insulating washer surrounding said stem and clamped between the upper and lower casing parts, a contact button supported solely by said insulating washer, a contact disc on said stem, said contact disc being spaced from said contact button when said plunger is depressed and adapted to engage said contact button when said plunger is elevated to close an electric circuit.

2,246,390
VALVED FLOOR DRAIN
Zachary Harry Smith, Mishawaka, Ind.
Application September 21, 1939, Serial No. 295,874
5 Claims. (Cl. 182—31)



1. In a valved floor drain, a perforated cover plate adapted to be fixedly secured to the upper end of a cup-shaped drain bowl, said plate having a downwardly projecting internally screw threaded collar integral therewith, a shaft threaded in said collar with its upper end normally positioned at or below the upper face of said plate, and a valve member having a universal joint connection with the lower end of said shaft.

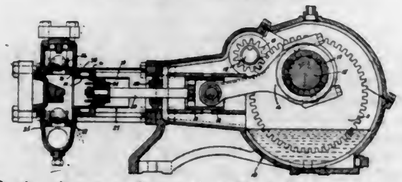
2,246,391
ELECTRICAL CONTROL APPARATUS
Carl P. Sorensen, Chicago, Ill.
Application April 3, 1939, Serial No. 265,644
12 Claims. (Cl. 221—101)



1. Electrically controlled apparatus for withdrawing measured portions from a dispensing tank, comprising a plurality of normally closed, float-operated switches arranged in a row, in series, a float which rises and falls with the rise and fall of the level of the tank contents, a switch tripping device operated by the float and arranged to trip said switches in succession, as a result of the lowering of the tank contents to definite levels, whereby to momentarily open the closed contacts of the tripped switch, said switches being uniformly spaced apart the distance required to control the withdrawal of measured quantities of the tank contents, an electrically operated discharging device through

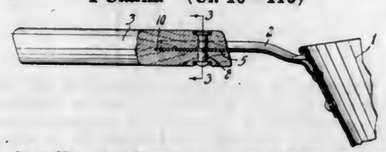
which the tank contents are withdrawn, an energizing circuit for said discharging device and a circuit closer therefor, a holding circuit for said circuit closer, including a coil in series with said switches and in series with normally open contacts in the holding circuit, which coil, when energized, closes the energizing circuit through said circuit holder, and simultaneously closes the contacts in the holding circuit, a remotely located push button in series with said switches and the coil of the circuit closer, through which said coil is momentarily energized to close the energizing circuit and simultaneously close the holding circuit and hold it closed until broken at any of the switches.

2,246,392
CYLINDER CONSTRUCTION
Warren M. Spreng and Karl L. Finley, Ashland, Ohio, assignors to The F. E. Myers & Bro. Co., Ashland, Ohio, a corporation of Ohio
Application January 13, 1940, Serial No. 313,740
6 Claims. (Cl. 309—3)



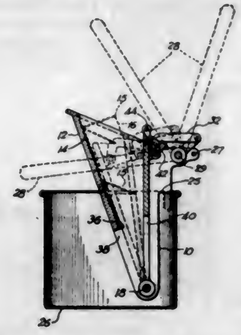
6. An improved construction for engine cylinders and the like comprising a cylinder housing, a cylinder liner positioned in said housing, and piston means reciprocable therein, said cylinder liner consisting of a sleeve having substantially the same external diameter from end to end, said cylinder liner comprising a tapered outer wall section of slightly greater diameter than the remaining portion of said sleeve liner, said cylinder housing having a reverse tapered opposed inner wall surface section for providing friction engagement with said tapered sleeve portion, said cylinder liner being maintained fixed relative to said housing by said friction engagement and by the pressure of the fluid admitted to said cylinder liner during operation of said engine.

2,246,393
HANDLE CONSTRUCTION
John A. Sperry, Tallmadge, Ohio, assignor to The Baker McMillen Company, Akron, Ohio, a corporation of Ohio
Application November 7, 1940, Serial No. 364,646
1 Claim. (Cl. 16—116)



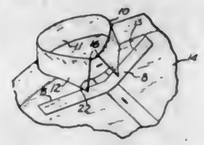
A handle construction comprising a handle body, a transversely curved attaching plate of substantially the same width as the body, said handle having a similarly curved slot extending through the body from side to side thereof in which the curved plate is fitted so that relative pivotal movement of the plate and the handle is prevented, a pin through the handle body and the attaching plate and a formation at the inner end of the plate to interlock the plate and the handle body.

2,246,394
CAN CRUSHING MEANS
James W. Steele, North Kansas City, Mo.
Application December 24, 1938, Serial No. 247,611
3 Claims. (Cl. 153—10)



1. In a device for crushing empty cans, a pair of relatively movable approximately upright jaws for engaging opposite sides of the can, and a transverse rib pivotally mounted on one of said jaws for swinging movement from operative position across the working face of said jaw around to the rear face thereof out of operative position.

2,246,395
COLLAR SUPPORT
James W. Steele, North Kansas City, Mo.
Application July 13, 1939, Serial No. 284,154
2 Claims. (Cl. 223—83)

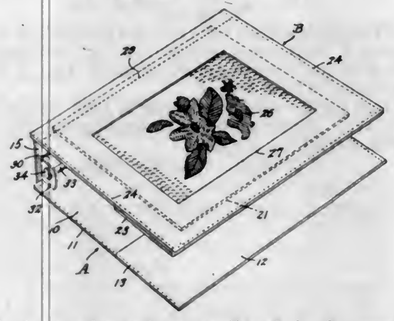


1. A collar support for collar-attached shirts, comprising a single strip of flexible and relatively stiff material insertable between the folds of the collar and extending across the meeting ends at the front of the collar and also entirely around the side curved portions thereof and terminating within the rear portion of the collar.

2,246,396
REDUCTION OF CHROMATES TO PRODUCE CHROMIC OXIDE
Omar F. Tarr, Stoneleigh, and Llewellyn G. Tubbs, Baltimore, Md., assignors to Mutual Chemical Company of America, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 7, 1938, Serial No. 212,388
2 Claims. (Cl. 134—58)

1. The method of reducing alkali chromates and of producing hydrous chromic oxide which comprises gradually adding an alkali chromate solution to a hot, aqueous, alkaline emulsion of sulfur and sodium sulfide, whereby the alkali chromate is immediately reduced by the excess alkaline sulfur emulsion with avoidance of excess chromate during the process, and separating the hydrous chromic oxide from the reaction mixture.

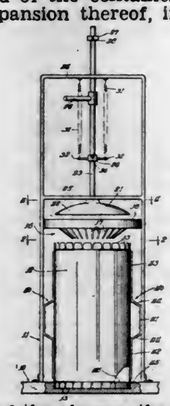
2,246,397
ORNAMENTAL BOOK COVERING
David Traum, New York, N. Y., assignor to Dritz-Traum Company, Inc., New York, N. Y., a corporation of New York
Application March 9, 1940, Serial No. 323,107
3 Claims. (Cl. 281—17)



1. A supplementary sectional book covering including a rear section and a front section, said rear section comprising inner and outer plies and a hinge flap, said inner ply being folded inwardly upon itself at its forward edge with the folded portion secured thereto along the side edges thereof to form a pocket with said inner ply and said hinge flap being secured along one edge to said rear section between the inner and outer plies thereof, said front section comprising an inner ply, an intermediate ply and an outer ply cut away to provide a framed opening, said inner ply being folded inwardly upon itself at its forward edge with the folded portion secured thereto to form a pocket therewith and said intermediate ply being adapted to be ornamented and subsequently inserted between said inner and outer plies for display through said opening in the outer ply, and said hinge flap being adapted to have its longitudinal free edge adjustably disposed between the inner and intermediate plies of said front section to accommodate books of different thickness with the covers of the books extending into said pockets respectively, and means securing said hinge flap and the inner ply, the ornamented intermediate ply and the outer ply together.

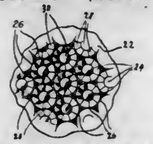
2,246,398
CONTAINER FORMING DEVICE
Raymond H. Van Saun, Chicago, and John L. Ferguson and Reese Treharne, Joliet, Ill., assignors to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application September 19, 1940, Serial No. 357,390
6 Claims. (Cl. 93—55.1)

1. A mechanism for inserting a closure within the end of a collapsible type, cylindrical container including a plurality of spaced tabs extending from one end thereof, said mechanism comprising, in combination, a supporting base, means on the base for maintaining a cylindrical container in approximate cylindrical shape, a closure supporting member adapted to support a closure in proximity to an open end of a container on the suporting base, said closure supporting member comprising a plurality of swingably mounted finger elements having free end portions of reduced thickness, the finger elements being adapted to support the closure in one position and being adapted, when swung, to come into contact with the inner surfaces of tabs on the container, a follower member having a head portion of comparable size and shape with the interior of the container and adapted to contact a closure on the finger elements and force it in a direction causing swinging of the finger elements whereby the finger elements will tend to engage the spaced tabs on the container, bringing the end of the container, in the event of imperfect expansion thereof, into conformity



with the shape of the closure, the container supporting means being so positioned with respect to the closure supporting member and so related to the length of the tubular containers to be employed therewith, that the follower member will cause the closure to pass out of contact with the reduced ends of the finger elements just prior to forcing the closure into final position within the open end of the container.

2,246,399
JEWELRY ORNAMENT
Joseph Vastano, East Providence, and Eugene Bazner, Providence, R. I.
Application April 18, 1940, Serial No. 330,334
4 Claims. (Cl. 63—2)

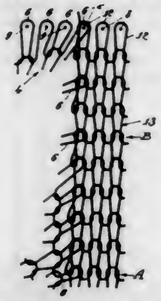


2. As a new article of manufacture, a metal ornament having a non-planar gem paved simulating ornamented surface, comprising a plurality of relatively small multi-faceted indentations extending throughout a substantial predetermined area of the ornament surface so closely nested as to have the thin side walls of each faceted indentation substantially also comprise the side walls of adjacent faceted indentations and with the facets of each indentation similar to those of the gem to be simulated and having highly reflective brilliant surfaces, to simulate a gem embedded in each indentation.

2,246,400
STOCKING AND A METHOD OF MANUFACTURING STOCKINGS
Arnold Friedrich Verbeek, Oberlungwitz, Germany, assignor to Kalio, Inc., New York, N. Y., a corporation of New York
Application February 11, 1939, Serial No. 255,894
In Germany February 15, 1938
17 Claims. (Cl. 66—184)

17. In a stocking of the character described,

a knitted sole fabric and a knitted heel fabric, a series of successive loops of one course in the sole fabric being interconnected with successive



courses in the heel fabric and another series of successive loops of said course of the sole fabric being interconnected with spaced courses in said heel fabric.

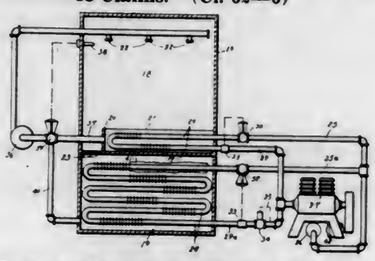
2,246,401

METHOD AND MEANS FOR PROVIDING REFRIGERATION

Robert W. Waterfill, East Orange, and Carlyle M. Ashley, Maplewood, N. J., assignors, by mesne assignments, to Carrier Corporation, Newark, N. J., a corporation of Delaware

Application October 3, 1933, Serial No. 691,928

18 Claims. (Cl. 62—6)



3. In an apparatus for cooling the atmosphere of an enclosure, a first refrigerant circuit including an evaporator normally receiving refrigerant supplied thereto at a relatively high suction pressure, a second refrigerant circuit including an evaporator normally receiving refrigerant supplied thereto at a relatively low suction pressure, a refrigerating machine, and means including a valve responsive to suction pressure for opening and closing said second refrigerant circuit in accordance with variations in heat load in said enclosure.

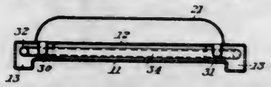
2,246,402

WATER-COOLING DEVICE FOR FURNACES

Edward J. McDonnell, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey

Application September 9, 1938, Serial No. 229,117

6 Claims. (Cl. 122—499)



1. In a hollow water-cooled furnace door frame and skewback channel cooler, a body portion forming a top of the frame, legs forming sides of the frame, a substantially horizontal offset separated from the main body of the frame by a wall and adapted to project into the furnace chamber beneath a skewback channel and forming a nose portion, and connections for causing a parallel flow of water through said nose and body portions.

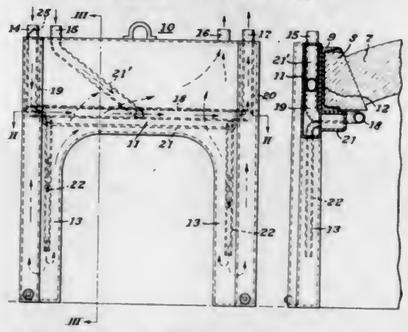
2,246,403

WATER-COOLING DEVICE FOR FURNACES

Edward J. McDonnell, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey

Original application September 9, 1938, Serial No. 229,117. Divided and this application July 1, 1940, Serial No. 343,406

5 Claims. (Cl. 122—499)



1. In a hollow water-cooled furnace door frame and skewback channel cooler, a body portion forming a top of the frame, leg portions forming sides of the frame, a substantially horizontal offset separated from the main body of the frame by a wall and adapted to project into the furnace chamber beneath a skewback channel and forming a nose portion, an auxiliary hollow horizontal offset separated from the main body portion of the frame and adapted to project into the furnace chamber beyond the first-mentioned offset portion, connections for causing a flow of cooling water through said last-mentioned offset portion, and connections for causing a flow of water in series through said first-mentioned offset portion and said leg and body portions of the cooler.

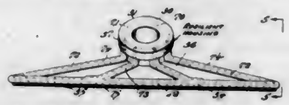
2,246,404

VACUUM CLEANER ATTACHMENT

Oscar A. Ross, Los Angeles, Calif.

Application October 20, 1939, Serial No. 300,411

3 Claims. (Cl. 15—155)



1. In a vacuum cleaner attachment, a rigid skeleton support comprising an orificed coupling member adapted to receive a correlated attachment, an orificed suction nozzle member and a plurality of rod-like connecting members arranged in skeleton-like chamber forming relation rigidly connecting said coupling and nozzle members in spaced relation, and a plastic material resilient housing in which said support is embedded extending between said coupling and nozzle member orifices and surrounding said connecting members for forming a suction type chamber between said orifices.

2,246,405

WATER-RESISTANT GLUE AND METHOD OF MAKING THE SAME

John R. Hubbard, Gowanda, N. Y., assignor to Peter Cooper Corporation, Gowanda, N. Y.

No Drawing. Application April 24, 1939, Serial No. 269,789

10 Claims. (Cl. 134—23.8)

1. A composition for producing a water-resistant glue film, said composition including a glue solution, a tanning agent comprising a salt of a metal selected from a group consisting of aluminum and chromium wherein said metal is present in the basic radical and which salt per se has a tanning action on glue, said composition including at least 6½% of said tanning agent based upon the quantity of glue in said composition, an alkali, and a volatile organic acid which reduces the pH of said composition to less than about 4.5, the quantity of alkali being such that the glue film after volatilization of said acid will have a pH from about 4.7 to 5.2.

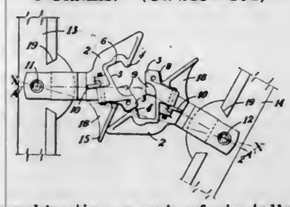
2,246,406

CAR COUPLER

Russell J. Wittmer, Cleveland Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio

Application August 10, 1938, Serial No. 224,028

8 Claims. (Cl. 213—104)



1. In combination, a pair of pivotally mounted car couplers each having a plurality of transversely spaced fixed jaws adapted to interengage when said couplers are coupled together, guiding surfaces on said jaws for normally guiding said couplers into coupled engagement and guiding means extending diagonally rearwardly of one of said jaws having a surface thereon at an angle to the guiding surfaces on said jaw adapted, when said couplers are horizontally angled relative to each other, to engage the opposite jaw of said other coupler on the side of a line drawn through the pivots of said couplers opposite to the longitudinal center lines of said couplers.

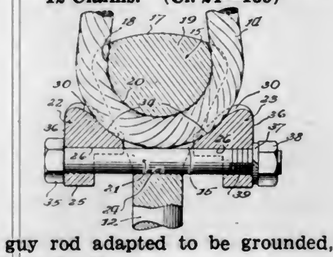
2,246,407

GUY ROD GROUNDING CLAMP

David C. Hubbard, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri

Application April 10, 1940, Serial No. 328,841

12 Claims. (Cl. 24—135)



4. A guy rod adapted to be grounded, comprising an elongated metal member having a head provided with an eye at one end, the said eye having a yoke provided with a groove of substantially circular cross section, and having an easy longitudinal curvature for engaging a cable, said eye having space to pass a cable and to pass a grounding clamp bolt, the part of said eye adjacent said bolt being formed complementarily to the external surface of said bolt, to provide longitudinal support for the bolt.

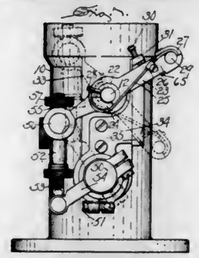
2,246,408

CARBURETOR

Grant Hammond, New Haven, Conn., assignor, by mesne assignments, to The Hammond Company, New Haven, Conn., a corporation of Connecticut

Application August 3, 1938, Serial No. 222,855

3 Claims. (Cl. 261—50)



3. A carburetor including a shell having an opening through it from end to end, a shaft pivotally supported by said shell, an air valve secured to said shaft in an unbalanced position thereon and subject to opening movement by vacuum within the shell, a spring attached to said shaft for resiliently closing said valve, a pivotally mounted control lever, a connection between said lever and valve, said connection including a stop member rigid with said air valve, a lug carried by said control lever in the path of said stop member and adapted to be engaged thereby to positively limit the opening of said air valve and a resilient member mounted on and carried by said control lever and extending farther into the path of said stop member for contact of the latter with said resilient member to constitute additional resilient resistance to opening of the air valve through a limited range in different positions of said control lever and independent thereof, a fuel valve for supply of fuel to said shell, and a connection between said control lever and said fuel valve for operation of the latter.

2,246,409

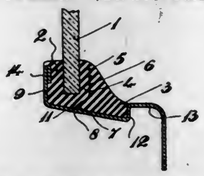
MEANS FOR GLAZING WINDOWS

Arthur Sam Cheston, Birmingham, England, assignor of one-half to Herbert Linwood Sleigh, Birmingham, England

Application August 23, 1939, Serial No. 291,578

In Great Britain November 29, 1938

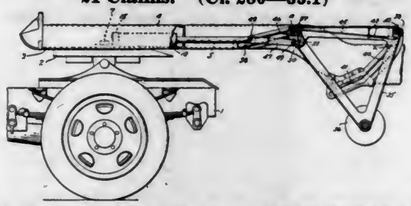
2 Claims. (Cl. 20—56.4)



1. A window construction comprising a win-

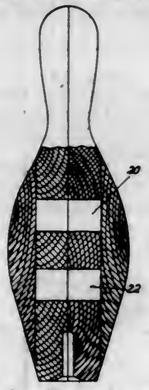
dow panel, a window frame having a continuous longitudinal recess in its inner periphery, and a resilient grooved glazing strip provided with a channel adapted to fit the edge of the window panel and having a flexible resilient and laterally-extending buttress flange hinged to the upper part of the outer wall of the channel and engaging the recess of the frame, said flange being provided on its inner side with a rib engaging a recess in the body of the strip below the outer wall of the channel.

2,246,410
SEMITRAILER STRUCTURE
William H. Wilson, Detroit, Mich.
Application July 13, 1939, Serial No. 284,157
21 Claims. (Cl. 280—33.1)



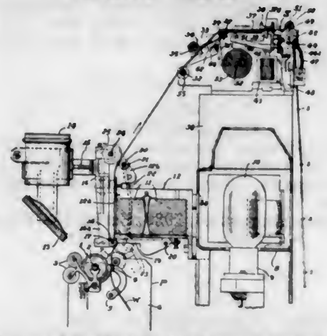
1. In a semi-trailer, a shiftable service bar having a coupling device thereon for coupling with a tractor and which coupling device is movable from and to a substantially definitely located coupled position and a substantially definitely located uncoupled position by the tractor; a movable support mounted on the semi-trailer, latch means for holding the support on various supporting positions as determined by the contour of the ground, means interconnecting the service bar and the support for shifting the support to and from supporting position and including a yieldable connection constructed and arranged so that the coupling head may shift to the definitely located uncoupled position while the support comes to rest at a supporting position determined by the ground contour, and means operable from the service bar for unlatching the latch prior to the delivery of forces from the service bar for shifting the support from supporting position.

2,246,411
LAMINATED BOWLING PIN
Karl Kraft, Chicago, Ill.
Application February 10, 1939, Serial No. 255,682
1 Claim. (Cl. 273—82)



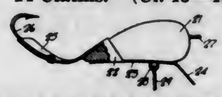
A laminated bowling pin composed of four slabs of sap-wood maple, a waterproof glue between each two slabs, the two central laminations each having at least two holes in the lower portions thereof, the size and location of the holes to be determined by a preliminary calculation of the possible final pin weight, whereby a balanced pin for balanced sets of ten-pins and one with a harder wearing surface throughout results.

2,246,412
MECHANISM FOR ATTACHING WEBS TOGETHER
David F. Newman, Rockville Centre, N. Y., assignor to Trans-Lux Corporation, New York, N. Y., a corporation of Delaware
Application August 19, 1938, Serial No. 225,676
6 Claims. (Cl. 88—24)



1. In combination, means for printing characters on a transparent or translucent web, means for moving said web with respect to said printing means and then through a projection field, means for moving an opaque web into face-to-face relation with respect to said first named web after the latter has passed beyond said projection field, and means for attaching said webs together, said opaque web forming a backing for said transparent or translucent web whereby the characters thereon may be read with ease.

2,246,413
FISHING LURE
Willis E. Haselwood, Elkhart, Ind.
Application March 19, 1938, Serial No. 196,812
14 Claims. (Cl. 43—46)

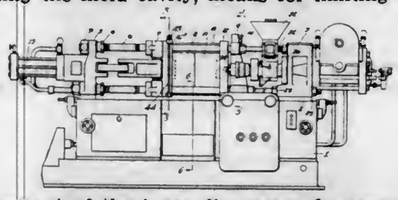


1. A fishing lure body comprising a plug type head, an intermediate portion and a tail portion, said intermediate portion being of reduced cross sectional dimension and disposed below the longitudinal axis of said head, said tail portion flaring laterally and curving upwardly from said intermediate portion and being generally of concavo-convex form with its concave face uppermost.

2,246,414
PLASTIC MOLDING MACHINE
Frederick W. McIntyre, Worcester, Mass., assignor to Reed-Prentice Corporation, Worcester, Mass., a corporation of Massachusetts
Application October 14, 1937, Serial No. 168,987
3 Claims. (Cl. 18—30)

1. In a molding machine for thermoplastics, a

nozzle, an inner die having a movement toward and away from the nozzle, an outer die movable away and toward the inner die for opening and closing the mold cavity, means for limiting the

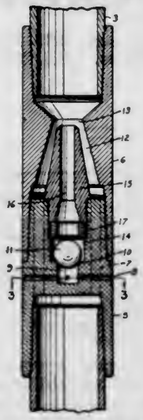


movement of the inner die, means for securing the inner and outer dies together for movement of both dies toward or away from the nozzle as a unit, and latch means for rendering said limiting means inoperative.

2,246,415
SULPHURIZED LUBRICANT
Ralph A. Potter, Berkeley, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application April 10, 1939, Serial No. 267,187
6 Claims. (Cl. 252—46)

3. A lubricant comprising mineral lubricating oil and from about 0.5% to 45% of rosin materials, and sulphur in solution in the lubricant in the order of 40% based on the rosin content.

2,246,416
WELL PUMP
Walter L. Church, Houston, Tex.
Application July 25, 1938, Serial No. 221,093
1 Claim. (Cl. 103—261)



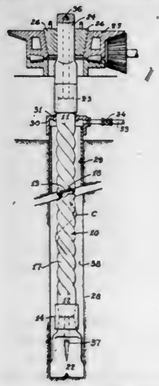
A fluid ejector pump comprising connected pin and box coupling members which are adapted to be connected into a tubing, said box coupling member having a threaded box in the lower end thereof and a Venturi passageway formed therein above the box, said pin member having a solid pin at the upper end thereof which is threaded into the box, the pin having a central axial socket which is threaded at the upper end thereof, and radial ducts communicating with the socket and extending through the pin member, a ball check valve positioned in the socket, a nozzle threaded into said socket and spaced from the walls of the Venturi passageway, whose upper end terminates adjacent the throat of the Venturi passageway in the box coupling member, said pin having channels through which fluid may be conducted from the tubing below the pin member to the Venturi passageway.

2,246,417
MEANS FOR BORE HOLE ORIENTING AND SURVEYING
Ray W. Smith, Houston, Tex., assignor of one-half to Morris McDannald, Harris County, Tex.
Application June 18, 1938, Serial No. 214,518
4 Claims. (Cl. 255—1)



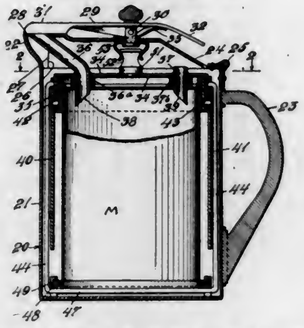
1. A tubular drill stem comprising relatively movable parts and embodying a non-magnetic section, said parts being movable into one position to expose said section and into another position to enclose said section and means for clutching said parts for simultaneous rotation when in said last named position.

2,246,418
ART OF WELL DRILLING
Clarence Ward Froome and Frank Cochran Boyd, Los Angeles County, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application March 14, 1938, Serial No. 195,710
5 Claims. (Cl. 255—24)



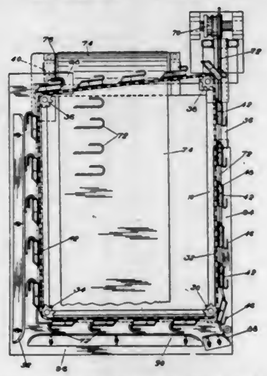
1. As a new article of manufacture, a drill pipe, the external and internal walls of which are in the form of spirally disposed concavo-convex corrugations.

2,246,419
SERVICE SUPPORT FOR CONDENSED MILK CANS OR THE LIKE
Earl Anson Luce, Providence, R. I.
Application February 9, 1939, Serial No. 255,549
1 Claim. (Cl. 65—61)



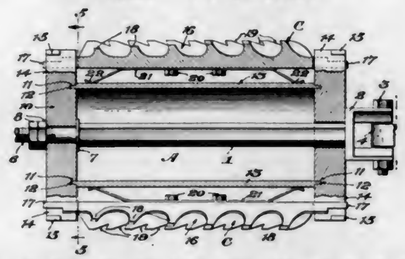
A service device for canned milk comprising a tubular supporting shell member for the can, pointed plunger tubes to puncture said can, manually operated lever means to operate said plunger tubes, a supporting member for said tubes, attached to a circular sliding member guided by the outer upper edge of can, a ring to hold lower end of can in position, pull wires to connect the upper and lower rings by means of the operating levers, rubber washers on plunger tubes, grooves in the shell member for levers and pull wires, an extended spout tube top on the upper end of liquid pouring plunger tube fitting into an extension of the supporting shell, a hinged spring-locked cover for the supporting shell member, a hand and spring-operated pivoted lever to open and close the pouring tube channel of the pouring plunger tube.

2,246,420
MACHINE FOR MAKING CANDY CANES
Robert I. Strongin, Chicago, Ill.
Application November 12, 1940, Serial No. 365,193
20 Claims. (Cl. 107—4)



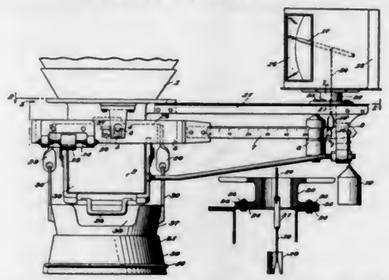
1. A machine for cutting and shaping plastic material, comprising a framework, means for moving a plurality of cutting and shaping dies around the framework, each die including holding means, cutting means, shaping means and an ejector mechanism, means for introducing the plastic material in rod form into the dies in succession as they travel around the framework, and means cooperating with said cutting, shaping and ejecting means to produce and discharge from the machine a completed article.

2,246,421
PIPE CLEANING APPARATUS
William Taren Tate, Manchester, England
Application November 12, 1938, Serial No. 240,189
2 Claims. (Cl. 15—104.16)



2. A scraper bar for pipe cleaning apparatus comprising an elongated body, transversely disposed arcuate cutting blades carried by the body and spaced longtudinally of said body, and a centrally disposed serrated rib extending longitudinally of the body and intersecting said blades, said rib having its serrated portion of uniform height throughout and the blades gradually increasing in height from the forward end of the bar rearward, the rearmost blade being of equal height to the serrated rib.

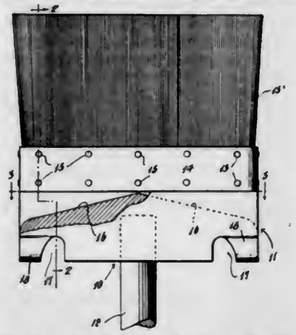
2,246,422
SACKING SCALE
Ernest K. Thomason, Atlanta, Ga., assignor to Atlanta Utility Works, East Point, Ga., a corporation of Georgia
Application June 10, 1939, Serial No. 278,549
7 Claims. (Cl. 265—51)



5. In a sacking scale, a trough, a movable yoke member fulcrumed on said trough to oscillate in a vertical plane, a scale beam having an end secured to said yoke member, a ring member disposed within said yoke member and pivotally suspended from the latter, a material supporting means in association with said trough and suspended from said ring member, and an angularly adjustable over and under weight indicating mechanism associated with said beam.

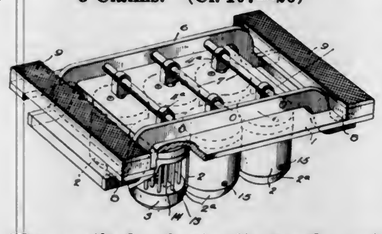
2,246,423
BRUSH
Felix Tobolski, Temple, Pa.
Application November 9, 1939, Serial No. 303,683
6 Claims. (Cl. 15—248)

1. A brush of the class described for overhead use having bristles, a trough at the base of the bristles to catch the returning liquid, said trough



being open at opposite ends and having its walls constructed and arranged for draining the liquid towards the said ends.

2,246,424
DOUGH CUTTING AND PANNING DEVICE
Charles Gainer Turner, Atlanta, Ga.
Application January 31, 1939, Serial No. 253,901
3 Claims. (Cl. 107—26)



1. The method of simultaneously cutting, forming and handling a plurality of dough blanks which comprises severing simultaneously a plurality of dough blanks from a sheet of prepared dough within the confines of a cutter individual to each blank being cut and having an unbroken perimeter, pressing and expanding diametrically and simultaneously the plurality of severed dough blanks into contact with the walls of the several cutters to an extent that said blanks will be held within the confines of the cutters and supported thereby, removing simultaneously the plurality of cut dough blanks within the confines of the cutters to a point remote from the point of cutting operation and thereafter expelling simultaneously the dough blanks from the cutter.

2,246,425
PRODUCTION OF DIAZOTYPE REFLEX COPIES
Gottlieb von Poser and Maximilian Paul Schmidt, Wiesbaden-Biebrich, Germany, assignors to Kalle & Co. Aktiengesellschaft, Wiesbaden-Biebrich, Germany
No Drawing. Application May 29, 1939, Serial No. 276,420. In Germany June 18, 1938
12 Claims. (Cl. 95—5)

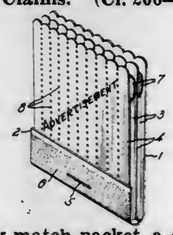
1. In a process for producing a reflex copy the steps which comprise placing a structureless transparent film sensitized by means of a substantially colorless diazo-phenol dialkyl ether carrying one of its two alkoxy groups in para-position to the diazo group and the other alkoxy group in ortho position to the diazo group upon the original which is to be copied, causing light to fall upon the original through the said light-sensitive material, developing the image thereon and reproducing the developed image on a diazo-photo printing material by direct contact methods.

2,246,426
HEAT INSULATED BOTTLE CONTAINER
Edgar Alvin Wickstrom, Marquette, Mich.
Application October 19, 1939, Serial No. 300,269
2 Claims. (Cl. 229—4.5)



1. An insulated container of the class described having an outer cylindrical wall provided with an interior annular returned portion at one end, an end wall disposed inwardly of said end having a marginal flange disposed between said returned portion and cylindrical wall, corrugated walls disposed in the space between said end wall and end of the cylindrical wall, and means also in said space to support the corrugated walls and seal the space containing them, and hollow wall means within the cylindrical wall having end contact with said end wall.

2,246,427
BOOK MATCHES
Ralph W. Wilton, Washington, D. C.
Application March 11, 1940, Serial No. 323,457
4 Claims. (Cl. 206—29)



1. In a book match packet, a card of interconnected matches of individually severable type, a back secured to one side of the match card at the base portion thereof, and a protector strip of leaf form secured in face-to-face relation with the other side of said match card at the base portion thereof and terminating in a free edge adjacent to the heads of the matches, said protector strip being formed with spaced lines of weakening substantially coinciding with the lines of separation between individual matches of said card and defining portions of said strip substan-

tially coextensive in area with individual associated matches and each such portion capable of severance with an individual associated match, said match card, back and protector strip when thus assembled completing the packet.

2,246,428
FISH FLY
Nelson Henry Berlew, Cortland, N. Y.
Application April 18, 1939, Serial No. 268,594
1 Claim. (Cl. 43—48)



A fishing fly of the class described comprising a section of the tail of an animal having the bone removed therefrom, and a fish hook having its elongated portion disposed longitudinally in the section where the bone was removed therefrom with the eye of the fish hook projecting from one end of the section and the sharp end of the fish hook from the other end of the section thereof, and a cord wrapped around the section adjacent the hook end of the fish hook for securing the section to the fish hook.

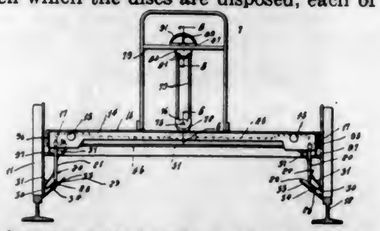
2,246,429
PROJECTILE
Edgar William Brandt, Paris, France, assignor to Sageb, Société Anonyme de Gestion et d'Exploitation de Brevets, Fribourg, Switzerland, a corporation of Switzerland
Application March 24, 1937, Serial No. 132,845
In France March 30, 1936
5 Claims. (Cl. 102—26)



1. A projectile for rifled arms, comprising a body having the greatest part of its longitudinal exterior profile in the form of an ogive decreasing from the portion of maximum diameter of the body to the front end thereof, a driving band located near the rear end of said body, and ejectable guiding means located on the ogival portion of the body and spaced forwardly thereon in advance of the portion of maximum diameter of the body, said ejectable guiding means being made of a plurality of ejectable guiding pieces constructed and arranged to be dislodged from the projectile through the vis viva imparted to those very guiding pieces by the centrifugal force, when the projectile issues from the rifled arm.

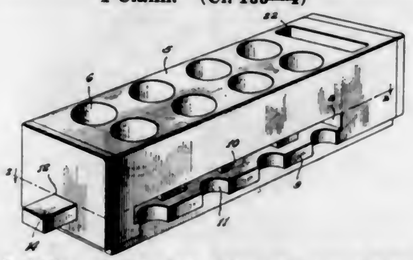
2,246,430
TRACK GAUGE
Ambrose T. Brumfield, New Salem, N. Dak.
Application September 12, 1940, Serial No. 356,541
8 Claims. (Cl. 33—146)

1. A track gauge comprising a frame, shafts journaled in said frame and disposed transversely thereof, arms loosely mounted on said shafts and depending therefrom, plates pivotally connected to the lower, free ends of said arms, discs carried by said plates, spring means for holding said discs at an oblique angle to the arms, means for yieldably urging the arms outwardly, lugs loosely connected to and projecting from said shafts, rods connected to the free ends of said lugs and extending inwardly of said frame, means associated with said rods and actuated thereby for indicating the gauge of a track, between which the discs are disposed, each of said



lugs being provided with an extension for engaging one of said arms for swinging the lugs inwardly of each other when said arms are moved outwardly by said yieldable means, and means for moving the lugs away from each other, when said arms are contracted.

2,246,431
CHIP DISPENSER
William D. Cochran, Iron Mountain, Mich.
Application March 21, 1939, Serial No. 263,251
1 Claim. (Cl. 133—4)

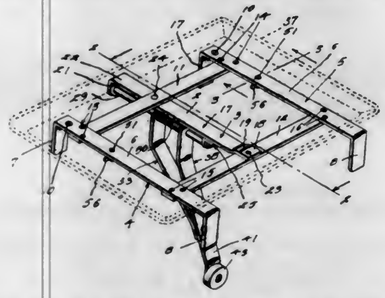


A device of the class described comprising a body portion having its opposite side walls at the lower end thereof cut away to form a reduced base and above the base having side recesses, the portions of the body between the base and the recesses defining chip supporting ledges overhanging said base and formed with finger-receiving notches, the body portion being formed with chip-receiving compartments leading from its upper surface and having side portions of their lower ends connecting with the recesses to provide outlets for discharge of chips onto said ledges, and means traversing the compartments for ejecting a selected number of chips from said compartments onto the supporting ledges.

2,246,432
TRAY SUPPORT
Sol Cohen, Atlanta, Ga.
Application December 5, 1939, Serial No. 307,679
2 Claims. (Cl. 311—22)

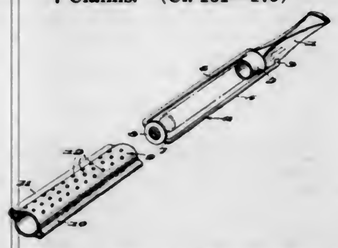
1. In a portable support for a serving tray, a pair of inverted yoke-shaped side bars each including a bight and front and rear arms, front and rear spaced parallel couplers disposed at right angles to and having the upper faces of their end terminal portions secured to the lower faces of said bight and spaced inwardly from said arms, a supporting member disposed at the transverse medians of and disposed at right angles to said couplers, said member having its rear terminal portion offset, arranged on and secured

to the upper face of said rear coupler, said member having its remaining portion arranged below and extended forwardly of said front coupler, said remaining portion being secured intermediate its ends to the lower face of said front coupler, said member being formed at its forward end with a depending apertured lug, an apertured angle-shaped depending element secured to the lower face of said member forwardly of and in proximity to said rear terminal portion, said element having its aperture aligned with the aperture in said lug, a cylindrical rod-like carrier disposed below, spaced



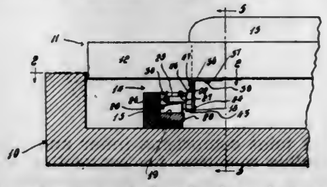
from and aligned with the said remaining portion of said member and having its ends fixed in the said aligned apertures, said bights being apertured, a bracing structure including a pair of arms connected at their lower ends and having spaced parallel apertured upper end portions slidably mounted on said carrier, a controlling spring mounted on the carrier between and bearing against said portions, and a pair of removable coupling devices coacting with the apertures of the bights and adapted to correlate with the bottom of the tray for detachably securing the latter on said bights.

2,246,433
CIGAR OR CIGARETTE HOLDER
Frank H. Coleman, Lake City, Fla.
Application April 29, 1940, Serial No. 332,393
7 Claims. (Cl. 131—175)



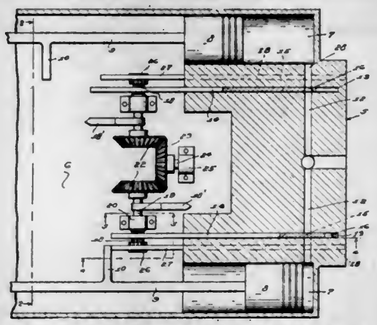
1. A cigar or cigarette holder comprising a mouth piece adapted to receive in the outer end thereof one end of the cigar or cigarette to be smoked; a pair of spaced parallel guide members connected to the mouth piece and extending axially from the outer end thereof; and a sleeve-like member having axially extending channels slidably engaging said guide members whereby said sleeve-like member can be moved along said guide member to a position to enclose the cigar or cigarette mounted in the mouth piece, said sleeve-like member preventing the dropping of ashes from the cigar or cigarette during the smoking thereof.

2,246,434
AUTOMATIC MAGNETIC KEY SUSTAINING DEVICE FOR KEYBOARD MUSICAL INSTRUMENTS
Joseph A. Dezso, South Bend, Ind.
Application February 29, 1940, Serial No. 321,589
7 Claims. (Cl. 84—441)



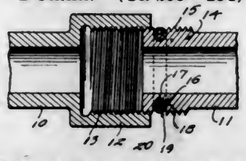
1. An attachment for keyboard type instruments comprising a block of insulating material mounted in an instrument frame, an electromagnet disposed in said block and connected to a source of electrical current, hangers connected to and depending from each of the keys of the instrument and provided with metallic blocks arranged for attraction by said magnet when their supporting keys are in a fully depressed position, a plurality of switches mounted in said insulated block and connected in circuit with said magnet, and a spring finger attached to each of said hangers, and extending outwardly and downwardly therefrom, for engaging and opening the switches when the keys are in a partially depressed position to break the circuit to the magnet.

2,246,435
VALVE MECHANISM FOR STEAM ENGINES
Daniel S. Dillenbach, Hastings, Nebr.
Application January 2, 1940, Serial No. 312,137
1 Claim. (Cl. 121—164)



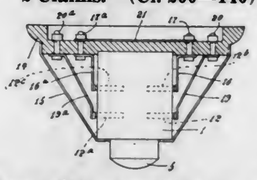
In a valve mechanism for steam engines, a cylinder block having cylinders and steam intake and exhaust passages connected to said cylinders, alternatingly reciprocated pistons in said cylinders and including connecting rods, arms on said connecting rods, shafts rotatably supported on the block and arranged in endwise relation, gearing connecting the adjacent ends of the shafts to bring about rotation of said shafts in reverse direction to each other when either of said shafts is rotated, gears secured to said shafts, rack bars meshing with said gears and slidably mounted in the block and lying in the paths of said arms to be alternatingly driven by said pistons and thereby alternatingly drive said shafts, gears secured to said shafts, and valve plates slidably supported by the block and including teeth in mesh with the last-named gears and having intake and exhaust ports for opening and closing the intake and exhaust passages of said cylinders.

2,246,436
SEALED PIPE JOINT
George T. Downey, Corry, Pa., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa.
Application February 14, 1941, Serial No. 378,983
1 Claim. (Cl. 285—154)



A sealed joint comprising inner and outer tubular coupling members for connection together in telescopic relation, said inner member being formed at one terminal portion thereof with threads on its outer periphery, said outer member being formed at one end terminal portion thereof with threads on its inner periphery for engagement with said outer threads when said members are in telescopic relation, one of said members being formed intermediate the ends of its threads with an annular groove, and a ring-shaped distortable sealing member seated in said groove and having a transversely rounded surface projecting outwardly of said groove to a point beyond the base of the threads on said one member whereby the threads of the other member will move over said surface and distort the latter into the valleys of the threads of the said other member without mutilation of said surface to provide a seal upon the connecting of one coupling member to the other.

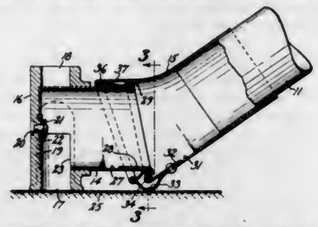
2,246,437
THERMOSTAT
Vere Edward Hampson-Tindale, Wellington, New Zealand
Application February 27, 1939, Serial No. 258,836
In New Zealand April 1, 1938
2 Claims. (Cl. 200—140)



1. A thermostat comprising in combination, means providing two sealed air chambers, one of said chambers being readily sensitive to heat and the other chamber being less readily sensitive to heat, a supply of a conducting fluid arranged in a passage connecting said chambers so as to be movable therein in response to the air pressure in either chamber, conductors arranged to be engaged by the liquid, and fusible means forming a part of the seal of the chamber which is less readily sensitive to heat for releasing the pressure therein when the ambient temperature rises gradually above a predetermined value.

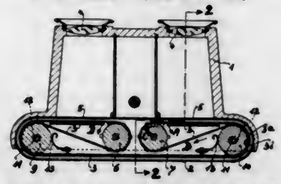
2,246,438
VACUUM CLEANER
William T. Hedlund, New Rochelle, N. Y., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application June 18, 1936, Serial No. 85,839
4 Claims. (Cl. 15—156)

1. A nozzle for vacuum cleaners including a mouth-piece, a hollow part mounted on said mouth-piece, a second hollow part for connection to a source of suction, a hinge connecting said hollow parts, and flexible material disposed



wholly within and surrounded by at least one of said parts for connecting said parts to form an air-tight conduit, said hinge being disposed within said air-tight conduit.

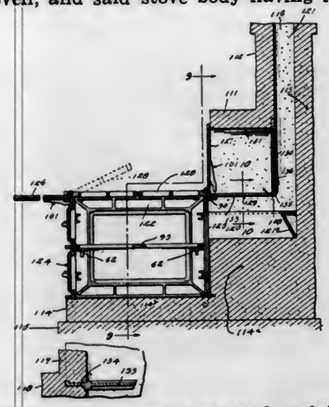
2,246,439
STEREOSCOPIC CAMERA
Alfred Hennicke and Hugo Bossel, Hamburg-Altona, Germany
Application November 3, 1938, Serial No. 238,643
In Germany February 10, 1938
4 Claims. (Cl. 95—18)



1. In a stereoscopic camera, a laterally elongated casing having a front wall provided with a pair of laterally spaced openings, a housing carried by said casing and projecting forwardly therefrom, said housing having a pair of lens openings axially alined with the first mentioned openings, a pair of guides located in the ends of said casing, a pair of rollers arranged in said casing adjacent to the transverse center of the casing on opposite sides thereof, said rollers being adapted to engage within opposed portions of an endless film and the guides being adapted to guide said film between themselves and to said rollers, means exterior of the casing for operating one of said rollers, and tensioning means for said film.

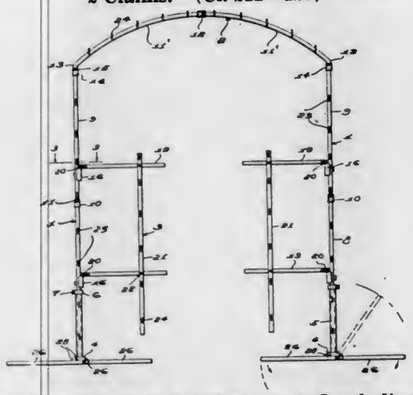
2,246,440
OUTDOOR STOVE STRUCTURE
Stanley C. Hester, Pontiac, Mich.
Application July 10, 1940, Serial No. 344,783
5 Claims. (Cl. 126—8)

4. In an outdoor stove structure, a chimney structure having an open front portion and with the upper part of said portion inset with respect to the lower part of such portion whereby said lower part will extend forwardly from said upper part, a stove body built in the forwardly extended part of said open front and including a fire chamber, an ash pit, a top and a forwardly directed normally horizontally disposed shiftable member seated on and hinged at its rear end to the rear end of said top, means supported by and extended rearwardly from the top of said stove body, embedded in and correlating with the chimney structure to form an open front oven rearwardly of and above said stove body, said member capable of being shifted rearwardly and upwardly to abut the front of the chimney structure to provide a closure for the open front of said oven, and said stove body having its front



and its top permanently exposed and its front provided with means for selectable access to said chamber and ash pit.

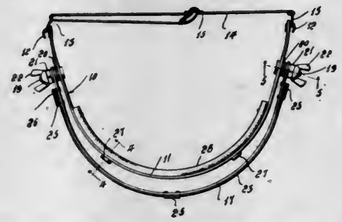
2,246,441
SUPPORT
Newell G. Hurlbut, Joplin, Mo.
Application February 26, 1940, Serial No. 320,919
2 Claims. (Cl. 211—125)



1. A support for building up a floral display comprising an arch-like frame including a pair of uprights, a pair of gates adapted to be detachably secured to said uprights, respectively, and being collapsible when detached, and coacting devices on said uprights and gates, respectively, for attaching said gates to said uprights, said devices securing said gates to the uprights in converging relation with inner ends spaced apart and maintaining said gates rigid against collapsing.

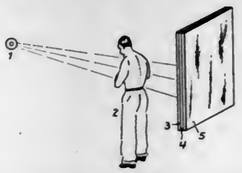
2,246,442
FACE AND EYE SHIELD
Honel A. Jackson, Detroit, Mich.
Application December 29, 1938, Serial No. 248,336
3 Claims. (Cl. 2—8)

3. An eye and face shield comprising, in combination, a supporting headband including a relatively stiff portion curved to engage the forehead of the wearer and adapted to extend rearwardly on opposite sides of the wearer's head, threaded members mounted in the rearward extending sections of said forehead-engaging portion and projecting outwardly therefrom, an arcuately shaped reinforcing band having openings in its ends receiving said threaded members and serving to pivotally connect the reinforcing band to the forward portion of the headband, the distance along said reinforcing band between its openings being greater than the distance along said forehead-engaging portion between said threaded members so as to dispose intermediate portions of the reinforcing band in spaced relation to the forehead portion of the headband, a sheet of relatively thin transparent material having its upper edge secured to said



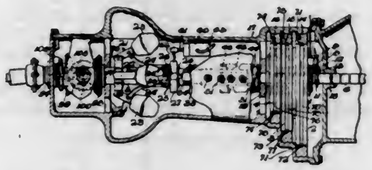
reinforcing band and extending along the reinforcing band toward the openings therein but terminating short thereof, said sheet assuming the curvature of said reinforcing band and swingable by virtue of said pivotal connection from a protecting position in front of the face to a position over the top of the head of the wearer, and nuts threaded on the outer extremity of said threaded members acting to frictionally clamp the ends of said reinforcing band to the forehead portion of the headband, said nuts being accessible to the hands of the wearer and capable of threaded adjustment while said shield is being worn to vary the frictional clamping action.

2,246,443
METHOD AND DEVICE FOR THE INVESTIGATION OF SUBSTANCES BY SLOWLY MOVING NEUTRONS
Hartmut Israel Kallmann, formerly known as Hartmut Kallmann, Berlin - Charlottenburg, and Ernst Kühn, Berlin, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
Application January 20, 1939, Serial No. 252,049
In Germany January 24, 1938
3 Claims. (Cl. 250—65)



1. A device for forming a photographic image of the distribution of the intensity over a beam of slowly moving neutrons, which comprises the combination of a photographic layer and a fluorescent screen associated with a composition containing a neutron-reactive element of the group consisting of lithium and boron, the fluorescent screen being arranged in the neighborhood of said photographic layer in such a way that rays emitted by the said screen act upon said photographic layer.

2,246,444
AUTOMATIC VARIABLE SPEED TRANSMISSION MECHANISM
Peter W. Kane, Rochester, N. Y., assignor of one-third to Joseph B. Barnes, Milford, Conn.
Application January 29, 1940, Serial No. 316,261
11 Claims. (Cl. 74—336.5)



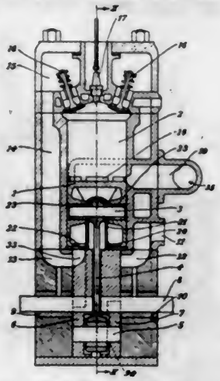
1. A variable speed transmission mechanism of the class described including a driving shaft having a pinion, a driven shaft, a plurality of gears of different diameters arranged to mesh with said pinion and to be actuated by the same for driving the driven shaft at different speeds, said gears having at their opposed faces overlapping portions bridging the gears and permitting shifting of the pinion from one gear to another without injuring the teeth of the pinion or the gears, means for coupling the gears with each other and with the driven shaft for enabling each gear when in mesh with the pinion to rotate the driven shaft at a speed in proportion to the ratio between the pinion and the gear in mesh with the same and for causing the other gears to rotate at the same speed as the gear in mesh with the pinion and maintaining the gears in permanent circumferential relation with one another whereby the bridging overlapping portions of the gears will be always maintained in proper position for the shifting of the pinion, and means for shifting the pinion from one gear to another.

2,246,445
STABILIZATION OF AUSTENITIC CHROMIUM NICKEL STEELS
George C. Kiefer, Springdale, Pa., assignor to Allegheny Ludlum Steel Corporation, a corporation of Pennsylvania
No Drawing. Application July 22, 1933, Serial No. 681,763
6 Claims. (Cl. 148—21.5)

1. A process of permanently stabilizing austenitic chromium nickel steels and articles of manufacture fabricated therefrom which comprises subjecting the same to a final heat treatment at a temperature between about 1400° F. and 1600° F. and converting the carbide precipitation deposited at the grain boundaries by the fabricating operations into a form in which it is not subject to intercrystalline corrosion.

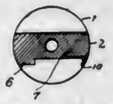
2,246,446
INTERNAL COMBUSTION ENGINE
Karl Erik Kylén, Goteborg, Sweden
Application February 24, 1940, Serial No. 320,533
In Sweden March 1, 1939
3 Claims. (Cl. 123—73)

3. In a device of the character specified, the combination with a cylinder, of circular crank arms, below it, an inlet conduit and an exhaust conduit, the crank arms being provided with grooves extending along a portion of their periphery and so arranged and disposed that they periodically put the inlet conduit to the crank case in communication with the lower part of the cylinder and then put this part of the cylinder in



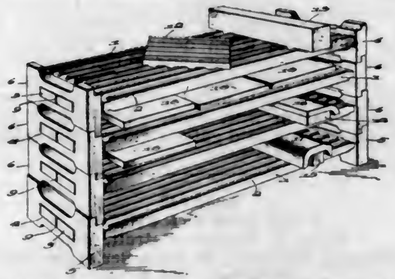
communication with the exhaust conduit from the crank case.

2,246,447
ROCK MINING DRILL BIT
William George MacLean, Arnprior, Ontario, Canada
Application July 5, 1940, Serial No. 344,154
2 Claims. (Cl. 255—64)



1. In a rock drill or the like consisting of a drill bar and a detachable head therefor, a groove in the end of said bar, a tongue in said head adapted to fit in said groove, a lateral undercut in said groove, a rib on one side of said tongue to fit in said undercut, a lug on the other side of the said tongue, a depression in the groove to allow for said lug, locking means to hold said head fixed in said groove consisting of a strip anchored in said tongue having an extension bendable over said bar in a cavity therein.

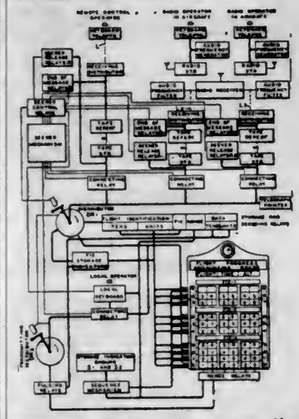
2,246,448
SETTER
Frank H. Mahan, Jr., Philadelphia, Pa.
Application February 18, 1937, Serial No. 126,493
8 Claims. (Cl. 25—153)



7. A structure of the character described including sectional ends having interlocking contiguous edges, setters removably mortised to said sections, the setters having depressions in at least one of their surfaces, and auxiliary supports

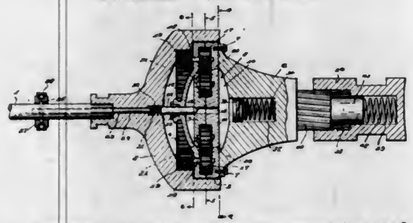
fashioned on one side at least to interfit with said depressions, whereby they are removably rested upon the setters.

2,246,449
COMMUNICATION AND POSTING SYSTEM
Joseph C. Marshall, Baldwin, and Merton L. Haselton, Rye, N. Y., assignors to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application April 17, 1940, Serial No. 330,058
30 Claims. (Cl. 177—353)



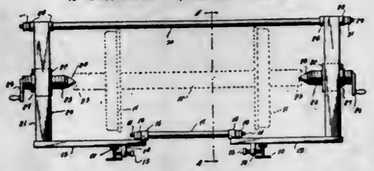
20. In a system of the character disclosed, a flight announcing board comprising a plurality of groups of devices for posting information relative to the control of airway traffic, each of said groups of devices being disposed in serial order in accordance with one of the characteristics posted by said devices, means including a keyset having a plurality of groups of keys corresponding respectively to each of said groups of devices for transferring the settings of one of said groups of devices to another of said groups of devices, comparing means controlled by the settings of said groups of keys for determining whether the settings of the selected groups of devices are to be transferred to another group of devices of higher or lower serial order, and means controlled jointly by said groups of keys and said comparing means for selecting the group of devices from which the settings are to be transferred.

2,246,450
HYDRAULIC TRANSMISSION
Charles L. McGavern, Olean, N. Y.
Application June 6, 1940, Serial No. 339,182
4 Claims. (Cl. 74—295)



1. A hydraulic transmission comprising a driving member, a driven member rotatable relative to said driving member, the driven member having a fluid chamber therein, a case mounted on the driven member and rotatable in the driving member, said case having a fluid chamber therein and further having a passage therein connecting the first and second named chambers, pumps mounted in the case for circulating the fluid, gears operatively connecting said pumps to the driving member for actuation thereby, and a valve slidably mounted in the driving member and engageable in the passage for regulating the circulation of the fluid and controlling the operation of the pumps.

2,246,451
LOCOMOTIVE AND CAR WHEEL CENTERING DEVICE
Roger G. McGowan, Youngstown, Ohio
Application March 20, 1940, Serial No. 325,088
2 Claims. (Cl. 51—236)



2. A wheel centering device comprising plates adapted to rest on rails, frames integral with and rising from the plates, means detachably secured to the upper ends of the frames connecting them together, said plates extending inwardly toward each other and beyond the frames, connecting means detachably secured to the inner end portions of said plates, means carried by the plates to secure them rigidly to the rails, bearings on and integral with the frames between the plates and first mentioned means, and centering pins screw threaded in said bearings and engageable with opposite ends of an axle.

2,246,452
PLASTIC DRYING OIL COATING
Orville V. McGrew, Chicago, Ill.
No Drawing. Application June 3, 1939, Serial No. 277,321
7 Claims. (Cl. 134—39)

1. An adherent weather-proof, waterproof, drying oil base coating capable of drying rapidly throughout in layers as thick as approximately $\frac{1}{16}$ inch without cracking, comprising: 18% to 25% drying oil, 2% to 8% of an inert fibrous binder, 10% to 22% of an inert plate-like material capable of being leafed, 10% to 25% of thinner, a drier, and the balance being substantially all filler in proportion to render the composition buttery.

2,246,453
PIN
Paul K. Morris, Uniontown, Pa.
Application April 20, 1939, Serial No. 268,990
1 Claim. (Cl. 24—161)



A pin, comprising a frame formed of a single piece of wire with parallel sides terminating at one end with a downwardly looped portion forming a seat, the opposite end of one side having an inwardly extending semicircular portion

turned laterally for a short distance and continued at right angles to the laterally turned short portion to form a prong member adapted to co-operate with the seat, and the opposite side having an inwardly extending semicircular portion formed with an eye around the laterally turned short portion of the other side forming a bearing for the prong.

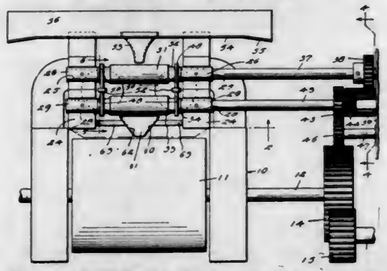
2,246,454

ATTACHMENT FOR CARDING MACHINES

Isaac P. Peloquin, Lowell, Mass., assignor to Boott Mills, Lowell, Mass.

Application November 27, 1939, Serial No. 306,385

3 Claims. (Cl. 19—150)



1. In combination in a carding machine, superposed calendar rolls, a frame for revolubly supporting said rolls, driving means for said rolls, and means secured to said frame at the intake end of the machine and disposed in spaced alignment with respect to said rolls for eliminating processing of a sliver through a drawing frame, said means including front and rear idler rolls, a feed roll disposed below the front idler roll, a drawing roll disposed below the rear idler roll, means for driving said drawing roll from a calendar roll, means for driving the feed roll from said drawing roll, a supporting structure common to said idler, feeding and drawing rolls and in which such rolls are slidably mounted, a trumpet secured to said structure intermediate the ends of the latter and having its axis disposed in a plane extending between the idler rolls and said feeding and drawing rolls, a condenser arranged within, extending rearwardly from and connected to said structure in proximity to the top of the latter, and weighting means common to the ends of said idler rolls and depending through said structure.

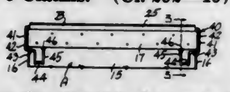
2,246,455

LID CLAMP FOR CASES

Roy F. Ploeger and Alfred E. Miller, Rhineland, Mo.

Application April 10, 1940, Serial No. 328,968

5 Claims. (Cl. 292—19)



1. A clamp for the lid of a case having a slat along an end thereof, said clamp comprising a wire including an intermediate section of a length greater than the length of the slat, and hook-like end sections, all the sections of said wire being normally disposed in coplanar relation so as to lie substantially flat on the lid, and means pivotally securing the intermediate section of the wire to the lid so that, upon disposition of the lid on the case, the hook-like end sections are swingable past the ends of the slat, said wire being sufficiently resilient to permit flexing the hook-like end sections into and out of engaging relation to the under side of the slat.

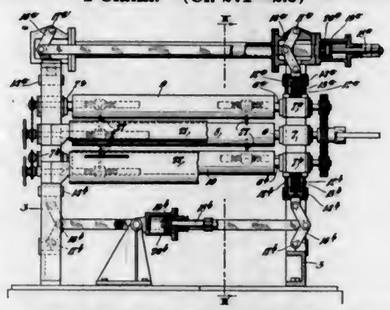
2,246,456

STRIP FEEDING DEVICE

Winfred M. Quigley, West View, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey

Application April 28, 1939, Serial No. 270,705

1 Claim. (Cl. 271—2.3)



An apparatus for feeding a plurality of metallic strips into position for shearing and attaching of the rear end of the outgoing material to the front end of the incoming material, which comprises superimposed rotatable feed rolls, the center roll being freely rotatable in a fixed position, means for selectively moving either roll on either side of the fixed center roll for feeding material therebetween, and means for guiding and converging the pass line of said material to a common point of conversion, said guiding and converging means for the pass lines including top and bottom guide plates and an intermediately positioned guide member cooperating with the top and bottom plates to direct the material to the common point of conversion.

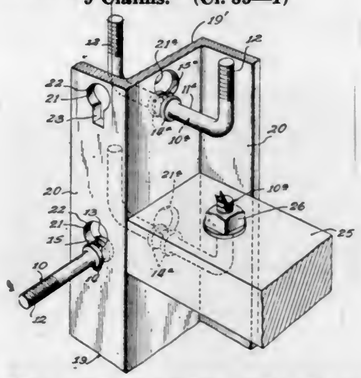
2,246,457

BOLT AND MOUNTING THEREFOR

Frederick W. Schultz, Wichita, Kans.

Original application May 7, 1938, Serial No. 206,563. Divided and this application April 7, 1939, Serial No. 266,475

9 Claims. (Cl. 85—1)



1. The combination with a plate-like portion of a structural member having a keyhole-shaped slot therethrough, of a one piece attaching member mounted in the slot for attaching other members to the structural member, the attaching member comprising a threaded portion extending at a normal to the plane of the plate-like portion, a head of but slightly less diameter than the head of the slot and insertable therethrough, the head being disposed against one side of the plate-like portion in contact therewith adjoining the margins of the leg of the slot, a collar disposed against the other side of the plate-like portion in contact therewith adjoining the margins of the leg of the slot, and a reduced neck extending between the head and collar and of squared section, opposed flats of which engage the lateral edges of the leg of the slot to prevent turning, the head, collar, neck and threaded portion all being integral parts of the attaching member, the collar being too large to pass through the head of the slot.

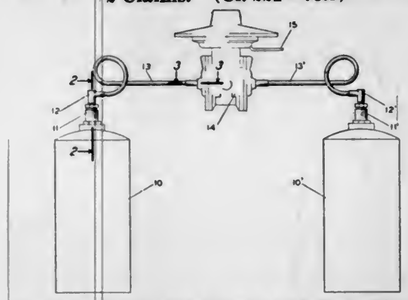
2,246,458

SAFETY DEVICE FOR GAS DISPENSING SYSTEMS

Charles MacSporran, Detroit, Mich., assignor to Phillips Petroleum Company, a corporation of Delaware

Application August 11, 1938, Serial No. 224,371

2 Claims. (Cl. 221—73.5)



1. In a system for storing and dispensing high pressure hydrocarbon gas, the combination comprising a pair of containers for the gas, a common pressure reduction means, a pair of high pressure gas lines connected to the pressure reduction means, detachable means for placing each high pressure line in communication with its corresponding container, and check valve means in each high pressure line and located intermediate the pressure reduction means and the detachable means, said check valve means operating to permit the flow of gas from the containers to the common pressure reduction means but to prevent gas which is admitted into the common pressure reduction means from being transmitted therefrom into either of the containers.

2,246,459

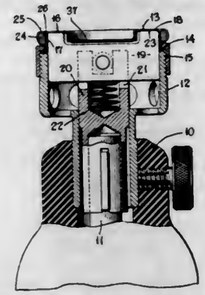
SHAVING MACHINE

Gustave F. Bahr, Fairfield, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut

Application April 20, 1938, Serial No. 203,029

6 Claims. (Cl. 30—43)

1. A shaving machine for personal use comprising a hollow circular head having closely spaced narrow radial hair-receiving slots in the annular marginal and peripheral wall portions thereof; a support for said head having a threaded portion and a flat end surface for engaging the inner end of the head; a flange on the head; a clamping ring threaded on said support and having a flange to engage the flange on the head and secure the head to the support; a rotary cutter mounted within said support and head and having shearing edges cooperating with the interior edges of the walls of said slots in the annular marginal and peripheral wall portions of the head to shear off hairs extending therethrough; and a guard ring slidably mounted on



the peripheral wall of the head and having an inner portion engaging said clamping ring to position the same on said peripheral wall, said guard ring having an outer portion located closely adjacent the junction of the face and the slotted peripheral wall of the head to prevent loose skin from extending into the portions of the slots in the peripheral wall of the head.

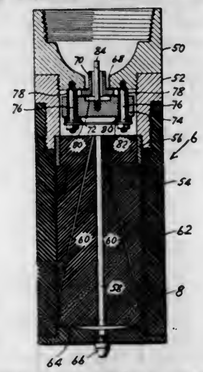
2,246,460

ELECTRICAL PROSPECTING APPARATUS

Charles B. Bazzoni, Wallingford, and John M. Pearson, Swarthmore, Pa., assignors to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware

Application August 2, 1938, Serial No. 222,608

9 Claims. (Cl. 175—182)



2. In combination with a metallic protective casing adapted to be lowered into a bore hole and having an opening therein, means for closing said opening against high pressures and for permitting the passage of electrical current comprising concentrically arranged conducting members insulated from each other and from the casing.

2,246,461

OPERATING MECHANISM FOR GLASS FEEDER PLUNGERS

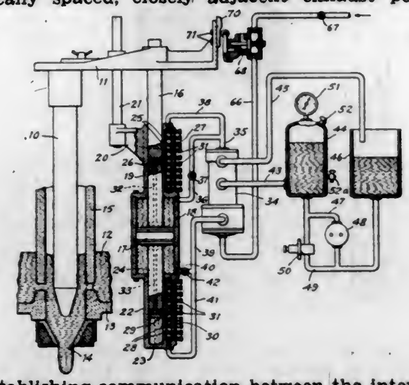
Madison M. Cannon, Jr., West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application August 25, 1938, Serial No. 226,618

8 Claims. (Cl. 49—55)

5. In a glass feeder, the combination with a

reciprocable glass feed regulating plunger, of a cylinder, a piston reciprocable in the cylinder, a rod extending from the piston beyond one end of the cylinder, a carrier on said rod connected to the plunger to support it and move it in unison with the piston, a second rod extending from the piston beyond the opposite end of the cylinder, hollow extensions at opposite ends of the cylinder surrounding said rods and in close sliding contact therewith, means for supplying pressure fluid to opposite ends of the cylinder alternately to reciprocate the piston, exhaust manifolds associated with said end extensions of the cylinder, said end extensions having vertically spaced, closely adjacent exhaust ports



establishing communication between the interior of said end extensions and said manifolds, said rods having passages communicating at their inner ends with the interior of the cylinder at opposite sides of the piston and at their outer ends with the individual ports of the opposite end extensions of the cylinder in turn as the piston is reciprocated in the cylinder, individual valve means for the respective ports, means for conducting pressure fluid from each of said manifolds when pressure fluid is being supplied to the opposite end of the cylinder, and adjustable means for limiting the time pressure fluid is being supplied to one end of the cylinder and exhausted from the manifold at the opposite end of the cylinder.

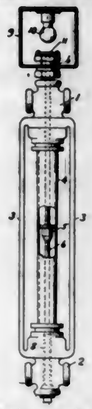
2,246,462
BEARING ALLOY
Ernest R. Darby, Detroit, Mich., assignor to Federal-Mogul Corporation, Detroit, Mich., a corporation of Michigan
No Drawing. Application December 15, 1939, Serial No. 309,473
3 Claims. (Cl. 75—22)

1. A copper-base bearing lining composition comprising copper and particles consisting substantially of lead combined with a minor amount of indium, said granules being at least substantially coated with said copper.

2,246,463
TREATMENT OF MOLD SURFACES
Louis D. Garratt, New Castle, Pa., assignor to Industrial Colloids Company, Emlenton, Pa., a partnership consisting of H. J. Crawford, George A. Breene, E. A. Willson, and Louis D. Garratt
No Drawing. Application September 26, 1940, Serial No. 358,467
3 Claims. (Cl. 22—189)

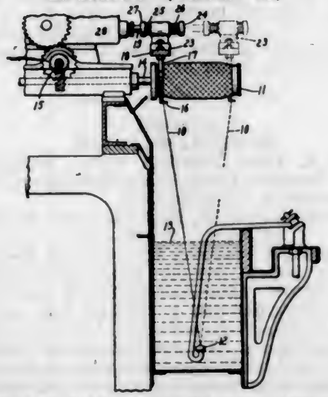
1. A process of treatment of molds and the like which consists in heating the molds to a temperature higher than the boiling point of water but no higher than 450° F., applying to the surfaces of the mold cavities while in such heated condition a solution of colloidal graphite and water to deposit of film of colloidal graphite on said surfaces, then heating the molds to a temperature of at least 500° F. but below the temperature which would injure the mold to cause a substantial portion of the graphite to adhere firmly to the surfaces of the mold cavities.

2,246,464
LUMINOUS SCALE ROTAMETER
Walter H. Gerber, Philadelphia, Pa., assignor to Schutte & Koerting Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 18, 1940, Serial No. 324,553
3 Claims. (Cl. 73—209)



1. Means for fitting rotameters having a float or rotor and a transparent metering tube for use in the dark comprising, a cylindrical pole rod of transparent material arranged in the metering tube and in respect to which the rotor is movable, a notched scale on the cylindrical surface of the rod, and a source of light arranged to edge-light the pole rod and illuminate the scale.

2,246,465
THREAD TRAVERSE MECHANISM
Emerson B. Helm, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application March 18, 1938, Serial No. 196,681
12 Claims. (Cl. 242—43)



1. Thread traverse mechanism comprising a

guide eye; actuating means for moving said guide eye in opposite directions in a predetermined normal path; and, disposed between said guide eye and said actuating means, a resilient coupling permitting an impositive movement of said guide eye beyond the limits of its predetermined normal path, said impositive movement resulting from the inertia of said guide eye.

2,246,466
PROCESS OF PREPARING VEGETABLE PROTEIN
Percy L. Julian, Oak Park, and Bernard T. Malter, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application December 24, 1937, Serial No. 181,606
5 Claims. (Cl. 260—112)

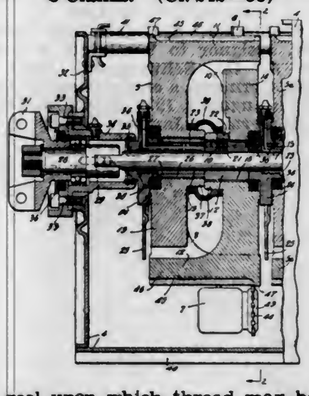
5. The process of preparing a derived soybean protein which comprises digesting an aqueous caustic alkali and lime solution of extracted soybean protein with sodium peroxide in an amount and for a time sufficient to reduce the viscosity of the protein.

2,246,467
LUBRICANT
Gus Kaufman and Robert S. Barnett, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application March 14, 1939, Serial No. 261,772
18 Claims. (Cl. 252—39)

1. A substantially completely dehydrated lime soap lubricant free from glycerine comprising mineral lubricating oil, about 10–30% of calcium fatty acid soap and about 0.5–3.0% of added substantially neutral lanolin as a stabilizer.

15. A dehydrated lime soap grease free from glycerine which is stable against oil separation and which does not break down when heated to temperatures at or above its melting point, comprising a naphthene-base mineral lubricating oil, lime soap of higher saturated fatty acids, and from 0.1 to 0.7% of glyceryl monostearate as a stabilizing agent.

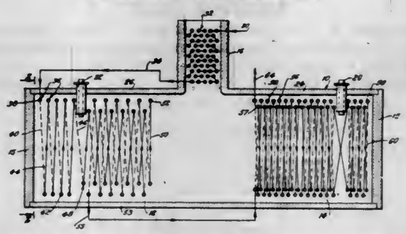
2,246,468
REEL FOR HANDLING THREAD OR THE LIKE
Walter F. Knebusch, Rocky River, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Original application August 27, 1937, Serial No. 161,231. Divided and this application September 12, 1939, Serial No. 294,456
3 Claims. (Cl. 242—53)



1. A reel upon which thread may be contin-

uously but temporarily stored in spaced, substantially helical turns which are advanced axially of the reel comprising two rotatable reel members of substantially circular cross section each of which is made up of a plurality of bars extending longitudinally from and rigidly fixed to a supporting member, the bars of each reel member being disposed alternately to the bars of the other reel member, and, associated with said reel, means extending radially from one of said supporting members for preventing the axial advance of the thread beyond said radially extending means, the axial advance of the thread over the thread-bearing periphery of the reel being continued until the thread comes into contact with said radially extending means.

2,246,469
HEATING OF FLUIDS
Walter E. Lobo, Westfield, N. J., assignor to Gasoline Products Company, Inc., Jersey City, N. J., a corporation of Delaware
Application December 29, 1938, Serial No. 248,189
5 Claims. (Cl. 196—116)

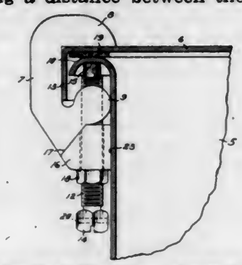


1. An apparatus adapted for heating hydrocarbon fluids which includes a plurality of separately fired horizontal radiant heating sections substantially rectangular in cross section, a common overhead convection heating section receiving hot products of combustion from said radiant heating sections, heater tubes in said convection heating section for preheating hydrocarbon fluid, means whereby hot products of combustion are introduced into said radiant heating sections from the top thereof, and a continuous helical conduit shaped so as to be received entirely within each radiant heating section and adapted to receive direct radiant heat from the hot products of combustion, said heater tubes and one of said continuous helical conduits being in communication whereby preheated hydrocarbon fluid from said heater tubes is further heated by being passed through said conduit, means whereby a separate stream of hydrocarbon fluid is passed through said other conduit, said conduits having coil sections or turns adjacent the roofs, floors and vertical walls, respectively, of said radiant heating sections whereby the streams of hydrocarbon fluid are substantially uniformly heated in passing through said conduits, one of said conduits comprising parallel coils to provide parallel flow of the hydrocarbon fluid passing therethrough.

2,246,470
RECEPTACLE CLOSURE
Donald G. McArn, Pittsburgh, and John W. McDonald, West View, Pa., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 26, 1937, Serial No. 144,770
7 Claims. (Cl. 220—55)

1. In combination, a receptacle provided with an outwardly extending edge, a cover member

for said receptacle provided with a flange depending over said receptacle edge, a clamping member having a modified C-shaped body section having a distance between the tips thereof



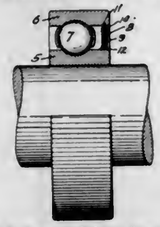
substantially less than the depending length of said cover member flange, a member threaded in one of said tips of said body section and arranged in contact with said edge of said receptacle.

2,246,471

BEARING SEAL

Raymond R. Searles, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut

Application December 7, 1938, Serial No. 244,341
2 Claims. (Cl. 286—5)



1. Seal means comprising inner and outer concentric members, the inner surface of the outer member being provided with an annular groove, an annular disk of oil resistant rubber, and annular stiffening plates secured to opposite sides of said annular disk and extending nearly to the inner surface of the outer concentric member and terminating short of the outer and inner peripheries of the annular disk, to provide an outer, narrow annular peripheral portion of limited resiliency for snapping into the retaining groove in the outer concentric member, and to provide an inner annular resilient portion bearing against the outer surface of the inner concentric member.

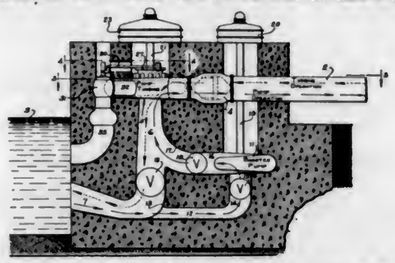
2,246,472

HYDRAULIC POWER-ACCUMULATION SYSTEM

Robert E. Brunswick Sharp, Philadelphia, Pa., assignor, by mesne assignments, to The Baldwin Locomotive Works, a corporation of Pennsylvania

Application January 28, 1939, Serial No. 253,374
7 Claims. (Cl. 290—52)

7. A hydraulic power-accumulation system comprising, in combination, means providing sources of head water and tail water connected together by a conduit, a pump-turbine communicating with said conduit at an elevation above the tail water level, and a booster pump disposed at an elevation below the tail water level and having series communication with the pump-turbine so as to reduce the head thereon during a pumping operation below the net head between said head water and tail water but to allow said



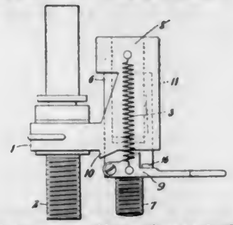
net head to be fully effective on the pump-turbine during a turbine operation.

2,246,473

PAWL FOR SPINDLE SWING ARMS

Wilhelm Stahlecker, Stuttgart-Bad Cannstatt, Germany, assignor to Vereinigte Kugellagerfabriken A. G., Schweinfurt, Werk Bad-Cannstatt, Germany, a corporation of Germany

Application May 27, 1939, Serial No. 276,087
In Germany March 4, 1939
2 Claims. (Cl. 57—88)



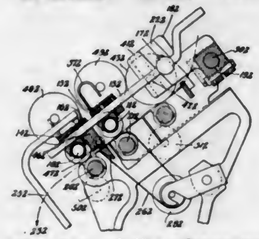
1. Means for supporting the spindles of textile machines, embodying a part adapted to be fastened to a machine, a bracket, a bearing pin securing the bracket to the said part, so that it may swing, an arm fastened to the bracket with a spring for equalization of the moment brought about by the weight of the spindle and arm acting upon the bearing pin of the swinging bracket, a pawl and detent for holding the bracket in a released position, and the equalization spring acting upon such pawl.

2,246,474

GUIDING ARRANGEMENT FOR TOP WEIGHTING ROLLS

Wilhelm Stahlecker, Stuttgart-Bad Cannstatt, Germany, assignor to Vereinigte Kugellagerfabriken A. G., Schweinfurt, Werk Bad-Cannstatt, Germany, a corporation of Germany

Application August 4, 1939, Serial No. 288,272
In Germany January 4, 1939
12 Claims. (Cl. 19—135)



1. In mechanism of the character indicated,

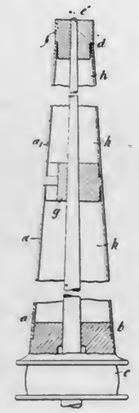
the combination of driven bottom rolls, a pair of top weighting rolls, a common shaft for the pair, the rolls being separated on the shaft, a guide lever connected with the shaft between the rolls, a fixed bearing block for the guide lever having a substantially vertical slot transverse to the guide lever, a joining device carried by the guide lever and disposed in said slot.

2,246,475

UPPER PART FOR SPINDLES

Wilhelm Stahlecker, Stuttgart-Bad Cannstatt, Germany, assignor to Vereinigte Kugellagerfabriken A. G., Schweinfurt, Werk Bad-Cannstatt, Germany, a corporation of Germany

Application December 21, 1939, Serial No. 310,308
In Germany January 4, 1939
2 Claims. (Cl. 57—130)



1. A spinning or twisting spindle comprising a central support, a whirl connected to one end of the support, having an extension, a button connected to the other end of the support and a central body connected to the support, a tubular body connected to said whirl extension, the button and the said central body, said tube, consisting of two parts having their dividing line located at said central body.

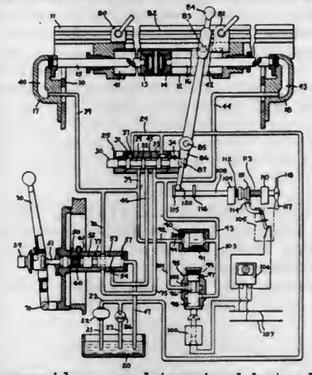
2,246,476

HYDRAULIC TABLE RECIPROCATING MECHANISM

Wallace H. Wood and Carl G. Flygare, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application November 9, 1940, Serial No. 365,130
9 Claims. (Cl. 121—45)

1. In a grinding machine having a longitudinally reciprocable table, means including a piston and cylinder to reciprocate said table, a reversing valve, pipes connecting said valve with opposite ends of the cylinder, means including pipes to convey fluid under pressure to and exhaust of fluid from said valve, a table actuated reversing lever to shift said reversing valve, a normally-closed solenoid-actuated by-pass valve shunted between said first mentioned pipes, an electric time delay relay, and a switch actuated by said reversing lever to start said time relay and to energize the solenoid to open said by-pass



valve to provide a predetermined but adjustable dwell at the ends of the table stroke.

2,246,477

MACHINE FOR FORMING AND FOLDING POCKETBOOK ROLLS, WEINER ROLLS, AND THE LIKE

William H. Attaway, Spartanburg, S. C., and Walter A. Becker, Charlotte, N. C.

Application January 17, 1940, Serial No. 314,322
2 Claims. (Cl. 107—9)



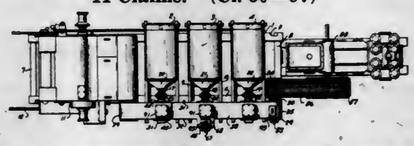
1. In a machine for making bread rolls of the type described, the combination of an elongated table, rollers mounted at each end of the said table, a pair of parallel endless belts mounted on said rollers, motor operated means for simultaneously driving said belts, a dough forming apparatus for delivering formed dough at one end of the aforesaid belts in a position to lie across both belts, a series of spaced rollers supported at varying angles for gradually tilting one of the belts from a horizontal position to an angle of 135° (whereby to fold the formed dough over upon itself) and thereafter turn back to its former horizontal position.

2,246,478

POWER UNIT

William Guier, Tulsa, Okla., assignor to Unit Rig & Equipment Company, Tulsa, Okla., a partnership composed of Jerry Underwood, Hugh Chancey, William Guier, and Ray E. Carter

Application May 15, 1940, Serial No. 335,395
11 Claims. (Cl. 60—97)



1. An apparatus of the character described, including a plurality of engines having power shafts arranged in parallel, a driven shaft arranged in parallel relation with the power shafts,

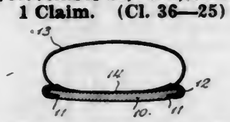
shaft extensions for the power shafts of the engines, driving connections between the power shaft extensions and one of the power shaft extensions and the driven shaft, said first named driving connection including a clutch for selectively coupling the engines, a lubricant-tight casing enclosing said driving connections, bearings in the casing, journalling the shaft extensions, couplings for detachably connecting the shaft extensions with the power shafts, and means on one of the shafts for moving a lubricant in the casing.

2,246,479
PNEUMATIC TIRE STRUCTURE
Harry P. Schrank, Munroe Falls, Ohio, assignor to Seiberling Rubber Company, Barberton, Ohio, a corporation of Ohio
Application July 19, 1940, Serial No. 346,393
12 Claims. (Cl. 152—209)



1. A pneumatic tire having a tread including one or more ribs or projections, said ribs or projections having circumferentially spaced transverse slits extending radially inwardly at an angle to the ground-engaging surface of the tire, said slits being substantially J-shaped with hook-like portions turned radially outwardly and terminating in inwardly spaced relation to said ground-engaging surface, the rubber embraced by the hook-like portions of the J-slits being present in the tread during the initial wear of the tire to carry and distribute the load to the carcass of the tire, but being adapted automatically to be displaced from the tread when the tire wears down to said hook-like portions.

2,246,480
SHOE SOLE
William Weidner, Astoria, Long Island, N. Y.
Application November 20, 1940, Serial No. 366,318
1 Claim. (Cl. 36—25)

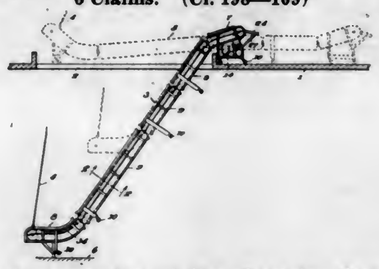


A shoe having an outer sole made of relatively stiff leather-like material, the wearing surface of said outer sole being grooved along its edges at the bottom surface, a stripping made of resilient rubber-like material engaging said groove and bent about the edges of said outer sole and bent over the top marginal portion thereof, said edge stripping being substantially flush with the wearing surface of said outer sole so as to form part thereof.

2,246,481
HYDROGENATION OF LIGNIN SULPHONIC ACID
Homer Adkins, Madison, and Guy C. Howard, Wausau, Wis., assignors to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
No Drawing. Application October 7, 1939, Serial No. 298,466
23 Claims. (Cl. 260—124)

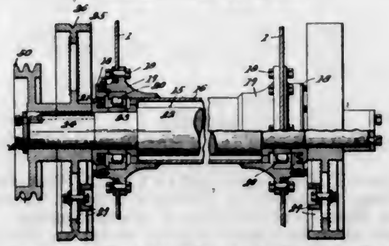
1. The process of producing hydrogenated lignin derivatives which comprises the steps of partially desulphurizing sulphur containing lignin derivatives and then hydrogenating same.

2,246,482
LOADING AND UNLOADING APPARATUS
William Bisset, Port Hope, Ontario, Canada, assignor to Mathews Conveyer Company, Limited, Port Hope, Ontario, Canada, a corporation of Canada
Application February 12, 1940, Serial No. 318,548
6 Claims. (Cl. 198—109)



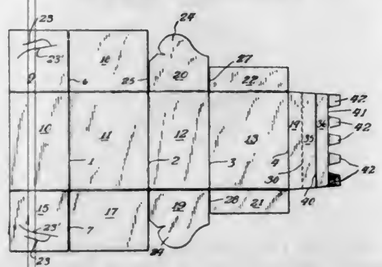
1. An apparatus of the character described comprising a head section, a tail end section, and a plurality of intermediate sections, said sections being relatively short and pivotally connected together to form a flexible articulated conveyer adapted to be readily lowered section by section through a hatch opening in the deck of a vessel to a lower deck thereof, said head section and said tail end section when in position being disposed substantially horizontally on the respective decks with said intermediate sections extending at an inclined angle therebetween to form a continuous framework between said decks, and an endless conveyer movable along said framework in a continuous path to transport articles between said decks.

2,246,483
VIBRATING APPARATUS
Thomas Aloysius Dillon, Toronto, Ontario, Canada, assignor to Dillon Patents Limited, Toronto, Ontario, Canada, a corporation of Canada
Application March 12, 1940, Serial No. 323,626
10 Claims. (Cl. 209—326)



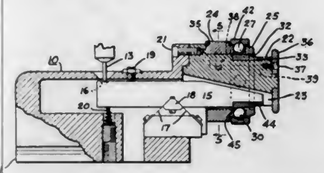
7. In a vibrating apparatus, a vibrating frame, a resilient support for said frame, said support being yieldable in all directions in a vertical plane extending longitudinally of said frame, bearings carried by said frame, a rotatable transverse shaft journalled in said bearings and carried solely by the frame, said shaft being provided with eccentrics journalled in said bearings and outer portions extending from said bearings substantially concentric to the portion between said eccentrics and a driven pulley mounted on one of said outer portions, said shaft and pulley being so proportioned that when the shaft is rotated at normal operative speed, the axis of rotation will coincide with the geometrical axis of said pulley.

2,246,484
CARTON
Robert T. Frieders, Menasha, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application March 11, 1940, Serial No. 323,464
2 Claims. (Cl. 229—51)



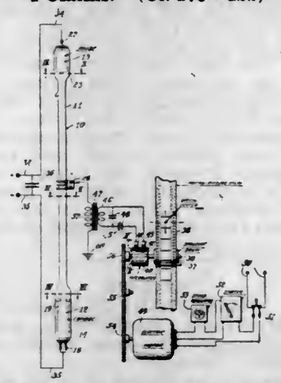
1. A carton formed from a single blank, said carton having a cover provided with a composite sealing flap extending therefrom and hinged thereto along a score line, said composite sealing flap overlapping an adjacent wall portion; said composite sealing flap comprising parallel spaced score lines defining in succession an extension panel, an outer grasping panel, an inner grasping panel and spaced tongue portions extending from the free edge of said inner grasping panel and integral therewith, said inner and outer grasping panels being inwardly folded in face contact; and the exposed faces only of said tongue portions being glued to the corresponding overlapped portions of the adjacent wall.

2,246,485
GAUGING APPARATUS
Willis Fay Aller, Dayton, Ohio, assignor to The Sheffield Corporation, a corporation of Ohio
Application May 14, 1940, Serial No. 335,114
6 Claims. (Cl. 33—178)



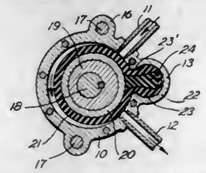
1. A gauge of the character described for gauging the diameter of an antifriction bearing race comprising a support, a gauging member operably mounted thereon for movement in accordance with the race diameter of a workpiece being gauged, a roller retainer adjustably mounted on the support and movable from a loading position to a gauging position, said retainer having roller receiving sockets, rollers in said sockets adapted for engagement with the workpiece being gauged, one of the rollers engaging and operating the gauging member, said support having means for moving the rollers into contact with the race as the retainer is moved from a loading position to a gauging position.

2,246,486
HIGH INTENSITY STROBOSCOPIC LAMP
Philip W. Blackburn, East Orange, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 21, 1937, Serial No. 121,383
4 Claims. (Cl. 176—122)



2. A discharge lamp normally energizable by about one thousand volts direct current, comprising a hollow elongated vitreous envelope containing an inert monatomic gas free from mercury, and consisting of a pair of end chambers connected by an intermediate portion about three feet long and seven-eighths of an inch in diameter, an electrode in each end chamber, one of said electrodes being hollow cylindrical, about seven inches long, two inches in diameter, closed at one end, partially closed at the other end by an inwardly extending annular flange, adapted to act as a cathode, and reenforced by members angular in section, one leg of each member being connected to the inner surface of said cylinder and the other leg extending radially inward, said inner surface and legs being coated with electron-emission material, and the other electrode being hollow cylindrical, about four inches long, two inches in diameter, adapted to act as an anode, and similarly reenforced, the pressure of the contained gas being about thirty-two millimeters, and a grid comprising a pair of plates secured together and each provided with fingers bent to at least partially surround said intermediate envelope portion and adapted to be energized to ionize the gas filling in said envelope and initiate a discharge between said cylindrical electrodes.

2,246,487
PLANETARY PUMP
Malcolm W. Fraser, Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Application August 15, 1939, Serial No. 290,274
3 Claims. (Cl. 103—131)

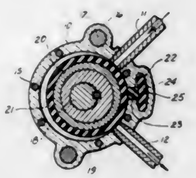


1. In a pump of the character described, a

casing having spaced inlet and outlet ports communicating with a pump chamber, an outwardly extending cavity disposed between said ports, having an enlarged terminal portion and a reduced neck portion at its junction with said pump chamber, an eccentric disc rotatable in the pump chamber for forcing fluid from the inlet to the outlet port, a metal annulus encircling said eccentric disc and having bearing thereon, a layer of resilient rubber bonded to said annulus and formed with an integral extension projecting into said outwardly extending cavity, said integral extension being formed with an enlarged head substantially filling the terminal portion of such cavity, and a core of harder rubber embedded in said integral extension and bonded to said metal annulus, said core being of the general shape of the integral extension in which it is embedded, with an intermediate portion of reduced thickness in the region of the aforesaid reduced neck portion of the cavity.

2,246,488
PLANETARY PUMP
Malcolm W. Fraser, Toledo, Ohio, assignor to Detroit Harvester Company, Detroit, Mich., a corporation of Michigan
Original application August 15, 1939, Serial No. 290,274. Divided and this application September 4, 1940, Serial No. 355,332
3 Claims. (Cl. 103—132)

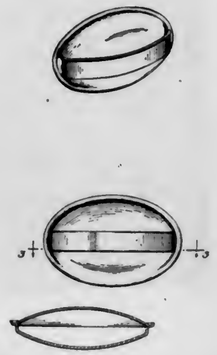
1. In a pump of the character described, a casing having spaced inlet and outlet ports, a rotatable eccentric disc within said casing, a bushing fitting said eccentric disc and being concentric thereof, a rubber layer bonded to the outer surface of said bushing, there being a substantially T-shaped cavity in said casing intermediate said inlet and outlet ports, an extension on said rubber layer bonded thereto, said extension being of rubber harder than the rubber in said layer, and a cross arm of relatively resilient rubber bonded intermediate its ends to said extension with the end portions thereof arranged to flex freely within said cavity in sealing contact with the opposed walls thereof.



DESIGNS

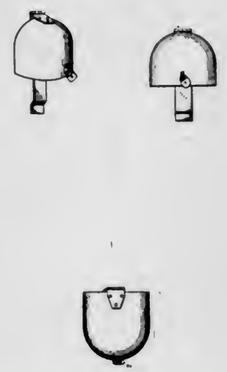
JUNE 17, 1941

127,782
DESIGN FOR A DRAWER PULL OR THE LIKE
Gedor W. Aldeen, Rockford, Ill., assignor to American Cabinet Hardware Corporation, Rockford, Ill., a corporation of Illinois
Application January 31, 1941, Serial No. 98,609
Term of patent 7 years



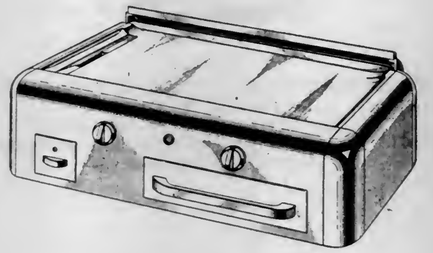
The ornamental design for a drawer pull or the like, substantially as shown.

127,783
DESIGN FOR A COMBINED HOOD AND SUPPORTING UNIT FOR GAS INSTALLATION HOUSINGS
Peter A. Anderson, Portland, Maine, assignor to Utilities Distributors, Inc., Portland, Maine, a corporation of Maine
Application February 15, 1941, Serial No. 99,026
Term of patent 14 years



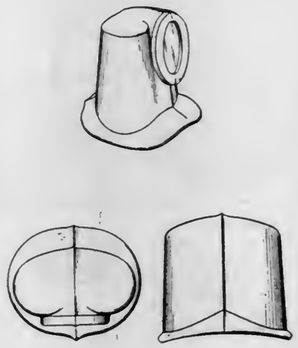
The ornamental design for a combined hood and supporting unit for gas installation housings, as shown.

127,784
DESIGN FOR A GAS GRIDDLE
Russell T. Boardman, Los Angeles, Calif., assignor to Wolf Range & Mfg. Co., Los Angeles, Calif., a partnership comprising Hyman Wolf and A. I. Wolf
Application April 21, 1941, Serial No. 100,536
Term of patent 7 years



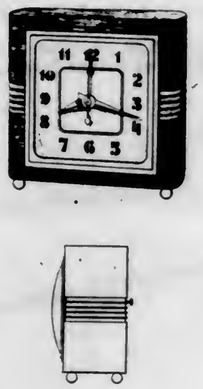
The ornamental design for a gas griddle, as shown and described.

127,785
DESIGN FOR A FLASHLIGHT OR SIMILAR ARTICLE
Lynn Brodton, Collingswood, N. J.
Application April 28, 1941, Serial No. 100,663
Term of patent 7 years



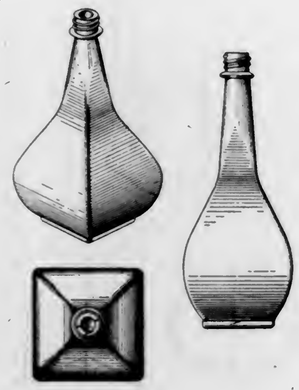
The ornamental design for a flashlight or similar article, as shown.

127,786
DESIGN FOR A CLOCK CASE
Leo Ivan Bruce, Framingham, Mass., assignor to Warren Telechron Company, a corporation of Maine
Application November 15, 1940, Serial No. 96,591
Term of patent 7 years



The ornamental design for a clock case, as shown.

127,787
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Philip I. Carthage, Brooklyn, N. Y.
Application April 10, 1941, Serial No. 100,298
Term of patent 14 years



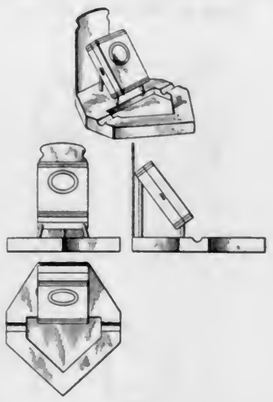
The ornamental design for a bottle or similar article, as shown.

127,788
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Edward J. Conroy, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application March 25, 1941, Serial No. 99,870
Term of patent 14 years



The ornamental design for a spoon or other article of flatware, substantially as shown and described.

127,789
DESIGN FOR A COMBINED ASH TRAY AND CIGARETTE CONTAINER
Howard W. Couch, Nevada, Mo.
Application August 15, 1940, Serial No. 94,430
Term of patent 3½ years



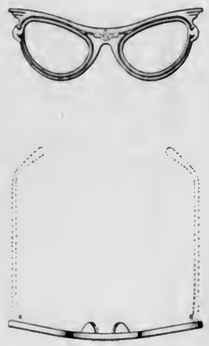
The ornamental design for a combined ash tray and cigarette container, as shown.

127,790
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application April 8, 1941, Serial No. 100,215
Term of patent 7 years



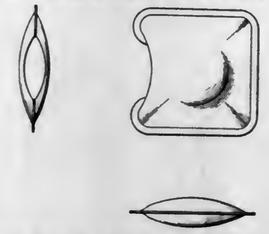
The ornamental design for a textile fabric, substantially as shown.

127,791
DESIGN FOR A SPECTACLE FRAME
Frederick H. Fisher, Miami Beach, Fla.
Application March 21, 1941, Serial No. 99,765
Term of patent 7 years



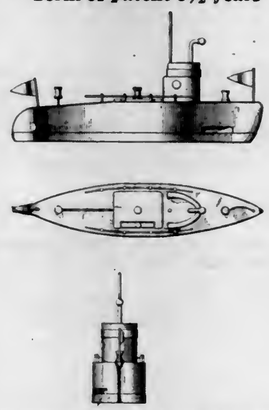
The ornamental design for a spectacle frame, substantially as shown and described.

127,792
DESIGN FOR A MUSICAL WIND INSTRUMENT
James Ross Gillie, New York, N. Y., assignor to Hal Horne, New York, N. Y.
Application September 11, 1940, Serial No. 94,942
Term of patent 3½ years



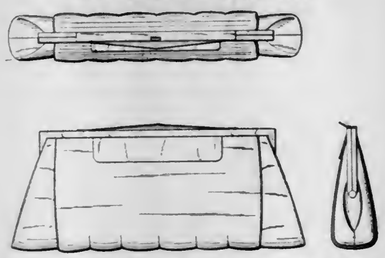
The ornamental design for a musical wind instrument, as shown.

127,793
DESIGN FOR A CIGARETTE DISPENSER OR SIMILAR ARTICLE
Arnold Morton Goldberg, Chicago, Ill.
Application February 8, 1941, Serial No. 98,842
Term of patent 3½ years



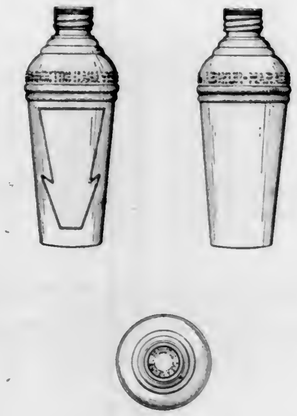
The ornamental design for a cigarette dispenser or similar article, substantially as shown.

127,794
DESIGN FOR A HANDBAG
Samuel R. Goldsmith, New York, N. Y.
Application May 14, 1941, Serial No. 100,929
Term of patent 3½ years



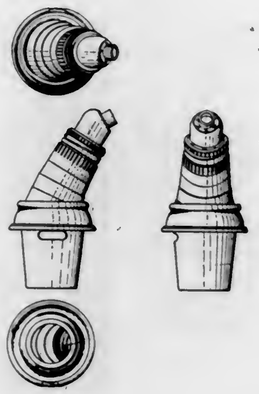
The ornamental design for a handbag, substantially as shown and described.

127,795
DESIGN FOR A BOTTLE
Gustavo Gómez, New York, N. Y.
Application February 11, 1941, Serial No. 98,932
Term of patent 3½ years



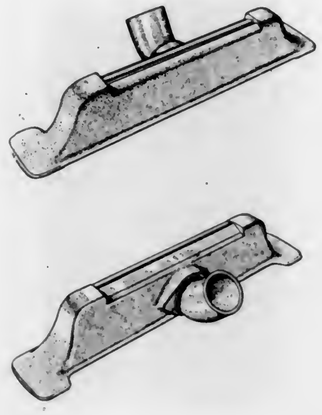
The ornamental design for a bottle, as shown.

127,796
DESIGN FOR A CONTAINER POURING DEVICE
Walter S. Grant, Warren, Ohio, assignor to The Ohio Corrugating Company, Warren, Ohio, a corporation of Ohio
Application November 15, 1940, Serial No. 96,606
Term of patent 3½ years



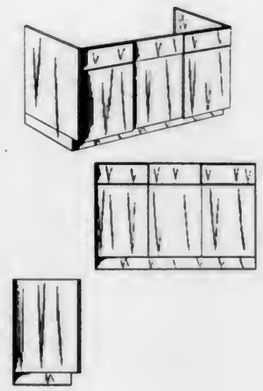
The ornamental design for a container pouring device, as shown.

127,797
DESIGN FOR A SUCTION NOZZLE
Lurelle Guild, Darien, Conn., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application April 23, 1941, Serial No. 100,581
Term of patent 14 years



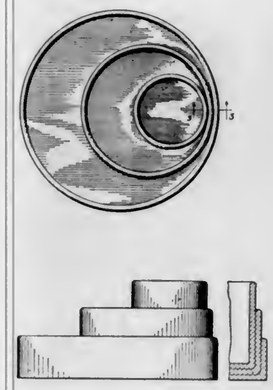
The ornamental design for a suction nozzle, as shown.

127,798
DESIGN FOR A SINK SUPPORT OR SIMILAR ARTICLE
Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application September 27, 1939, Serial No. 87,394
Term of patent 14 years



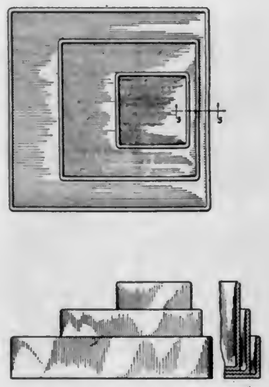
The ornamental design for a sink support or similar article, substantially as shown and described.

127,799
DESIGN FOR A COMBINED HOLDER FOR CANDLE AND FLOWERS
Kate W. Hayt, also known as Kate Barrie, Los Angeles, Calif.
Application February 10, 1941, Serial No. 98,867
Term of patent 14 years



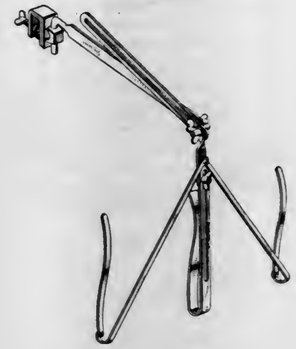
The ornamental design for a combined holder for candle and flowers, as shown.

127,800
DESIGN FOR A COMBINED HOLDER FOR CANDLE AND FLOWERS
Kate W. Hayt, also known as Kate Barrie, Los Angeles, Calif.
Application February 10, 1941, Serial No. 98,868
Term of patent 14 years



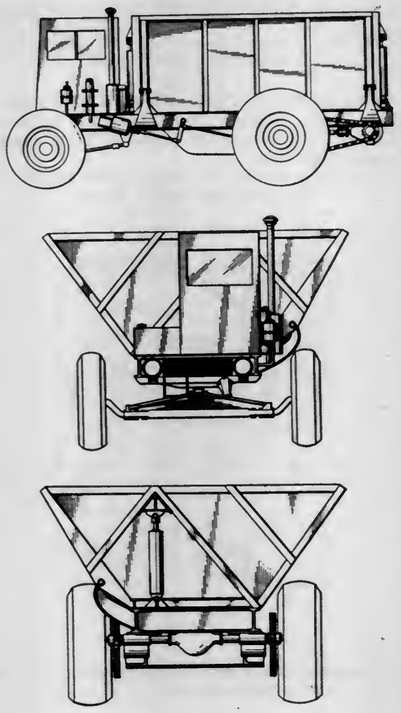
The ornamental design for a combined holder for candle and flowers, as shown.

127,801
DESIGN FOR A BOOK HOLDER OR ANALOGOUS ARTICLE
Ethel Dupont Heausler, New Orleans, La.
Application April 10, 1941, Serial No. 100,306
Term of patent 14 years

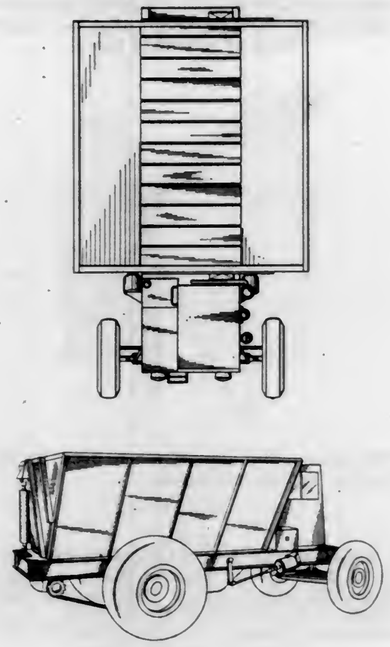


The ornamental design for a book holder or analogous article, as shown.

127,802
DESIGN FOR A SUGAR-CANE TRUCK
John G. Holmstrom, Seattle, Wash., assignor to Kenworth Motor Truck Corporation, Seattle, Wash., a corporation of Washington
Application January 17, 1940, Serial No. 89,525
Term of patent 14 years

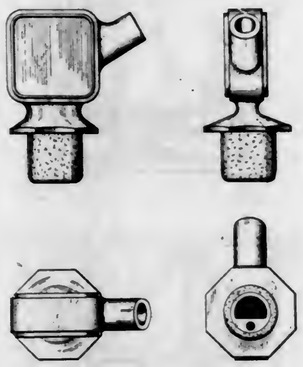


127,802—Continued



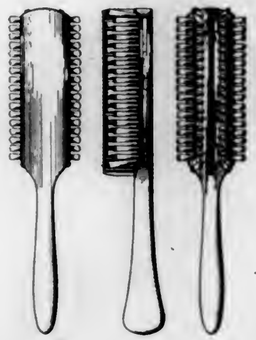
The ornamental design for a sugar-cane truck, as shown.

127,803
DESIGN FOR A POURER FOR BOTTLES
Morris Holtz, Newark, N. J., assignor to Browne Vintners Co. Inc., New York, N. Y., a corporation of Delaware
Application January 9, 1941, Serial No. 97,917
Term of patent 3½ years



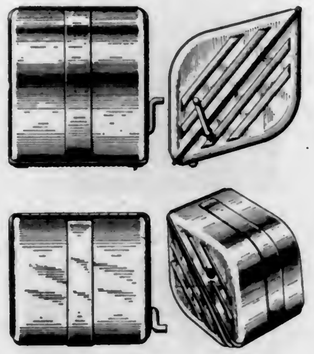
The ornamental design for a pourer for bottles, as shown and described.

127,804
DESIGN FOR A COMBINED COMB AND BRUSH OR SIMILAR ARTICLE
Julius Kahn, Jersey City, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 23, 1940, Serial No. 96,032
Term of patent 7 years



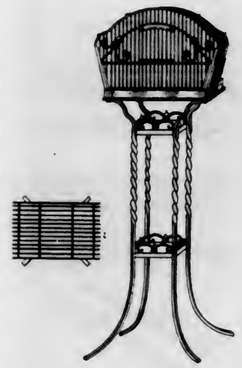
The ornamental design for a combined comb and brush or similar article, substantially as shown.

127,805
DESIGN FOR A TOWEL DISPENSING CABINET
Howard B. Lewis, Inglewood, Calif., assignor to Towlsaver, Inc., Los Angeles, Calif., a corporation of California
Application October 25, 1940, Serial No. 96,082
Term of patent 14 years



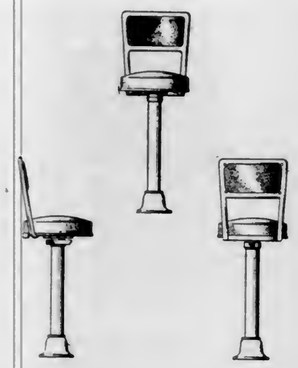
The ornamental design for a towel dispensing cabinet, as shown.

127,806
DESIGN FOR A COMBINED BIRD CAGE AND STAND
Earl W. Little and Gertrude Little, Indianapolis, Ind.
Application May 1, 1940, Serial No. 92,060
Term of patent 14 years



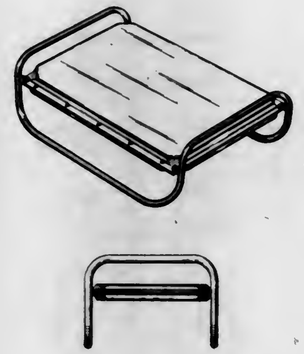
The ornamental design for a combined bird cage and stand, as shown and described.

127,807
DESIGN FOR A RESTAURANT SEAT
Leonard W. Lowther, Merchantville, N. J., assignor to Horn and Hardart Baking Co., Philadelphia, Pa., a corporation of Pennsylvania
Application April 6, 1940, Serial No. 91,521
Term of patent 14 years



The ornamental design for a restaurant seat, substantially as shown.

127,808
DESIGN FOR AN ANIMAL BED
Daniel J. McGillicuddy, Malden, Mass.
Application November 22, 1939, Serial No. 88,405
Term of patent 14 years



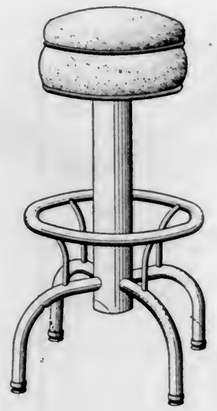
The ornamental design for an animal bed substantially as shown and described.

127,809
DESIGN FOR A REMINDER INDICATOR
Gerald M. Meehan, Hart, Mich.
Application March 25, 1940, Serial No. 91,223
Term of patent 7 years



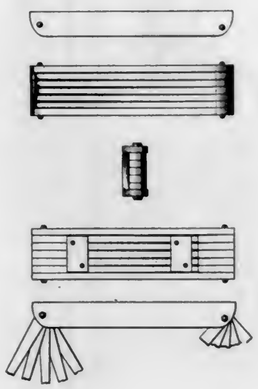
The ornamental design for a reminder indicator, substantially as shown and described.

127,810
DESIGN FOR A STOOL
Lawrence M. Michelson, Clayton, Mo.
Application April 22, 1941, Serial No. 100,565
Term of patent 7 years



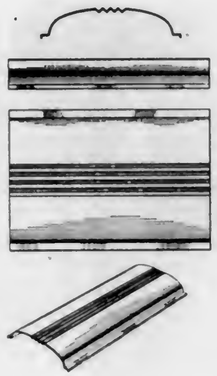
The ornamental design for a stool, substantially as shown.

127,811
DESIGN FOR A CLOTHES DRYING RACK
Arthur E. Olson, Ridgway, Pa., assignor of one-half to Harry A. Mader, Ridgway, Pa.
Application July 27, 1940, Serial No. 93,956
Term of patent 14 years



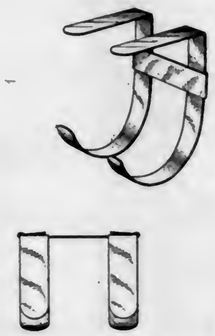
The ornamental design for a clothes drying rack, as shown.

127,812
DESIGN FOR A CAP PIECE FOR A SIGN
Harold R. Owen, Venice, Calif., assignor to Electrical Products Corporation, Los Angeles, Calif., a corporation of California
Application April 8, 1941, Serial No. 100,219
Term of patent 7 years



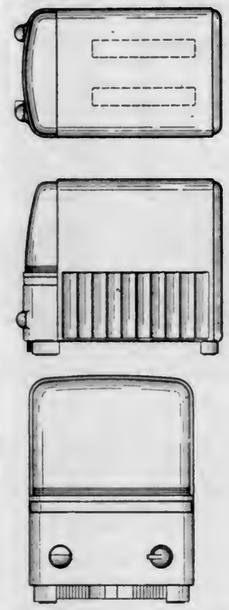
The ornamental design for a cap piece for a sign, as shown.

127,813
DESIGN FOR A RACK FOR SMALL ARTICLES
Gustave W. Pipenhagen, Chicago, Ill.
Application February 17, 1941, Serial No. 99,046
Term of patent 14 years



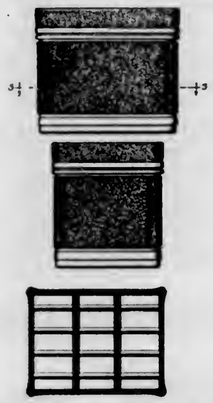
The ornamental design for a rack for small articles, substantially as shown.

127,814
DESIGN FOR A TOASTER
Jean O. Reinecke, Oak Park, and James F. Barnes, Chicago, Ill., assignors to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application April 25, 1941, Serial No. 100,623
Term of patent 7 years



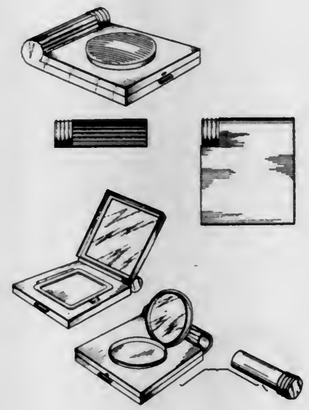
The ornamental design for a toaster, substantially as shown and described.

127,815
DESIGN FOR A RECEPTACLE FOR BATTERIES OR SIMILAR ARTICLES
Roland Reppert, Pelham Manor, N. Y., assignor to American Hard Rubber Company, New York, N. Y.
Application April 12, 1941, Serial No. 100,345
Term of patent 7 years



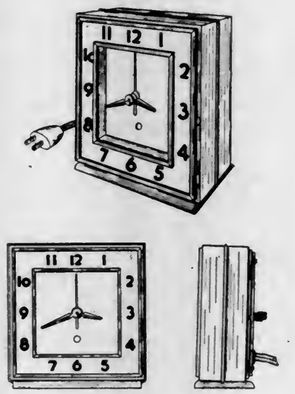
The ornamental design for a receptacle for batteries or similar articles, as shown.

127,816
DESIGN FOR A COMBINATION VANITY AND LIPSTICK CASE
Garland Dee Runnels, New York, N. Y.
Application January 3, 1941, Serial No. 97,791
Term of patent 14 years



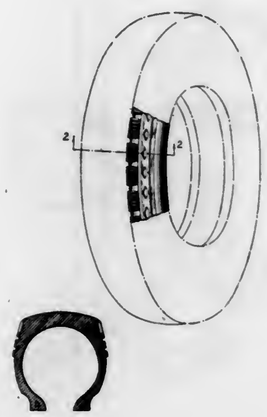
The ornamental design for a combination vanity and lipstick case, substantially as shown.

127,817
DESIGN FOR A CLOCK CASING
Max E. Schlenker, Peru, Ill., assignor to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware
Application March 22, 1941, Serial No. 99,785
Term of patent 7 years



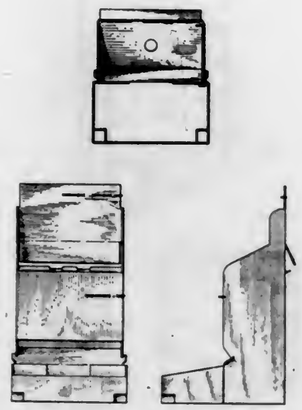
The ornamental design for a clock casing, as shown and described.

127,818
DESIGN FOR A TIRE
Walter E. Shively, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application July 23, 1940, Serial No. 93,879
Term of patent 14 years



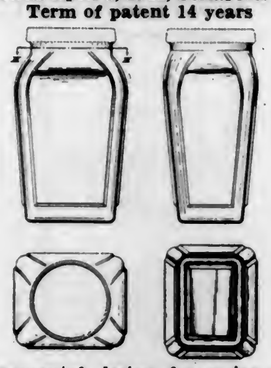
The ornamental design for a tire, as shown.

127,819
DESIGN FOR AN ADVERTISING DISPLAY STAND
Sydney G. Silberstein, Brooklyn, N. Y.
Application April 25, 1941, Serial No. 100,618
Term of patent 7 years



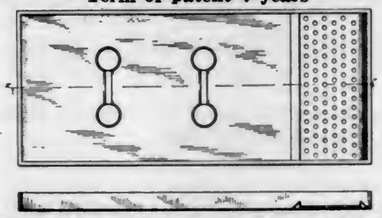
The ornamental design for an advertising display stand, as shown.

127,820
DESIGN FOR A JAR OR SIMILAR ARTICLE
Virginius A. Tomasson, East Orange, N. J., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application April 3, 1941, Serial No. 100,114
Term of patent 14 years



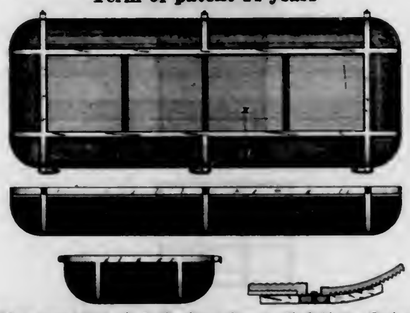
The ornamental design for a jar or similar article, substantially as shown and described.

127,821
DESIGN FOR A GAME BOARD
Jacob Voeller, Merriam, Kans.
Application September 11, 1940, Serial No. 94,944
Term of patent 7 years



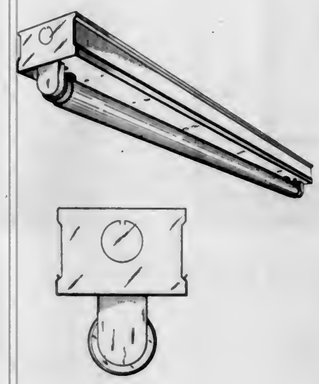
The ornamental design for a game board, as shown.

127,822
DESIGN FOR A LIGHTING FIXTURE
Edward E. Ashley, Darien, Conn., and Alexander E. Blumenthal, Pittsburgh, Pa., assignors of one-third to Kaufmann & Baer Company, a corporation of Pennsylvania, also doing business as Gimbel Bros., Pittsburgh, Pa.
Application May 8, 1941, Serial No. 100,848
Term of patent 14 years



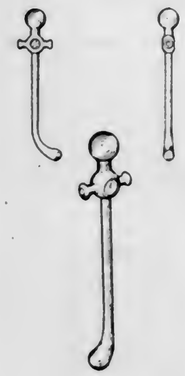
The ornamental design for a lighting fixture, substantially as shown.

127,823
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
David J. Biller, St. Louis, Mo., assignor to Day-Brite Lighting, Inc., St. Louis, Mo., a corporation of Missouri
Application January 6, 1941, Serial No. 97,823
Term of patent 7 years



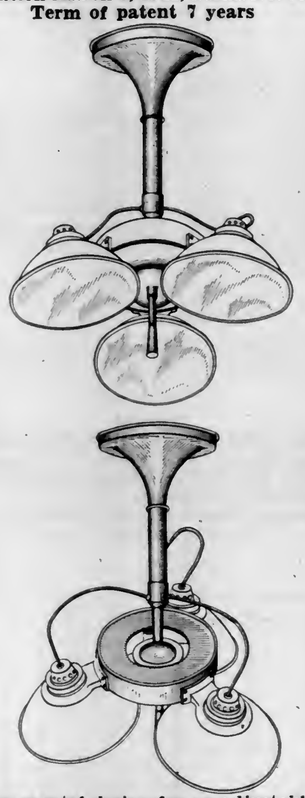
The ornamental design for a fluorescent lighting fixture, as shown.

127,824
DESIGN FOR A MASSAGE INSTRUMENT
Fahmy Garas, Cairo, Egypt
Application March 28, 1940, Serial No. 91,305
In Great Britain October 19, 1939
Term of patent 14 years



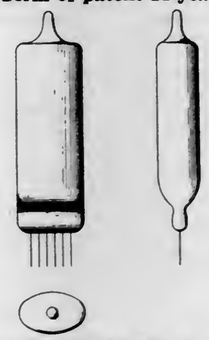
The ornamental design for a massage instrument, as shown.

127,825
DESIGN FOR AN ADJUSTABLE LIGHTING FIXTURE
Ernest H. Greppin, Brighton, N. Y., assignor to Wilmot Castle Company, Rochester, N. Y., a corporation of New York
Application March 6, 1941, Serial No. 99,390
Term of patent 7 years



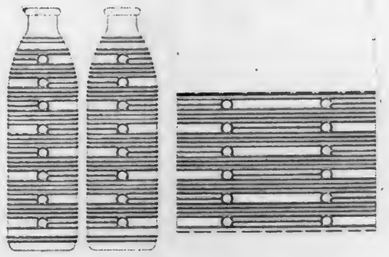
The ornamental design for an adjustable lighting fixture, substantially as shown.

127,826
DESIGN FOR AN ELECTRON TUBE
Eugene J. Hoffman, Emporium, Pa.
Application August 16, 1940, Serial No. 94,458
Term of patent 14 years



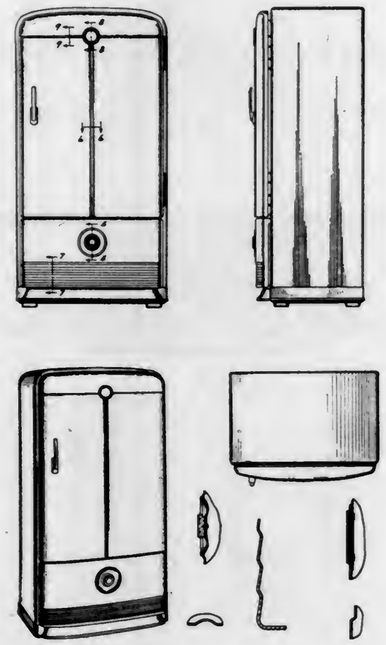
The ornamental design for an electron tube, as shown.

127,827
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Meredith Stewart Ireys, Lancaster, Pa.
Application January 9, 1941, Serial No. 97,941
Term of patent 14 years



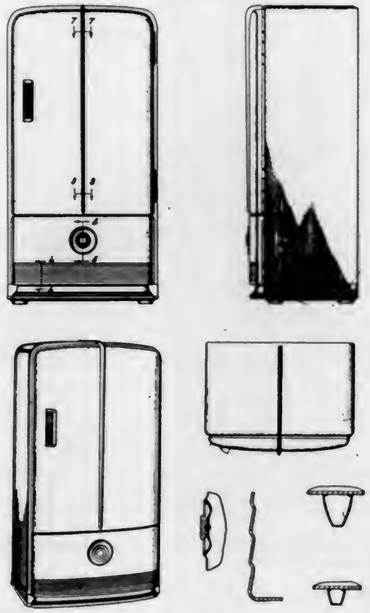
The ornamental design for a bottle or similar article, substantially as shown and described.

127,828
DESIGN FOR A REFRIGERATOR CABINET
Raymond Loewy, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 12, 1941, Serial No. 99,523
Term of patent 14 years



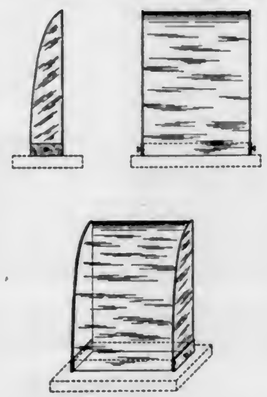
The ornamental design for a refrigerator cabinet, as shown.

127,829
DESIGN FOR A REFRIGERATOR CABINET
Raymond Loewy, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 12, 1941, Serial No. 99,525
Term of patent 14 years



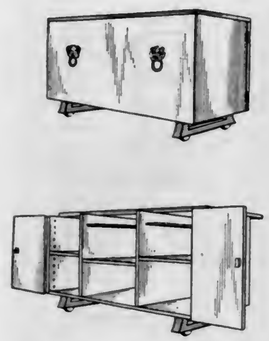
The ornamental design for a refrigerator cabinet, as shown.

127,830
DESIGN FOR A DISPLAY STAND
Maximilian C. Meyer, Brooklyn, N. Y.
Application September 14, 1940, Serial No. 95,068
Term of patent 14 years



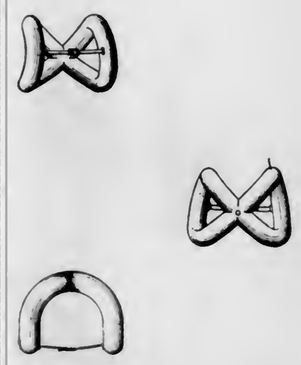
The ornamental design for a display stand, as shown and described.

127,831
DESIGN FOR A HOUSE BAR
William C. Pahlmann, New York, N. Y.
Application October 3, 1940, Serial No. 95,609
Term of patent 3½ years



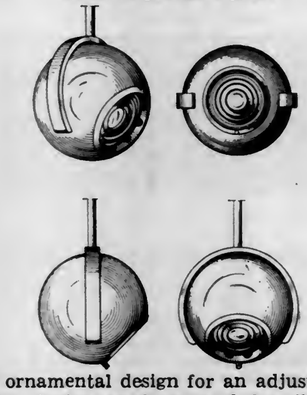
The ornamental design for a house bar, substantially as shown.

127,832
DESIGN FOR A SWIMMING APPLIANCE
Harold O. Perry, Orinda, Calif.
Application September 3, 1940, Serial No. 94,772
Term of patent 14 years



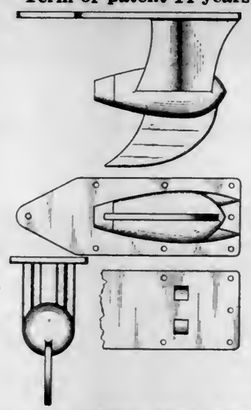
The ornamental design for a swimming appliance, as shown.

127,833
DESIGN FOR AN ADJUSTABLE ILLUMINATING DEVICE
Edison Avery Price, New York, N. Y.
Application June 7, 1940, Serial No. 92,881
Term of patent 7 years



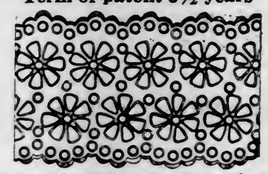
The ornamental design for an adjustable illuminating device, as shown and described.

127,834
DESIGN FOR A MOTORBOAT CHAIN DRIVE HOUSING
Lloyd Smith Puckett, Seattle, Wash.
Application December 16, 1940, Serial No. 97,354
Term of patent 14 years



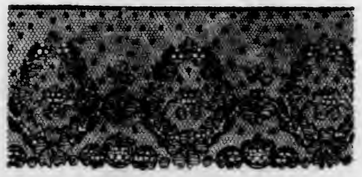
The ornamental design for a motorboat chain drive housing, as shown.

127,835
DESIGN FOR AN EMBROIDERED LACE FABRIC OR SIMILAR ARTICLE
Jack Wiener, New York, N. Y.
Application March 25, 1941, Serial No. 99,840
Term of patent 3½ years



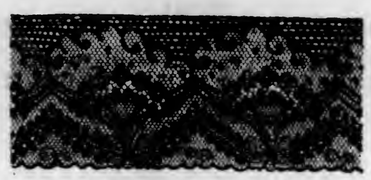
The ornamental design for an embroidered lace fabric or similar article, as shown.

127,836
DESIGN FOR A LACE
Isaac Zendman, New York, N. Y.
Application May 24, 1941, Serial No. 101,116
Term of patent 3½ years



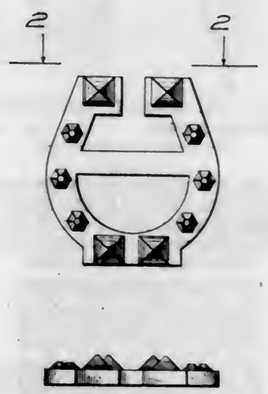
The ornamental design for a lace, substantially as shown.

127,837
DESIGN FOR A LACE
Isaac Zendman, New York, N. Y.
Application May 24, 1941, Serial No. 101,117
Term of patent 3½ years



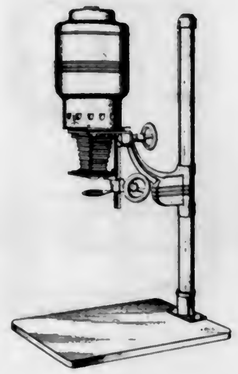
The ornamental design for a lace, substantially as shown.

127,838
DESIGN FOR A SCARF HOLDER
John R. Craighead, Denver, Colo.
Application February 10, 1941, Serial No. 98,860
Term of patent 3½ years



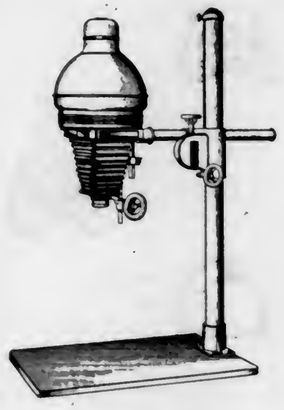
The ornamental design for a scarf holder, as shown.

127,839
DESIGN FOR A PHOTOGRAPHIC ENLARGING APPARATUS
Albert Drucker, Chicago, Ill., assignor to Burke & James, Inc., Chicago, Ill., a corporation of Illinois
Application October 2, 1940, Serial No. 95,558
Term of patent 14 years



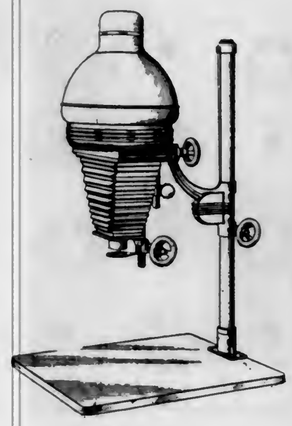
The ornamental design for a photographic enlarging apparatus, as shown.

127,840
DESIGN FOR A PHOTOGRAPHIC ENLARGING APPARATUS
Albert Drucker, Chicago, Ill., assignor to Burke & James, Inc., Chicago, Ill., a corporation of Illinois
Application October 2, 1940, Serial No. 95,559
Term of patent 14 years



The ornamental design for a photographic enlarging apparatus, as shown.

127,841
DESIGN FOR A PHOTOGRAPHIC ENLARGING APPARATUS
Albert Drucker, Chicago, Ill., assignor to Burke & James, Inc., Chicago, Ill., a corporation of Illinois
Application January 21, 1941, Serial No. 98,226
Term of patent 14 years



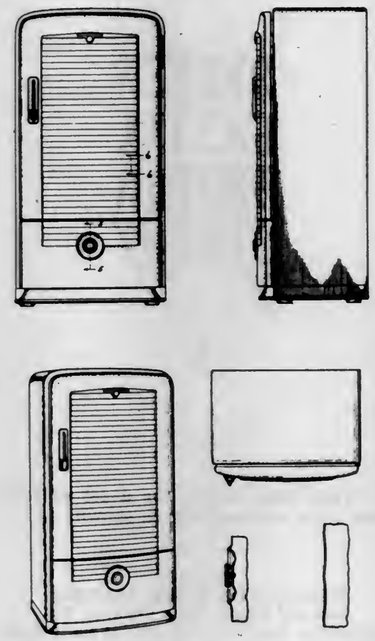
The ornamental design for a photographic enlarging apparatus, as shown and described.

127,842
DESIGN FOR A SHOE OR SIMILAR ARTICLE
David Levin, New York, N. Y.
Application May 21, 1941, Serial No. 101,046
Term of patent 3½ years



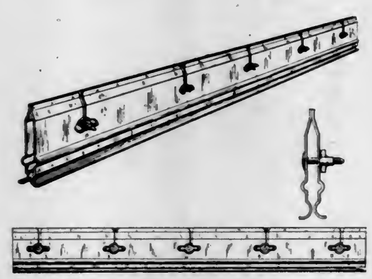
The ornamental design for a shoe or similar article, substantially as shown.

127,843
DESIGN FOR A REFRIGERATOR CABINET
Raymond Loewy, New York, N. Y., assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 12, 1941, Serial No. 99,524
Term of patent 14 years



The ornamental design for a refrigerator cabinet, as shown.

127,844
DESIGN FOR A CURTAIN STRETCHER HOLDER OR SIMILAR ARTICLE
John Pearl, Detroit, Mich.
Application March 12, 1941, Serial No. 99,526
Term of patent 14 years



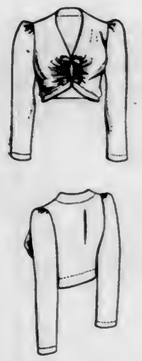
The ornamental design for a curtain stretcher holder or similar article substantially as shown.

127,845
DESIGN FOR A SET OF JEWELED ALPHABET PINS
Harry Reinstein, New York, N. Y.
Application March 26, 1941, Serial No. 99,897
Term of patent 3½ years



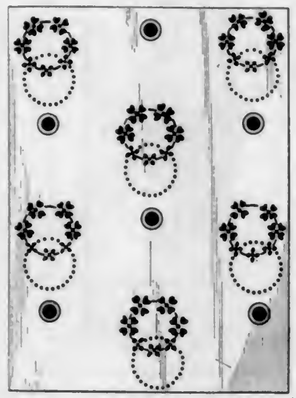
The ornamental design for a set of jeweled alphabet pins, substantially as shown.

127,846
DESIGN FOR A BED JACKET
Edward Sitkin, New York, N. Y.
Application April 24, 1941, Serial No. 100,599
Term of patent 3½ years



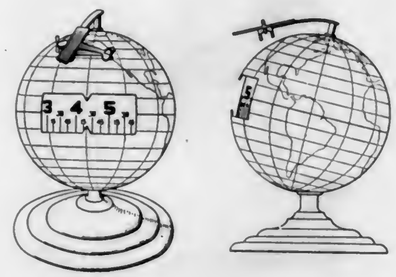
The ornamental design for a bed jacket, substantially as shown.

127,847
DESIGN FOR A TEXTILE FABRIC
Michael Angelo Susi, New York, N. Y., assignor to Electro-Technical Products, Inc., Nutley, N. J., a corporation of New Jersey
Application March 31, 1941, Serial No. 100,048
Term of patent 3½ years



The ornamental design for a textile fabric, as shown.

127,848
DESIGN FOR A CLOCK
Alexander R. Tigerman and Milton N. Tigerman, Chicago, Ill.
Application April 18, 1941, Serial No. 100,495
Term of patent 7 years



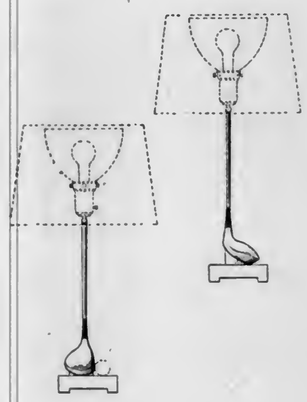
The ornamental design for a clock, as shown and described.

127,849
DESIGN FOR A SWEATER
June Webster, New York, N. Y.
Application May 16, 1941, Serial No. 100,972
Term of patent 3½ years



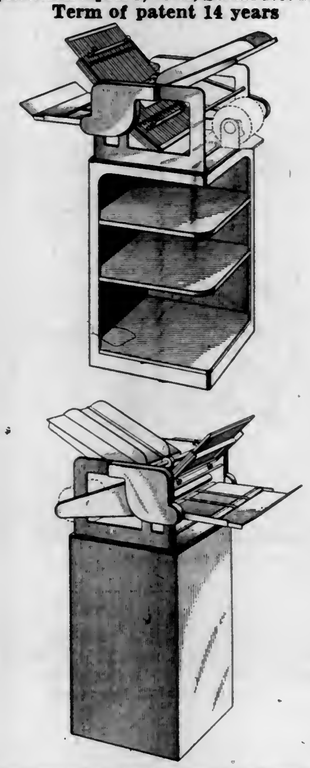
The ornamental design for a sweater, substantially as shown.

127,850
DESIGN FOR A LAMP
Joseph J. Clement, Milwaukee, Wis.
Application March 15, 1941, Serial No. 99,633
Term of patent 14 years



The ornamental design for a lamp, substantially as shown and described.

127,851
DESIGN FOR A FOLDING MACHINE OR SIMILAR ARTICLE
William Ward Davidson, Evanston, and Harry S. Scholl, Glen Ellyn, Ill.; said Scholl assignor to Davidson Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application April 3, 1941, Serial No. 100,119
Term of patent 14 years



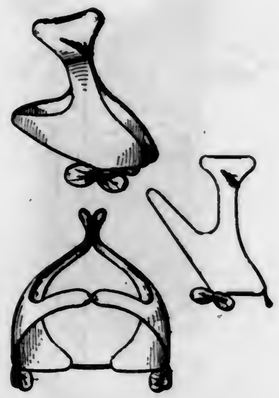
The ornamental design for a folding machine or similar article, substantially as shown.

127,852
DESIGN FOR A HAT
Matthew P. Hyland, Rye, N. Y.
Application May 26, 1941, Serial No. 101,137
Term of patent 3½ years



The ornamental design for a hat, as shown.

127,853
DESIGN FOR A HAT
Kenneth W. Johnson, New Haven, Conn.
Application March 25, 1941. Serial No. 99,871
Term of patent 7 years



The ornamental design for a hat, substantially as shown and described.

127,854
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application May 27, 1941, Serial No. 101,160
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,855
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application May 27, 1941, Serial No. 101,161
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,856
DESIGN FOR A DRESS ENSEMBLE
Stella Brownie Kaufman, New York, N. Y.
Application May 27, 1941, Serial No. 101,162
Term of patent 3½ years



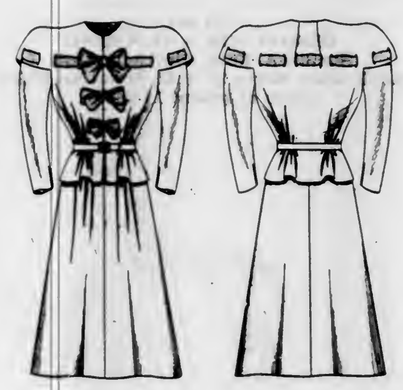
The ornamental design for a dress ensemble, substantially as shown.

127,857
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application May 27, 1941, Serial No. 101,163
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,858
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application May 27, 1941, Serial No. 101,164
Term of patent 3½ years



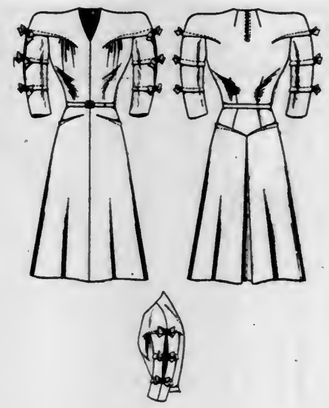
The ornamental design for a dress, substantially as shown.

127,859
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application May 27, 1941, Serial No. 101,166
Term of patent 3½ years



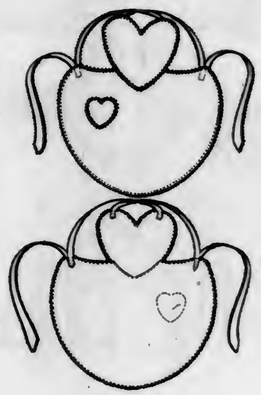
The ornamental design for a dress, substantially as shown.

127,860
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application May 27, 1941, Serial No. 101,167
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,861
DESIGN FOR AN APRON
Maxine A. Kling, Hollywood, Calif.
Application July 3, 1940, Serial No. 93,403
Term of patent 3½ years



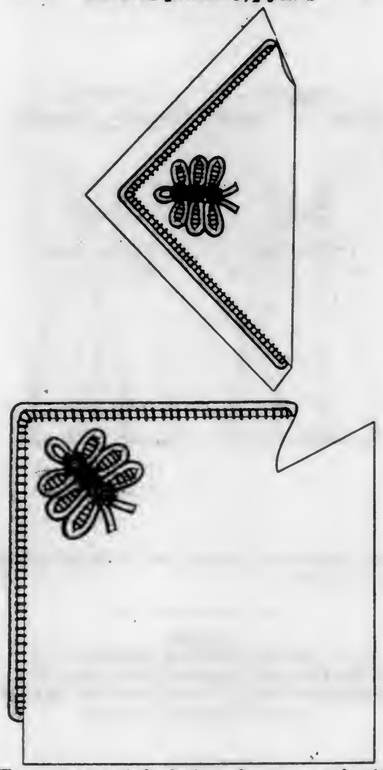
The ornamental design for an apron, as shown.

127,862
DESIGN FOR A DRESS
Billie Pretzfeld, White Plains, N. Y.
Application April 5, 1941, Serial No. 100,161
Term of patent 3½ years



The ornamental design for a dress, as shown.

127,863
DESIGN FOR AN EMBROIDERED TRIMMING OR SIMILAR ARTICLE
Gilbert J. Rhodes, New York, N. Y.
Application May 16, 1941, Serial No. 100,971
Term of patent 3½ years



The ornamental design for an embroidered trimming or similar article, as shown.

127,864
DESIGN FOR A STOCKING
Samuel A. Roth, Cleveland, Ohio
Application March 29, 1941, Serial No. 99,995
Term of patent 14 years



The ornamental design for a stocking, as shown and described.

127,865
DESIGN FOR A COLLAR
Louis A. Siegel, New York, N. Y.
Application November 14, 1940, Serial No. 96,582
Term of patent 14 years



The ornamental design for a collar, substantially as shown and described.

127,866
DESIGN FOR A DRESS
Hattie Carnegie Zanft, Red Bank, N. J.
Application May 15, 1941, Serial No. 100,955
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,867
DESIGN FOR A COAT
Natacha Brooks, New York, N. Y.
Application May 16, 1941, Serial No. 100,976
Term of patent 3½ years



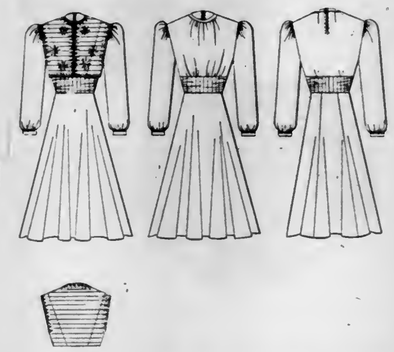
The ornamental design for a coat, substantially as shown.

127,868
DESIGN FOR A NOVELTY YARN
Edwin Bry, Elberon, N. J.
Application August 28, 1940, Serial No. 94,687
Term of patent 3½ years



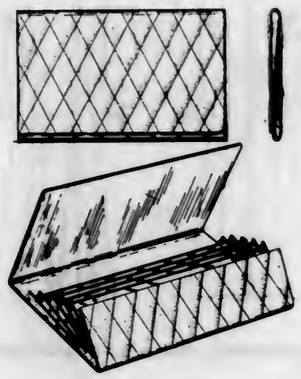
The ornamental design for a novelty yarn, substantially as shown and described.

127,869
DESIGN FOR A DRESS ENSEMBLE
Madeleine Croizat, New York, N. Y.
Application September 7, 1940, Serial No. 94,867
Term of patent 3½ years



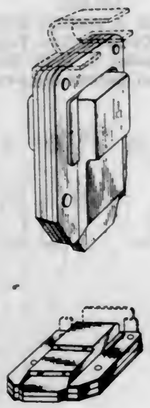
The ornamental design for a dress ensemble, substantially as shown.

127,870
DESIGN FOR A HANDBAG OR SIMILAR ARTICLE
Silvia Dorée, New York, N. Y.
Application December 4, 1940, Serial No. 97,057
Term of patent 3½ years



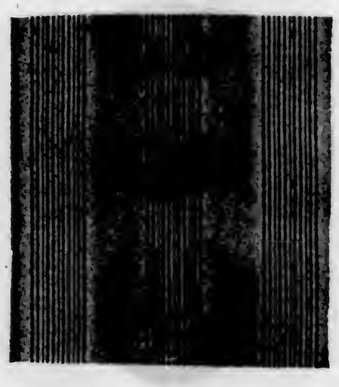
The ornamental design for a handbag or similar article, substantially as shown.

127,871
DESIGN FOR A SWITCHING HEAD
William H. Frank, Detroit, Mich.
Application March 13, 1940, Serial No. 90,876
Term of patent 7 years



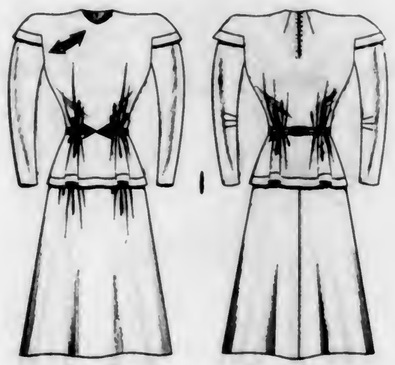
The ornamental design for a switching head, substantially as shown.

127,872
DESIGN FOR A WOVEN TEXTILE FABRIC
Richard Hoellerich, New York, N. Y.
Application May 29, 1941, Serial No. 101,216
Term of patent 3½ years



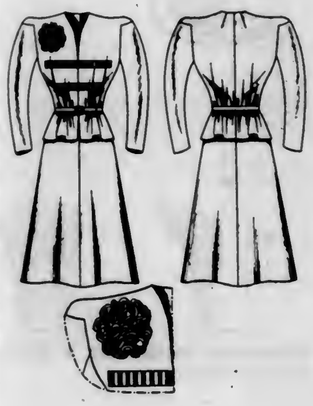
The ornamental design for a woven textile fabric, substantially as shown and described.

127,873
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application May 27, 1941, Serial No. 101,165
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,874
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application May 29, 1941, Serial No. 101,218
Term of patent 3½ years



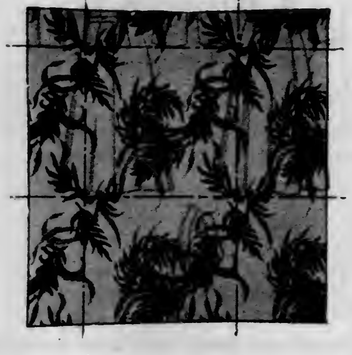
The ornamental design for a dress, substantially as shown.

127,875
DESIGN FOR A COAT
Jacob H. Matlin, New York, N. Y.
Application May 28, 1941, Serial No. 101,189
Term of patent 3½ years



The ornamental design for a coat, as shown.

127,876
DESIGN FOR A TEXTILE FABRIC
Edmund M. Patterson, New York, N. Y.
Application May 27, 1941, Serial No. 101,177
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown and described.

127,877
DESIGN FOR A JACKET
Stella Brownie Kaufman, New York, N. Y.
Application May 27, 1941, Serial No. 101,169
Term of patent 3½ years



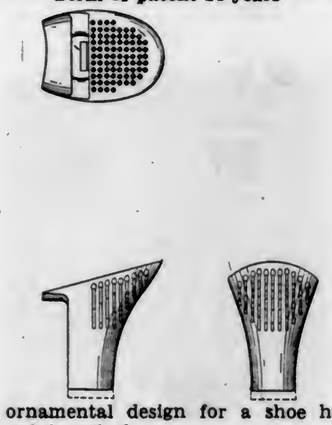
The ornamental design for a jacket, substantially as shown.

127,878
DESIGN FOR A DRESS
Stella Brownie Kaufman, New York, N. Y.
Application May 27, 1941, Serial No. 101,168
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,879
DESIGN FOR A SHOE HEEL
William J. Walsh, University City, Mo., assignor to Pearson Heel Mfg. Co., St. Louis, Mo., a corporation of Missouri
Application July 7, 1939, Serial No. 85,875
Term of patent 14 years



The ornamental design for a shoe heel, as shown and described.

Patents Nos. 2,246,489 to 2,247,344

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OF THE
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CONTENTS

	Page
ISSUE OF JUNE 24, 1941	841
DISCLAIMERS	841
NOTICE OF CANCELLATION	842
APPLICATIONS UNDER EXAMINATION	842
DECISIONS OF THE U. S. COURTS—	
Levine v. Coe, Commissioner of Patents	843
Krause v. Coe, Commissioner of Patents	844
Hemphill Company, a Corporation of The State of Massachusetts v. Coe, Commissioner of Patents	846
In re Day	848
PATENT SUITS	849
ADJUDICATED PATENTS	850
ADVERSE DECISIONS IN INTERFERENCE	850
BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS	851
TRADE-MARKS PUBLISHED (128 APPLICATIONS)	855
TRADE-MARK REGISTRATIONS GRANTED	870
TRADE-MARK REGISTRATIONS RENEWED	878
REISSUES	883
PLANT PATENTS	885
PATENTS GRANTED	886
DESIGNS	1091

JUNE 24, 1941

Trade-Marks	147—No.	388,362 to No.	388,508, inclusive.
T. M. Renewals	92		
Reissues	10—No.	21,837 to No.	21,846, inclusive.
Plant Patents	3—No.	475 to No.	477, inclusive.
Patents	856—No.	2,246,489 to No.	2,247,344, inclusive.
Designs	81—No.	127,880 to No.	127,960, inclusive.
Total	1,189		

Disclaimers

Re. 19,235.—*Louis A. M. Phelan*, Chicago, Ill., and *Clifford Hotchkiss*, Elkhart, Ind. ELECTRICAL APPARATUS. Patent dated July 10, 1934. Disclaimer filed May 28, 1941, by the assignee, *The Brown Instrument Company*.

Hereby enters this disclaimer to claims 31, 32, 33, and 35 in said specification.

Re. 21,483.—*Glenn L. Larison*, La Grande, Oreg. SHOCK REDUCING AND CUSHIONING WHEEL MOUNTING FOR VEHICLES. Patent dated June 18, 1940. Disclaimer filed May 28, 1941, by the inventor and the assignee, *Larison Compensating Axle Corporation*.

Hereby enters this disclaimer to claim 9.

2,130,968.—*Arthur C. Sewall*, Auburn, Maine. INSOLE BLANK AND METHOD OF MAKING INSOLES THEREFROM. Patent dated September 20, 1938. Disclaimer filed June 5, 1941, by the inventor.

Hereby makes the following disclaimer:

Under claims 1, 3, and 6 he disclaims from the scope of said claims any method, if such be in law comprehended by said claims in their present form, other than one wherein the first mentioned zone is formed of a width at least equal to, but much less than twice, the length of the heel and shank portion, and the widest portion, B, of the heel of each insole is cut from material between the heel and shank portions of the adjacent insoles at either side thereof.

Under claim 10 he disclaims from the scope of said claim all sheets, if such be in law comprehended by said claim in its present form, other than those wherein the stiff zone is of a width much less than twice the length of the heel and shank portion of the insole, whereby when insoles are cut with the toes of alternate insoles directed respectively toward the opposite sides of the sheet the heel of each of them may be cut from material between the heel and shank portions of the adjacent insoles at either side thereof.

Under claims 12 and 13 he disclaims from the scope of said claims all sheets, if such be in law comprehended by said claims in their present form, other than those wherein the elongated band of fiberboard is of a width at least equal to, but much less than twice, the length of the heel and shank portion of such an insole whereby when insoles are cut with the toes of alternate insoles directed respectively toward the opposite sides of the sheet the heel of each of them may be cut from material between the heel and shank portions of the adjacent insoles at either side thereof.

2,152,770.—*Bernard Offen*, Chicago, Ill. DRYING METHOD AND APPARATUS. Patent dated April 4, 1939. Disclaimer filed May 24, 1941, by the patentee.

Hereby enters this disclaimer to claims 7 and 8 of said Letters Patent.

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, D. C., May 23, 1941.*

Hoge Edmundson Richardson, his assigns or legal representatives, take notice:

An application for cancellation having been filed in this Office by The A. S. Boyle Company, 527 Cornelison Ave., Jersey City, N. J., to effect the cancellation of trade-mark registration of Hoge Edmundson Richardson, doing business as Rite-Wa Cleaning Co., 1407 Chapin St., N. W., Washington, D. C., No. 215,251, dated July 13, 1926, and the notice of such proceeding sent by registered mail to the said Hoge Edmundson Richardson at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Hoge Edmundson Richardson, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business June 7, 1941

(Total number of applications awaiting action, excluding Trade-Mark Division, 42,699; Trade-Mark Division, 1,309. Oldest new case, Sept. 14, 1940; oldest amended, Sept. 11, 1940.)
(The dates given are 1940 except where † indicates 1941)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. TUCKER, M. W., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	†Dec. 31	Jan. 8	604
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco; Butchering; Bee Culture.	†Dec. 20	†Dec. 13	569
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Apr. 5	Apr. 8	419
7083	4. DONNELLY, A. E., Conveyors Hoists; Handling Apparatus and Implements; Excavating, Elevators; Fire Escapes; Ladders, Scaffolds; Store Service; Pneumatic Despatch.	Feb. 27	Feb. 19	544
3077	5. ROBINSON, C. W., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons	Feb. 3	Feb. 14	419
4898 C	6. LEWERS, A. M., Carbon Chemistry (part)	†Nov. 2	†Nov. 19	1165
5725	7. JARBOE, C. G., Optics; Photography	†Dec. 9	†Dec. 13	980
3885	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets; Furniture	†Oct. 23	†Oct. 24	866
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Jan. 15	Jan. 18	643
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Wheel Substitutes, Bodies and Tops; Vehicle Fenders; Spring Devices.	Jan. 28	Feb. 15	423
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Feb. 4	Feb. 1	425
7701	12. SPINTMAN, SAMUEL, (Act.), Machine Elements; Mechanical Starters; Stop Mechanism	†Dec. 19	Dec. 12	560
5006	13. BORLIK, F. J., Gear Cutting, Milling, and Planting; Metal Drawing, Forging and Welding, and Rolling; Metal and Plastic Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	†Dec. 9	†Nov. 27	495
5097	14. FREEHOF, H. B. (Act.), Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes; Metal Stock.	Feb. 17	Feb. 14	545
4897	15. HENKIN, BENJ., Glass; Plastic Block and Earthenware Apparatus; Plastics	†Dec. 10	Dec. 11	1057
5716	16. SPENCER, C. J., Telegraphy; Telephony	Feb. 5	Jan. 30	520
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 11	Jan. 10	564
4612	18. KURZ, JOS. A., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 16	Jan. 25	447
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Jan. 13	Jan. 20	663
6605	20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Safes; Undertaking; Bread, Pastry, and Confection Making.	Jan. 16	Jan. 11	436
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Feb. 21	Feb. 20	301
5600	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Mechanical Guns and Projectors; Boats and Buoys; Ships; Marine Propulsion.	†Sept. 14	†Sept. 16	1441
7624	23. BUTTNER, W. J., Registers (part)	†Oct. 24	†Oct. 2	267
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Nov. 29	†Dec. 18	854
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Jan. 30	Feb. 3	514
5893	26. YOUNG, R. R., Electricity, Generation; Motive Power	Feb. 3	Feb. 17	403
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus; Textiles, Ironing and Fluid Treatment.	Dec. 2	Jan. 14	500
4628	28. SOLYOM, H. L., Internal-Combustion Engines; Machine Elements; Cylinders and Pistons	Jan. 13	Jan. 10	403
5082	29. SHKLARIN, J. B., Woodworking; Tools; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Tables.	†Dec. 26	Jan. 8	689
4083	30. McCANN, L. P., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Feb. 17	Feb. 13	527
4716	31. DUNCOMBE, C. S., Mineral Oils; Hydrocarbons	†Dec. 28	†Dec. 28	1359
4086	32. LESH, KARL, Gas and Liquid Contact; Heat Exchange; Gas Separation; Agitating	Jan. 21	†Dec. 21	997
6096	33. KAUFFMAN, H. E. (Act.), Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads.	Jan. 31	Feb. 1	915
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Surface Track; Track Sanders; Draft Appliances; Signals and Indicators.	†Nov. 22	†Dec. 7	443
3876	35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Portable Receptacles	†Dec. 20	†Dec. 19	969
7892	36. McFADYEN, A. D., Measuring and Testing; Force Measuring; Automatic Weighers	†Dec. 27	†Dec. 16	518
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	†Dec. 21	†Dec. 30	565
3084	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	†Sept. 19	†Sept. 11	1205
4878	39. WHITNEY, F. I., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Feb. 4	Feb. 6	577
7880	40. DRUMMOND, E. J., Metallic, Wood, Paper, and Special Receptacles	†Nov. 16	†Nov. 14	1761
7612	41. HERTZ, M., Typewriting Machines; Coin Handling; Recorders; Registers (part); Deposit and Collection Receptacles.	Jan. 8	Jan. 7	454
5882	42. CUTTING, H. O., Electric Signaling	Feb. 3	Jan. 29	326
4886 B	43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Azo Compounds.	†Nov. 16	†Nov. 27	606
4087 B	44. HARVEY, L. P., Refrigeration	†Dec. 12	†Dec. 5	601
7063	45. HILL, H. D., Shafting and Couplings; Lubrication; Bearings and Guides; Motors; Engine Cooling; Resilient Tires and Wheels; Wheels and Axles.	Mar. 19	Mar. 31	351
4613	46. BLEECKER, V. E., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements and Machines.	Jan. 16	Jan. 16	650
6082	47. KANOF, W. J., Clutches; Brakes	Jan. 29	Jan. 24	346
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Feb. 1	Feb. 1	203
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	†Dec. 19	†Dec. 9	741
4701	50. LEVIN, S., Synthetic Resins; Carbohydrate Derivatives; Rubber Coating Processes	†Dec. 9	†Dec. 9	1148
5628	51. BACKUS, C. D., Radiant Energy (part)	Mar. 28	Mar. 26	478
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Conduits and Housings; Laminated Packing; Pipes and Tubular Conduits.	Feb. 14	Mar. 1	630
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	†Dec. 3	†Nov. 30	892
5883	54. STRACHAN, O. W., Electric Lamps; Vapor Electric Devices; Radiant Energy (part)	†Dec. 11	†Dec. 20	394
6883	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Jan. 14	Jan. 24	310
4725	56. COCKERILL, S., Electrochemistry; Laminated Fabrics; Paper Making	†Nov. 9	†Nov. 8	1212
6613	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Amusement Devices.	†Oct. 25	Feb. 18	169
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	†Dec. 2	†Dec. 3	539
4709	59. SHEPPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Substance Preparation; Heterocyclic Compounds.	†Dec. 14	†Dec. 14	1024
5896	60. GLASS, R. L., Electric Heating and Welding; Batteries; Resistances; Dynamo Plants	Jan. 3	Mar. 12	346
6724	61. YUNG KWAI, B., Laminated Electrical Insulation; Belt, Hose, Tire; Ball Making; Winding; Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery.	Mar. 12	Mar. 6	314
5621	62. PUOH, E. C., Games; Geometrical Instruments	Mar. 27	Mar. 14	467
4888	63. WINKELSTEIN, A. H., Foods and Beverages; Preserving, Disinfecting, and Fermentation; Poisons.	Nov. 29	Nov. 26	1034
4706	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats and Glue; Liquid Coating Compositions; Fuel.	Mar. 6	Mar. 6	565
5612	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Mar. 29	Feb. 15	310
2099 B	Trade-Marks: F. A. RICHMOND	May 2	May 10	1309
2606	Designs: H. H. KALUPY	Apr. 23	May 15	657

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

LEVINE *v.* COE, COMMISSIONER OF PATENTS

No. 7,476. Decided February 17, 1941. Rehearing denied March 19, 1941

[— F.(2d) —]

1. APPEAL—WEIGHT ATTACHING TO RULINGS OF PATENT OFFICE AND DISTRICT COURT.
   Where the Patent Office and the district court have ruled that the claims in issue in a suit by an applicant under section 4915 R. S. (35 U. S. C., section 63) describe a patented device, the judgment dismissing applicant's complaint must be affirmed unless it is found that said rulings are wrong.
2. PATENTABILITY—INOPERATIVENESS IN A REFERENCE.
   To make a patent a valid reference against claims sought by an applicant, it is not essential that a claimed function of the patent be entirely practical or successful commercially.
3. SAME—CARBURETOR.
   Claims appearing in a patent to H *Held* properly denied to applicant L, since the conclusion of the Patent Office and the district court that said claims are supported by H's disclosure is based on substantial evidence.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Edward W. Shepard, Mr. Hugh M. Morris, Mr. Alexander L. Nichols, and *Mr. George R. Erickson* for Levine.

Mr. W. W. Cochran and *Mr. H. S. Mackey* for the Commissioner of Patents.

Before GRONER, Chief Justice, and MILLER and RUTLEDGE, Associate Justices

RUTLEDGE, *J.*:

The appeal is from dismissal of the complaint to authorize issuance of a patent, pursuant to R. S. § 4915, 35 U. S. C. § 63, on certain claims relating to an automatic choke valve for automobile carburetors. The Patent Office and the trial court held that the claims in issue were anticipated by a patent, No. 1,945,191, issued to Hunt in January, 1934, pursuant to an application filed on May 4, 1931. Hunt's claims which are said to anticipate plaintiff's were contained in an amendment to his application filed February 10, 1933. Plaintiff's application was filed November 17, 1931, but the present claims were not included until December 9, 1935, when an amendment was filed with these claims copied from the Hunt patent. Plaintiff contends that the patent was improperly granted Hunt as to these claims for the reason that they are not supported by his original disclosure. This presents the sole issue on the appeal.

The typical claim in issue describes a carburetor with

> " . . . a pressure responsive choke valve, temperature responsive means yieldingly urging the valve toward closed position and rendered inoperative at high temperatures, and means responsive to suction posterior to the throttle for moving the valve to a partially opened position against the force of the temperature responsive means."

It is not questioned that plaintiff's disclosure supports this description. On one side plaintiff's valve is attached to a bi-metallic thermostat in the form of a coil spring which at low temperature holds the valve "yieldingly" closed. On the other side the valve is attached to a small piston. When the motor starts, the suction created in the manifold moves the piston, forcing the valve open against the resistance of the thermostat on the other side. As the motor becomes warm the thermostat coils up until eventually it offers no resistance to the open position of the valve.

The important question is whether Hunt's disclosure supports the claims. Only one of the embodiments of Hunt's valve, that contained in Figure 7 of his application, is relied upon by defendant as anticipating plaintiff's claims. Figure 7 shows a valve connected on one side (somewhat less directly than plaintiff's) to a cam controlled by a thermostat, and on the other side, through levers and a toggle-joint, to a sylphon bellows. It appears that initially Hunt's choke valve is held closed by a spring. As the spring is not sufficiently strong to hold the valve in closed position during the cranking operation, Hunt added the toggle-joint and bellows to furnish added resistance to opening at that time. Prior to starting, the bellows is in relaxed position and the toggle-joint is approximately straight, thus tending to lock or "latch" the valve. When the motor starts suction is produced which causes the bellows to contract, thus breaking the straight-line position of the toggle. Defendant says this action of the bellows also operates through the toggle and levers to open the valve partially. When the resistance of the toggle is released, the force of air against the valve opens it 10 or 15 degrees against the resistance of the spring. The valve then comes in contact with a lever connected with the thermostatically controlled cam. As the motor becomes warm the thermostat expands, causing the cam to rotate, moving the lever and opening the valve. As the motor cools the thermostat contracts, the cam rotates in the opposite direction, thus releasing the lever connected with the valve and, apparently, permitting the spring to restore the valve to closed position.

[1] It is to be remembered that the claims in issue were drawn originally to describe Hunt's, not plaintiff's, device. Plaintiff contends they do not do so in two principal respects: (1) the "temperature responsive means" does not yieldingly urge the valve toward closed position; (2) the sylphon bellows is not "for moving the valve to a partially opened position against the force of the temperature responsive means." We do not find that the Patent Office and the district court were wrong in their rulings on these contentions, and therefore we must affirm the judgment. *Abbott* v. *Coe*, 71 App. D. C. 195, 109 F.(2d) 449 (1939), 512 O. G. 3.

Plaintiff says that the "temperature responsive means" does not urge the valve toward closed posi-

tion, but that this function is performed by the spring. The Examiner found that

"Hunt's thermostat is itself a yielding means and that it operates through spring 67, another yielding means, to urge the valve toward closed position."

Thus the "means" employed by Hunt to "urge the valve toward closed position" includes not only the thermostat, which is directly responsive to heat, but also the cam and the spring through which it operates to close the valve. The combined "means" is "temperature responsive," is yielding, and urges the valve to closed position. This part of the description is met fully by Hunt's specification.

Plaintiff contends that the sole purpose of the syphon bellows, levers and toggle-joint is to provide added resistance to the valve's opening during the cranking operation and to release it when the motor starts, not to move the valve to a partially opened position. It apparently is true that Hunt adopted the toggle and bellows for the former purpose, and did not consider important (or perhaps realize at first) that the device would also have the effect later claimed. But by 1933 Hunt or his assignee recognized what the Patent Office and the trial court have found to be true, that the device would also partially open the valve. It is not suggested that the new claims made then, if supported by the original disclosure, are not valid as they would have been had they been included in the application of 1931. If, therefore, the claimed function existed in the original specification, though not expressly described there, Hunt's claims are valid and plaintiff's are anticipated.

[2] Much has been said in briefs and argument concerning the fact that Figure 7 describes an inoperative device, i. e., if bellows and levers on the scale pictured were used the device would not work. However, it is conceded that "a patent drawing is not required to be an exact working drawing" and that the "manifest imperfection of the device . . . might be cured." Plaintiff says that the

"fundamental question . . . is whether the claims in issue would be readable upon the device as shown in Figure 7 of the Hunt patent, assuming that that device is operative in precise accordance with the description, specification and teaching of the Hunt patent."

Accepting this statement of the issue, it seems that there is adequate evidence in the record from which the trial court could have found that an operative bellows and toggle device would open the valve partially. Hunt, who was not a hostile witness, so testified, as did other witnesses. Apparently it was recognized by the witnesses that such a means of opening the valve is not practical since a bellows of reasonable size would open the valve only slightly. It also appears that though the bellows could open the valve partially, the chief force causing it to open, and the force subjectively contemplated by Hunt in his original disclosure, was that of the rush of air induced by the starting of the motor. The fact remains that appellant's claims call for only a partial opening of the valve by the "means responsive to suction," and it appears from the evidence that such a function is performed by Hunt's device. It is not essential that this function of Hunt's patent be entirely practical or successful commercially. *Hildreth* v. *Mastoras*, 257 U. S. 27 (1921), 293 O. G. 215; *Williams* v. *Handschiegl*, 48 F.(2d) 395, 18 C. C. P. A. 1176, 410 O. G. 817. The patent is nevertheless valid as to this function, and it is anticipatory of the claims sought to be made by plaintiff.

Plaintiff also argues that whatever opening of the valve is accomplished by the bellows must be against the tension of the spring, not "against the force of the temperature responsive means." What has been said above to the effect that the thermostat, cam, lever and spring together constitute the "temperature responsive means" should be sufficient answer for this argument. But in any event we think the trial court might well have inferred from the evidence, since there is nothing to contradict the inference, that the bellows would open the valve to the point where the thermostatically controlled cam and lever would furnish direct resistance to further opening, though the initial resistance might be provided solely by the spring.

[3] We think therefore that the conclusion of the Patent Office and the district court that these claims are supported by Hunt's disclosure is based on substantial evidence. The judgment is affirmed.

Affirmed.

U. S. Court of Appeals for the District of Columbia

KRAUSE *v.* COE, COMMISSIONER OF PATENTS

No. 7,584. Decided May 5, 1941

1. INVENTION—SUBSTITUTION OF MATERIALS.
   It being old to provide a flush valve of the type claimed with a packing of leather or other suitable material, and the use of graphite rubber as a packing material being old, there was no invention in using graphite rubber as a packing for flush valves.
2. SAME—IMPROVED RESULT.
   "To say that the Krause flush valve works better than any previous one is not to say that something has been invented."
3. SAME—LAST STEP.
   Merely taking the last step necessary to produce a satisfactory device does not necessarily involve invention. It must be an inventive step.
4. PATENTABILITY—FLUSH VALVE AND PACKING.
   Certain claims to a flush valve and packing *Held* unpatentable over the prior art.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Donald M. Carter and *Mr. Spencer B. Michael* for Krause.

Mr. Edwin L. Reynolds and *Mr. W. W. Cochran* for the Commissioner of Patents.

Before MILLER, VINSON, and RUTLEDGE, Associate Justices

VINSON, *A. J.:*

Appellant brought this action, commonly known as a 4915 proceeding,[1] in the district court, to authorize and compel the Commissioner to grant a patent. Previously, the Examiner and the Board of Appeals in the Patent Office had decided that appellant's claims were unpatentable inasmuch as they lacked invention in view of prior and patented art. The district court likewise found appellant's claims to be unpatentable, and dismissed the complaint.

[1] R. S. § 4915, as amended, 35 USCA § 63.

Appellant's claims are in the field of flush valves. The description and operation of the valve, while not restricted to use in connection with closet bowls, will be presented in this association to facilitate comprehension. The function of the valve is to measure accurately the amount of water for each flush in those systems which do not use a tank. It is not to be inferred that appellant is limited to the following description. It is made in order that the improvements appellant contends his device has brought about and the claims he wants patented can be more readily understood.

Picture a water main pipe joining at right angles a pipe leading to a closet bowl. At this junction, the pipe from the closet bowl is enlarged and extends above the water main pipe. This enlargement will be called the casing. Within this casing is a sliding piston valve, enlarged at both ends. In the closed position the lower end of the piston valve rests against a washer seat shutting off the flow of water from the main to the closet bowl. Above the upper end of the piston valve is a chamber of water. When the operator actuates the handle, a small valve within this main piston valve is tilted, allowing the water to flow from the chamber through the center of the piston valve into the pipe leading to the closet bowl. With this release of pressure in the chamber, the pressure of the water from the main pushes the sliding valve upwards into the chamber, the lower portion of the piston valve leaves the washer seat, and the water flows from the main into the closet bowl causing it to flush. At the same time water goes through a by-pass within the sliding valve into the chamber, gradually pushing the piston valve back to the closed position. The water goes through the by-pass into the chamber because the enlarged upper end of the sliding valve carries a packing which seals against the casing preventing water from going around the sliding valve into the chamber. It takes the piston valve ten or twelve seconds to move into the chamber and back to the closed position. Meanwhile about four gallons of water pass from the main into the closet bowl.

If the upper end of the sliding valve with its packing does not fit tightly against the casing, water will seep by from the main into the chamber, causing the piston valve to return to its closed position sooner than it should. This means that an insufficient amount of water will go into the closet bowl for the flush, since the valve was constructed under the plan that the chamber was to be filled by way of the by-pass alone. If, on the other hand, the packing around the upper end of the sliding valve which makes the tight fit with the casing wedges and sticks, the piston valve will not return to the washer seat as soon as it should, causing a prolonged flush.

Krause states that the packings that have been used are subject to both of these difficulties. He uses a rubber or a graphite rubber packing which he contends maintains a tight fit against the casing at all times so that no water enters the chamber except through the by-pass, assuring a full flush. He also contends that the rubber or graphite rubber packing keeps its flexibility and easy running quality so that the valve never sticks, allowing too much water to enter the bowl.

Krause desires to patent seven claims numbered 1, 3, 4, 6, 7, 8, and 9. Claim 1 reads:

"A flush valve comprising a casing, a main valve sliding therein, a cup packing connected with said main valve comprising a part extending crosswise of the casing and projecting beyond the main valve at its periphery and having its periphery bent so as to provide a face substantially parallel to and sliding along the inner face of the casing, said packing consisting of rubber having therein at its surface at the point where it engages the inner face of the casing powdered graphite, whereby the operation of the flush valve at low pressures is insured, the water passing through the flush valve being free from lubricating material."

Claims 3, 4, and 9 are similarly set up, giving varying descriptions of the packing member. Claim 7 reads:

"A cup packing device consisting of two cups of flexible rubber projecting in opposite directions from a central portion of flexible material integral with said cups."

Claim 8 is identical except for the addition of a reinforcing member. Claim 6 is similarly a cup packing device of rubber and in addition specifies a 20 to 40 per cent proportion of graphite. Four claims, 1, 3, 4, and 9, then, are for a flush valve and three, 6, 7, and 8, are for a packing member.

[1] We consider first the patentability of the three claims for a packing member. The use of rubber or graphite rubber as a packing material appears to be old. In 1903, Traun obtained a German patent, No. 138,274, on a packing member of hard rubber with 20 to 50 per cent graphite. In 1909, Hopkinson obtained a British patent, No. 2713, on a packing member of soft rubber with graphite. In 1929, McQuaid obtained a patent, No. 1,718,474, on pump pistons with a rubber cup packing. Granting appellant's position that these packings were not shaped, supported, or otherwise constructed to be useful in flush valves, we see no invention in modifying the physical characteristics of an old packing material for the job at hand. The district court and the Patent Office rejected claims 6, 7, and 8 on the basis of these three patents. We find no error in the district court's conclusion.

It is also clear, in respect of claims 1, 3, 4, and 9, that Krause cannot obtain a patent on this general type of flush valve which acts as a metering device. Patents to Young, No. 1,539,455 (1925), Pasman, No. 1,600,774 (1926), and Sloan, Nos. 1,830,005 (1931) and 1,878,001 (1932), show a flush valve working in the same manner as Krause's. Claims 1, 3, 4 and 9, however, present more than this. They disclose a flush valve with a rubber or a graphite rubber packing around the main piston valve. This is apparently new. But does this new combination constitute invention? Krause, making

this his chief contention, answers in the affirmative. The district court and the Patent Office have answered in the negative.

The only new specific thing that Krause has done is to substitute, in a flush valve, a rubber or a graphite rubber packing for any other possible type; apparently leather has been the common packing material, although previous patents have mentioned any suitable material. Why, then, should Krause make combination claims on the whole valve? He argues that his packing was such an improvement that it made all the parts of the valve work in new and unexpected cooperation justifying the combination claims. And what is this unexpected cooperation? It is that the rubber or the graphite rubber packing makes a watertight seal so that all of the water which goes into the chamber goes by way of the by-pass assuring a long enough flush. It is also that these packings make an easy running fit so that the valve does not stick prolonging the flush. His packings, therefore, according to Krause's contentions, have made the flush valve work in a uniform time, creating an accurate meter. From an uncertain flush valve to a perfected one, all because rubber or graphite rubber was used as the packing material, is the picture painted by appellant.

[2] There may have been a new and unexpected result in that Krause's device worked better than any previous valve or that it worked better than anticipated. But there was not a new and unexpected cooperation between the valve parts so that when the packing was watertight and did not stick, the valve became a consistent water meter. That is what a leather or any other kind of packing would do so long as it worked as it was intended to work. Krause did not want his valve to function in a way different from previous valves. He wanted it to function the same way—but better. Krause may have a better packing that makes a better valve, but there is no unexpected or different cooperation. To say that the Krause flush valve works better than any previous one is not to say that something has been invented.[2] Patentable invention takes more imaginative association of old and new than that.[3] Krause has smoothed and polished up the device. As a result the flush valve may be many times as feasible as before. This may be the touch needed to make flush valves reign supreme over tanks behind the closet bowl, just as the closet bowl reigns supreme over the device in which Chic Sale found so much humor, but the creative thinking, the ideas, the inventing came long ago.

[3] Krause says that it is the last step which counts in patent law. It has to be an inventive step however. The combination claims do not disclose invention.

If the question before us were, do we, starting from scratch and exercising an original and independent judgment, conclude that Krause's claims show invention, we would not hesitate in answering in the negative. But that is not our appellate function.[4] And in view of that function it is clearer still that we must affirm.

Affirmed.

[2] I Walker (Deller's ed. 1937) § 29.

[3] *Lincoln Engineering Co.* v. *Stewart-Warner Corp.*, 303 U. S. 545, and cases cited. In that case the Supreme Court was willing to assume that the specific improvement was patentable while refusing to say that there was invention on the combination; here, as has been shown, the specific improvement is not patentable. I Walker (Deller's ed. 1937) § 47, particularly pp. 217–8.

[4] *Abbott* v. *Coe*, 71 App. D. C. 195, 109 F.(2d) 449.

U. S. Court of Appeals for the District of Columbia

HEMPHILL COMPANY, A CORPORATION OF THE STATE OF MASSACHUSETTS

v.

COE, COMMISSIONER OF PATENTS

No. 7,659. Decided May 12, 1941

1. SUIT UNDER SECTION 4915 R. S.—EFFECT OF PRIOR APPEAL UNDER SECTION 4911 R. S.
   The remedies provided by sections 4911 and 4915 of the revised statutes are alternative and mutually exclusive and the remedy elected is conclusive of all issues which were or might have been raised.
2. SAME—SAME—SECOND APPLICATION.
   A party cannot, by filing a second application, obtain a review of questions which were or might have been determined on a review relating to the first.
3. OPERATIVENESS—RES JUDICATA—SECOND APPLICATION.
   Where, after a first application was held by the Patent Office and by the Court of Customs and Patent Appeals to disclose an inoperative device, a second application was filed, and it was admitted that, unless this second application was entitled to the benefit of the filing date of the first, the issuance of a patent on it was barred by public use, *Held* that if the second application discloses nothing inventive over the first, the appeal on the first has finally determined that it is inoperative, while, if the second application discloses new matter, it is barred by the admitted public use.

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. Edward W. Shepard and *Mr. Roy F. Lovell* for Hemphill Company.

Mr. W. W. Cochran and *Mr. Edwin L. Reynolds* for the Commissioner of Patents.

Before MILLER, VINSON, and RUTLEDGE, Associate Justices

RUTLEDGE, *J.*:

Appellant seeks reversal of the district court's judgment dismissing its complaint under Rev. Stat. § 4915 (1893), 35 U. S. C. § 63 (1934), to authorize the Commissioner of Patents to issue a Patent upon application No. 749,596 made by its assignors.

The application related to improvement in complicated knitting machines. It was filed October 23, 1934. A previous application (No. 213,818), filed August 18, 1927, was rejected by the Patent Office for inoperativeness. This ruling was affirmed by the United States Court of Customs and Patent Appeals. *In re Lawson*, 21 C. C. P. A. 1091, 70 F.(2d) 373 (1934). It is conceded that public use occurred between the dates of the two applications, and therefore appellant is unable to furnish a new oath in support of the second one as required by the statute. 35 U. S. C. §§ 31, 35. To

supply this requirement, however, it seeks to rely upon the oath made in support of the first application. The theory is that for this purpose the present application is a continuation of the earlier one, though appellant also says the two are so distinct that it is not precluded from bringing this suit by the appeal to and decision of the Court of Customs and Patent Appeals.

The principal question, therefore, is whether for the sole purpose of supplying the necessary oath the second application may be regarded as a continuation or division of the first, though for all other purposes, including institution of this suit, it must be considered as a new and independent one. We think the Patent Office and the district court were right in holding that this should not be allowed.

[1][2] Under section 4915, an appeal from a decision of the Patent Office (Board of Appeals) to the Court of Customs and Patent Appeals precludes later maintenance of a bill in equity upon the same application.[1] The remedies are alternative and mutually exclusive, though differing in that the equity suit affords an opportunity for introduction of new evidence which is lacking in the appeal. The remedy elected is conclusive of the issues raised and of those which might have been raised.[2] A party therefore by filing a second application cannot obtain a review of questions which were, or might have been, determined on a review relating to the first.[3]

The appeal on the first application here determined that it does not disclose an operative device. That question therefore is foreclosed as to any subsequent application which raises the same issues as the first or issues which might have been raised upon it. To be entitled to raise the question of operativeness under the second application by bill in equity, as it seeks to do here, appellant must show that it is not identical with the first, but is a new and independent one. For this purpose the accepted test is whether the second application makes disclosure additional to that of the first sufficient to constitute invention.[4]

Appellant has been unable to do this. In effect, it concedes that the disclosure of the second application over the first does not amount to invention, when it insists that the first disclosed an operative device and the second was a continuation or division of the first. It nowhere claims that the changes made in the second, consisting largely of additional figures or drawings, constituted invention. One reason for this, of course, is that under such a claim it could not also assert the right to have the benefit of the filing date of the first application, which it must have in order to escape the consequences of the intervening public use.

However, appellant seeks to avoid this difficulty by asserting that the first application was operative, could have been shown so by evidence it could not present on the appeal but might have presented in an equity suit, and that it is entitled to present such evidence in this case.[5] Its theory seems to be that the second application, though disclosing no invention over the first, still was sufficiently different to lay a foundation for a new appeal or suit in equity under section 4915. The analogy appears to be to a pleading which sets forth a cause of action or a defense so defectively that it is demurrable, yet furnishes a basis for perfection by amendment which for some purposes at least, e. g., applying a statute of limitations, relates back to the filing of the original pleading.

The analogy is hardly applicable, since it is not contended that the second application here disclosed invention over the first. It is as if the pleading had been amended so that still no cause or defense would be stated. In such a case the condition for relating backward would not be fulfilled. The argument seeks in effect merely to circumvent the requirement that the application disclose invention over the first to entitle the applicant to further review.

That appellant seeks really to redetermine the question which the decision of the Court of Customs and Patent Appeals has concluded appears from its insistence that the trial court should have received the evidence it tendered to show that the first application disclosed an operative device. That is the foundation of its claim that it may rely upon the date of that application as to public use. It is true that it seeks to limit the effect of the redetermination to this single purpose, but no reason is assigned to show that if this is permissible for one purpose it may not be for others. The disclosure of the first application was either operable or inoperable. Whether the one or the other, it had effect as to public use as well as other requirements. Nothing in the statute indicates that a disclosure may be operable for one purpose and not for others. On the contrary, the patent laws contemplate that fulfillment of the various requirements shall be contemporaneous as of the date of the application, not disjunctively successive as of the dates of successive applications disclosing no inventive difference. Any other view would bring about a practical disruption of the patent

[1] Contrary to the formerly prevailing rule in effect when the authorities relied upon by appellant were decided, viz., *Larson* v. *Crowther*, 26 F.(2d) 780 (C. C. A. 8th, 1928); *Bernardin* v. *Northall*, 77 Fed. 849 (C. C. D. Ind., 1897); *United Shoe Machinery Corp.* v. *Muther*, 288 Fed. 283 (C. C. A. 1st, 1923); *Clements* v. *Kirby*, 274 Fed. 575 (C. C. A. 6th, 1921).

[2] *In re Marconi*, 38 App. D. C. 286 (1912); *In re Dement*, 49 App. D. C. 261, 263 Fed. 813 (1920).

[3] *In re Edison*, 30 App. D. C. 321 (1908); cf. *In re Marconi*, 38 App. D. C. 286 (1912); *In re Wasserfallen*, 54 App. D. C. 367, 298 Fed. 826 (1924); *In re Barratt's Appeal*, 14 App. D. C. 255 (1899).

[4] Cf. *Remington Cash Register Co.* v. *National Cash Register Co.*, 6 F.(2d) 585 (D. Conn. 1925); *Manhattan Book Casing Machine Co.* v. *Fuller Co.*, 274 Fed. 964 (C. C. S. D. N. Y. 1912); *Trumbull* v. *Kirschbraun*, 21 C. C. P. A. 758, 67 F.(2d) 974 (1933).

[5] Appellant says, in the brief: "The primary question raised by the instant appeal is whether the disclosure in the parent application Ser. No. 213,818 is sufficiently complete to teach those skilled in the art to which the invention pertains, how to operate a knitting machine to produce the desired product."

[6] In this case the exclusive effect of the election of remedies and the requirements as to public use.

[7] The very fact that such rights may intervene is in itself strong reason for refusing to permit the tacking together of incidents of several applications differing as to time but not as to invention.

system and circumvent both the remedial and substantive provisions[6] of the act to the prejudice of the rights of others, including the public.[7] No authority has been cited to show that such a relaxation of the conditions for obtaining the patentee's monopoly is permissible and we think the reasons against allowing it, including the clear implications of the decisions which have been cited, are conclusive.

[3] Appellant's difficulty may be cast in the form of a dilemma. If the second application discloses nothing inventive over the first, the appeal on the first has determined conclusively that it is inoperative, and relief by way of this suit is precluded. If it discloses new matter, public use within the statutory period cannot be denied under oath. It can make no difference that appellant might have filed a bill in equity to review the Patent Office's decision on the first application and presented testimony in the suit which could not be received on the appeal. "The saddest words of tongue or pen" cannot overcome the effect of its own, though perhaps mistaken, election of remedies.

It is unnecessary to discuss the other contentions which were made, consisting in the main of arguments, in different guise, which we have considered.

The judgment is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE DAY

No. 4,459. Decided March 31, 1941

[118 F.(2d) 352]

1. PATENTABILITY—COMMERCIAL SUCCESS.
"Had we reasonable doubt upon the question of patentability of appellant's claims, commercial success of appellant's process would be a material consideration; but, having no such doubt, we may not consider it."

2. SAME—METHOD OF SURFACE HARDENING.
Claims for a method of surface hardening *Held* unpatentable over the prior art.

APPEAL from Patent Office. Affirmed.

Mr. Charles C. Scheffler and *Mr. Eugene L. Greenewald* (*Mr. Horace B. Van Valkenburgh, III*, of counsel) for Day.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

LENROOT, *J.:*

Appellant here seeks reversal of a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Examiner rejecting, for lack of patentability over the cited prior art, claims 13, 23, 24, and 25 of his application for a patent. No claims have been allowed.

Claim 13 is illustrative of the subject matter involved and reads as follows:

13. Method of concurrently and uniformly surface hardening gear teeth having a diametral pitch of about six or greater, which comprises rotating the gear about its axis at from about 50 to about 120 R. P. M. directing a plurality of heat sources of suitable intensity and of a width equal to the width of the face of said gear against said teeth while said gear is rotating until the surfaces of said teeth have reached a hardening temperature to the desired depth, said heat sources being positioned at about every six to twelve inches of circumference of said gear, and thereafter directing a stream of water against said teeth to quench the same while said gear is still rotating.

Appellant's alleged invention is described by the Board of Appeals in its decision as follows:

The claims on appeal are directed to a method of surface hardening a ferrous metal body of generally cylindrical form.

Appellant is specifically concerned with the hardening of the teeth of a gear, the threads of a screw or some like generally cylindrical object having surface protuberances. The method claimed involves rotating the object in front of a heating flame having a lateral extent corresponding to the width of the object to be treated and at such a rate as to bring the surface of the object which it is desired to harden rapidly to a hardening temperature. When the desired heating has been effected, the article is quenched and a surface layer of considerable depth and having the desired hardened characteristics is produced. Because of the rapidity and local character of the heating, the interior of the article substantially retains its untempered condition.

The references cited are: Howe, 736,103, August 11, 1903; Brown, 1,687,656, October 16, 1928; Bissell, 1,759,603, May 20, 1930; Klopp, 1,879,850, September 27, 1932; Stoffel et al., 1,924,296, August 29, 1933; Kinzel, 2,076,515, April 6, 1937.

The patent to Howe is not contained in the record certified to us. It is referred to in the Office action by the Examiner as disclosing the heating of only the surface portion of a wheel and is referred to in his statement, together with the patents to Bissell, Stoffel et al., Klopp, and Kinzel, as disclosing the same process broadly as that disclosed by appellant, except that in the references the process is applied to truly cylindrical or other smooth surfaces. The Board did not specifically refer to the patent to Howe, but there is a general affirmance of the decision of the Examiner.

In appellant's reasons of appeal there is no mention of the Howe patent. However we think it is fair to assume from the record that the Howe patent was merely cumulative, and disclosed no element forming a ground of rejection that is not disclosed by the patents to Bissell, Klopp, Stoffel et al., and Kinzel. Therefore we will consider the case upon that basis.

The disclosures of the references, so far as material here, are concisely described in the brief of the Solicitor for the Patent Office as follows:

The patents to Bissell, No. 1,759,603 (R. p. 36), Klopp, No. 1,879,850 (R. p. 40), Stoffel, No. 1,924,296 (R. p. 43), and Kinzel, No. 2,076,515 (R. p. 50), show the heat treatment of generally cylindrical objects by rotating them on their axes in proximity to one or more sources of intense heat. After heating, the articles are subject to a quenching operation which, in Stoffel and Kinzel, consists in spraying water on the article while rotating, and in Bissell consists in immersing the article in water while continuing its rotation. None of these patents specifically states that the cylindrical article being treated may be a gear or a threaded pipe but Bissell states that his process is "applicable to many objects and may be carried out by varied mechanisms and by the employment of various sources of heat" while Klopp mentions "pistons, shafts, running wheels and the like" as suitable for treatment by his process.

The Brown patent

The patent to Brown, No. 1,687,656 (R. p. 32), discloses the heat treatment of gear elements by subjecting their peripheries to a source of intense heat directed radially inward from points adjacent the outer working surface. This heat may be applied by an electric induction coil or by the combination of such a coil with gas burners.

We may add that the patent to Bissell recites as follows:

The objects are accomplished by a process by which portions of an object, such as the surface forming the seat of a valve, are subjected to an intense heat for a short period of time, by placing the object in the zone of an intense heat, such as an electric arc or an acetylene torch, and relatively rotating the object and the heat-producing means so *rapidly* that the entire surface or zone to be treated is uniformly heated to the desired temperature without permitting adjacent surfaces of the object to become affected by the heat to a substantial extent, and afterwards quenching the same, preferably by rotating the object in a quenching bath. [Italics ours.]

Appellant's application states that prior to his alleged invention it had been the common practice to harden gear teeth and screw threads individually by subjecting one tooth or one thread turn at a time to progressive heating to the critical range and then quenching.

It is clear to us that the process disclosed by Bissell, Klopp, Stoffel et al., and Kinzel is substantially the same as that disclosed by appellant, the only difference being with respect to the object to which the process is applied. None of the references disclose the application of the process to gear teeth or screw threads. However the purpose of the process in the references is the same as the purpose of appellant, viz., the hardening of the surface only of the object without materially affecting the interior of the article.

Appellant's application states:

This invention relates to the art of surface hardening metallic bodies, having special reference to a method of surface hardening ferrous metal bodies having spaced elevated portions of substantially the same contour and substantially equidistant from each other, such as the teeth of gears and screw-threaded portions of pipes, shafts, etc.

The Brown reference clearly teaches the advantage of applying heat over the whole periphery of a gear before quenching. The Board of Appeals held that the process disclosed by Brown is broadly the equivalent of the process here claimed. The Board further held that the Brown patent is sufficiently suggestive of the uses for gears of the processes shown by the references Bissel, Stoffel et al., Klopp, and Kinzel to negative invention in such use.

In this last holding we concur. Bissell especially discloses the process embraced in the claims before us; and in view of his statement that his process is applicable to many objects, we do not think that he could be made to pay tribute to appellant, should the latter obtain patent, if he, Bissell, applied his process to the hardening of gear teeth. In other words, we think that one skilled in the art, with all the references before him, could, without the exercise of the inventive faculty, employ the process disclosed by Bissell and the other references in the hardening of gear teeth and screw threads.

[1] There is in the record an affidavit of commercial success. Had we reasonable doubt upon the question of patentability of appellant's claims, commercial success of appellant's process would be a material consideration; but, having no such doubt, we may not consider it. *In re Ackenbach*, 18 C. C. P. A. (Patents) 769, 45 F.(2d) 437, 403 O. G. 789.

[2] For the reasons herein stated, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,394,242, W. G. Wheat, Underslung attachment for motor vehicles, C. C. A. 8th Cir. (St. Louis), Doc. 11720, *W. G. Wheat* v. *Ford Motor Co.* Decree affirmed Apr. 9, 1941.

1,401,238, G. A. Clement, Multifocal lens, D. C., S. D. N. Y., Doc. E 79/205, *Univis Corp.* v. *General Optical Co.* Order Apr. 2, 1941.

1,467,831, W. S. Barnickel, Process for treating petroleum emulsions, D. C. Tex. (Tyler), Doc. E 1003, *The Tretolite Co.* v. *Constantine & Co.* Dismissed without prejudice Mar. 31, 1941.

1,653,819, Northcott & Warford, Electro-therapeutical apparatus, filed Apr. 10, 1941, D. C. Calif. (Los Angeles), Doc. 1481, *Northford, Inc., et al.* v. *O. E. Gross.*

1,711,876, G. Dorsey, Hot water bag cover, D. C., N. D. Calif. (San Francisco), Doc. 21129-S, *Georgie Dorsey* v. *Saint Mary's Hospital.* Dismissed with prejudice, pursuant to a dismissal Apr. 1, 1941.

1,747,942, K. Lanninger, Pipe line, filed Apr. 3, 1941, D. C. Oreg. (Portland), Doc. 706, *California Corrugated Culvert Co. et al.* v. *Alaska Junk Co.*

1,759,639, M. Belloch, Buckle, filed Apr. 7, 1941, D. C., S. D. N. Y., Doc. 13/423, *D. A. Sterling* v. *Apex Casting Co.* Consent order of discontinuance (notice Apr. 21, 1941). Same, filed Apr. 9, 1941, D. C., S. D. N. Y., Doc. 13/440, *D. A. Sterling* v. *National Ornament & Trimming Co.*

1,922,944, A. A. Goveille, Elastic woven fabric, D. C., S. D. N. Y., Doc. E 82/240, *Frank Associates, Inc.*, v. *Columbia Narrow Fabrics Co.* Judgment (notice Mar. 11, 1941).

1,924,963, C. O. Sherrill, Store, D. C. Mass., Doc. 563, *The Kroger Grocery & Baking Co.* v. *First National Stores, Inc., et al.* Judgment for defendant Mar. 14, 1941.

1,944,006, L. S. Hanflig, Impact-producing implement, D. C., S. D. N. Y., Doc. 7/435, *L. Hanrig* v. *Segal Lock & Hardware Co., Inc.* Stipulation of discontinuance (notice Apr. 18, 1941).

1,944,021, J. C. Walker, Treatment of wet oil, D. C., E. D. Tex. (Tyler), Doc. E 966, *The Tretolite Co.* v. *McCallum & Forber.* Judgment of dismissal without prejudice Apr. 8, 1941.

1,970,518, H. Aaron, Hair clipper, D. C., S. D. N. Y., Doc. E 87/396, *F. A. Fraser* v. *H. Aaron.* Judgment on counterclaim Aug. 3, 1941. Final judgment Apr. 9, 1941.

1,997,959, C. W. Wood, Road material mixing machine, (declaratory judgment), D. C., S. D. Calif. (Los Angeles), Doc. E 1468, (J) Y, *Madsen Iron Works* v. *C. W. Wood et al.* Claims 4, 5, 7, 17, 20, 21, and 22 held valid and infringed, injunction; bill for declaratory relief dismissed Apr. 17, 1941.

2,006,566, M. J. Zimmer, Strainer, filed Apr. 7, 1941, D. C., S. D. N. Y., Doc. 13/428, *The Edward Katzinger Co.* v. *Automatic Wire Goods Mfg. Co.*

2,024,694, G. J. Koehler, Curtain rod guiding device, D. C., S. D. N. Y., Doc. 4/10, *Koehler Tool & Mfg. Co.* v. *Bengor Products Co.* Consent judgment (notice Apr. 18, 1941).

2,034,755, C. W. Fuller, Improvement in coating device, filed Apr. 4, 1941, D. C., N. D. Okla. (Tulsa), Doc. 551, *R. M. Gardnier* v. *Petroleum Coating Co.*

2,057,814, A. J. Barrett, Filter tube, filed Apr. 14, 1941, D. C., E. D. Mo. (St. Louis), Doc. 855, *A. J. Barrett* v. *National Lead Co.*

2,069,579, C. Epstein, Garment, filed June 4, 1940, D. C. Mass., Doc. 728, *C. Epstein* v. *Albert Godard Co.*

2,073,270, B. Val Jean, Combustion apparatus, filed Apr. 9, 1941, D. C., E. D. Mich., S. Div., Doc. 2565, *Motor Wheel Corp. et al.* v. *Evans Products Co.*

2,110,118, Robertson & Staples, Fabric and method of and apparatus for treating same, D. C. Mass., Doc. 27, *Mount Hope Finishing Co.* v. *T. S. Wing & Co., Inc.* Dismissed for lack of prosecution Jan. 2, 1941.

2,111,527, S. O. Blanc, Drain cleaner, C. C. A., 6th Cir., Doc. 8502, *S. O. Blanc* v. *Electric Sewer Service Co. et al.* Claim 4 held valid but not infringed Apr. 17, 1941.

2,118,468, T. G. Jungersen, Method of casting articles of intricate design and a product thereof, D. C., E. D. Pa., Doc. 1238, *T. G. Jungersen* v. *Sears, Roebuck and Co.* Consent decree for plaintiff for injunction Apr. 17, 1941.

2,123,847, H. Fleisher, Inlaid knitted fabric, D. C., S. D. N. Y., Doc. 4/89, *Arcadia Knitting Mills, Inc.*, v. *Princeton Knitting Mills, Inc.* Doc. 10/133, *Princeton Knitting Mills, Inc.*, v. *Arcadia Knitting Mills, Inc., et al.* Judgment (notice Apr. 16, 1941), in both of above cases.

2,146,386, M. Todd, Display, advertising and propaganda device, filed Apr. 7, 1941, D. C., S. D. N. Y., Doc. 13/424, *Matisse Bros., Inc.*, v. *Yermie Stern Commercial Attractions, Inc., et al.*

2,206,243, D. Turano, Method of shearing furs, filed Apr. 10, 1941, D. C., S. D. N. Y., Doc. 13/455, *Fur Grooving & Shearing Co., Inc.*, v. *Modern-Reliance Fur Shearing Co.*

2,207,699, Pliskoff & Weiserger, Shoe, D. C., S. D. N. Y., Doc. 11/13, *P. Pliskoff et al.* v. *Saks & Co.* Order (notice Apr. 18, 1941).

2,233,230, G. A. Tinnerman, Fastening device, filed Apr. 8, 1941, D. C., E. D. Mich., S. Div., Doc. 2563, *Tinnerman Products, Inc.*, v. *Detroit Harvester Co.*

Re. 16,288, R. R. Eddins, Slip cover for automobiles, C. C. A. 8th Cir. (St. Louis), Doc. 11784, *Ever-Klean Seat Pad Co.* v. *Firestone Tire & Rubber Co.* Decree affirmed Apr. 1, 1941.

Des. 111,775, W. Seaver, Translucent candle, D. C. Mass., Doc. 600, *Color Glow Candle Co.* v. *William Filene's Sons Co.* Judgment for defendant Mar. 14, 1941.

Des. 117,225, J. Cambert, Dress, D. C., S. D. N. Y., Doc. 6/291, *Mike Levine, Inc.*, v. *Slender Maid Dresses, Inc.* Order dismissing bill for lack of prosecution (notice Apr. 2, 1941).

Des. 117,773, M. M. Levine, Dress, D. C., S. D. N. Y., Doc. 6/460, *Mike Levine, Inc.*, v. *Pomette Dress Corp.* Order (notice Apr. 5, 1941).

Des. 119,129, E. Kay, Dress ensemble, filed Apr. 3, 1941, D. C., S. D. N. Y., Doc. 13/399, *Spector & Shanler, Inc.*, v. *Rosecweb Frocks, Inc.*

Des. 119,500, S. Jacobs, Textile fabric, D. C., S. D. N. Y., Doc. 8/499, *Calbert Dress Co. et al.* v. *Yale Fabrics Corp. et al.* Stipulation of discontinuance (notice Apr. 9, 1941).

Des. 119,579, A. Ruchman, Dress, D. C., S. D. N. Y., Doc. 13/162, *Apex Dress Co., Inc.*, v. *Stylefit Dress Co., Inc.* Consent judgment (notice Apr. 16, 1941).

Des. 119,912, E. Breer, Dress, filed Apr. 16, 1941, D. C., S. D. N. Y., Doc. 13/490, *Musman-Pincus, Inc.*, v. *Abrams & Norman, Inc.*

Des. 121,150, J. Schnitt, Ribbon fabric, filed Apr. 10, 1941, D. C., S. D. N. Y., Doc. 13/457, *Amrose Hat, Inc.*, v. *Rubin Bros. Millinery, Inc., et al.*

Des. 122,851, C. M. Nenhardt, Dress, D. C., S. D. N. Y., Doc. 11/169, *Welby Dresses, Inc.*, v. *Jack Wasserman Corp.* Consent judgment (notice Apr. 18, 1941).

Des. 123,912, F. Mosell, Brooch, filed Apr. 19, 1941, D. C., S. D. N. Y., Doc. 14/41, *Cohn & Rosenberger, Inc.*, v. *Mosell Costume Jewelry, Inc., et al.*

Des. 124,903, S. Novak, Dress ensemble, filed Apr. 17, 1941, D. C., S. D. N. Y., Doc. 14/4, *Flora Dress Co.* v. *Lombardy Dresses, Inc.*,

Des. 125,383, E. Breer, Dress, filed Apr. 16, 1941, D. C., S. D. N. Y., Doc. 13/491, *Musman-Pincus, Inc.*, v. *Buntly Frocks, Inc.*

Des. 125,466, M. Charbonnet, Textile fabric, filed Apr. 18, 1941, D. C., S. D. N. Y., Doc. 14/16, *Cohn-Hall-Marx Co.* v. *Martin Weiner Co. et al.*

Des. 125,512, F. T. Stix, Dress, filed Apr. 4, 1941, D. C., S. D. N. Y., Doc. 13/419, *Herbert Sondheim, Inc.*, v. *Rapson Frocks, Inc.*

Des. 125,967, C. Lang, Dress, filed Apr. 15, 1941, D. C., S. D. N. Y., Doc. 13/489, *C. Lang et al.* v. *International Dress Co., Inc.*

Des. 126,166, E. Cutler, Dress ensemble, filed Apr. 10, 1941, D. C., S. D. N. Y., Doc. 13/451, *Fred Perlberg, Inc.*, v. *Glad Modes, Inc.*

Des. 126,176, S. Novak, Dress ensemble, filed Apr. 17, 1941, D. C., S. D. N. Y., Doc. 14/5, *Flora Dress Co.* v. *Pearl Dress Co., Inc.*

Des. 126,278, C. Charles, Dress, filed Apr. 3, 1941, D. C., S. D. N. Y., Doc. 13/396, *Sandler & Lane, Inc.*, v. *Victoria Dress Co., Inc.* Doc. 13/453, *Sandler & Lane, Inc.*, v. *Neufeld-Furst & Co., Inc.* Doc. 13/452, *Sandler & Lane, Inc.*, v. *Lou Gaolwits & Co., Inc.* Doc. 13/454, *Sandler & Lane, Inc.*, v. *Security Dress Co., Inc.*

Des. 126,329, A. Berin, Dress, filed Apr. 12, 1941, D. C., E. D. N. Y., Doc. 1949, *Harvey Berin Co., Inc.*, v. *Abraham & Straus, Inc.*

Des. 126,350, A. Ruchman, Dress, filed Apr. 4, 1941, D. C., S. D. N. Y., Doc. 13/406, *Apex Dress Co., Inc.*, v. *Lady Youth, Inc.* Doc. 13/407, *Apex Dress Co., Inc.*, v. *Revue Frocks, Inc.* Doc. 13/433, *Apex Dress Co., Inc.*, v. *Miss Norman, Inc.* Same, filed Apr. 8, 1941, D. C., S. D. N. Y., Doc. 13/432, *Apex Dress Co., Inc.*, v. *Starglo Frocks, Inc.* Doc. 13/434, *Apex Dress Co., Inc.*, v. *Del Wynn Dress Corp.* Same, filed Apr. 11, 1941, D. C., S. D. N. Y., Doc. 13/468, *Apex Dress Co., Inc.*, v. *A. Golder & Co., Inc.* Same, filed Apr. 3, 1941, D. C., S. D. N. Y., Doc. 13/397, *Apex Dress Co., Inc.*, v. *Blue Gem Dresses, Inc.*

Adjudicated Patents

(Ct. Cl.) Myers patent, No. 1,608,109, for vehicle, *Held* invalid if read so as to apply to alleged infringing mount, but if not so read, and confined to specific embodiments disclosed, *Held* not infringed. *Myers Arms Corporation* v. *U. S.*, 38 F. Supp. 269.

(D. C. N. J.) Pesci patent, No. 2,079,870, for print block, *Held* invalid. *Pesci* v. *F. A. Vieser & Son*, 38 F. Supp 232.

(D. C. Del.) Yoder patent, No. 2,117,389, for vacuum or siphon breaker, claim 8 *Held* invalid. *John B. Pierce Foundation* v. *Penberthy Injector Co.*, 38 F. Supp. 154.

(D. C. Calif.) Long patent, No. 2,207,322, for hanger for sliding doors, *Held* valid and infringed. *Long* v. *Dick*, 38 F. Supp. 214.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 2,195,799, F. A. Parsons, Backlash eliminator, decided May 26, 1941, claims 1, 2, 4, and 7.

Pat. 2,172,185, E. G. Bangratz, Mercury pool damping means, decided April 16, 1941, claims 1 and 2.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING MAY, 1941

EX PARTE ZOTOS CORPORATION, Serial Nos. 364,036, 364,037, and 364,040.

In a decision rendered May 2, 1941 (163 Ms. Dec. 744, 49 U. S. P. Q. 457), *First Assistant Commissioner Frazer* affirmed the decisions of the Examiner of Trade-Marks refusing to register the letters "M," "O," and "S," respectively, as trade-marks for "hair waving lotions"; which registrations were sought in three applications filed by the Zotos Corporation of New York, N. Y.

The ground of refusal to register relied upon by the Examiner in each case was that the mark presented functions merely as a grade mark.

The First Assistant Commissioner reached the conclusion that the three marks involved in the three appeals have not been used as technical trade-marks and that the Examiner was right in refusing registration. He stated:

"Applicant points out that the goods to which the three letters in question are respectively applied do not differ in grade or quality, and thus takes exception to the Examiner's characterization of the marks as grade marks. It clearly appears, however, that the letters are used by applicant to indicate various types of its product, all of which is sold under the registered trade-mark 'Zotos.' The labels filed in the three cases, 'showing the trade-mark as actually used by applicant upon the goods,' are substantially identical, save for the difference in these letters, and the information that the lotion marked 'M' is 'for waving coarse or easily waved hair'; the lotion marked 'O' is 'for waving hair that is extremely easy to wave'; and the lotion marked 'S' is 'for waving medium coarse hair.'

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"Applicant argues that because its letters have been arbitrarily selected, a different rule should apply than in cases where letters or numerals are used in sequence. The answer to that argument is to be found in *Coshocton Glove Co.* v. *Buckeye Glove Co.*, 24 C. C. P. A. 1338, 90 Fed.(2d) 660, relied upon by the Examiner, where the mark involved was entirely arbitrary in character, but was held nonregistrable to a party who had used it merely to designate a particular type of glove. Moreover, it is interesting to note that the Court of Customs and Patent Appeals there drew no distinction between marks used to indicate grade and those used to indicate type, style or model. And while the point was neither considered nor determined, I think the opinion lends support to my own view that in trade-mark law no such distinction exists."

EX PARTE HARRY J. TAYLOR, Serial No. 396,051.

In a decision rendered May 7, 1941 (163 Ms. Dec. 745, 49 U. S. P. Q. 458), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks in refusing to register under the provisions of the act of March 19, 1920, the notation "Lipstick Tissues" for goods described in the application as "booklets containing a plurality of sheets of thin, soft paper adapted for cleansing and similar purposes," the record more specifically showing that the booklets contain small sheets of facial tissue designed for use in removing rouge from the lips. Registration was applied for by Harry J. Taylor of New York, N. Y.

The First Assistant Commissioner noted that the applicant had disclaimed "the words 'Lipstick' and 'Tissues' apart from their association in the mark as shown." He stated:

"Disclaimers, however, are not permitted in registrations under the 1920 act; and even under the act of 1905 a disclaimer in the form here presented would not be accepted. *In re The Midy Laboratories, Inc.*, 26 C. C. P. A. 1294, 104 Fed.(2d) 617."

In agreeing with the Examiner that applicant's mark is not a trade-mark, the First Assistant Commissioner said:

"The Examiner was of the opinion that the words of applicant's mark are 'the most apt language to describe the goods.' Descriptiveness is of course no bar to registration under the act of 1920, provided the descriptive mark is capable of trade-mark significance. Applicant's mark, however, is merely the name of the goods; and would, I think, be so considered by purchasers."

EX PARTE SEARS, ROEBUCK AND CO., Serial No. 421,262.

In a decision rendered May 13, 1941 (163 Ms. Dec. 748, 49 U. S. P. Q. 507), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks in refusing registration to Sears, Roebuck and Co., of Chicago, Ill., of a trade-mark for shoes, described in the Examiner's statement on appeal as "the fanciful representation of a man's bust, below which is written 'Thriftily Yours Bob Burnham.'"

Registration was refused on the ground that the mark is dominated by the name "Bob Burnham," which the Examiner held to be nonregistrable because not distinctively displayed.

As noted by the First Assistant Commissioner, the Examiner in support of this view cited the decision in the case of *John Walker & Sons, Limited*, v. *W. & H. Walker, Inc.*, 470 O. G. 953, 30 U. S. P. Q. 375, where, according to the Examiner, "it was held that the name 'Tom Walker' lacked distinctive display because dissociated from the design feature."

The First Assistant Commissioner agreed with counsel for the applicant that the Examiner had misconstrued that decision. He said:

"There, as in the instant case, the fact that the name and the design were separated was one reason why the design could not be relied upon to lend distinctiveness of display to the name; but it does not necessarily follow that a more intimate association of the two features would have resulted in a different ruling as to registrability. The question still would have remained as to whether the name was 'written, printed, impressed, or woven in some particular or distinctive manner' within the meaning of the statute as construed by the courts; and its arrangement with respect to the design feature may or may not have answered that requirement, depending upon the manner of such arrangement. Certainly in that particular case the mere writing of the name 'across the fanciful figure' would not have sufficed."

The First Assistant Commissioner then referred to several decisions of the Court of Appeals of the District of Columbia and the Court of Customs and Patent Appeals as follows:

"In the case of *In re Artesian Manufacturing Co.*, 37 App. D. C. 113, and again in the case of *Oliver Chilled*

Plow Works v. *The Wm. J. Oliver Manufacturing Co.*, 40 App. D. C. 125, the Court of Appeals of the District of Columbia expressed its approval of the rule announced by the Commissioner of Patents in *Ex parte Polar Knitting Mills*, 154 O. G. 251, as follows:

"'It is believed that the controlling principle underlying the requirement of the statute that a mere name, unless written or printed in a distinctive manner, may not be registered, is that the distinctive manner in which the name is displayed must be of a character as to give such a distinct impression to the eye of the ordinary observer as to outweigh the significance of the mere name.'

"The Court of Customs and Patent Appeals has taken a somewhat more liberal view, as expressed in the case of *In re Nisley Shoe Co.*, 19 C. C. P. A. 1211, 58 Fed.(2d) 426. The court there said:

"'We are of the opinion that the proper construction of the words "particular or distinctive manner" in the proviso of section 5 referred to is that the word or words constituting the mark shall be written, printed, impressed or woven in such a manner as to form a distinct impression upon the eye of the observer, to the extent that he will remember such particular or distinctive form and rely upon it, in part at least, in ascribing origin of the goods to which the mark is applied.'"

The First Assistant Commissioner concluded that neither of these tests was met by the mark of the application at bar and that registration was properly refused.

He added:

"Counsel for applicant calls attention to a long list of registered marks, and marks published for registration, which he contends are equally objectionable. As to many of these marks I am constrained to agree with counsel. But while such errors and inconsistencies as those he points out are regrettable, they add nothing to the registrability of applicant's mark."

SEARS, ROEBUCK AND CO. v. SAM FLOMENHAFT, Opposition No. 18,736.

In a decision rendered May 13, 1941 (163 Ms. Dec. 746, 49 U. S. P. Q. 506), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition of Sears, Roebuck and Co., of Chicago, Ill., to the application of Sam Flomenhaft, of New York, N. Y., for registration of a trade-mark appropriated to goods described in the application as "French Angora and other yarns."

The First Assistant Commissioner noted that applicant's mark is essentially the notation "A·C·A," and that the opposition is predicated upon opposer's ownership of the trade-marks "ACE" and "A·C·E" for various items of merchandise, those most nearly related to applicant's goods being embroidery silk and cotton, crochet and knitting cotton, spool cotton, darning cotton, and machine thread.

The Examiner held the goods of the parties to be of the same descriptive properties and their marks to be confusingly similar. In agreeing with the Examiner, the First Assistant Commissioner stated:

"Applicant insists that both the goods and the marks are widely different, and 'that there would not be even the remotest possibility of confusion.'

"In support of applicant's argument it is pointed out that none of the articles sold by opposer are comparable to applicant's Angora yarn in texture, appearance, or price; and that opposer's goods are 'sold at retail through its own stores or by mail order through its catalogues,' while applicant sells 'to various jobbers at wholesale, and the stores handling applicant's goods would not handle the goods of the opposer.' These are all factors to be considered in determining whether or not the goods of the parties possess the same descriptive properties, but their consideration fails to convince me that the Examiner's ruling in that regard was erroneous. The question is not entirely free from doubt, but that doubt must be resolved in opposer's favor, as must also all doubts as to the likelihood of confusion between the trade-marks involved.

* * * * * * *

"Assuming, without deciding, that applicant's mark differs sufficiently from opposer's mark 'ACE' to insure against confusion, it must be remembered that opposer also uses the mark 'A·C·E,' and I am clearly of the opinion that those three letters and applicant's letters 'A·C·A' in similar arrangement constitute trade-marks that are too nearly alike to be concurrently used on merchandise of the same descriptive properties without likelihood of confusion."

LEONARD JAMES COMPANY v. MCKESSON & ROBBINS, INCORPORATED (WILLIAM J. WARDALL, TRUSTEE, SUBSTITUTED), Cancellation No. 3448.

In a decision rendered May 16, 1941 (163 Ms. Dec. 750, 49 U. S. P. Q. 567), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the petition of Leonard James Company, of San Saba, Tex., to cancel trade-mark registration No. 357,713, issued June 14, 1938, under the provisions of the act of February 20, 1905, to McKesson & Robbins, Incorporated. Appeal was taken by William J. Wardall of Fairfield, Conn., Trustee of the Estate of McKesson and Robbins, Inc., Debtor. The mark sought to be cancelled was the word "Brace," applied to goods described as

"tooth paste, hair and scalp preparations, powders and talcs for the face and skin, lotions for the skin and face, sunburn lotions and preparations, including antiseptic oils for sunburn."

The petition to cancel was predicated upon petitioner's ownership of the trade-mark "Bracine," registered March 27, 1934, for "an antiseptic liniment and veterinary liniment preparation."

In upholding the Examiner's decision, the First Assistant Commissioner stated:

"It appears from the evidence that petitioner's products to which its mark is applied are of two types; one for human use, and the other for the treatment of animals. These are sold as 'Bracine Junior' and 'Bracine Senior,' respectively. Respondent thus argues that in determining the question of confusing similarity, respondent's mark should be compared with those notations rather than with the single word 'Bracine.' The latter word, however, is petitioner's trade-mark as registered; and the words 'Junior' and 'Senior,' as used on petitioner's labels, are obviously grade marks. In any event I am clearly of the opinion that the marks of the parties are too nearly similar to be used concurrently on merchandise of the same descriptive properties without a reasonable likelihood of confusion.

"Nor do I entertain any doubt that the goods to which these marks are respectively applied, in part at least, possess the same descriptive properties within the meaning of the statute. Clearly this is true, for example, as to respondent's 'antiseptic oils for sunburn' and petitioner's 'antiseptic liniment' for human use. And the fact that respondent's registration may include additional items, of different descriptive properties, has no bearing on the issue here presented."

The First Assistant Commissioner noted that shortly after the institution of this cancellation proceeding McKesson and Robbins, Inc., filed a petition in the United States District Court for the Southern District of New York, under Chapter X of the Bankruptcy Act, and that Mr. Wardall was appointed trustee of the bankrupt estate. He also noted that in its order appointing the trustee, the court enjoined all persons

"from instituting, continuing, or prosecuting any action at law or suit or proceeding in equity or any other proceeding against McKesson and Robbins, Incorporated,"

and that based upon that order a motion was made by respondent and granted by the Examiner of Interferences that proceedings in the cancellation proceeding be suspended. He further noted that, over respondent's objection, proceedings later were resumed; testimony was taken by petitioner; the matter went to final hearing; and the decision under review by him was rendered. The Examiner's action in resuming proceedings being assigned as error, respondent taking the position that such action was "in direct violation of the order of the United States district court," the First Assistant Commissioner had the following to say:

"I find it unnecessary to pass upon the question thus presented, because I do not think it is properly before me. It is my opinion that respondent's remedy, if he desired a review of the Examiner's action in that regard, was to petition the Commissioner immediately after the action was taken, rather than to wait as he did until the case had been heard and decided. The point does not go to the merits of the controversy, and is not even mentioned in the Examiner's decision. At this stage of the proceeding I must decline to consider it."

GARRETT & COMPANY, INCORPORATED v. JULIA C. GRAY, Opposition No. 20,061.

In a decision rendered May 19, 1941 (163 Ms. Dec. 752, 49 U. S. P. Q. 569), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences dismissing the opposition of Garrett & Company, Inc., of Pen Yan, N. Y., to the application of Julia C. Gray, of Washington, D. C., for registration of the notation "Virginia Dare" as a trade-mark for dolls. In the notice of opposition opposer pleaded its ownership and long prior use of substantially the same trade-mark for wines. The opposition was dismissed, on applicant's motion, on the ground that the goods of the parties are of different descriptive properties.

Before the First Assistant Commissioner the opposer argued that registration of the mark "Virginia Dare" for dolls would necessarily cause confusion and mislead the public generally into believing that applicant's product is manufactured or sponsored by or associated with opposer. In response to this argument the First Assistant Commissioner said:

"Be that as it may, such damage as opposer apprehends by reason of applicant's proposed registration is not of the character contemplated by the statute. As was observed by the Court of Customs and Patent Appeals in *General Mills, Inc.*, v. *Freed*, 24 C. C. P. A. 1171, 89 F.(2d) 604:

"'It is clear from the provisions of section 5 of the Trade-Mark Act of February 20, 1905, that if the marks closely resemble one another, or even if they are identical, confusion in trade will not be likely to result in a statutory sense, unless the goods of the parties possess the same descriptive properties.'

"See also *American Steel Foundries v. Robertson*, 269 U. S. 372, where the Supreme Court said:

"'The mere fact that one person has adopted and used a trade-mark on his goods does not prevent the adoption and use of the same trade-mark by others on articles of a different description. There is no property in a trade-mark apart from the business or trade in connection with which it is employed.'"

EX PARTE ARIDYE CORPORATION, Serial No. 416,396.

In a decision rendered May 20, 1941 (163 Ms. Dec. 755, 49 U. S. P. Q. 615), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks in refusing to register under the provisions of the act of February 20, 1905, to Aridye Corporation, of Fair Lawn, N. J., the notation "Aquadye," as a trade-mark for "textile printing pastes and textile printing colors." The Examiner refused registration on the ground that the mark is descriptive of the goods.

The First Assistant Commissioner quoted the following portion of the appellant's brief as a fair and correct statement of the pertinent facts:

"The trade-mark which applicant is seeking to have registered consists of a combination of the word 'Aqua' and the word 'dye.' According to Webster's Collegiate Dictionary, Fifth Edition, the first word means 'water,' and is used in pharmacy in the sense of 'liquid' or 'solution'; and the second word means either the color or material produced by or used for dyeing, or the act of staining or coloring by impregnating a substance with a coloring agent.

"The combined word 'Aquadye' sought to be registered is used by the applicant as a trade-mark for textile printing pastes and textile printing colors. The materials on which the mark is actually used consist of emulsions of a lacquer and a water solution of a dyestuff or a dyestuff component. However, such materials are not water dyes, and are neither watery nor liquid in their nature. On the contrary, they are somewhat greasy color pastes having the consistency of ordinary cold cream or mayonnaise and a characteristic solvent odor."

In reaching the conclusion that registration properly was refused, the First Assistant Commissioner said:

"It thus appears that applicant's product includes as ingredients both water and a dyestuff, and that the mark merely names those ingredients. Moreover, while applicant's product is not truly a water dye, it seems obvious, and is conceded by counsel, that the mark is 'descriptive of an ordinary water dye used for household purposes.' As such a dye is manifestly of the same descriptive properties as applicant's goods, it follows that the proposed registration would give applicant the prima facie right to prevent the use by others of words which are descriptive of their goods, and which they have the undoubted right to employ in connection therewith."

EX PARTE LANGENDORF UNITED BAKERIES, INC., Serial No. 424,325.

In a decision rendered May 23, 1941 (163 Ms. Dec. 758, U. S. P. Q. 617), *First Assistant Commissioner Frazer* denied a petition by Langendorf United Bakeries, Inc., of San Francisco, Calif., an applicant for registration of a composite trade-mark for "baked bread, cake, and toast," that

"instructions be issued to the Examiner of Trade-Marks to vacate his holding that 'specimens showing the mark as presented in the drawing and used on each of the goods be filed.'"

The First Assistant Commissioner noted that with the application specimens were filed showing the mark as used on bread only; and in accordance with the practice explained in *Ex parte Sher*, 197 O. G. 239, the Examiner required additional specimens showing the mark as used on cake and toast.

He also noted that in compliance with that requirement certain specimens were filed; but those claimed to be used for toast were held by the Examiner to present a trade-mark different from the mark disclosed in the drawing of the application, and upon that ground the Examiner refused registration.

In denying the petition, the First Assistant Commissioner stated:

"*Ex parte Sher*, * * * affords ample authority for the Examiner's requirement, and also for his refusal to grant the proposed registration. The Commissioner there said:

"'If applicant is actually using the mark on all the goods named, it is no hardship that he be required to furnish the labels. If he is not using it on these goods,

then under the act itself he is not entitled to register a mark for such goods as he is not using it on.'

"That statement is equally applicable in the instant proceeding, and is so obviously sound as to require no elaboration."

EX PARTE C. W. MARKS SHOE CO., Serial No. 421,856.

In a decision rendered May 23, 1941 (163 Ms. Dec. 757, 49 U. S. P. Q. 617), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks in refusing registration to C. W. Marks Shoe Co., of Chicago, Ill., of the notation "Lady Chesterfield" as a trade-mark for shoes.

The Examiner refused registration on the ground that applicant's mark is the name of an individual not distinctively displayed.

In disposing of the several points raised by the applicant on appeal, the First Assistant Commissioner said:

"Counsel points out that 'Chesterfield' is not a surname in common use; and that in any event the word is not 'merely' the name of an individual, because it also means a particular type of overcoat. Applicant's mark, however, is not 'Chesterfield,' but 'Lady Chesterfield'; and it seems to me that the combination precludes any other significance than that of a name. Nor is it material that the name is not in common use, for as was observed by the Court of Customs and Patent Appeals in the case of *In re Nisley Shoe Co.*, 19 C. C. P. A. 1211, 58 F.(2d) 426, 'the statute makes no exception in the case of uncommon or rare names.'

"Counsel urges that the mark is nevertheless registrable, because it is 'the name of a deceased person who achieved fame and distinction,' and cites Shoemaker on Trade-Marks as authority for the proposition that names of that character are entitled to registration. Assuming, arguendo, the soundness of such doctrine, I am unable to apply it here in the absence of proof that the late lady in question qualifies thereunder.

"Finally counsel seems to feel that because applicant found it necessary to institute cancellation proceedings in order to overcome a reference cited by the Examiner, thereby incurring trouble and expense, it is unfair to applicant to refuse the proposed registration on the alternative ground here under review. The record discloses, however, that both grounds of rejection were included in the Examiner's first action, and that he has at no time intimated that a withdrawal of the reference would result in registration of applicant's mark."

E. I. DU PONT DE NEMOURS & COMPANY *v.* WEBSTER-WALSH COMPANY (KOLENE CORPORATION, ASSIGNEE, SUBSTITUTED), Opposition No. 19,125.

In a decision rendered May 23, 1941 (163 Ms. Dec. 756, 49 U. S. P. Q. 618), *First Assistant Commissioner Frazer* affirmed the decision of the Examiner of Trade-Mark Interferences sustaining the opposition of E. I. du Pont de Nemours & Company, of Wilmington, Del., to the application of Webster-Walsh Company, of Detroit, Mich., for registration of the word "Kolene" as a trade-mark for goods described in the application as "cleaning solvent for use as a dry cleaning preparation for fabrics." The applicant claimed use since January 5, 1939. The opposer relied upon its ownership of the trade-mark "Cecolene," registered June 2, 1931, for "solvents for removing oleaginous substances and grease."

In affirming the decision of the Examiner, the First Assistant Commissioner stated:

"It appears from the testimony that opposer's product is employed primarily in the degreasing of metals, but is also suitable for cleaning fabrics and is probably used to some extent for the latter purpose. In any event the description of goods in opposer's registration is broad enough to include dry cleaning solvents, so that for the purpose of this proceeding the goods of the parties may be considered as substantially identical.

"As applied to such goods, I am clearly of the opinion that the two marks 'Cecolene' and 'Kolene' are so nearly similar, particularly in sound, as to be reasonably likely to cause confusion."

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 24, 1941

[VOL. 527. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 429,760. BARIUM AND CHEMICALS, INC., Willoughby, Ohio. Filed Mar. 20, 1940.

USITE

FOR MIXTURE OF ARGILLACEOUS AND CARBONACEOUS MATERIALS FOR BLANKETING AND INSULATING PURPOSES IN THE SINK HEADS OF INGOT MOLDS.

Claims use since Apr. 7, 1939.

Ser. No. 440,717. FLORIDIN COMPANY, Warren, Pa. Filed Feb. 17, 1941.

FLORITE

FOR ADSORBENTS PREPARED FROM NATURAL EARTH.

Claims use since December, 1939.

Ser. No. 440,718. FLORIDIN COMPANY, Warren, Pa. Filed Feb. 17, 1941.

HI-FLORITE

FOR ADSORBENTS PREPARED FROM NATURAL EARTH.

Claims use since December, 1939.

Ser. No. 442,175. THE KEARNS COAL COMPANY, Cincinnati, Ohio. Filed Apr. 1, 1941.

Rio Red Ash

The words "Red Ash" are disclaimed apart from the mark.

FOR COAL.

Claims use since Aug. 9, 1939.

Ser. No. 442,376. TRUAX-TRAER COAL COMPANY, Chicago, Ill. Filed Apr. 7, 1941.

Fyr-Dor Lump

TAILORED TO FIT YOUR HEATING UNIT

The words "Lump" and "Tailored To Fit Your Heating Unit" are disclaimed apart from the mark.

FOR COAL.

Claims use since Apr. 25, 1940.

Ser. No. 442,829. EASTMAN KODAK COMPANY, Jersey City, N. J. and Rochester, N. Y. Filed Apr. 22, 1941.

KODAK

FOR CHAMOIS.

Claims use since Feb. 15, 1940.

Ser. No. 443,046. THE MAUMEE COLLIERIES COMPANY. Terre Haute, Ind. Filed Apr. 28, 1941.

SIOUX

FOR COAL.

Claims use since Mar. 7, 1941.

Ser. No. 443,084. GEORGIA KAOLIN COMPANY, Elizabeth, N. J. Filed Apr. 29, 1941.

VELVACAST

FOR CLAY USED IN THE BODY COMPOSITION OF CERAMIC WARE.

Claims use since Mar. 1, 1941.

CLASS 2

RECEPTACLES

Ser. No. 442,635. PAPER PACKAGE COMPANY, Indianapolis, Ind. Filed Apr. 16, 1941.

SIM-PAC

The word "Pac" is disclaimed apart from the mark.
FOR BOTH SET UP AND FOLDING BOXES MADE OF PAPER, CARDBOARD, SOLID FIBRE BOARD, CORRUGATED BOARD, CELLULOSE, ACETATE, OR OTHER TRANSPARENT MATERIALS, SOLD IN TRADE EMPTY.
Claims use since Apr. 14, 1941.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 442,846. GUILD OF PRESCRIPTION OPTICIANS OF AMERICA, INC., Philadelphia, Pa. Filed Apr. 22, 1941.

Guildcraft

FOR LENS CLEANING FLUID.
Claims use since Dec. 14, 1937.

Ser. No. 442,915. LEOPOLDINE NOTTEBAUM, Newark, N. J. Filed Apr. 24, 1941.

NOXON

FOR CLEANER AND POLISH FOR METALS, GLASS, AND PORCELAIN.
Claims use since Oct. 3, 1912.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 429,759. BARIUM AND CHEMICALS, INC., Willoughby, Ohio. Filed Mar. 20, 1940.

BARIUM X A

The word "Barium" is disclaimed apart from the mark.
FOR COMPOSITION EMPLOYED IN THE CONDITIONING OF STEEL AND COMPRISING A REDUCING AGENT AND A COMPOUND OF ONE OR MORE MEMBERS OF THE GROUP INCLUDING THE ALKALI AND ALKALINE EARTH AND MAGNESIUM FOR THE PURPOSE OF REMOVING GASEOUS AND NORMALLY SOLID INCLUSIONS FROM STEEL BY ADDITION TO THE LATTER WHILE IT IS IN A MOLTEN CONDITION.
Claims use since Aug. 1, 1939.

Ser. No. 440,009. KEENE'S LABORATORIES LIMITED, London, England. Filed Jan. 27, 1941.

PEROX-CHLOR

FOR TOILET PREPARATIONS FOR THE HANDS AND NAILS.
Claims use since Jan. 1, 1930.

Ser. No. 441,077. RAYMOND W. APPLETON, doing business as Parker-Bouldin Company, Saint Paul, Minn. Filed Feb. 28, 1941.



FOR COSMETICS—NAMELY, BATH SALTS, SCALP LOTION, HAIR OIL, AFTER SHAVING POWDER, COCOANUT OIL SOAP SHAMPOO, COLOGNE, PINE TAR SOAP SHAMPOO, HAIR AND SCALP CREAM, AFTER SHAVING LOTION, HAND LOTION, AND DEODORIZING PADS.
Claims use since Feb. 4, 1935.

Ser. No. 441,331. WEBSTER L. SOHL, New York, N. Y. Filed Mar. 7, 1941.

Solpho-Lethen

FOR PHARMACEUTICAL PRODUCTS—NAMELY, A LAXATIVE.
Claims use since Feb. 1, 1941.

Ser. No. 443,184. CHLORINE SOLUTIONS, INC., Los Angeles, Calif. Filed May 2, 1941.

WHITE CAP



FOR BLEACHING FLUID.
Claims use since May 1, 1930.

Ser. No. 443,263. PETROLITE CORPORATION, LTD., Webster Groves, Mo. Filed May 5, 1941.

KONTOL

FOR CHEMICAL COMPOUNDS AND SOLUTIONS FOR THE TREATMENT AND REFINING OF PETROLEUM.
Claims use since Apr. 16, 1937.

Ser. No. 443,534. THE EXPELLO CORPORATION, Dover, N. H. Filed May 13, 1941.

SPRIG

FOR LIQUID PERFUME FOR GENERAL USE EXCEPT UPON THE PERSON.
Claims use since May 3, 1941.

Ser. No. 443,561. ENDO PRODUCTS, INC., New York, N. Y. Filed May 14, 1941.

TEPRIN

FOR PREPARATION CONSISTING OF AN ANTI-ASTHMATIC TABLET.
Claims use since May 1, 1941.

Ser. No. 443,571. LENTHERIC, INCORPORATED, New York, N. Y. Filed May 14, 1941.

BANDBOX

FOR PERFUMES, TOILET WATERS, AND COSMETIC CREAMS.
Claims use since May 5, 1941.

Ser. No. 443,572. LENTHERIC, INCORPORATED, New York, N. Y. Filed May 14, 1941.

DITTY BOX

FOR PERFUMES, TOILET WATERS, AND COSMETIC CREAMS.
Claims use since May 5, 1941.

Ser. No. 443,616. PARFUMS CHARBERT, INC., New York, N. Y. Filed May 15, 1941.

"FABULOUS"

FOR PERFUMES, TOILET WATERS, SACHETS, EAU DE COLOGNES, TALCUM POWDERS, FACE POWDER, BATH POWDER, FACE CREAMS, AND CLEANSING CREAMS.
Claims use since Apr. 28, 1941.

Ser. No. 443,645. SCOTT & BOWNE, Bloomfield, N. J. Filed May 16, 1941.

CALBERON

The word "Wafers" is disclaimed apart from the mark.
FOR THE PROPHYLAXIS OF NUTRITIONAL DISORDERS DUE TO DEFICIENCIES OF CALCIUM, PHOSPHORUS, IRON, AND VITAMIN B_1.
Claims use since Apr. 4, 1941.

Ser. No. 443,646. SCOTT & BOWNE, Bloomfield, N. J. Filed May 16, 1941.

CALBERON

FOR THE PROPHYLAXIS OF NUTRITIONAL DISORDERS DUE TO DEFICIENCIES OF CALCIUM, PHOSPHORUS, IRON, AND VITAMIN B_1.
Claims use since Apr. 4, 1941.

CLASS 7

CORDAGE

Ser. No. 433,280. LA CORDELERIA DE "SAN JUAN", S. A., Merida, Mexico. Filed June 22, 1940.



FOR BINDER TWINE AND CORD MADE OF SISAL FIBER.
Claims use since Apr. 15, 1932.

Ser. No. 433,281. LA CORDELERIA DE "SAN JUAN", S. A., Merida, Mexico. Filed June 22, 1940.

SILVER CROWN

FOR CORD AND ROPE MADE OF SISAL FIBER AND/OR HEMP FIBER.
Claims use since Apr. 15, 1932.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 443,119. ECUSTA PAPER CORPORATION, Pisgah Forest, N. C. Filed Apr. 30, 1941.

ECUSTA
SCIENCE
ECUSTA

FOR CIGARETTE PAPER.
Claims use since Apr. 8, 1941.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 438,035. CALIFORNIA TEXAS OIL COMPANY, LIMITED, New York, N. Y. Filed Nov. 19, 1940.

CALTEX

The drawing is lined for red.
FOR ASPHALTIC PRODUCTS—NAMELY, PAVING CEMENT AND PETROLEUM ASPHALT.
Claims use since March, 1937.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 437,268. CLARENCE G. CARLSON, Oakland, Calif. Filed Oct. 25, 1940.

FOR CHILDREN'S TRAINING TOILET SEATS.
Claims use since Apr. 1, 1930.

Ser. No. 442,325. LUDWIG MFG. CO., INC., Racine Wis. Filed Apr. 5, 1941.

HOLDEX

FOR HOLDERS FOR GLASS COFFEE MAKERS.
Claims use since June 1, 1939.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 441,494. SWEDISH STEEL MILLS' A. A., INC., New York, N. Y. Filed Mar. 12, 1941.

MIRYCAL

FOR STEELS USED FOR TOOLS.
Claims use since 1930.

CLASS 15

OILS AND GREASES

Ser. No. 431,740. ROOSEVELT OIL COMPANY, Mount Pleasant, Mich. Filed May 9, 1940.

ROC

FOR PETROLEUM AND PRODUCTS OF PETROLEUM WITH OR WITHOUT ADMIXTURE OF OTHER MATERIALS, FOR ILLUMINATING, HEATING, POWER GENERATING, BURNING, LUBRICATING, GREASING, TEMPERING, QUENCHING, SLUSHING, AND FLUSHING; PARAFFINE; ROAD-DRESSING OIL; MINERAL WAX; CANDLES; ABSORBING OIL FOR BENZOL VAPORS OBTAINED IN THE DISTILLATION OF COAL; NAPHTHA; KEROSENE; PETROLEUM DISTILLATE FOR ENGINE FUEL; BENZINE; GASOLINE.
Claims use since Mar. 15, 1940.

Ser. No. 442,649. THE CANFIELD OIL COMPANY, Cleveland, Ohio. Filed Apr. 17, 1941.

VIGORIZED

FOR MOTOR OIL.
Claims use since Mar. 27, 1941.

Ser. No. 442,808. SUNSET OIL COMPANY, Los Angeles, Calif. Filed Apr. 21, 1941.

AIR-KING

FOR PETROLEUM PRODUCTS—NAMELY, GASOLINE.
Claims use since Apr. 7, 1941.

Ser. No. 442,809. SUNSET OIL COMPANY, Los Angeles, Calif. Filed Apr. 21, 1941.

SQUADRON

FOR PETROLEUM PRODUCTS—NAMELY, GASOLINE.
Claims use since Apr. 3, 1941.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 429,887. E. RABINOWE & CO. INC., Yonkers, N. Y. Filed Mar. 23, 1940.

ERCOSOL

FOR ALCOHOL SOLVENT SOLD FOR USE IN PAINTS.
Claims use since 1929.

Ser. No. 436,001. CANDY AND COMPANY, INC., Chicago, Ill. Filed Sept. 16, 1940.

"DUXBAK"

FOR POLISHING WAX COMPOUND.
Claims use since Sept. 7, 1940.

Ser. No. 441,883. FRED'K. A. STRESEN-REUTER, INCORPORATED, Chicago, Ill. Filed Mar. 24, 1941.

METASOL

FOR LIQUID, PASTE, AND SOLID METALLIC SOAPS USED AS A DRIER IN THE MANUFACTURE OF PAINTS, PAINT OILS, AND VARNISHES.
Claims use since Jan. 1, 1938.

Ser. No. 442,127. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill. Filed Mar. 31, 1941.

BROADCAST

FOR PAINT ENAMEL.
Claims use since Feb. 4, 1941.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 441,588. OWL SHOP, New Haven, Conn. Filed Mar. 15, 1941.

HARKNESS TOWER

The word "Harkness" is disclaimed apart from the mark.
FOR SMOKING TOBACCO AND CIGARS.
Claims use since Mar. 1, 1938.

CLASS 19

VEHICLES, NOT INCLUDING ENGINES

Ser. No. 412,340. HOOF PRODUCTS COMPANY, Chicago, Ill. Filed Nov. 3, 1938.

BRAKE EYES

No claim is made to the word "Brake" apart from the mark.
FOR SAFETY LOCKOUT VALVE AND WARNING SIGNAL UNITS FOR HYDRAULIC BRAKES.
Claims use since Sept. 15, 1938.

Ser. No. 442,363. J. CLINTON MEUNIER, doing business as Trimline Manufacturing Co., Kansas City, Mo. Filed Apr. 7, 1941.

TRIMLINE

FOR FABRIC AUTOMOBILE ACCESSORIES IN THE NATURE OF SEAT COVERS, PASSENGER COMPARTMENT PROTECTIVE COVERINGS, AND RADIATOR COVERS.
Claims use since Apr. 5, 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 438,253. WARREN LAMP COMPANY, Warren, Pa. Filed Nov. 26, 1940.

SOLAR XXW-XXXV

Applicant disclaims the indicia XXW—XXXV.
FOR ELECTRIC INCANDESCENT LAMPS, ELECTRIC FLUORESCENT LAMPS, AND ELECTRIC FUSES.
Claims use since July, 1936.

Ser. No. 440,339. NEW YORK SPECIALTIES SUPPLY CO., INC., New York, N. Y. Filed Feb. 5, 1941.

NYSSCO

FOR ELECTRICAL ACCESSORIES, APPARATUS, APPLIANCES, AND SUPPLIES—NAMELY, BULBS, RECTIFIERS, CONTACTS, FUSES, SILVER POINTS, EXTENSION CORDS, BURGLAR ALARMS, TIMERS, BULB SOCKETS, PLUGS, SOCKETS, ROTARY CONVERTERS, FUSETRONS, SPEAKERS, FUSESTATS, MICROPHONES, RADIO TUBES, LAMPS AND CONTACT KITS CONTAINING ELECTRICAL AND MECHANICAL PARTS FOR THE REPAIR OF ELECTRICAL COIN OPERATED MACHINES.
Claims use since July 1, 1940.

Ser. No. 441,753. THE WADSWORTH ELECTRIC MFG. CO., INC., Covington, Ky. Filed Mar. 20, 1941.

FOR ELECTRIC SWITCHES, ELECTRIC FUSE BOXES AND COMBINED SWITCH AND FUSE BLOCK STRUCTURES, ELECTRIC WIRING TROUGHS, ELECTRIC METER ENCLOSURES, PANEL BOARDS BOTH FUSIBLE AND CIRCUIT BREAKER TYPE, CHANNELS FOR ELECTRIC WIRING, ELECTRIC CIRCUIT BREAKERS, ELECTRIC TIME SWITCHES, ELECTRIC MOTOR STARTERS, AND ELECTRIC CONNECTORS AND TERMINALS.
Claims use since Jan. 20, 1941.

Ser. No. 442,745. DAY-BRITE LIGHTING, INC., St. Louis, Mo. Filed Apr. 19, 1941.

KINGSWAY

FOR ELECTRIC LIGHTING FIXTURES, PARTICULARLY FLUORESCENT COMMERCIAL FIXTURES.
Claims use since Feb. 21, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 443,209. SPOTSWOOD SPECIALTY COMPANY, Lexington, Ky. Filed May 2, 1941.

SEE-UP-DIVE BOMBER

FOR RUBBER-TIPPED DARTS IN THE FORM OR SHAPE OF A MINIATURE AIRPLANE.
Claims use since Dec. 10, 1940.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 431,705. NATIONAL AUTOMOTIVE PARTS ASSOCIATION, Detroit, Mich. Filed May 8, 1940.

N·A·P·A
National Automotive Parts Association
Assurance of Quality

No claim is made to the outline map of the United States or to the words "Assurance of Quality" apart from the mark.
FOR AUTOMOTIVE GEARS INCLUDING DRIVE GEARS AND PINIONS, FLYWHEEL GEARS, TRANSMISSION GEARS, METAL AND NON-METAL TIMING GEARS, OIL PUMP AND IGNITER GEARS, GEAR ADJUSTMENT SHIMS, AUTOMOTIVE AXLE SHAFTS; AUTOMOTIVE TRANSMISSIONS INCLUDING TRANSMISSION SHAFTS AND TRANSMISSION PARTS; UNIVERSAL JOINTS INCLUDING UNIVERSAL JOINT DISCS; AUTOMOTIVE CLUTCHES INCLUDING CLUTCH PLATES, PRESSURE PLATES, CLUTCH FORKS, CLUTCH PARTS, BOLTS AND BUSHINGS AND CLUTCH REBUILDING MACHINES, AUTOMOTIVE PUMPS INCLUDING OIL PUMPS, FUEL PUMPS, VACUUM PUMPS, WATER PUMPS, PUMP PARTS, AND PUMP DISCS; AUTOMOTIVE VALVES INCLUDING VALVE GUIDES, VALVE SPRINGS, VALVE STEM KEYS AND WASHERS, VALVE SEAT INSERTS; AUTOMOTIVE TIMING CHAINS, AUTOMOTIVE MUFFLERS INCLUDING EXHAUST AND TAIL PIPES, AUTOMOTIVE BEARINGS INCLUDING ROLLER BEARINGS, MOTOR BEARINGS, ANNULAR BALL BEARINGS SINGLE AND DOUBLE ROW, ANGULAR CONTACT AND SELF-ALIGNING BEARINGS, FRONT WHEEL BEARINGS, CLUTCH THROW-OUT BEARINGS, MAGNETO BEARINGS, AIRCRAFT BEARINGS, AUTOMOTIVE DIFFERENTIAL CASES AND PARTS, AUTOMOTIVE BUSHINGS INCLUDING PISTON PIN AND BOSS BUSHINGS, CYLINDER SLEEVES, AUTOMOTIVE PISTONS INCLUDING PISTON PINS, PIN LOCKS, WRENCHES INCLUDING SOCKET, OPEN END, BOX END WRENCHES, SOCKET WRENCH END ATTACHMENTS, EXTENSION HANDLES FOR WRENCHES AND RATCHET HANDLES FOR WRENCHES, SCREW DRIVERS, HAMMERS, PLIERS, CHISELS, AND PUNCHES; AUTOMOTIVE VACUUM FANS.
Claims use since Apr. 1, 1940.

Ser. No. 440,815. HAUSE VALVE COMPANY, Wichita, Kans., and Montpelier, Ohio. Filed Feb. 20, 1941.

UNI-HONED

The word "Honed" is disclaimed apart from the mark.
FOR PUMPS.
Claims use since May, 1940.

Ser. No. 440,955. PYRENE MANUFACTURING COMPANY, Newark, N. J. Filed Feb. 24, 1941.

CAPITOL

FOR HAND-OPERATED PORTABLE FIRE EXTINGUISHERS.
Claims use since Jan. 31, 1941.

Ser. No. 442,747. DEFIANCE MACHINE WORKS, INC., Toledo, Ohio. Filed Apr. 19, 1941.

MW

FOR METAL-WORKING MACHINERY—VIZ., BORING MILLS, DRILLING MACHINES, STAMPING MACHINES, AND MACHINES FOR PLANING, SLOTTING, SHAPING, PUNCHING, AND SHEARING METALS AND PARTS OF SUCH MACHINES.
Claims use since Oct. 9, 1939.

Ser. No. 442,770. AMERICAN SUPERCRAFT CORPORATION, Chicago, Ill. Filed Apr. 21, 1941.

SUPERCRAFT

FOR ELECTRICALLY OPERATED SHAVING DEVICES.
Claims use since Sept. 23, 1939.

Ser. No. 442,775. AUTOSTROP SALES COMPANY, INC., Boston, Mass. Filed Apr. 21, 1941.

TROPHY

FOR SAFETY RAZORS.
Claims use since Apr. 10, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 440,759. GEORGE SCHERR COMPANY, New York, N. Y. Filed Feb. 18, 1941.

ULTRA CHEX

The suffix "Chex" is disclaimed apart from the mark.
FOR PRECISION LENGTH STANDARDS.
Claims use since July 1, 1939.

Ser. No. 441,665. BOL, LTD., New York, N. Y. Filed Mar. 18, 1941.

BOL

FOR CINEMATOGRAPHIC AND PHOTOGRAPHIC APPARATUS AND ACCESSORIES THERETO.
Claims use since Feb. 22, 1941.

Ser. No. 441,666. BOL, LTD., New York, N. Y. Filed Mar. 18, 1941.

BOLCAFLEX

FOR CINEMATOGRAPHIC AND PHOTOGRAPHIC APPARATUS AND ACCESSORIES THERETO.
Claims use since Feb. 22, 1941.

Ser. No. 441,667. BOL, LTD., New York, N. Y. Filed Mar. 18, 1941.

BOOL

FOR CINEMATOGRAPHIC AND PHOTOGRAPHIC APPARATUS AND ACCESSORIES THERETO.
Claims use since Feb. 22, 1941.

Ser. No. 441,765. DEERE & COMPANY, Moline, Ill. Filed Mar. 21, 1941.

CentAcreMeter

The word "Meter" is disclaimed apart from the mark. The drawing is lined for yellow.
FOR TRACTOR FUEL CONSUMPTION METERS.
Claims use since June 1, 1940.

Ser. No. 442,836. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Apr. 22, 1941.

DUEX

FOR PHOTOGRAPHIC CAMERAS.
Claims use since June 4, 1940.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 442,606. HERMAN SCHAFRAN, doing business as Cosmopolitan Watch Material Importing Co., New York, N. Y. Filed Apr. 15, 1941.

COSMO

FOR MAIN SPRINGS FOR WATCHES.
Claims use since July 15, 1937.

Ser. No. 443,106. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Apr. 30, 1941.

SLIM

FOR WATCHES—NAMELY, WRIST OR STRAP WATCHES.
Claims use since Feb. 20, 1940.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 442,146. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Mar. 31, 1941.

ROLLATOR

FOR TOOTHBRUSHES.
Claims use since Aug. 29, 1939.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 418,852. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 28, 1939.

PRESTO-LUX

FOR COOKING RANGES EMPLOYING LIQUID FUEL.
Claims use since Feb. 11, 1938.

Ser. No. 428,613. ELECTRIC STEAM RADIATOR CORPORATION, Detroit, Mich. Filed Feb. 16, 1940.

Electresteem

FOR ROOM HEATING RADIATORS.
Claims use since July, 1929.

Ser. No. 442,159. BAKER-FLEMING FARM GAS COMPANY, Lockney, Tex. Filed Apr. 1, 1941.

FLASH-O-GAS

No claim is made to the word "Gas" apart from the mark.
FOR APPARATUS FOR DISPENSING LIQUEFIED PETROLEUM GAS FOR LIGHTING, HEATING, AND POWER PURPOSES, EMBODYING A PRESSURE STORAGE TANK FOR VOLATILE LIQUEFIED GASES, SUCH AS BUTANE AND PROPANE, AND ASSOCIATED DISPENSING APPURTENANCES FOR CONTROLLING AND DELIVERING GAS FROM THE TANK.
Claims use since July 12, 1939.

Ser. No. 442,428. THE PETERSEN OVEN COMPANY, Chicago, Ill. Filed Apr. 9, 1941.

EC-TRI-FLEX

FOR BAKING OVENS.
Claims use since Feb. 5, 1938.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 442,974. RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed Apr. 25, 1941.

Grey-Rock
FLEX-HOZ

Applicant disclaims the word "Hoz" apart from the mark.
FOR RADIATOR HOSE.
Claims use since Apr. 1, 1941.

Ser. No. 443,133. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Filed Apr. 30, 1941.

AMERICAN ACE

No claim is made to the word "American" apart from the mark.
FOR RUBBER AND RUBBER CONTAINING PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.
Claims use since Apr. 8, 1941.

Ser. No. 443,361. W. T. GRANT COMPANY, New York, N. Y. Filed May 8, 1941.

WEARITE

FOR GARDEN HOSE.
Claims use since Apr. 17, 1941.

Ser. No. 443,642. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Filed May 16, 1941.

QUAKER

FOR RUBBER AND RUBBER CONTAINING PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.
Claims use since Feb. 25, 1941.

CLASS 37

PAPER AND STATIONERY

Ser. No. 442,645. VISTEM CORPORATION, New York, N. Y. Filed Apr. 16, 1941.

VIStem

FOR INDEXING CARDS.
Claims use since Feb. 1, 1941.

Ser. No. 442,667. MINNESOTA AND ONTARIO PAPER COMPANY, Minneapolis and International Falls, Minn. Filed Apr. 17, 1941.

NESOTA

FOR PRINTING PAPER, WRITING PAPER, BOOK PAPER, AND NEWSPRINT PAPER.
Claims use since Mar. 31, 1941.

Ser. No. 442,834. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y. Filed Apr. 22, 1941.

KODAK

FOR LENS CLEANING PAPER.
Claims use since Oct. 1, 1940.

Ser. No. 443,023. TRANSOGRAPH CORPORATION, New York, N. Y. Filed Apr. 26, 1941.

Trytak

FOR LAMINATED ADHESIVE MOUNTING SHEETS.
Claims use since Apr. 1, 1941.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 441,232. COLORTECK, INC., New York, N. Y. Filed Mar. 5, 1941.

Colorteck

FOR NATURAL COLOR PHOTOGRAPHS.
Claims use since Feb. 15, 1940.

Ser. No. 441,263. SPONSOR COMPANY, Washington, D. C. Filed Mar. 5, 1941.

Sponsor

FOR MONTHLY PERIODICAL IN THE NATURE OF A TRADE MAGAZINE PRINCIPALLY FOR BUYERS AND SELLERS OF RADIO TIME AND CONTAINING ADVERTISING, NEWS, AND COMMENTS ON RADIO BROADCASTING.
Claims use since Feb. 26, 1941.

Ser. No. 441,960. LEO GREENWALD, doing business as Champ Publishing Company, New York, N. Y. Filed Mar. 26, 1941.

Champ
COMICS

Applicant disclaims the word "Comics" except as shown.
FOR PERIODICAL PUBLICATION.
Claims use since Aug. 15, 1940.

Ser. No. 441,968. DOROTHY KILGALLEN, New York, N. Y. Filed Mar. 26, 1941.

The Voice of
Broadway

FOR NEWSPAPER COLUMN.
Claims use since Nov. 11, 1938.

Ser. No. 442,244. WILBUR RANDALL, doing business as The Randall Company, Hartford, Conn. Filed Apr. 3, 1941.



FOR PRINTED CARDS, PRINTED BOOKLETS, AND PRINTED ADVERTISING MATTER SOLD TO THE GAS INDUSTRY AS SUCH.
Claims use since Feb. 24, 1941.

Ser. No. 442,694. JOHN B. FERRIS PUBLISHING CORPORATION, New York, N. Y. Filed Apr. 18, 1941.

Smart

A pictorial digest for modern women

The words "Pictorial Digest for Modern Women" are disclaimed apart from the mark.
FOR PERIODICAL.
Claims use since Jan. 17, 1941.

CLASS 39

CLOTHING

Ser. No. 424,601. NEW ERA SHIRT COMPANY, St. Louis, Mo. Filed Oct. 16, 1939.

Out O' Doors with UP-R-Down LINE FOLD COLLAR

No claim is made to the words "With Up-R-Down Linefold Collar" apart from the mark.
FOR MEN'S AND BOYS' SHIRTS.
Claims use since Oct. 10, 1939.

Ser. No. 438,898. THE PATRICIA PETTICOAT CO., INC., New York, N. Y. Filed Dec. 16, 1940.

Rhythm

STRAITER MODEL

The words "Straiter Model" are disclaimed apart from the mark.
FOR WOMEN'S AND MISSES' SLIPS.
Claims use since Sept. 17, 1935.

Ser. No. 440,818. H. J. JUSTIN & SONS, INC., Fort Worth, Tex. Filed Feb. 20, 1941.



No claim is made to the word "Boots" apart from the mark. Applicant is owner of T. M. Reg. No. 161,181 covering the word Justin's.
FOR MEN'S, WOMEN'S, AND CHILDREN'S BOOTS MADE OF LEATHER.
Claims use since Dec. 20, 1940.

Ser. No. 441,122. BLUE SWAN MILLS, INC., New York, N. Y. Filed Mar. 1, 1941.

KOOLIKINS

FOR LADIES' AND CHILDREN'S UNDERWEAR.
Claims use since Feb. 19, 1941.

Ser. No. 441,241. FROMM BROS., INC., Hamburg, Wis. Filed Mar. 5, 1941.



The trade-mark comprises a ribbon carrying a medallion.
FOR LADIES' GARMENTS MADE OF FUR—NAMELY, COATS, JACKETS, CAPES, AND SCARFS; AND LADIES' GARMENTS OF CLOTH TRIMMED WITH FUR—NAMELY, COATS, JACKETS, CAPES, AND SUITS.
Claims use since Jan. 1, 1941.

Ser. No. 441,721. J. BERKOWITZ & SONS, INC., New York, N. Y. Filed Mar. 20, 1941.

Largo

FOR WOMEN'S AND MISSES' FUR COATS.
Claims use since July 23, 1940.

Ser. No. 442,162. LOUIS GEIGER, INC., New York, N. Y. Filed Apr. 1, 1941.

Play-Cation

No claim is made to the word "Play" apart from the mark.
FOR LADIES' AND GIRLS' PLAYSUITS AND SPORTSWEAR—NAMELY, BATHING SUITS, SHORTS, SHIRTS, SLACKS, SKIRTS, DRESSES, JACKETS, HALTERS, AND BRASSIÈRES.
Claims use since February, 1941.

Ser. No. 442,682. S. WOLFSON & GREENBAUM, INC., New York, N. Y. Filed Apr. 17, 1941.

Ten Pin

FOR WOMEN'S AND MISSES' BLOUSES AND DRESSES.
Claims use since Dec. 27, 1939.

Ser. No. 442,717. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y.; Baltimore, Md.; Cleveland, Ohio; Los Angeles, Calif; and Denver, Colo.; doing business as Famous-Barr Company, St. Louis, Mo., and as The M. O'Neil Co., Akron, Ohio. Filed Apr. 18, 1941.

Beaux Arts

FOR WOMEN'S COATS.
Claims use since Feb. 27, 1941.

Ser. No. 442,854. SCHNEIDER, HOFFENBERG & MINES, INC., New York, N. Y. Filed Apr. 22, 1941.

The Combinder

ALL OCCASION SUIT

The words "The" and "All Occasion Suit" are disclaimed apart from the mark.
FOR MEN'S AND BOYS' SUITS.
Claims use since Apr. 17, 1941.

Ser. No. 443,018. SELECT SPORTSWEAR, INC., New York, N. Y. Filed Apr. 26, 1941.

Glenmacara

FOR LADIES' AND MISSES' KNITTED SPORT SWEATERS AND TWO PIECE KNITTED DRESSES.
Claims use since Mar. 1, 1941.

Ser. No. 443,020. A. A. SMITH & SON, INC., New York, N. Y. Filed Apr. 26, 1941.

"TRADING POST"

FOR MEN'S AND BOYS' UNDERWEAR AND KNITTED OUTERWEAR—NAMELY, SWEATERS, INCLUDING PULLOVERS AND BUTTONED SWEATERS; JACKETS AND SPORTS COATS.
Claims use since Apr. 15, 1941.

Ser. No. 443,021. A. A. SMITH & SON, INC., New York, N. Y. Filed Apr. 26, 1941.

"REDRAH"

FOR MEN'S AND BOYS' UNDERWEAR AND KNITTED OUTERWEAR—NAMELY, SWEATERS, INCLUDING PULLOVERS AND BUTTONED SWEATERS; JACKETS AND SPORTS COATS.
Claims use since Apr. 15, 1941.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Ser. No. 442,800. L. BAMBERGER & CO., Newark, N. J. Filed Apr. 24, 1941.

SUNBREAKER

FOR UMBRELLAS AND PARASOLS.
Claims use since Apr. 1, 1941.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 433,879. AQUA-SEC CORPORATION, New York, N. Y. Filed July 12, 1940. Under the act of February 20, 1905, as amended June 10, 1938.

ANKORD

FOR PIECE GOODS OF SILK, COTTON, LINEN, WOOL, RAYON, ACETATE, AND OF OTHER MATERIALS, OF ANIMAL, VEGETABLE, AND SYNTHETIC FIBRES AND OF COMBINATIONS THEREOF TREATED WITH A FINISHING MATERIAL SO AS TO BE GIVEN INCREASED BODY, IMPROVED FEEL AND GREATER STRENGTH.
Claims use since February, 1939.

Ser. No. 441,084. COHN-HALL-MARX CO., New York, N. Y. Filed Feb. 28, 1941.

Bonnie Brook

FOR COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS.
Claims use since Feb. 3, 1941.

Ser. No. 442,500. SOLOMON & BIRNBAUM, INC., New York, N. Y. Filed Apr. 11, 1941.

AMERICAN BORN
UNIVERSALLY WORN

Applicant disclaims the word "American" except as shown.
FOR LACES, EMBROIDERIES, AND TEXTILE FABRICS IN THE PIECE.
Claims use since Mar. 24, 1941.

Ser. No. 443,172. PACIFIC MILLS, Lawrence and Boston, Mass. Filed May 1, 1941.

Facebook

FOR SHEETS AND PILLOWCASES.
Claims use since Apr. 11, 1941.

Ser. No. 443,220. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed May 3, 1941.

CELADRY

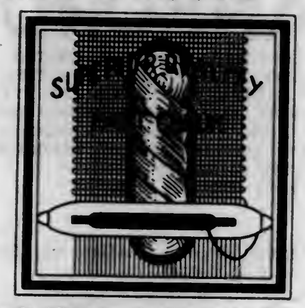
FOR PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES.
Claims use since Apr. 30, 1941.

Ser. No. 443,234. LORD & TAYLOR, New York, N. Y. Filed May 3, 1941.

Ever-dure

FOR COTTON PIECE GOODS, PARTICULARLY CHINTZ.
Claims use since Feb. 21, 1941.

Ser. No. 443,253. KANEMATSU TRADING CORPORATION, New York, N. Y. Filed May 5, 1941.



The words "Superior Quality—Fast Color" are disclaimed apart from the mark.
FOR DAMASK, RAYON, AND COTTON TABLE CLOTHS AND NAPKINS.
Claims use since October, 1940.

Ser. No. 443,419. LAWRENCE CONVERTERS INC., New York, N. Y. Filed May 9, 1941.



STAR EAGLE

FOR SHEETS, PILLOW CASES, BLANKETS MADE OF WOOL, COTTON, AND COMBINATIONS THEREOF, BLANKET COVERS, TOWELS AND WASH CLOTHS, AND MATTRESS COVERS.
Claims use since Apr. 24, 1941.

Ser. No. 443,421. MARVLO MILLS INC., New York, N. Y. Filed May 9, 1941.

Yogi

FOR TEXTILE FABRICS IN THE PIECE MADE OF WOOL, COTTON, SILK, RAYON, AND MIXTURES THEREOF.
Claims use since January, 1941.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 418,098. PIERRE G. FUGER, doing business as Sprudel Water Company, Mount Clemens, Mich. Filed Apr. 11, 1939. Under 10-year proviso.

Sprudel

FOR CARBONATED WATER, GINGER ALE, AND OTHER NON-ALCOHOLIC, MALTLESS, NON-CEREAL BEVERAGES.
Claims use since Sept. 30, 1882.

Ser. No. 440,970. WOCKY PRODUCTS COMPANY, Kansas City, Kans. Filed Feb. 24, 1941.

WOCKY
TRADE MARK
WOCKY PRODUCTS COMPANY

The words "Trade Mark" are disclaimed. The mark consists of the word "Wocky."
FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND CONCENTRATES FOR MAKING THE SAME.
Claims use since Feb. 17, 1941.

Ser. No. 441,253. ORANGE-CRUSH COMPANY, Chicago, Ill. Filed Mar. 5, 1941.

BIDU'

FOR NON-ALCOHOLIC, MALTLESS BEVERAGES AND CONCENTRATES AND COMPOUNDS FOR MAKING THE SAME.
Claims use since Feb. 26, 1941.

Ser, No. 443,308. TRY-IT BOTTLING CO. INC., Lackawanna, N. Y. Filed May 6, 1941.

Wanakah Club

FOR NON-ALCOHOLIC, CEREAL, MALTLESS BEVERAGES, AND SYRUPS FOR MAKING THE SAME, AND CARBONATED WATER.
Claims use since Apr. 10, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 428,750. GOOD HUMOR CORPORATION OF AMERICA, Brooklyn, N. Y., assignor to Good Humor Corporation, Brooklyn, N. Y., a corporation of New York. Filed Feb. 21, 1940.

Good Humor

Applicant is the owner of Trade-Marks 318,780, 319,425, and 303,459.
FOR FROZEN FOODS—NAMELY, FROZEN FISH, FROZEN SHELL FISH, FROZEN VEGETABLES, AND FROZEN FRUITS.
Claims use since Jan. 19, 1940.

Ser. No. 430,805. SOCIETÁ ANONIMA LAVORAZIONE FORMAGGI "SALFO," Genoa-Sampierdarena, Italy. Filed Apr. 15, 1940.

SALFO
MARCA DEPOSITATA

No claim is made to the words "Marca Depositata" apart from the mark.
FOR CHEESE AND FRESH, EVAPORATED, AND CONDENSED MILK.
Claims use since December, 1939.

Ser. No. 430,478. NATIONAL ORANGE COMPANY, Riverside, Calif. Filed Sept. 28, 1940.

ORCHARD

FOR FRESH CITRUS FRUITS.
Claims use since 1904.

Ser. No. 436,608. HUTCHINSON ICE CREAM CO., New York, N. Y. Filed Oct. 3, 1940.

ROCKY ROAD

FOR ICE CREAM.
Claims use since May 1, 1940.

Ser. No. 440,142. PAUL F. BEICH COMPANY, Bloomington, Ill. Filed Jan. 31, 1941.



Applicant is the owner of registration No. 117,021, dated June 12, 1917, granted under the 10-year proviso. Applicant disclaims the word "Pecan" and the symbol "5¢" apart from the mark.
FOR CANDY.
Claims use since Dec. 20, 1940.

Ser. No. 441,702. HORLICK'S MALTED MILK CORPORATION, Racine, Wis. Filed Mar. 19, 1941.

BOOST

FOR CHOCOLATE FLAVORED PREPARATION IN POWDER FORM FOR USE IN MAKING FOOD DRINKS.
Claims use since Jan. 27, 1941.

Ser. No. 441,818. GENERAL ICE CREAM CORPORATION, Schenectady, N. Y. Filed Mar. 22, 1941.



FOR QUICK-FROZEN FRUITS, BERRIES, AND VEGETABLES.
Claims use since Dec. 9, 1940.

Ser. No. 441,886. TRAFICANTI BROTHERS, Chicago, Ill. Filed Mar. 24, 1941.

Aunt Sarah's

FOR ALIMENTARY PASTE PRODUCTS, CHEESE, PREPARED SOUP MIXTURES, AND DEHYDRATED VEGETABLES.
Claims use since May 1, 1924.

Ser. No. 441,922. BEN J. PINCKNEY, Hood River, Oreg. Filed Mar. 25, 1941.

"APPLE MELLO"

The word "Apple" is disclaimed apart from the mark.
FOR ICE CREAM CONFECTIONS.
Claims use since Jan. 1, 1940.

Ser. No. 442,119. H. L. FORHAN CO., Portland, Maine. Filed Mar. 31, 1941.

BLUEBERRY HILL

No claim is made to the word "Blueberry" apart from the mark.
FOR CANNED BLUEBERRIES.
Claims use since Feb. 15, 1941.

Ser. No. 442,182. ANDERSON, CLAYTON & CO., Houston, Tex. Filed Apr. 2, 1941. Under the act of February 20, 1905, as amended June 10, 1938.

Paymaster

Applicant is the owner of trade-mark registration No. 274,361, dated Aug. 26, 1930.

FOR FEEDS FOR DOMESTIC ANIMALS KNOWN TO ANIMAL HUSBANDRY, SUCH AS CATTLE, HORSES, MULES, SHEEP, AND GOATS, AND POULTRY KNOWN TO POULTRY HUSBANDRY, INCLUDING CHICKENS, DUCKS, GEESE, TURKEYS, AND GUINEA HENS.

Claims use since July 1, 1930.

Ser. No. 442,221. VENICE CELERY DISTRIBUTORS, Los Angeles, Calif. Filed Apr. 2, 1941.

BRAVADO

FOR FRESH VEGETABLES — NAMELY, FRESH CELERY.

Claims use since Mar. 14, 1941.

Ser. No. 442,222. VENICE CELERY DISTRIBUTORS, Los Angeles, Calif. Filed Apr. 2, 1941.

BULWARK

FOR FRESH VEGETABLES — NAMELY, FRESH CELERY.

Claims use since Mar. 14, 1941.

Ser. No. 442,536. ELIZABETH MONAGHAN INC., Detroit, Mich. Filed Apr. 12, 1941.

Staff-O'-

FOR BREAD.

Claims use since March, 1941.

Ser. No. 442,728. SEA BOARD SUPPLY CO., INC., Philadelphia, Pa. Filed Apr. 18, 1941.

HEN-CEN-MIX

No claim is made to the words "Hen" and "Mix" except as shown.

FOR FEED CONCENTRATE FOR POULTRY.

Claims use since January, 1941.

Ser. No. 443,139. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Apr. 30, 1941. Under section 5b of the act of 1905, as amended in 1920.

FLEISCHMANN'S

FOR CULTURE FOR SOUR RYE BREADS.

Claims use since Jan. 29, 1940.

Ser. No. 443,219. CALIFORNIA OLIVE GROWERS PACKING CORP., Los Angeles and Terra Bella, Calif. Filed May 3, 1941.

CALUSA

FOR CANNED OLIVES.

Claims use since Apr. 15, 1941.

CLASS 47

WINES

Ser. No. 427,715. DAVID PENDER GROCERY COMPANY, Norfolk, Va. Filed Jan. 22, 1940.

Chateau Norva

FOR WINES.

Claims use since July, 1938.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 431,694. MINNEAPOLIS BREWING COMPANY, Minneapolis, Minn. Filed May 8, 1940.

GRAIN BELT

FOR BEER.

Claims use since Dec. 23, 1895.

Ser. No. 443,091. THE GENESEE BREWING COMPANY, INC., Rochester, N. Y. Filed May 19, 1941.

TRIM

FOR BEER.

Claims use since May 5, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 441,525. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y. Filed Mar. 13, 1941.

LAMISETTE

FOR TEXTILE FABRICS IN THE PIECE REINFORCED WITH A FILM OF NON-FIBROUS ORGANIC MATERIAL.

Claims use since Feb. 15, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 24, 1941

388,362. DRY YEAST. STANDARD BRANDS INCORPORATED, New York, N. Y.
Filed February 28, 1938. Serial No. 403,526. PUBLISHED APRIL 15, 1941. Class 46.

388,363. CANNED VEGETABLES AND CANNED TOMATO JUICE. OCONOMOWOC CANNING CO., Oconomowoc, Wis.
Filed April 16, 1938. Serial No. 405,368. PUBLISHED JULY 12, 1938. Class 46.

388,364. WIRE CLOTH MATERIALS. BORG-WARNER CORPORATION, Chicago, Ill.
Filed August 25, 1939. Serial No. 422,994. PUBLISHED APRIL 15, 1941. Class 13.

388,365. CANNED FRUITS, CANNED VEGETABLES, CANNED FRUIT COCKTAIL. G. R. BARTH CO., San Francisco, Calif.
Filed October 14, 1939. Serial No. 424,533. PUBLISHED DECEMBER 24, 1940. Class 46.

388,366. LOW SOCKS OR UNDER-SOCKS FOR USE IN CONNECTION WITH MEDICATION OF THE FEET. RICHARD PAUL, INC., Wilmington, Del.
Filed February 2, 1940. Serial No. 428,170. PUBLISHED APRIL 15, 1941. Class 39.

388,367. QUICK DRYING ADHESIVE CEMENT. LOUIS S. RICHMAN, doing business as Reliable Cement Mfg. Co., New York, N. Y.
Filed February 7, 1940. Serial No. 428,331. PUBLISHED APRIL 15, 1941. Class 5.

388,368. LIQUID ADHESIVE CEMENT FOR USE IN REPAIRING ARTICLES MADE OF WOOD, CLOTH, LEATHER, AND ANALOGOUS PLIABLE MATERIALS, CHINA, GLASS, IVORY AND METAL. WILLIAM H. PALMER, doing business as W. H. Palmer Company, Topeka, Kans.
Filed June 5. 1940. Serial No. 432,695. PUBLISHED APRIL 15, 1941. Class 5.

388,369. MATCHES. JÖNKÖPINGS OCH VULCANS TÄNDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden,
Filed July 18, 1940. Serial No. 434,119. PUBLISHED APRIL 15, 1941. Class 9.

388,370. TOOTHBRUSHES. THE OWENS STAPLE-TIED BRUSH COMPANY, Toledo, Ohio.
Filed September 9, 1940. Serial No. 435,806. PUBLISHED APRIL 15, 1941. Class 29.

388,371. FIBROUS SHEET MATERIAL FOR USE IN THE MANUFACTURE OF SHOE HEELS, INNER SOLES, PLATFORMS, AND THE LIKE. HOMASOTE COMPANY, INC., Fernwood, N. J.
Filed September 12, 1940. Serial No. 435,905. PUBLISHED APRIL 15, 1941. Class 50.

388,372. QUILTED CRIB PADS, MUSLIN CRIB SHEETS, MUSLIN PILLOWCASES, KNITTED BATH BLANKETS, ETC. ALLIED STORES CORPORATION, Wilmington, Del., doing business as The Bon Marche, Seattle, Wash.
Filed September 20, 1940. Serial No. 436,160. PUBLISHED APRIL 15, 1941. Class 42.

388,373. CLEANING, CLEANSING, AND DETERGENT PREPARATION CHARACTERIZED BY THE POSSESSION OF GREASE SOLVENT PROPERTIES FOR USE IN LAUNDRIES, LINEN SUPPLY PLANTS, ET CETERA. THE J. B. FORD COMPANY, Wyandotte, Mich.
Filed September 27, 1940. Serial No. 436,428. PUBLISHED APRIL 15, 1941. Class 4.

388,374. CANNED VEGETABLES AND CANNED CORN MEAL MUSH. STREATOR CANNING COMPANY, Streator, Ill.
Filed October 21, 1940. Serial No. 437,158. PUBLISHED APRIL 15, 1941. Class 46.

388,375. CANNED TOMATOES AND CANNED CITRUS FRUITS AND JUICES FOR FOOD PURPOSES. E. E. EDENFIELD, also doing business as E. E. Edenfield Co., Lakeland, Fla.
Filed October 25, 1940. Serial No. 437,275. PUBLISHED MARCH 18, 1941. Class 46.

388,376. SPONGE RUBBER. THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio.
Filed October 28, 1940. Serial No. 437,337. PUBLISHED APRIL 15, 1941. Class 1.

388,377. SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. PARAMOUNT SHOE MANUFACTURING COMPANY, St. Louis, Mo.
Filed October 28, 1940. Serial No. 437,350. PUBLISHED APRIL 15, 1941. Class 39.

388,378. TYPEWRITER RIBBONS. MCCRORY STORES CORPORATION, New York, N. Y.
Filed October 29, 1940. Serial No. 437,389. PUBLISHED APRIL 15, 1941. Class 11.

388,379. CIGARS. ARANGO Y ARANGO, Tampa, Fla.
Filed November 2, 1940. Serial No. 437,498. PUBLISHED APRIL 15, 1941. Class 17.

388,380. CHECK DEPOSIT BOOKS, CHECKBOOKS, PASSBOOKS, DEPOSIT SLIPS, SIGNATURE CARDS, LEDGER SHEETS, STATEMENT SHEETS, ENVELOPES, APPLICATION CARDS, DEBIT TICKETS, AND STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES. RAY E. BAUDER, doing business as Bauder-Baker, Chicago, Ill.
Filed November 7, 1940. Serial No. 437,640. PUBLISHED APRIL 15, 1941. Class 37.

388,381. SAFETY PIN SET, CONSISTING OF TWO COMMON SAFETY PINS CONNECTED BY A CORD OR CHAIN. CLARENCE W. JOHNSTON, doing business as The Diapin Company, Portland, Oreg.
Filed November 12, 1940. Serial No. 437,774. PUBLISHED APRIL 15, 1941. Class 40.

388,382. HAIRPINS AND BOBBY PINS. SCOLDING LOCKS CORPORATION, Appleton, Wis.
Filed November 13, 1940. Serial No. 437,837. PUBLISHED APRIL 15, 1941. Class 40.

388,383. MACHINE ELEMENTS—NAMELY, CLUTCH FACINGS, AND BRAKE LININGS. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed November 14, 1940. Serial No. 437,863. PUBLISHED APRIL 15, 1941. Class 35.

388,384. CANDY. C. E. VOOGT CANDY CO., also doing business as Lady Baltimore Candy Co., Chicago, Ill.
Filed November 16, 1940. Serial No. 437,980. PUBLISHED APRIL 15, 1941. Class 46.

388,385. ARTICLES FOR BAKING PURPOSES, I. E., BACTERIOLOGICS, ENZYMATICS, WATER-BINDING AND CHEMICAL, MORE PARTICULARLY LEAVEN, LEAVEN BACTERIA, AND DOUGH ACIDIFYING MEDIUM FOR BAKING USES. IREKS AKTIENGESELLSCHAFT KULMBACH, Kulmbach, Germany.
Filed November 26, 1940. Serial No. 438,243. PUBLISHED APRIL 15, 1941. Class 46.

388,386. CANNED FRUITS, CANNED VEGETABLES, AND OLIVES. SYLMAR PACKING CORP., Los Angeles, Calif.
Filed November 30, 1940. Serial No. 438,419. PUBLISHED APRIL 15, 1941. Class 46.

388,387. READY-MIXED PAINTS AND SYNTHETIC PAINT ENAMEL. C. L. ROWE CORPORATION, Brooklyn, N. Y.
Filed December 3, 1940. Serial No. 438,425. PUBLISHED APRIL 15, 1941. Class 16.

388,388. CLOCKS AND WATCHES. GENERAL TIME INSTRUMENTS CORPORATION, New York, N. Y., and Peru, Ill.
Filed December 4, 1940. Serial No. 438,506. PUBLISHED APRIL 15, 1941. Class 27.

388,389. CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES. MEYER CANNING CO., Edinburg, Tex.
Filed December 4, 1940. Serial No. 438,511. PUBLISHED APRIL 15, 1941. Class 46.

388,390. TESTING INSTRUMENTS FOR DETERMINING THE EFFICIENCY OF COAL, OIL, OR GAS HOUSEHOLD FURNACES. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed December 4, 1940. Serial No. 438,522. PUBLISHED APRIL 15, 1941. Class 26.

388,391. CANNED FRUIT JUICES FOR FOOD PURPOSES—NAMELY, CANNED PEACH-NECTARINE NECTAR AND CANNED PEAR NECTAR. SHIELD FOODS, INC., Buffalo, N. Y.
Filed December 13, 1940. Serial No. 438,815. PUBLISHED APRIL 15, 1941. Class 46.

388,392. CANDY. BRADAS & GHEENS, INC., Louisville, Ky.
Filed December 16, 1940. Serial No. 438,860. PUBLISHED APRIL 15, 1941. Class 46.

388,393. SOLID FUEL BURNING CAMP STOVES. JAMES W. HARDISON, Yakima, Wash.
Filed December 18, 1940. Serial No. 438,982. PUBLISHED APRIL 15, 1941. Class 34.

388,394. SHOES MADE OF COMBINATIONS OF LEATHER AND BRAIDED FIBERS, OR FABRIC AND BRAIDED FIBERS, OR RUBBER AND BRAIDED FIBERS, OR COMBINATIONS OF SAID MATERIALS. ROPE SOLES, INC., New York, N. Y.
Filed December 20, 1940. Serial No. 439,057. PUBLISHED APRIL 15, 1941. Class 39.

388,395. BINDERS FOR BOOKS, CATALOGS, AND PAMPHLETS MADE OF PLASTIC MATERIALS OR OF METAL. GENERAL BINDING CORPORATION, Chicago, Ill.
Filed December 23, 1940. Serial No. 439,101. PUBLISHED APRIL 15, 1941. Class 37.

388,396. COATED PAPER BUT NOT INCLUDING WRITING PAPER OR WRITING TABLETS. CONSOLIDATED WATER POWER & PAPER CO., Wisconsin Rapids, Wis.
Filed December 26, 1940. Serial No. 439,194. PUBLISHED APRIL 15, 1941. Class 37.

388,397. POTATO PANCAKE MIX. KITCHEN KRAFT FOODS CORPORATION, also doing business as Majestic Maid Food Company, Brooklyn, N. Y.
Filed December 27, 1940. Serial No. 439,230. PUBLISHED APRIL 15, 1941. Class 46.

388,398. CANNED VEGETABLES AND CANNED GRAPEFRUIT JUICE FOR FOOD PURPOSES. QUALITY PRODUCTS, INC., La Feria, Tex.
Filed December 28, 1940. Serial No. 439,254. PUBLISHED APRIL 15, 1941. Class 46.

388,399. GARMENT HANGERS. PRODUCTS, INC., Denver, Colo.
Filed December 30, 1940. Serial No. 439,295. PUBLISHED APRIL 15, 1941. Class 50.

388,400. TOOTH BRUSHES. B. M. SILVERMAN, Washington, D. C.
Filed December 30, 1940. Serial No. 439,300. PUBLISHED APRIL 15, 1941. Class 29.

388,401. BASE METAL COOKING HOLLOWWARE. THE EVEREDY COMPANY, Frederick, Md.
Filed January 2, 1941. Serial No. 439,336. PUBLISHED APRIL 15, 1941. Class 13.

388,402. BASE METAL COOKING HOLLOWWARE. THE EVEREDY COMPANY, Frederick, Md.
Filed January 2, 1941. Serial No. 439,337. PUBLISHED APRIL 15, 1941. Class 13.

388,403. PORTABLE COOLING FANS, WALL FANS, BLOWERS, EXHAUST FANS, AND FANS FOR AIR CONDITIONING. WILLIAM L. CLAYTON, Harmony, Pa.
Filed January 4, 1941. Serial No. 439,408. PUBLISHED APRIL 15, 1941. Class 34.

388,404. SOCKETS, SOCKET ASSEMBLIES, TERMINAL OR JUNCTION BLOCKS, TELLTALE INDICATORS, MOUNTINGS, AND CONNECTORS. WADE ELECTRIC PRODUCTS COMPANY, Sturgis, Mich.
Filed January 8, 1941. Serial No. 439,508. PUBLISHED APRIL 15, 1941. Class 21.

388,405. PIPE TOBACCO. SAMUEL GREENBERG, doing business as Lorraine Pipe Shop, New York, N. Y.
Filed January 9, 1941. Serial No. 439,514. PUBLISHED APRIL 15, 1941. Class 17.

388,406. SLIDE FASTENERS. FAYE HERBERT, New York, N. Y.
Filed January 10, 1941. Serial No. 439,545. PUBLISHED APRIL 15, 1941. Class 13.

388,407. THERMOMETERS. TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y.
Filed January 13, 1941. Serial No. 439,639. PUBLISHED APRIL 15, 1941. Class 26.

388,408. WINES. ACHAIA-CLAUSS WINE COMPANY, LTD., New York, N. Y.
Filed January 14, 1941. Serial No. 439,645. PUBLISHED APRIL 15, 1941. Class 47.

388,409. DENTAL CROWNS FOR COVERING TEETH. NU-DENT PORCELAIN STUDIO, INC., New York, N. Y.
Filed January 16, 1941. Serial No. 439,725. PUBLISHED APRIL 15, 1941. Class 44.

388,410. WATCHES FOR MEN AND WOMEN. JULES KLEIN & JOSEPH MULLER, INC., New York, N. Y.
Filed January 18, 1941. Serial No. 439,777. PUBLISHED APRIL 15, 1941. Class 27.

388,411. HAM. AMPOL INC., New York, N. Y.
Filed January 24, 1941. Serial No. 439,921. PUBLISHED APRIL 15, 1941. Class 46.

388,412. GIRLS' SHOES MADE OF LEATHER, FABRIC, AND RUBBER, AND COMBINATIONS THEREOF, DRESSES, COATS, SLIPS, PAJAMAS, HOSE, UNDERSHIRTS, UNDERDRAWERS, UNDERWEAR, RAINCOATS, AND OUTER SKIRTS. LANSBURGH & BRO., Washington, D. C.
Filed January 24, 1941. Serial No. 439,936. PUBLISHED APRIL 15, 1941. Class 39.

388,413. CHILDREN'S SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF, OUTER SKIRTS, COATS, DRESSES, RAINCOATS, HOSE, PAJAMAS, AND SLIPS. LANSBURGH, & BRO., Washington, D. C.
Filed January 24, 1941. Serial No. 439,937. PUBLISHED APRIL 15, 1941. Class 39.

388,414. BOYS' SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF, SHIRTS, PAJAMAS, SUITS, COATS, TROUSERS, HATS, UNDERSHIRTS, OUTER AND UNDER SHORTS, UNION SUITS, NECKTIES, AND OVERALLS. LANSBURGH & BRO., Washington, D. C.
Filed January 24, 1941. Serial No. 439,938. PUBLISHED APRIL 15, 1941. Class 39.

388,415. MEN'S SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS THEREOF. SHIRTS, PAJAMAS, UNDERSHIRTS, SHORTS, UNION SUITS, NECKTIES, HANDKERCHIEFS, HOSE, LEATHER COATS, AND JACKETS. LANSBURGH & BRO., Washington, D. C.
Filed January 24, 1941. Serial No. 439,939. PUBLISHED APRIL 15, 1941. Class 39.

388,416. STABILIZER FOR FROZEN CONFECTIONS, CHOCOLATE MILK, AND OTHER DAIRY PRODUCTS. MCLEAN PRODUCTS, INC., Mamaroneck, N. Y.
Filed January 24, 1941. Serial No. 439,941. PUBLISHED APRIL 15, 1941. Class 46.

388,417. STABILIZER FOR FROZEN CONFECTIONS, CHOCOLATE MILK, AND OTHER DAIRY PRODUCTS. MCLEAN PRODUCTS, INC., Mamaroneck, N. Y.
Filed January 24, 1941. Serial No. 439,942. PUBLISHED APRIL 15, 1941. Class 46.

388,418. WHEAT FLOUR. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed January 25, 1941. Serial No. 439,975. PUBLISHED APRIL 15, 1941. Class 46.

388,419. CHEWING GUM. DIETZ GUM CO. OF CHICAGO, also doing business as Dietz Gum Co., Chicago, Ill.
Filed January 27, 1941. Serial No. 439,996. PUBLISHED APRIL 15, 1941. Class 46.

388,420. ARTIFICIAL FLOWERS IN THE NATURE OF COIFFURE ORNAMENTS. BURROS & BURROS, INC., New York, N. Y.
Filed January 28, 1941. Serial No. 440,038. PUBLISHED APRIL 15, 1941. Class 40.

388,421. LEATHER. B. D. EISENDRATH TANNING CO., Chicago, Ill.
Filed January 29, 1941. Serial No. 440,087; PUBLISHED APRIL 15, 1941. Class 1.

388,422. COAL. HARRIS COAL CORPORATION, Cleveland, Ohio.
Filed January 29, 1941. Serial No. 440,092. PUBLISHED APRIL 15, 1941. Class 1.

388,423. TRANSPARENT MERCHANDISE PROTECTORS — NAMELY, SEAMLESS CELLULOSE TUBES. THE VISKING CORPORATION, Chicago, Ill.
Filed January 29, 1941. Serial No. 440,105. PUBLISHED APRIL 15, 1941. Class 2.

388,424. MERCHANDISE PROTECTORS—NAMELY, SEAMLESS CELLULOSE TUBES, AND ARTIFICIAL SAUSAGE CASINGS MADE OF CELLULOSE. THE VISKING CORPORATION, Chicago, Ill.
Filed January 29, 1941. Serial No. 440,106. PUBLISHED APRIL 15, 1941. Class 2.

388,425. ARTIFICIAL SAUSAGE CASINGS MADE OF CELLULOSE. THE VISKING CORPORATION, Chicago, Ill.
Filed January 29, 1941. Serial No. 440,107. PUBLISHED APRIL 15, 1941. Class 2.

388,426. LETTERING PAINT. KLARION MERCHANDISING CORPORATION, New York, N. Y.
Filed January 30, 1941. Serial No. 440,127. PUBLISHED APRIL 15, 1941. Class 16.

388,427. LADIES', MISSES', AND CHILDREN'S PANTIES, STEP-INS—I. E., UNDERDRAWERS, BANDEAUS, VESTS, SLIPS, NIGHTGOWNS, CHEMISES, BLOOMERS, AND PAJAMAS. KRUMHOLZ & LICHTBLAU, doing business as KelRay Knitting Mills, New York, N. Y.
Filed January 30, 1941. Serial No. 440,128. PUBLISHED APRIL 15, 1941. Class 39.

388,428. FLUID CONDUCTORS MADE OF CARBON AND GRAPHITE—I. E., PIPES, FITTINGS, AND VALVES. STACKPOLE CARBON COMPANY, St. Marys, Pa.
Filed February 1, 1941. Serial No. 440,222. PUBLISHED APRIL 15, 1941. Class 13.

388,429. ARTIFICIAL FERTILIZERS. SEWERAGE COMMISSION OF THE CITY OF MILWAUKEE, Milwaukee, Wis.
Filed February 3, 1941. Serial No. 440,270. PUBLISHED APRIL 15, 1941. Class 10.

388,430. WINES. SOUTHLAND WINE CORPORATION, Richmond, Va.
Filed February 4, 1941. Serial No. 440,295. PUBLISHED APRIL 15, 1941. Class 47.

388,431. WINES. SOUTHLAND WINE CORPORATION, Richmond, Va.
Filed February 4, 1941. Serial No. 440,296. PUBLISHED APRIL 15, 1941. Class 47.

388,432. WINES. SOUTHLAND WINE CORPORATION, Richmond, Va.
Filed February 4, 1941. Serial No. 440,297. PUBLISHED APRIL 15, 1941. Class 47.

388,433. EXPANDING LAND ANCHORS. FRANK W. AIKEN, Moberly, Mo.
Filed February 5, 1941. Serial No. 440,303. PUBLISHED APRIL 15, 1941. Class 13.

388,434. MEN'S AND YOUNG MEN'S SUITS, OVERCOATS, TOPCOATS, RAINCOATS, SPORTCOATS, MACKINAWS, ETC. BLANKSON CLOTHES, INC., New York, N. Y.
Filed February 5, 1941. Serial No. 440,312. PUBLISHED APRIL 15, 1941. Class 39.

388,435. CAMERAS. EYE IN THE SKY, Jacksonville, Fla.
Filed February 5, 1941. Serial No. 440,325. PUBLISHED APRIL 15, 1941. Class 26.

388,436. LADIES' AND MISSES' SLIPS, PETTICOATS, BLOOMERS, UNDERSHIRTS, UNDERSHORTS, UNDERDRAWERS AND CORSETS, PANTIES AND BRASSIÈRES. LUXURAY, INC., New York, N. Y.
Filed February 5, 1941. Serial No. 440,337. PUBLISHED APRIL 15, 1941. Class 39.

388,437. COAL STOKERS. BITUMINOUS COAL STOKERS INC., Durango, Colo.
Filed February 6, 1941. Serial No. 440,355. PUBLISHED APRIL 15, 1941. Class 34.

388,438. MEN'S OUTER SHIRTS, MEN'S PAJAMAS, MEN'S UNDERWEAR, BOTH KNIT AND WOVEN GOODS, AND MEN'S NECKWEAR AND HOSIERY. PHILLIPS-JONES CORPORATION, New York, N. Y.
Filed February 6, 1941. Serial No. 440,379. PUBLISHED APRIL 15, 1941. Class 39.

388,439. LIQUID LEVEL INDICATORS FOR LIQUID FUEL TANKS AND THE LIKE. SCULLY SIGNAL COMPANY, East Cambridge, Mass.
Filed February 6, 1941. Serial No. 440,388. PUBLISHED APRIL 15, 1941. Class 26.

388,440. CORSETS, GIRDLES, AND FOUNDATION GARMENTS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed February 7, 1941. Serial No. 440,417. PUBLISHED APRIL 15, 1941. Class 39.

388,441. HEELS AND SOLES MADE OF RUBBER AND OF COMBINATIONS OF RUBBER AND LEATHER. CAT'S PAW RUBBER COMPANY, INC., Baltimore, Md.
Filed February 8, 1941. Serial No. 440,441. PUBLISHED APRIL 15, 1941. Class 39.

388,442. CABINET SINKS AND SINK TOPS. ELKAY MANUFACTURING CO., Chicago, Ill.
Filed February 8, 1941. Serial No. 440,463. PUBLISHED APRIL 15, 1941. Class 13.

388,443. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE SOLD AND USED AS A SOFT DRINK AND FOR SYRUPS, EXTRACTS, AND CONCENTRATES FOR MAKING THE SAME. THE HUDOR CO., Buffalo, N. Y.
Filed February 8, 1941. Serial No. 440,466. PUBLISHED APRIL 15, 1941. Class 45.

388,444. RUBBER HEELS AND SOLES. CAT'S PAW RUBBER COMPANY, INC., Baltimore, Md.
Filed February 10, 1941. Serial No. 440,488. PUBLISHED APRIL 15, 1941. Class 39.

388,445. ELECTRICAL TRANSMITTING AND/OR RECEIVING DEVICES OF THE TYPE CONSISTING OF A TRANSMITTER HAVING A ROTOR AND STATOR AND ELECTRICALLY CONNECTED TO A SIMILAR DEVICE HAVING A ROTOR AND STATOR AND FUNCTIONING AS A RECEIVER AT A POINT REMOTE FROM THE TRANSMITTER. BENDIX AVIATION CORPORATION, Bendix, N. J.
Filed February 11, 1941. Serial No. 440,534. PUBLISHED APRIL 15, 1941. Class 21.

388,446. PASTEURIZED CHEESE FOOD MIXTURE OF PROCESS AGED AMERICAN CHEESE, CREAM, SALT, AND VEGETABLE COLORING. THE BORDEN COMPANY, New York, N. Y.
Filed February 11, 1941. Serial No. 440,539. PUBLISHED APRIL 15, 1941. Class 46.

388,447. FRESH CITRUS FRUITS. HEMET MUTUAL GROWERS, Hemet, Calif.
Filed February 11, 1941. Serial No. 440,555. PUBLISHED APRIL 15, 1941. Class 46.

388,448. LADIES' SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THESE MATERIALS. I. MILLER & SONS, INC., Long Island City, N. Y.
Filed February 11, 1941. Serial No. 440,561. PUBLISHED APRIL 15, 1941. Class 39.

388,449. WOOLEN AND WORSTED TEXTILE PIECE GOODS. AMALGAMATED TEXTILES LIMITED, New York, N. Y.
Filed February 12, 1941. Serial No. 440,568. PUBLISHED APRIL 15, 1941. Class 42.

388,450. SPECTACLES, EYEGLASSES AND PARTS THEREOF, OPHTHALMIC MOUNTINGS AND PARTS THEREOF, OPHTHALMIC LENSES AND BLANKS THEREFOR. AMERICAN OPTICAL COMPANY, Southbridge, Mass.
Filed February 12, 1941. Serial No. 440,574. PUBLISHED APRIL 15, 1941. Class 26.

388,451. HATCHETS, HAMMERS, AND AXES. ILLINOIS MALLEABLE IRON COMPANY, Chicago, Ill.
Filed February 12, 1941. Serial No. 440,594. PUBLISHED APRIL 15, 1941. Class 23.

388,452. GLASS PIE PLATES, CUSTARD CUPS, COVERED CASSEROLES, MEAT LOAF PANS, UTILITY PANS, AND OTHER OVEN WARE FOOD PREPARING VESSELS. ANCHOR HOCKING GLASS CORPORATION, Lancaster, Ohio.
Filed February 13, 1941. Serial No. 440,614. PUBLISHED APRIL 15, 1941. Class 33.

388,453. TOY COIN BANKS. DURABLE TOY & NOVELTY CORP., New York, N. Y.
Filed February 14, 1941. Serial No. 440,646. PUBLISHED APRIL 15, 1941. Class 22.

388,454. GIRDLES, CORSETS, AND BRASSIÈRES AND COMBINATIONS THEREOF, AND BATHING SUITS. ARTISTIC FOUNDATIONS, INC., New York, N. Y.
Filed February 15, 1941. Serial No. 440,670. PUBLISHED APRIL 15, 1941. Class 39.

388,455. ICE CREAM. THE BORDEN COMPANY, doing business as Borden's Ice Cream Company, Baltimore, Md.
Filed February 17, 1941. Serial No. 440,712. PUBLISHED APRIL 15, 1941. Class 46.

388,456. RUBBER HOSE AND RUBBER BELTING. THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio.
Filed February 17, 1941. Serial No. 440,714. PUBLISHED APRIL 15, 1941. Class 35.

388,457. CONTAINERS MADE OF PLASTIC MATERIAL—VIZ., GARMENT BAGS, PILLOW PROTECTORS, BLANKET BAGS, LAUNDRY BAGS, SHOE BAGS, ETC. MCCOY, JONES & COMPANY, INC., Chicago, Ill.
Filed February 17, 1941. Serial No. 440,726. PUBLISHED APRIL 15, 1941. Class 2.

388,458. FRESH VEGETABLES. HENRY Y. SASAKI, Los Angeles, Calif.
Filed February 17, 1941. Serial No. 440,734. PUBLISHED APRIL 15, 1941. Class 46.

388,459. PIECE GOODS CONSISTING IN WHOLE OR IN PART OF PURE OR WEIGHTED SILK, RAYON, SYNTHETIC YARN, OR WOOL. ALPREN LEVINTHAL CORP., New York, N. Y.
Filed February 19, 1941. Serial No. 440,767. PUBLISHED APRIL 15, 1941. Class 42.

388,460. WOOL BED BLANKETS. F. C. HUYCK & SONS, Albany, N. Y.
Filed February 19, 1941. Serial No. 440,782. PUBLISHED APRIL 15, 1941. Class 42.

388,461. WOOL BED BLANKETS. F. C. HUYCK & SONS, Albany, N. Y.
Filed February 19, 1941. Serial No. 440,783. PUBLISHED APRIL 15, 1941. Class 42.

388,462. COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS. COHN-HALL-MARX CO., New York, N. Y.
Filed February 20, 1941. Serial No. 440,801. PUBLISHED APRIL 15, 1941. Class 42.

388,463. SEPARABLE SLIDE FASTENERS. CROWN FASTENER CORPORATION, Warren, R. I.
Filed February 20, 1941. Serial No. 440,804. PUBLISHED APRIL 15, 1941. Class 13.

388,464. PIECE GOODS CONTAINING CELLULOSE ACETATE RAYON. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed February 20, 1941. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 440,809. PUBLISHED APRIL 15, 1941. Class 42.

388,465. CURTAIN HOOKS, DRAPE HANGERS, HANGERS FOR PICTURES AND MIRRORS. THE EMELOID CO., INC., Arlington, N. J.
Filed February 20, 1941. Serial No. 440,810. PUBLISHED APRIL 15, 1941. Class 13.

388,466. PIECE GOODS SUCH AS COTTON, WOOL, CREPE, AND RAYON. SCHAFFRAN & LANDA, INC., New York, N. Y.
Filed February 21, 1941. Serial No. 440,883. PUBLISHED APRIL 15, 1941. Class 42.

388,467. BOARD GAME PLAYED WITH MOVABLE PIECES AND A SPINNER. JOHN C. BARBER, Denver, Colo.
Filed February 24, 1941. Serial No. 440,904. PUBLISHED APRIL 15, 1941. Class 22.

388,468. TEXTILE FABRICS IN THE PIECE OF SILK, RAYON, ACETATE, WOOLEN, COTTON, LINEN, SPUN RAYON, AND/OR COMBINATIONS THEREOF. DAVID CRYSTAL, INC., New York, N. Y.
Filed February 24, 1941. Serial No. 440,919. PUBLISHED APRIL 15, 1941. Class 42.

388,469. WOOLEN GOODS IN THE PIECE. STONEKIRK WORSTED COMPANY, New York, N. Y.
Filed February 24, 1941. Serial No. 440,966. PUBLISHED APRIL 15, 1941. Class 42.

388,470. BEER COOLERS. GRANKO CORPORATION, Trenton, N. J.
Filed February 26, 1941. Serial No. 441,018. PUBLISHED APRIL 15, 1941. Class 31.

388,471. BOARD GAME PLAYED WITH MOVABLE PIECES. JOHN J. DAVALA, Passaic, N. J. Filed March 5, 1941. Serial No. 441,235. PUBLISHED APRIL 15, 1941. Class 22.

388,472. AUTOMOBILE TIRES AND TUBES. THE ARMSTRONG RUBBER COMPANY, West Haven, Conn. Filed March 6, 1941. Serial No. 441,275. PUBLISHED APRIL 15, 1941. Class 35.

388,473. TOY EASEL. J. PRESSMAN & CO., INC., New York, N. Y. Filed March 6, 1941. Serial No. 441,289. PUBLISHED APRIL 15, 1941. Class 22.

388,474. AUTOMOBILE AND BICYCLE TIRES AND TUBES. MARSHALL-WELLS COMPANY, doing business as Zenith Rubber Co., Duluth, Minn. Filed March 10, 1941. Serial No. 441,401. PUBLISHED APRIL 15, 1941. Class 35.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

388,475. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) FRED RUEPING LEATHER CO., Fond du Lac, Wis. Filed June 22, 1938. Serial No. 407,765.

AQUA-TITE

FOR LEATHER.
Claims use since Mar. 24, 1938.

388,476. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THE INSEL COMPANY, Arlington, N. J. Filed Oct. 2, 1939. Serial No. 424,130.

Kleen

FOR TOOTHBRUSHES.
Claims use since Sept. 27, 1939.

388,477. (CLASS 39. CLOTHING.) SEBASTIAN S. KRESGE, doing business as Kresge Department Store Newark, Newark, N. J. Filed Jan. 3, 1940. Serial No. 427,104.

KRESGE

MODERN ARCH FITTING SHOES

FOR SHOES MADE IN WHOLE OR IN PART OF LEATHER, FABRIC, OR RUBBER OR ANY COMBINATION THEROF OF SAID MATERIALS.
Claims use since July 1, 1939.

388,478. (CLASS 44. DENTAL, MEDICAL AND SURGICAL APPLIANCES.) RADIO ELECTRIC CORPORATION, Los Angeles, Calif. Filed Mar. 22, 1940. Serial No. 429,869.

Muscle-Tone

FOR ELECTROTHERAPEUTIC INSTRUMENTS USED PRINCIPALLY IN THE TREATMENT OF CONDITIONS REQUIRING TONING, EXERCISING, OR STRENGTHENING OF THE MUSCLES.
Claims use since Oct. 31, 1939.

388,479. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BORG-WARNER CORPORATION, Chicago, Ill. Filed Mar. 25, 1940. Serial No. 429,930.

DETROIT GEARS

FOR GEARS FOR USE IN THE DRIVING SYSTEMS AND ENGINES OF MOTOR VEHICLES.
Claims use since Feb. 26, 1940.

388,480. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) A. B. CHANCE COMPANY, Centralia, Mo. Filed Apr. 11, 1940. Serial No. 430,650.



FOR GUY RODS AND EARTH ANCHORS OF THE CONE TYPE, SCREW TYPE, AND EXPANDING TYPE.
Claims use since Jan. 10, 1939.

388,481. (CLASS 37. PAPER AND STATIONERY.) BECKLEY-CARDY COMPANY, Chicago, Ill. Filed Apr. 19, 1940. Serial No. 430,939.

NEVERIP TRIPLE SEWED

FOR BLACKBOARD ERASERS.
Claims use since Feb. 1, 1940.

388,482. (CLASS 37. PAPER AND STATIONERY.) C. HOWARD HUNT PEN COMPANY, Camden, N. J. Filed Apr. 22, 1940. Serial No. 431,051.

DUREX

FOR PENS.
Claims use since Feb. 12, 1940.

388,483. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., Akron, and Cleveland, Ohio, Baltimore, Md., Los Angeles, Calif., and Denver, Colo., also doing business as Famous-Barr Company, St. Louis, Mo. Filed May 1, 1940. Serial No. 431,461.

Vivian Vent

WINTER BALM

FOR TOILET ARTICLES—NAMELY, HAND, FACE, AND BODY LOTION, LIQUID AND SEMI-LIQUID SOLUTION.
Claims use since Dec. 31, 1939.

388,484. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DRAPER BROTHERS COMPANY, Canton, Mass. Filed May 9, 1940. Serial No. 431,727.

Hi-Test

FOR KNITTED AND WOVEN FABRICS IN THE PIECE MADE FROM ANIMAL, VEGETABLE, AND/OR SYNTHETIC FIBERS.
Claims use since Apr. 29, 1940.

388,485. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) PHIL C. BOWEN, Kansas City, Mo. Filed May 13, 1940. Serial No. 431,844.

TRU-FIT

FOR TAPE EMPLOYED BY GARMENT CLEANERS TO RECORD GARMENT DIMENSIONS PRIOR TO CLEANING AND PRESSING.
Claims use since May 3, 1940.

388,486. (CLASS 37. PAPER AND STATIONERY.) S. D. WARREN COMPANY, Boston, Mass. Filed May 16, 1940. Serial No. 432,016.

FOILKOTE

FOR PAPER MANUFACTURED FOR USE AS AN INNER OR OUTER LAYER IN THE CONSTRUCTION OF CARTONS AND OTHER LAMINATED PRODUCTS.
Claims use since Apr. 16, 1940.

388,487. (CLASS 2. RECEPTACLES.) THE GLEMBY COMPANY, INC., New York, N. Y. Filed May 17, 1940. Serial No. 432,029.

Lorraine

FOR EMPTY COSMETIC CONTAINERS—NAMELY, EMPTY BOXES FOR THE RECEPTION OF FACE POWDER OR OTHER COSMETICS, SAID BOXES BEING MADE OF PLASTIC MATERIAL OR BASE METAL.
Claims use since May 6, 1940.

388,488. (CLASS 39. CLOTHING.) THE ENRO SHIRT COMPANY, INC., Louisville, Ky. Filed May 21, 1940. Serial No. 432,171.

PAJAMAS OF TOMORROW -- TODAY

FOR PAJAMAS FOR MEN.
Claims use since Apr. 25, 1940.

388,489. (CLASS 39. CLOTHING.) THE ENRO SHIRT COMPANY, INC., Louisville, Ky. Filed May 21, 1940. Serial No. 432,172.

SPORTSWEAR OF TOMORROW -- TODAY

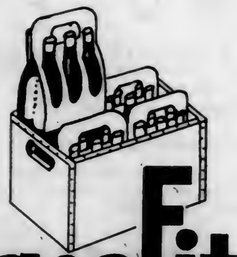
FOR SPORT, DRESS, NEGLIGEE, AND WORK SHIRTS FOR MEN.
Claims use since Apr. 25, 1940.

388,490. (CLASS 39. CLOTHING.) THE ENRO SHIRT COMPANY, INC., Louisville, Ky. Filed May 21, 1940. Serial No. 432,173.

SHIRTS OF TOMORROW -- TODAY

FOR SPORT SHIRTS FOR MEN.
Claims use since Apr. 25, 1940.

388,491. (CLASS 2. RECEPTACLES.) OTEY YANCEY WARREN, doing business as Display Cartons Co., Stamford, Conn. Filed June 12, 1940. Serial No. 432,957.



FOR BOTTLE CARRYING CARTONS MADE FROM CARDBOARD.
Claims use since Apr. 24, 1940.

388,492. (CLASS 20. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LAHER BATTERY PRODUCTION CORPORATION, Oakland, Calif. Filed June 17, 1940. Serial No. 433,100.

EXETER

FOR AUTOMOBILE STORAGE BATTERIES.
Claims use since Mar. 1, 1940.

388,493. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARTIN DE BOTELHO, New York, N. Y. Filed June 19, 1940. Serial No. 433,158.

BODY

BEAUTIFUL

FOR BODY BEAUTIFUL FRICTION, A PREPARATION WHICH WHEN ADDED TO THE BATH CAUSES THE FORMATION OF FOAM, AND BODY BEAUTIFUL CREAM, A SEMI-SOLID PREPARATION WHICH IS APPLIED TO THE BODY TO IMPROVE THE TEXTURE OF THE SKIN.
Claims use since Mar. 28, 1940.

388,494. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DODGEVILLE FINISHING CO., INC., Dodgeville, Mass. Filed July 31, 1940. Serial No. 434,523.

ENDURABLE

FOR PIECE GOODS OF COTTON, RAYON, AND COTTON AND RAYON FOR CURTAINS TREATED TO MAKE THEM WASHABLE.
Claims use since Apr. 1, 1940.

388,495. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHILIP FISCHER, Chicago, Ill. Filed Aug. 31, 1940. Serial No. 435,577.

Cola-MINT

FOR CHEWING GUM.
Claims use since Aug. 1, 1939.

388,496. (CLASS 39. CLOTHING.) MICHAELS, STERN & COMPANY, INC., Rochester, N. Y. Filed Sept. 16, 1940. Serial No. 436,028.

SEALNAP

FOR MEN'S AND BOYS' SUITS, TOPCOATS, AND OVERCOATS.
Claims use since March, 1940.

388,497. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) DEVOE & RAYNOLDS, INC., New York, N. Y. Filed Nov. 14, 1940. Serial No. 437,857.

Huntington

FOR PAINT BRUSHES.
Claims use since June 1, 1932.

388,498. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) POTTER & JOHNSTON MACHINE COMPANY, Pawtucket, R. I. Filed Nov. 25, 1940. Serial No. 438,215.

POTTER & JOHNSTON

FOR MACHINE TOOLS, PARTICULARLY AUTOMATIC CHUCKING AND TURNING MACHINES AND PARTS THEREOF INCLUDING TOOLS AND TOOL HOLDERS THEREFOR.
Claims use since Dec. 15, 1898.

388,499. (CLASS 39. CLOTHING.) HAUSMAN, NEWMAN & MILLER, INC., Brooklyn, N. Y. Filed Dec. 23 1940. Serial No. 439,106.



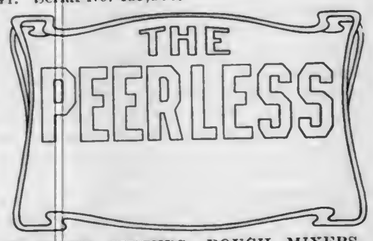
FOR MEN'S AND YOUNG MEN'S CLOTHING—NAMELY, SUITS, COATS, PANTS, VESTS, TOPCOATS, AND OVERCOATS.
Claims use since Mar. 1, 1938.

388,500. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MACHINERY SALES CO., doing business as Machinery Manufacturing Co., Los Angeles, Calif. Filed Jan. 2, 1941. Serial No. 439,352.



FOR MACHINERY—NAMELY, MILLING MACHINES, COMBINATION MILLING MACHINES AND JIG BORERS, SHAPERS, AND SHAPER PEDESTALS.
Claims use since March, 1940.

388,501. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PEERLESS BREAD MACHINERY CORPORATION, Sidney, Ohio. Filed Jan. 2, 1941. Serial No. 439,360.



FOR FLOUR SIFTERS, DOUGH MIXERS, LOAF MOLDERS, DOUGH PROOFERS, CAKE MACHINES, DOUGH BRAKES, TEMPERING TANKS, DOUGH DIVIDERS, DOUGH ROUNDERS, BREAD SLICING MACHINES, BREAD WRAPPING MACHINES, AIR CONDITIONED PROOF BOXES, AIR CONDITIONED DOUGH ROOMS.
Claims use since July 1, 1917.

388,502. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CROWN FABRICS CORPORATION, New York, N. Y. Filed Jan. 10, 1941. Serial No. 439,539.

BAHAMA CLOTH

FOR COTTON, SPUN RAYON, AND SPUN ACETATE FABRICS, AND MIXTURES THEREOF, IN THE PIECE.
Claims use since March, 1940.

388,503. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) O. J. WEEKS CO., INC., New York, N. Y. Filed Jan. 28, 1941. Serial No. 440,077.

CREAMTHICK

FOR ICE CREAM POWDER.
Claims use since 1903.

388,504. (CLASS 39. CLOTHING.) CHARLES CREED, New York, N. Y. Filed Mar. 13, 1941. Under the act of Mar. 19, 1920, as amended June 10, 1938. Serial No. 441,501.

Charles CREED

FOR WOMEN'S AND GIRLS' SUITS, JACKETS, COATS, DRESSES, HATS, LEATHER AND FABRIC SHOES, LEATHER AND FABRIC GLOVES, HOSE, AND GOWNS, MEN'S AND BOYS' SUITS, COATS, JACKETS, SHIRTS, LEATHER AND FABRIC GLOVES, HATS, LEATHER AND FABRIC SHOES, NECKTIES, AND HOSE.
Claims use since January, 1931.

388,505. (CLASS 39. CLOTHING.) ROGER KENT, INC., New York, N. Y., New Haven, Conn., Philadelphia, Pa., and Cambridge, Mass. Filed Mar. 26, 1941. Serial No. 441,967.

Roger Kent

FOR MEN'S CLOTHING—NAMELY, TWO AND THREE-PIECE SUITS, COATS, VESTS, TROUSERS, AND OVERCOATS.
Claims use since Jan. 1, 1939.

388,506. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Filed Mar. 28, 1941. Serial No. 442,050.

Columbia

FOR PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.
Claims use since May 1, 1940.

388,507. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAX FACTOR & Co., Los Angeles, Calif. Filed Apr. 7, 1941. Serial No. 442,355.



FOR COSMETIC IN THE NATURE OF A SOLIDIFIED CREAM USED FOR A MAKE-UP BASE.

Claims use since Jan. 2, 1935.

388,508. (CLASS 39. CLOTHING.) THE ALLEN A COMPANY, Bennington, Vt. Filed Apr. 30, 1941. Serial No. 443,102.

Allen-A

FOR MEN'S, WOMEN'S, AND CHILDREN'S KNITTED AND WOVEN UNDERWEAR, INCLUDING TWO PIECE AND UNION SUITS, AND MEN'S, WOMEN'S, AND CHILDREN'S KNITTED HOSIERY, SAID UNDERWEAR AND HOSIERY BEING MADE OF COTTON, SILK, WOOL, ARTIFICIAL SILK, AND MIXTURES THEREOF.

Claims use since Mar. 20, 1920.

TRADE-MARK REGISTRATIONS RENEWED

20,253. **REPRESENTATION OF AN EAGLE.** METALLIC SCREWS, BOLTS, NAILS, NUTS, WASHERS, RIVETS, AND KINDRED ARTICLES. Registered October 27, 1891. AMERICAN SCREW COMPANY, Providence, R. I., a corporation of Rhode Island. Re-renewed October 27, 1941.

20,260. **WHITING'S STANDARD.** WRITING-PAPER. Registered October 27, 1891. WHITING PAPER COMPANY, Holyoke, Mass., a corporation of Massachusetts. Re-renewed October 27, 1941.

20,262. **FLOORENE.** VARNISHES. Registered October 27, 1891. AMERICAN VARNISH COMPANY, Chicago, Ill., and New York, N. Y. Re-renewed October 27, 1941, to The American Varnish Company, Chicago, Ill., a corporation of Illinois.

140,647. **SNOWSHEEN.** SATIN IN THE PIECE. Registered March 22, 1921. JACOB MILLER SONS & Co. Re-renewed March 22, 1941, to Jacob Miller's Sons Co., Philadelphia, Pa., a corporation of Pennsylvania, assignee.

141,141. **JAPSHAN.** PURE-SILK PIECE GOODS. Registered April 12, 1921. WILLIAM HOLLINS & Co., LIMITED, Mansfield and London, England. Renewed April 12, 1941, to William Hollins & Company, Limited, Nottingham, England, a British Corporation.

141,385. **H.** WOODEN SIGNS USED AS ROAD-MARKERS. Registered April 19, 1921. FRANK W. HOCKADAY. Renewed April 19, 1941, to Grace Hockaday, Guardian of Frank W. Hockaday, insane, Wichita, Kans.

141,840. **WELLS WORTH.** CERTAIN OPHTHALMIC SUPPLIES AND OPTICAL INSTRUMENTS. Registered May 3, 1921. THE AMERICAN OPTICAL COMPANY, Southbridge, Mass., a voluntary association of Massachusetts. Renewed May 3, 1941.

142,091. **ANDES.** STOVES, RANGES, AND FURNACES BURNING COAL, GAS, OR WOOD. Registered May 3, 1921. PHILLIPS & CLARK STOVE Co., INC. Renewed May 3, 1941, to Andes Range & Furnace Corporation, Geneva, N. Y., a corporation of New York, by change of name.

142,103. **NO-MOTH.** A DEVICE FOR DISPENSING AN INSECTICIDE FOR THE ELIMINATION OF MOTHS. Registered May 3, 1921. E. J. REEFER, Kansas City, Mo. Renewed May 3, 1941, to Reefer-Galler Inc., New York, N. Y., a corporation of New York, assignee.

142,148. **TUFFITE.** PUMP-VALVES. Registered May 3, 1921. STEWART R. BROWNE MFG. Co., INC., New York, N. Y., a corporation of New York. Renewed May 3, 1941.

142,163. **PRIMA DONNA.** HOSIERY. Registered May 3, 1921. A. V. VICTORIUS & COMPANY. Renewed May 3, 1941, to Burgio Bros., Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments.

142,251. **WISOID.** SHEET-PACKING AND GASKETS MADE OF VEGETABLE FIBER. Registered May 10, 1921. CONSOLIDATED PACKING & SUPPLY Co., New York, N. Y., a corporation of New York. Renewed May 10, 1941.

142,278. **BELMONT.** ROOT-BEER AND GINGER-ALE. Registered May 10, 1921. H. B. HUNTER COMPANY, INCORPORATED, Norfolk, Va., a corporation of Virginia. Renewed May 10, 1941.

142,279. **HUNTER'S.** SYRUPS TO BE USED IN MAKING NONALCOHOLIC, MALTLESS SODA-FOUNTAIN BEVERAGES. Registered May 10, 1921. H. B. HUNTER COMPANY, INCORPORATED, Norfolk, Va., a corporation of Virginia. Renewed May 10, 1941.

142,330. **MASTIFF.** SAFETY-PINS. Registered May 10, 1921. SEARS, ROEBUCK AND Co., Chicago, Ill., a corporation of New York. Renewed May 10, 1941.

142,412. **JUMBO.** ROPE, CORD, AND TWINE MANUFACTURED FROM VEGETABLE FIBER. Registered May 17, 1921. AMERICAN MANUFACTURING COMPANY, Boston, Mass., and Brooklyn, N. Y. Renewed May 17, 1941, to American Manufacturing Company, Brooklyn, N. Y., a corporation of Massachusetts.

142,414. **LIGHTNING.** ROPE, CORD, AND TWINE MANUFACTURED FROM VEGETABLE FIBER. Registered May 17, 1921. AMERICAN MANUFACTURING COMPANY, Boston, Mass., and Brooklyn, N. Y. Renewed May 17, 1941, to American Manufacturing Company, Brooklyn, N. Y., a corporation of Massachusetts.

142,415. **BOND.** ROPE, CORD, AND TWINE MANUFACTURED FROM VEGETABLE FIBER. Registered May 17, 1921. AMERICAN MANUFACTURING COMPANY, Boston, Mass., and Brooklyn, N. Y. Renewed May 17, 1941, to American Manufacturing Company, Brooklyn, N. Y., a corporation of Massachusetts.

142,644. **NORTON.** GRINDING-WHEELS AND ABRASIVE STONES. Registered May 17, 1921. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed May 17, 1941.

142,650. **K D.** ELECTRIC LAMPS FOR AUTOMOBILES AND OTHER VEHICLES. Registered May 17, 1921. THE K-D LAMP COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed May 17, 1941.

142,746. **SANIFORK.** PAPER FORKS. Registered May 17, 1921. THE SANITARY PRODUCTS CORPORATION OF AMERICA, Philadelphia, Pa. Renewed May 17, 1941, to The Sanitary Products Corporation of America, Plainfield, N. J., a corporation of Virginia.

142,754. **ECONOMY.** GASOLENE-ENGINES. Registered May 17, 1921. SEARS, ROEBUCK AND Co., Chicago, Ill., a corporation of New York. Renewed May 17, 1941.

142,760. **SKRIP.** WRITING FLUIDS. Registered May 17, 1921. W. A. SHEAFFER PEN COMPANY, Fort Madison, Iowa, a corporation of Delaware. Renewed May 17, 1941.

142,926. **INAVALE.** CANNED FRUITS AND CANNED VEGETABLES. Registered May 24, 1921. H. A. BAKER, INC. Renewed May 24, 1941, to Washington Packers, Inc., Sumner, Wash., a corporation of Washington, assignee by mesne assignments.

142,952. **THE DELTOR.** INSTRUCTION SHEETS OR CHARTS FOR DRESSMAKERS' PATTERNS. Registered May 24, 1921. THE BUTTERICK PUBLISHING COMPANY. Renewed May 24, 1941, to The Butterick Company, Inc., New York, N. Y., a corporation of New York, assignee.

142,958. **WEARPLEDGE.** HOSIERY FOR MEN, WOMEN, AND CHILDREN. Registered May 24, 1921. CHIPMAN KNITTING MILLS, Easton, Pa. Renewed May 24, 1941, to Chas. Chipman's Sons Co., Inc., New York, N. Y., a corporation of New York, assignee.

143,057. **EMRAL.** NON-ALCOHOLIC BEVERAGES SOLD AS SOFT DRINKS AND SYRUP COLORS AND FLAVORS USED IN THE PREPARATION THEREOF. Registered May 24, 1921. KAMM Co. Renewed May 24, 1941, to Kamm & Schellinger Company, Inc., Mishawaka, Ind., a corporation of Indiana, assignee.

143,100. **4711.** ANTISEPTIC MOUTH-WASH AND SCALP REMEDY. Registered May 24, 1921. MULHENS & KROPFF, INCORPORATED, New York, N. Y. Renewed May 24, 1941, to Peter Mülhens, Cologne, Germany, assignee.

143,277. **AEC.** CERTAIN NAMED MOTOR-VEHICLES. Registered May 31, 1921. THE ASSOCIATED EQUIPMENT COMPANY, LIMITED, Westminster, London, England. Renewed May 31, 1941, to The Associated Equipment Company Limited, Southall, England, an incorporated company of Great Britain.

143,408. **4711.** MEDICATED SOAPS AND SHAVING-SOAPS. Registered May 31, 1921. MULHENS & KROPFF, INCORPORATED, New York, N. Y. Renewed May 31, 1941, to Peter Mülhens, Cologne, Germany, assignee.

143,471. **S & H.** CANDIES OF VARIOUS KINDS AND ICE-CREAM. Registered May 31, 1921. SIMMONS & HAMMOND MANUFACTURING COMPANY, Portland, Maine. Renewed May 31, 1941, to General Ice Cream Corporation, Schenectady, N. Y., a corporation of New York, assignee by mesne assigments.

143,530. **GLOBE.** LEAD-PENCILS. Registered June 7, 1921. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Renewed June 7, 1941, to American Lead Pencil Company, Hoboken, N. J., a corporation of New York.

143,648. **HUNTER'S.** SYRUPS FOR FOOD PRODUCTS, CANNED FRUITS, BOUILLONS, AND A PREPARATION OF MILK, COCOA, AND SUGAR FOR PREPARING HOT CHOCOLATE OR COCOA BY THE ADDITION OF WATER. Registered June 7, 1921. H. B. HUNTER COMPANY, INCORPORATED, Norfolk, Va., a corporation of Virginia. Renewed June 7, 1941.

144,207. **4711.** CERTAIN NAMED TOILET PREPARATIONS. Registered June 28, 1921. MULHENS & KROPFF, INCORPORATED, New York, N. Y. Renewed June 28, 1941, to Peter Mülhens, Cologne, Germany, assignee.

144,580. **NUROID.** PREPARED ROOFING ORDINARILY SOLD IN ROLLS. Registered July 12, 1921. THE HEPPES-NELSON ROOFING COMPANY, Chicago, Ill. Renewed July 12, 1941, to The Flintkote Company, New York, N. Y., a corporation of Massachusetts, assignee by mesne assignments.

144,622. **WORM STICK-TIGHT.** SCREW-WORM PREVENTIVE. Registered July 12, 1921. C. C. PARKER, Mercedes, Tex. Renewed July 12, 1941.

144,695. **GENASCO SEALBAC.** WATERPROOF ROOFING SHEETS AND SHINGLES. Registered July 19, 1921. THE BARBER ASPHALT PAVING COMPANY, Philadelphia, Pa. Renewed July 19, 1941, to Barber Asphalt Corporation, Barber, N. J., a corporation of New Jersey, assignee.

144,697. **BRILLIANTSHINE.** METAL-POLISH. Registered July 19, 1921. G. E. BENNETT, San Francisco, Calif. Renewed July 19, 1941.

144,835. **CENTAPEX.** CERTAIN NAMED PAPERS. Registered July 19, 1921. HENRY B. LOUNSBURY, New York, N. Y. Renewed July 19, 1941, to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware, assignee by mesne assignments.

144,859. **ANGLE-TREAD.** RUBBER TIRES, CASINGS, AND TUBES. Registered July 19, 1921. THE MARATHON TIRE & RUBBER Co., Cuyahoga Falls, Ohio. Renewed July 19, 1941, to The Goodyear Tire & Rubber Company, Akron, Ohio, a corporation of Ohio, assignee by mesne assignments.

144,957. **UNION.** METAL LAMP-POSTS FOR ELECTRIC LIGHTS. Registered July 19, 1921. THE UNION METAL MANUFACTURING COMPANY, Canton, Ohio, a corporation of Ohio. Renewed July 19, 1941.

145,047. **GILT EDGE.** CERTAIN NAMED FABRICS IN THE PIECE. Registered July 26, 1921. THE BRAINERD & ARMSTRONG COMPANY, New London, Conn. Renewed July 26, 1941, to Belding Heminway Company, New York, N. Y., a corporation of Connecticut, assignee.

145,611. **REPRESENTATION OF A STAR, ETC.** CERTAIN NAMED BEVERAGES, MALT EXTRACTS, MALT SYRUPS, MALT TONIC, NEAR BEER, ETC. Registered August 16, 1921. VAL BLATZ BREWING COMPANY. Renewed August 16, 1941, to Blatz Brewing Company, Milwaukee, Wis., a corporation of Wisconsin, by change of name.

145,712. **HAMILTONIAN.** FRESH CITRUS FRUITS. Registered August 16, 1921. LAKE HAMILTON CITRUS GROWERS ASSOCIATION, Lake Hamilton, Fla. Renewed August 16, 1941, to Lake Hamilton Citrus Growers Association, Winter Haven, Fla., a corporation of Florida.

145,770. **TRIAM.** COTTON PIECE GOODS. Registered August 16, 1921, to PACIFIC MILLS, Lawrence and Boston, Mass. Renewed August 16, 1941, to Pacific Mills, Lawrence, Mass., a corporation of Massachusetts.

145,813. **SMOOTH-ON.** SHEET-PACKING CONTAINING COMMINUTED IRON AND SHEET-METAL GASKETS. Registered August 16, 1921. SMOOTH-ON MANUFACTURING COMPANY, Jersey City, N. J., a corporation of New Jersey. Renewed August 16, 1941.

145,814. **SMOOTH-ON.** ADHESIVE TAPE FOR REPAIR PURPOSES AND THE LIKE. Registered August 16, 1921. SMOOTH-ON MANUFACTURING COMPANY, Jersey City, N. J., a corporation of New Jersey. Renewed August 16, 1941.

145,846. **BLATZ.** CERTAIN NAMED BEVERAGES, MALT EXTRACTS, MALT SYRUP, MALT TONIC, NEAR BEER, ETC. Registered August 16, 1921. VAL BLATZ BREWING COMPANY. Renewed August 16, 1941, to Blatz Brewing Company, Milwaukee, Wis., a corporation of Wisconsin, by change of name.

145,931. **NEPHTOL.** HOME MEDICINES FOR DISEASES OF THE KIDNEYS AND BLADDER. Registered August 23, 1921. BOERICKE & RUNYON CO., San Francisco and Oakland, Calif. Renewed August 23, 1941, to Boericke & Runyon Co., San Francisco, Calif., a corporation of California.

145,995. **AQUANON.** A WATERPROOFING COMPOSITION FOR FABRICS OF ALL KINDS. Registered August 23, 1921. WILLIAM B. PRICE. Renewed August 23, 1941, to Price Fire & Water Proofing Co., Poughkeepsie, N. Y., a corporation of New York, assignee.

146,007. **DODG'EM.** HAND OPERATED TOY CARS FOR INDOOR OR OUTDOOR USE. Registered August 23, 1921. STOEHRER & PRATT DODGEM CORPORATION. Renewed August 23, 1941, to Dodgem Corporation, Lawrence, Mass., a corporation of Massachusetts, by change of name.

146,126. **PRODUCT.** COTTON PIECE GOODS. Registered August 30, 1921. PACIFIC MILLS, Lawrence and Boston, Mass. Renewed August 30, 1941, to Pacific Mills, Lawrence, Mass., a corporation of Massachusetts.

146,210. **DE MET'S.** CANDY. Registered September 6, 1921. DE MET AND COMPANY. Renewed September 6, 1941, to De Met's, Inc., Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

146,338. **RODOL.** OIL FOR TREATMENT OF ROAD-SURFACES. Registered September 6, 1921. THE PURE OIL COMPANY, Columbus, Ohio. Renewed September 6, 1941, to The Pure Oil Company, Chicago, Ill., a corporation of Ohio.

146,382. **REPRESENTATION OF A BABY.** SHOES MADE OF LEATHER, FABRIC, OR COMBINATION OF LEATHER AND FABRIC. Registered September 6, 1921. UNITED DRUG COMPANY. Renewed September 6, 1941, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

146,555. **BELDENAMEL.** MAGNET-WIRES. Registered September 13, 1921. BELDEN MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 13, 1941.

146,556. **BELDENITE.** RUBBER-COVERED ELECTRICAL CONDUCTORS. Registered September 13, 1921. BELDEN MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 13, 1941.

146,578. **CLYDELLA.** CERTAIN ARTICLES OF CLOTHING. Registered September 13, 1921. WILLIAM HOLLINS & COMPANY, LIMITED, London and Mansfield, England. Renewed September 13, 1941, to William Hollins & Company, Limited, Nottingham, England, a British corporation.

146,604. **FLIPFLOP.** ELECTRIC TOASTERS. Registered September 13, 1921. THE RUTENBER ELECTRIC CO., Marion, Ind., a corporation of Indiana. Renewed September 13, 1941.

146,711. **CHESLER'S.** BURLAP, JUTE, AND COTTON BAGS. Registered September 20, 1921. HENRY CHESLER, Cleveland, Ohio. Renewed September 20, 1941.

146,727. **DILL'S EZ-A-COLD.** CERTAIN NAMED MEDICINAL PREPARATION. Registered September 20, 1921. THE DILL COMPANY, Norristown, Pa., a corporation of Pennsylvania. Renewed September 20, 1941.

146,728. **DUNLOP.** RUBBER TIRES AND PARTS THEREOF—NAMELY, TUBES, SHOES, AND CASINGS. Registered September 20, 1921. DUNLOP TIRE AND RUBBER CORPORATION OF AMERICA, Tonawanda, N. Y. Renewed September 20, 1941, to Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York, by change of name.

146,784. **KEENCO.** MOLDING-SAND. Registered September 20, 1921. THE KEENER SAND AND CLAY COMPANY, Columbus, Ohio, a corporation of Ohio. Renewed September 20, 1941.

146,877. **SMOOTH-ON.** CERTAIN NAMED SUBSTANCES USED AS A CEMENT IN PIPE-JOINTS AND FOR STOPPING LEAKS. Registered September 20, 1921. SMOOTH-ON MANUFACTURING COMPANY, Jersey City, N. J., a corporation of New Jersey. Renewed September 20, 1941.

147,024. **RUST-I-CIDE.** A CHEMICAL PREPARATION FOR REMOVING RUST. Registered September 27, 1921. THE RUSTICIDE COMPANY. Renewed September 27, 1941, to T. T. Holt, Cleveland, Ohio, assignee by mesne assignments.

147,026. **KREFECTO.** DISINFECTANT, INSECTICIDE, AND DEODORIZER. Registered September 27, 1921. SAN ANTONIO DRUG COMPANY, San Antonio, Tex., a corporation of Texas. Renewed September 27, 1941.

147,083. **MOONE'S EMERALD OIL.** ANTISEPTIC, GERMICIDAL, AND ANODYNE OIL. Registered October 4, 1921. FRED W. CLEMENTS. Renewed October 4, 1941, to International Laboratories, Inc., Rochester, N. Y., a corporation of New York, assignee.

147,169. **E-Z-BOS.** FLY, INSECT, AND GERM DESTROYER. Registered October 4, 1921. HARRY J. SMITH. Renewed October 4, 1941, to D. B. Smith & Company Inc., Utica, N. Y., a corporation of New York, assignee by mesne assignments.

147,298. **DAZEY.** CHURNS. Registered October 11, 1921. DAZEY CHURN AND MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed October 11, 1941.

147,299. **DAZEY.** CHURNS. Registered October 11, 1921. DAZEY CHURN AND MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed October 11, 1941.

147,311. **FITZPATRICK'S.** CLEANING AND SCOURING PREPARATION IN POWDERED FORM. Registered October 11, 1921. FITZPATRICK BROS., Chicago, Ill., a corporation of Illinois. Renewed October 11, 1941.

147,312. **SUPERIOR.** SOAP. Registered October 11, 1921. FITZPATRICK BROS., Chicago, Ill., a corporation of Illinois. Renewed October 11, 1941.

147,341. **TRAINED MEN.** A PERIODICAL ISSUED MONTHLY. Registered October 11, 1921. INTERNATIONAL CORRESPONDENCE SCHOOLS, Scranton, Pa., a corportion of Pennsylvania. Renewed October 11, 1941.

147,421. **GLOSSILLA.** CERTAIN ARTICLES OF CLOTHING. Registered October 11, 1921. BERNHARD ULLMANN CO. INC., New York, N. Y., a corporation of New York. Renewed October 11, 1941.

147,434. **WILCO.** CERTAIN RIVETS. Registered October 11, 1921. THE H. A. WILSON COMPANY, Newark, N. J., a corporation of New Jersey. Renewed October 11, 1941.

147,538. **AU ANTI-URIC.** RHEUMATISM MEDICINE. Registered October 25, 1921. THE ANTI-URIC COMPANY, San Francisco, Calif., a corporation of California. Renewed October 25, 1941.

147,560. **COTE BRILLIANTE.** MUCILAGE. Registered October 25, 1921. BUXTON & SKINNER PRINTING AND STATIONERY COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed October 25, 1941.

147,564. **HY-TONE.** CANDY. Registered October 25, 1921. G. W. CHASE & SON MER. CO. Renewed October 25, 1941, to Chase Candy Company, St. Joseph, Mo., a corporation of Missouri, by change of name.

147,574. **ARMORSPAR.** VARNISH. Registered October 25, 1921. COOK PAINT & VARNISH COMPANY, Kansas City, Mo. Renewed October 25, 1941, to Cook Paint & Varnish Company, North Kansas City, Mo., a corporation of Delaware, successor.

147,575. **ARMORFLOOR.** VARNISH. Registered October 25, 1921. COOK PAINT & VARNISH COMPANY, Kansas City, Mo. Renewed October 25, 1941, to Cook Paint & Varnish Company, North Kansas City, Mo., a corporation of Delaware, successor.

147,576. **ARMORCOTE.** VARNISH. Registered October 25, 1921. COOK PAINT & VARNISH COMPANY, Kansas City, Mo. Renewed October 25, 1941, to Cook Paint & Varnish Company, North Kansas City, Mo., a corporation of Delaware, successor.

147,577. **VITALOSE.** SUGAR. Registered October 25, 1921. CORN PRODUCTS REFINING COMPANY, New York, N. Y., a corporation of New Jersey. Renewed October 25, 1941.

147,602. **ACE HIGH.** FRESH CITRUS FRUITS. Registered October 25, 1921. CHESTER C. FOSGATE CO., Orlando, Fla., a corporation of Florida. Renewed October 25, 1941.

147,603. **WHALE.** PEANUTS IN THE SHELL. Registered October 25, 1921. FRANKLIN PEANUT COMPANY, Franklin, Va., a firm. Renewed October 25, 1941.

147,636. **INGENIERÍA INTERNACIONAL.** A PERIODICAL PUBLICATION. Registered October 25, 1921. MCGRAW-HILL COMPANY, INC. Renewed October 25, 1941, to Business Publishers International Corporation, New York, N. Y., a corporation of New York, assignee.

147,692. **STANLEY S. W.** CERTAIN TOOLS. Registered October 25, 1921. THE STANLEY WORKS, New Britain, Conn., a corporation of Connecticut. Renewed October 25, 1941.

147,694. **SWISS JEWEL CO.** METER, WATCH, AND INDUSTRIAL JEWELS AND SYNTHETIC AND NATURAL CUT STONES. Registered October 25, 1921. HERMAN D. STEEL. Renewed October 25, 1941, to The Swiss Jewel Company, Philadelphia, Pa., a partnership, assignee.

147,712. **EVERSHARP.** LEAD-PENCILS. Registered October 25, 1921. THE WAHL COMPANY. Renewed October 25, 1941, to Eversharp, Inc., Chicago, Ill., a corporation of Delaware, by merger.

147,758. **REMEMBRANCE ADVERTISING.** ART-CALENDARS, GREETING-CARDS, AND MOTTOES. Registered November 1, 1921. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Renewed November 1, 1941.

147,765. **CRYSTAL.** WHITE, COLORED, MANILA, AND WAXED TISSUE-PAPERS. Registered November 1, 1921. THE CRYSTAL TISSUE CO., Excello, Ohio. Renewed November 1, 1941, to The Crystal Tissue Company, Middletown, Ohio, a corporation of Ohio.

147,780. **ROGERS AND BRO.** SILVER-PLATED FLATWARE—NAMELY, FORKS, SPOONS, LADLES, AND KNIVES. Registered November 1, 1921. INTERNATIONAL SILVER COMPANY, Meriden and Waterbury, Conn. Renewed November 1, 1941, to International Silver Company, Meriden, Conn., a corporation of New Jersey.

147,826. **ENZYMAZE.** AN INGREDIENT USED IN MANUFACTURE OF BREAD AND OTHER KINDS OF BAKED FOODS. Registered November 1, 1921. WARD BAKING COMPANY. Renewed November 1, 1941, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

REISSUES

JUNE 24, 1941

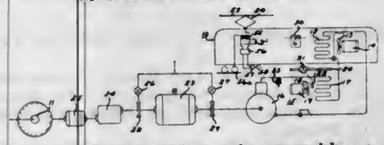
21,837

REFRIGERATING APPARATUS

Donald F. Alexander, Charles F. Henney and Charles L. Paulus, Dayton, Ohio, assignors to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Original No. 2,104,382, dated January 4, 1938, Serial No. 129,024, March 4, 1937. Renewed September 16, 1937. Application for reissue June 29, 1938, Serial No. 216,630

30 Claims. (Cl. 62—117)



23. In a vehicle; a live axle assembly; a compressor; a motor; a battery; torque transmitting means between said compressor and motor; control means, responsive to refrigeration conditions, to cause said motor to be energized from said battery, to drive said compressor independently of said live axle assembly when the vehicle is running below a certain speed limit and, when the vehicle is running above a certain speed limit, to cause said live axle assembly to supply power for operating said motor and compressor; a source of outside electrical energy; means on said vehicle for utilizing said energy in operating said motor; means whereby said control means stops said motor whenever refrigeration is no longer required; and means for rendering said live axle assembly inoperative for operating said compressor in response to energization from said outside source of electrical energy.

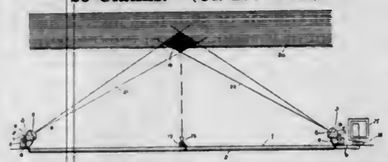
21,838

AERONAUTICAL DEVICE

John P. Buckley, Washington, D. C., assignor of one-half to Ben J. Chromy, Washington, D. C.

Original No. 2,081,134, dated May 25, 1937, Serial No. 377,156, July 10, 1929. Application for reissue March 29, 1939, Serial No. 264,856

25 Claims. (Cl. 177—352)



25. Signaling apparatus, comprising: means for producing and projecting a plurality of beams of radiant energy to a remote point, said beam projecting means being pivotally mounted for oscillation through a predetermined angle so that said beams may be made to converge on surfaces of an object normally adapted to reflect large percentages of such radiant energy, radiant energy sensitive receiving means positioned to be energized by the radiant energy reflected from said object when the beams converge on said object, and means responsive to said receiving means for producing different signals for different distances between said radiant energy reflecting object and said receiving means.

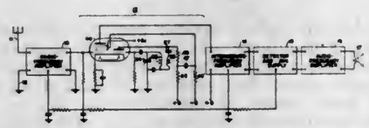
21,839

FREQUENCY CONVERTER

John F. Farrington, Tilton, N. H., assignor to Hazeltine Corporation, a corporation of Delaware

Original No. 2,166,522, dated July 18, 1939, Serial No. 196,124, March 16, 1938. Application for reissue April 10, 1941, Serial No. 387,991

11 Claims. (Cl. 250—20)



1. A frequency converter comprising a modulator section and an oscillator section, each of said sections including a space current path comprising input and output electrodes, a signal-input circuit coupled to the modulator input electrode, a frequency-determining circuit coupled to said oscillator section, impedance means included in the space current path of said oscillator section and substantially uncoupled with said frequency-determining circuit, a second input electrode in the space current path of said modulator section, and means for coupling an oscillation voltage developed across said impedance to said second input electrode to modulate the signal input to said modulator section, whereby the resonant frequency of said frequency-determining circuit is not appreciably affected by variations in the impedance of the circuit of said second electrode.

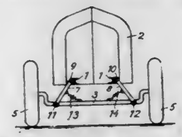
21,840

MOTOR VEHICLE

Joachim Kolbe, Detroit, Mich.

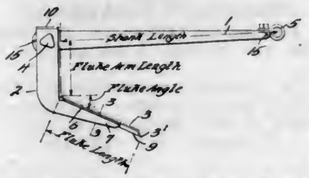
Original No. 2,072,521, dated March 2, 1937, Serial No. 56,268, December 26, 1935. Application for reissue February 18, 1939, Serial No. 257,119. In Germany December 28, 1934

2 Claims. (Cl. 280—112)



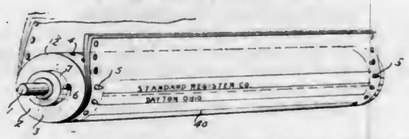
2. In a motor vehicle having front and rear axles, a body, connecting means between the body and axles comprising angularly disposed rigid links pivotally connected longitudinally of the vehicle at their lower end to the body and at their upper end to the axles, the transverse distance between the ends of the links connected to the body remaining constant and the transverse distance between the ends of the links connected to the axles remaining constant, the upper ends of said links being closer together than the bottom ends whereby the body will assume an inclined position towards the inside of the curve relative to the axles accompanied by a raising of the center of gravity of the body relative to the axles when subjected to lateral forces as the vehicle rounds a curve.

21,841
ANCHOR
John K. Northrop, Los Angeles County, and Harry M. Gesner, Santa Monica, Calif.
Original No. 2,075,827, dated April 6, 1937, Serial No. 698,776, November 20, 1933. Application for reissue July 17, 1939, Serial No. 284,970
18 Claims. (Cl. 114—207)



16. A light weight anchor comprising a shank, a cable attachment at one end of said shank, a fluke, and a fluke arm connected to said fluke and said shank and supporting said fluke at a fixed fluke angle of substantially 25° to said shank, said shank, said fluke and said fluke arm being so proportioned that said fluke is positioned so that a straight line drawn from the center of the area of said fluke to said cable attachment is at an angle of substantially 45° to the plane of said fluke, and so that a straight line drawn from the digging end of said fluke to said cable attachment is at an angle of substantially 60° to the plane of said fluke, whereby the holding power in penetrable bottom is substantially independent of weight.

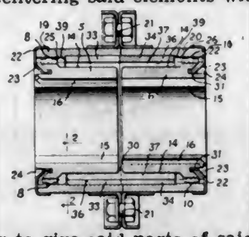
21,842
PLATEN ROLL FOR WRITING MACHINES
John Q. Sherman and Albert W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman; Katherine M. Sherman, William C. Sherman, and Wellmore B. Turner executors of estate of said John Q. Sherman, deceased
Original No. 2,067,211, dated January 12, 1937, Serial No. 687,303, August 29, 1933. Application for reissue January 9, 1939, Serial No. 249,980
40 Claims. (Cl. 197—133)



1. A platen roll for a writing machine including a pair of relatively adjustable concentric heads, a shaft on which the heads are mounted for relative adjustment toward and from each other, and a longitudinally split platen roll section positioned between the heads and interchangeable with other platen roll sections of different lengths engageable between the heads in different positions of relative adjustment thereof to accommodate record material of different widths.

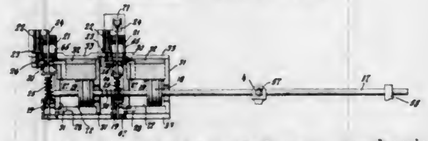
21,843
FLEXIBLE COUPLING
Robert A. Smith, Mahwah, N. J., and John J. Serrell, deceased, late of Elizabeth, N. J., by Robert A. Smith, assignee
Original No. 2,201,799, dated May 21, 1940, Serial No. 258,440, February 25, 1939. Application for reissue August 22, 1940, Serial No. 353,737
10 Claims. (Cl. 64—9)

10. A gear type coupling comprising a pair of similar endwise-juxtaposed casing elements and an oil-displacing annulus within said casing for assisting in centering said elements with respect



to each other to give said parts of said casing a common axis, said casing elements overlying substantially all of said annulus.

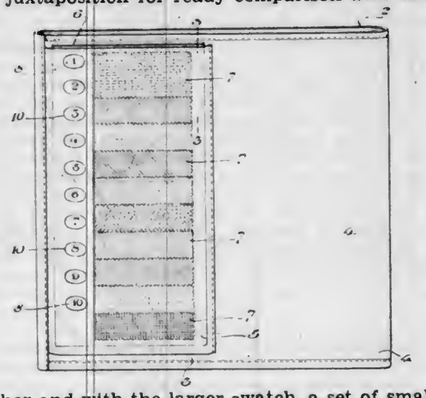
21,844
AUTOMATIC CHANGE SPEED GEAR MECHANISM
Johan Machiel Vetter, The Hague, Netherlands, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original No. 1,984,556, dated December 18, 1934, Serial No. 641,877, November 9, 1932. Application for reissue December 18, 1936, Serial No. 116,653. In the Netherlands November 11, 1931
55 Claims. (Cl. 74—472)



1. Automatic change speed gear mechanism specially adapted for motor vehicles comprising a driven shaft, an automatic device embodying a fan mounted on said driven shaft, a first pneumatic servomotor operating under the influence of the difference in pressure generated by said fan, a current distributing device comprising several contact pieces operated by said pneumatic servomotor, an electric power supply connected with said current distributing device, conducting means fixed to the contact pieces of the current distributing device, coils connected with said conducting means, a second pneumatic servomotor, a differential pressure supply for actuating said last mentioned pneumatic servomotor, control means for controlling the admission and the outlet of the air of said last mentioned pneumatic servomotor, said control means being actuated by said coils, a driving shaft, gear wheels freely rotating on said driving shaft, gear wheels fixed to said driven shaft, said gear wheels on said driven shaft constantly meshing with said gear wheels on said driving shaft, coupling means for coupling said gear wheels on said driven shaft with said driving shaft, connecting means for connecting said last mentioned pneumatic servomotor with one of said coupling means, a hand operated switch for putting the automatic device into or out of operation.

21,845
SWATCH
Rudolph Weinlich, Brooklyn, N. Y.
Original No. 2,179,767, dated November 14, 1939, Serial No. 244,943, December 10, 1938. Application for reissue April 23, 1940, Serial No. 331,242
17 Claims. (Cl. 35—56)

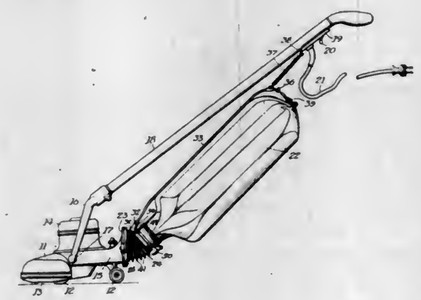
1. A relatively large swatch of cloth or textile fabric of sufficient size to drape over the arm or leg and having on a face thereof a pocket of materially less size than the swatch and having therein a removable supporting holder carrying in juxtaposition for ready comparison with each



other and with the larger swatch, a set of smaller swatches of the same pattern but of different weights or colors whereby a single large swatch with its associated small swatches will take the place of many large swatches.

21,846
SUCTION CLEANER
Harry B. White, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Original No. 2,099,413, dated November 16, 1937, Serial No. 554,271, July 31, 1931. Application for reissue July 3, 1939, Serial No. 282,742
14 Claims. (Cl. 15—16)

10. A detachable coupling and supporting device for the attachment and movable mounting of a dust filtering bag to and on a suction cleaner of the type including a nozzle, an exhaust outlet, and suction-creating means therebetween, comprising a rigid apertured mounting element adapted to be secured to the suction cleaner exhaust outlet, a second apertured rigid mounting element adapted to seat a dust bag, a corrugated



bellows-like conduit for air connecting the apertures in said mounting elements, a rigid means connecting said mounting elements for pivotal movement about an axis closely adjacent one side of said conduit whereby upon relative pivotal movement of said mounting elements the side of said conduit spaced a maximum distance from said axis receives the greatest expansion and contraction.

PLANT PATENTS

GRANTED JUNE 24, 1941

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

475
ROSE PLANT
Wilhelm Kordes, Holstein, Germany, assignor to Jackson & Perkins Company, Newark, N. Y.
Application February 10, 1941, Serial No. 378,265
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant of the floribunda class, characterized as to novelty by its abundance of foliage of heavy texture, freedom and continuity of blooming, and the size, shape, and color of its flowers, substantially as shown and described.

476
APRICOT
Carl Weschcke, St. Paul, Minn.
Application August 16, 1940, Serial No. 352,917
1 Claim. (Cl. 47—62)

The apricot variety herein disclosed, characterized by twigs having vigorous growth and resistance to sub-zero temperatures when grafted on plum stocks, and early-ripening fruit having irregular contour, skin with localized flecks of reddish purple against a background of rich apricot color, flesh with texture, flavor and keeping qualities as disclosed, and a thick stone.

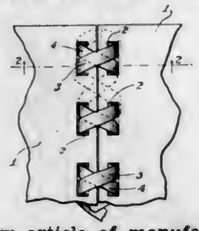
477
SEEDLESS PINEAPPLE ORANGE
Robert Lee Ragin, Shiloh, Fla., assignor to George W. Clapp, doing business as Clapp & Clapp, Orlando, Fla.
Application October 14, 1939, Serial No. 299,552
1 Claim. (Cl. 47—62)

A new and distinct variety of orange and orange tree of the pineapple type as described, characterized by the seedlessness of its fruit, as shown.

PATENTS

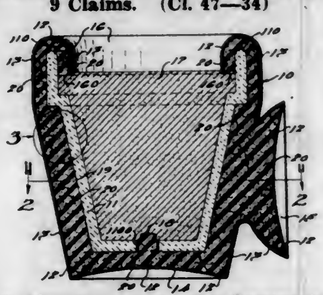
GRANTED JUNE 24, 1941

2,246,489
SPIRAL BINDER
Emil N. Farkas, Chicago, Ill., assignor of one-half to Frank F. Farkas, Chicago, Ill.
Application April 6, 1940, Serial No. 328,182
5 Claims. (Cl. 281—25)



1. As a new article of manufacture a spiral binder for marginally perforated book leaves consisting, for each book, of two helical coils, one coiled with a left-hand and the other with a right-hand thread, and both coils passing through the perforations.

2,246,490
FLOWERPOT HOLDER
Robert H. Flues, Detroit, Mich.
Application April 15, 1940, Serial No. 329,630
9 Claims. (Cl. 47—34)



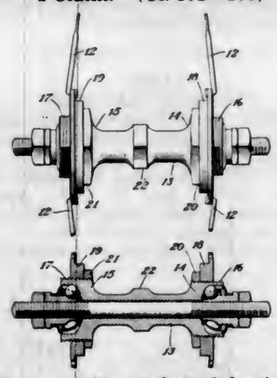
1. A holder for porous clay flowerpots fitting snugly around the sides and bottom thereof composed of sponge rubber having a non-porous outer surface and a porous inner surface.

2,246,491
RULING INSTRUMENT
Harold Q. Abell, Stockdale, Kans.
Application December 22, 1939, Serial No. 310,636
2 Claims. (Cl. 33—107)



1. In a drawing instrument, a device for controlling the position of said instrument on smooth surfaces comprising a disk formed of elastic material which will frictionally engage said surface and prevent slippage of the instrument, a second disk formed of hard material and provided with a polished outer face of less diameter than the first disk, the second disk projecting beyond the outer face of the first disk and normally engaging the surface so that the instrument will readily slide on said surface, means securing the second disk to the outer face of the first disk, the second disk movable inwardly when pressure is applied to the instrument so that the disk will be imbedded in the first disk and permit the first disk to frictionally engage the surface, the first disk resiliently supporting the second disk.

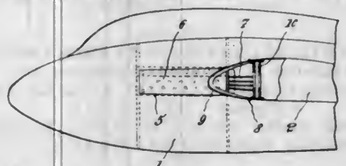
2,246,492
HUB FOR BICYCLE AND OTHER WHEELS
Lee Aldridge, deceased, late of Tulsa, Okla., by Cora Aldridge, executrix, Tulsa, Okla., assignor to Cora Aldridge, Tulsa, Okla., legatee
Application August 19, 1940, Serial No. 353,313
1 Claim. (Cl. 301—105)



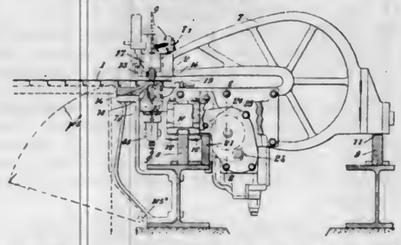
A hub comprising, a barrel having enlarged ends of greater diameter than the barrel, one of said ends being of less diameter than the other and both of said ends being externally screw threaded, one screw thread being right-handed and the other being left-handed, spoke flanges on the enlarged ends of the barrel having respective right- and left-handed screw threads engaging the threads of respective enlarged ends of the barrel, lock nuts on the enlarged ends of the barrel bearing against the inner sides of the spoke flanges, and an integral nut on the hub at substantially the center thereof adapted to receive a wrench for unscrewing the barrel from the spoke flanges to be removed endwise at the larger end from the spoke flanges after the lock nuts have been loosened.

2,246,493
AERIAL NAVIGATION MACHINE OF THE AIRPLANE TYPE
Félix Amiot, Neuilly-sur-Seine, France
Application January 31, 1939, Serial No. 253,927
In Luxemburg July 16, 1938
2 Claims. (Cl. 244—129)

1. An aircraft having a fuselage, an instrument board supported in said fuselage adjacent a side wall thereof, the wall of said fuselage having an opening therein opposite said instrument board whereby to provide access to the rear of said board, removable means for closing said opening, said means including an exterior sheet of material bulged whereby to provide continuity of the exterior surface of said fuselage, an inwardly extending flanged element secured to the inner side of said sheet, and substantially framing the area on the inner side of said bulged portion, and an inner sheet of material having an opposed pair of edges flanged and secured, respectively, to the inner extending portion of said flanged element whereby to transmit longitudinal forces exerted on said removable means, and means for removably securing said removable means to said fuselage.

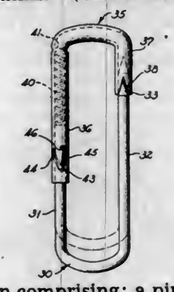


2,246,494
MEANS FOR ASSEMBLING ELEMENTS BY RIVETING
Félix Amiot, Neuilly-sur-Seine, France
Application January 31, 1939, Serial No. 253,928
In Luxemburg July 27, 1938
9 Claims. (Cl. 78—49)



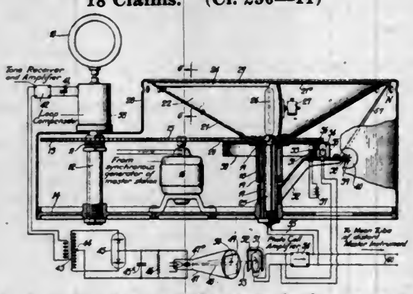
1. Means for assembling elements such as aeronautical construction elements by aligned riveting, comprising two groups of tools some of the tools of each group being adapted to come above the elements and the others of each group below the elements but in axial alignment with those coming above, the first group for effecting the punching of orifices in the elements, the second group for effecting the actual riveting of a rivet inserted in the orifice punched by the first group at the time of a preceding punching operation, the axis of the first group being spaced from the axis of the second group a distance determined by the pitch of the riveting, automatic means for inserting a rivet into each orifice in the elements subsequent to the punching operation and prior to the riveting, supporting means for the two groups of tools including a movable framework of C form its upper extremity having a head for the upper tools of each group and its lower extremity a head for the lower tools of each group, rollers mounted in the framework and fixed rails on which the rollers bear and are adapted to run, means for simultaneously operating both groups of tools to effect punching and riveting, fixed supporting means including a comb plate to come beneath the elements to hold the elements fixed and in position between the upper and lower tools of each group and in relation to the axial position of the tools during the punching and riveting operations, means in association with the lower part of the movable C framework carrying the tools for effecting in accordance with the riveting line a discontinuous movement between successive punching and riveting operations, this discontinuous relative movement being determined by the pitch of the riveting, and means for retaining the movable framework in each stopping position prior to the operation of the tools and for freeing the said framework from such retention after the operation of the tools, for the purposes set forth.

2,246,495
SAFETY PIN
Joseph H. Alessi, La Crescenta, and Stewart C. Lee, Glendale, Calif., assignors, by direct and mesne assignments, of twenty-five per cent to said Lee, ten per cent to Leslie G. Cloud and ten per cent to Walora R. Cloud, both of Glendale, Calif., five per cent to Leston L. Lovelace, Van Nuys, Calif., and fifty per cent to George L. Morris, Beverly Hills, and Kennedy Ellsworth, Los Angeles, Calif.
Application November 12, 1938, Serial No. 239,936
5 Claims. (Cl. 24—158)



1. A safety pin comprising: a pin member having a rearward leg and a forward leg with a pointed end; a hollow guard swiveled to said rearward leg of the pin member to rotate into and out of engagement with said pointed end; and a torsional spring housed in said guard to urge said guard and pin member into engaged position.

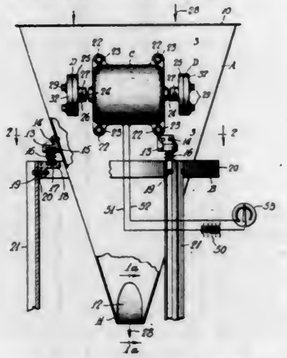
2,246,496
DIRECTION-FINDING ARRANGEMENT
George F. Asbury, New York, N. Y., assignor to Octavius Knight, as trustee for George F. Asbury, Otto G. Lindberg, and the firm of Knight Brothers, all of New York, N. Y.
Application July 21, 1938, Serial No. 220,459
18 Claims. (Cl. 250—11)



1. A method of visibily reproducing on a map to scale the geographic location of a distant ob-

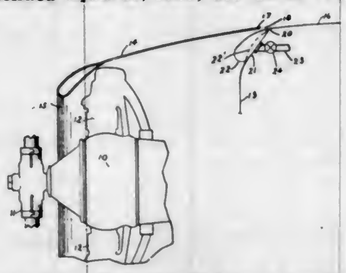
ject, consisting in sending radiant energy signals from the object, directionally receiving said signals simultaneously at two geographically spaced known points in the field, visibly locally producing at each field point, in a constant known direction, a geographically oriented base-line vector, visibly producing at each field point a directional vector controlled by and directionally varying in accordance with the direction of the signal receiver with respect to the distant object and angularly coordinated with said constant direction base-line vector, visibly reproducing on said map at each corresponding field point location a corresponding base line and a directional vector in the same angular relation to each other as at the corresponding field point synchronously with their occurrence at the field point, and manually adjusting the orientation of each base line visibly reproduced on said map to the known direction of the corresponding base line locally produced at the respective field point so that the intersection point of the reproduced directional vectors of the two field points visibly indicates on the map the geographic location of the object.

2,246,497
VIBRATING APPARATUS
William J. Beck, New York, N. Y.
Application February 3, 1938, Serial No. 188,516
5 Claims. (Cl. 221—120)



3. A feeding apparatus for finely divided pulverized or powdered materials, such as beans, salted peanuts, ground coffee, chocolate, puddings and so forth comprising a conduit or feed hopper converging downwardly, a frame structure embracing the lower portion of said conical conduit, said frame structure having spaced cups around the periphery thereof at a position intermediate of the height of said conical conduit, said conduit having outstanding cup structures to cooperate with the cup structures upon said frame structure, coil springs vertically positioned between and supported in said cup structures and supporting said conical conduit from said frame, a rotary electric motor mounted upon said conical conduit above said frame and above said cup structures and substantially below the top of said hopper, said motor being provided with a shaft which is transverse to the axis of the conduit and is provided with extensions beyond the motor, fixed disks attached to said extensions on each side of said motor, said disks having collars fitting upon said shaft extensions and fixed upon said shaft extensions, adjustable disks positioned against each of said fixed disks having a central slot receiving the ends of said shaft extensions, said fixed disks having a plurality of spaced pins positioned around said shaft extensions and said adjustable disks having a plurality of parallel slots receiving said pins, and lock means carried by said pins to fix said movable disks in adjusted position to unbalance said motor and cause a vibration to be transmitted from said motor to said conical conduit.

2,246,498
PNEUMATICALLY CONTROLLABLE COWLING
Clarence F. Blanding, Arlington, Va.
Application December 22, 1939, Serial No. 310,572
4 Claims. (Cl. 123—171)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an aircraft, a nacelle skin, a cowling positioned forwardly of said nacelle skin and having its trailing edge spaced from said nacelle skin to define an air exit passage therebetween, an air intake opening at the leading edge of said cowling, an aircraft power plant, cooling means for said power plant within said cowling between said air intake and exit, and means for adjusting said air exit comprising a pneumatic expandable and contractable member housed within said cowling at said exit, said pneumatic member being expandable to close said exit and collapsible to open said exit, whereby should said pneumatic member be punctured, said exit will be left opened.

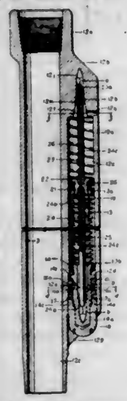
2,246,499
CAR CONSTRUCTION
Martin P. Blomberg, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application November 14, 1934, Serial No. 752,917
8 Claims. (Cl. 105—399)



1. In a railway car, an underframe including side sills, side frames including main posts, corner posts and top chords connecting the upper portions of the posts, the side sills and top chords being a part of the main stress framework of the car, and the former each having an inwardly extending flange adapted to form at least a part of the cable duct running longitudinally of the car adjacent to the side sills.

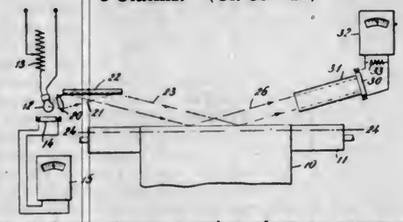
2,246,500
DIFFERENTIAL STAGE LIFT FLOW DEVICE, BELLOWS TYPE
Alexander Boynton, San Antonio, Tex.
Application December 8, 1939, Serial No. 308,311
5 Claims. (Cl. 137—111)

1. In a device for flowing wells, a valve body, a housing on said body, said housing having a cylindrical inner chamber with a fluid inlet at the upper end from the exterior of the valve body and a fluid outlet at the lower end communicating with the interior of said body, upper and lower valve seats in said housing, a tubular valve stem having upper and lower valves thereon ad-



jacent said seats, and means on said stem anchored to said housing and responsive to differential fluid pressures inside and outside said body to move said stem and said valves, said means closing the passage of fluid through said housing except by way of the tubular valve stem.

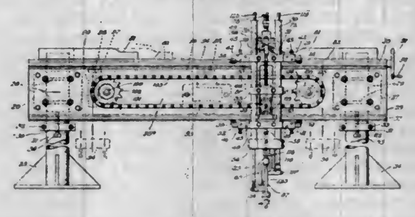
2,246,501
GLOSSMETER
Donald B. Bradner and George C. Munro, Hamilton, Ohio, assignors to The Champion Paper and Fibre Company, Hamilton, Ohio, a corporation of Ohio
Application March 1, 1939, Serial No. 259,155
8 Claims. (Cl. 88—14)



3. A device for measuring gloss on paper comprising a cylindrically convex support for giving a definite form and position to the paper whose gloss is being measured, a light source, a lens for collimating light from said source into a beam of substantially parallel rays, a cylindrical light converging element disposed parallel to said support and in the path of said beam with its focal line approximately coincident with the virtual focal line of the cylinder formed by the paper on said support, whereby that part of the light beam which is specularly reflected by the paper on said support is in the form of a substantially parallel beam, and means for measuring the intensity of that part of the light from said beam which is specularly reflected by the paper.

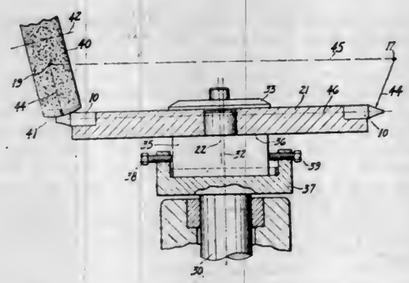
2,246,502
AUTOMATIC SPRAYING MACHINE
Svend Bramsen, Eric Gustafsson, and Fred W. Wahlin, Chicago, Ill., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application November 8, 1937, Serial No. 173,366
9 Claims. (Cl. 91—45)

4. A spraying device for spraying coating upon surfaces of articles carried by a conveyor in a given path and at a given speed, comprising a support located near said conveyor, a track carried by said support and disposed transversely of said path and in given fixed spaced relation thereto, a carriage on said track and reciprocable therealong, means carried by said support and connected to said carriage for reciprocating said carriage, a sprayer carried by said carriage; means for determining the time of spraying by said sprayer during the reciprocation of said carriage and sprayer, comprising relatively adjustable spaced cams supported on said support for



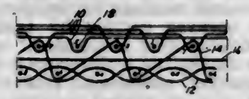
mutual adjustment to and from each other, an operable common element operatively connected to said cams for mutually adjusting said cams to and from each other when said common element is operated and when said track is in a given fixed distance with respect to the conveyor on which the articles to be sprayed are conveyed, a spring pressed movable member carried by said carriage and operatively connected to said sprayer, said member having a part so located as to normally move in the space between said cams and to alternately engage said adjusted cams during the reciprocation of said carriage and sprayer.

2,246,503
METHOD OF RELIEVING CUTTERS
Leonard O. Carlsen, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application May 24, 1940, Serial No. 337,025
5 Claims. (Cl. 51—288)



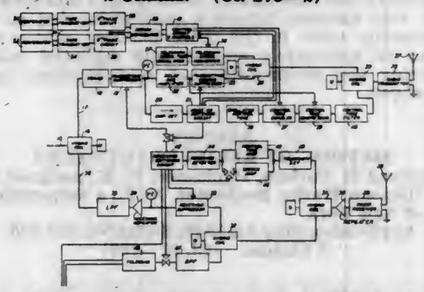
1. The method of relieving the side surfaces of blades of a disc-type gear cutter having radially arranged blades, which comprises mounting the blades non-radially in a rotary head but at a uniform distance from a common center, positioning a grinding wheel, that has an operating surface of curved profile in an axial plane, in engagement with a side surface of a blade, and rotating the grinding wheel on its axis while rotating the head on an axis eccentric of said common center.

2,246,504
WOVEN ELASTIC FABRIC
William D. Clement, Philadelphia, Pa., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 12, 1937, Serial No. 158,634
5 Claims. (Cl. 139—423)



1. A woven elastic fabric comprising facing, backing, elastic and binder threads in the warp joined by at least one filler, said backing threads being interwoven with filler to provide a backing ply, and said facing threads being interwoven with filler to provide a facing ply, the binder threads joining said plies, and the elastic threads extending between the plies and binder threads, said facing threads being of light weight cotton, floating over a plurality of picks between each engagement by the filler, staggered in such engagement, and provided with a fuzzy surface characteristic of abrasion of cotton substantially hiding the woven array of the facing threads and simulating the appearance of suede.

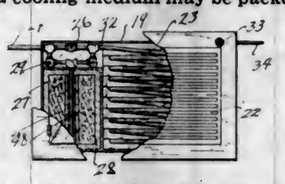
2,246,505
CONTROL SYSTEM
Ira E. Cole, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 10, 1939, Serial No. 303,767
2 Claims. (Cl. 178—2)



1. A circuit arrangement including a plurality of relays each having a first winding for driving the armature of said relay to a first contact and a second winding for driving the armature of said relay to a second contact, an energizing contact individual to each relay connected to both windings of said relay, a common contact connected to the first windings of all said relays, a common contact connected to the second windings of all said relays and a rectifier in circuit with each winding of said relays, said relays being operated when their individual energizing contacts and one of said common contacts are closed.

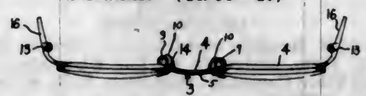
2,246,506
AIR CONDITIONER
Beaulard J. Compton, Oildale, Calif., assignor of fourteen per cent to Herman M. Price, San Francisco, Calif., fourteen per cent to Serg Besoyan, Delano, Calif., and fifteen per cent to Ross B. Walker, two and one-half per cent to Leland S. Hooper, and two and one-half per cent to Albert Diel, all of Bakersfield, Calif.
Application September 28, 1938, Serial No. 232,209
5 Claims. (Cl. 62—141)

1. An air conditioning unit comprising a heat exchanger, a housing, a cooling coil contained by the housing and connected to the heat exchanger, pipe means connected to the heat exchanger and coil to permit a liquid to be continuously passed therethrough, the said housing being substantially larger than the said coil, whereby a cooling medium may be packed around



the coil to reduce the temperature of the liquid flowing therethrough, and a plurality of removable plate elements arranged within the housing, said plate elements separating the coil from the cooling medium and being inserted in or removed from the housing to regulate the freezing effect of the cooling medium upon the liquid within the said coil.

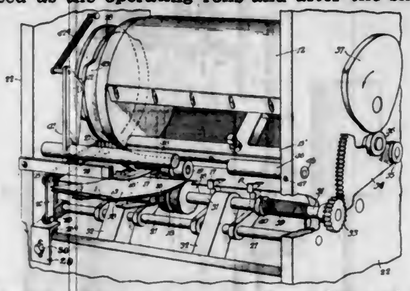
2,246,507
OPHTHALMIC MOUNTING
Charles O. Cozzens, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application May 25, 1938, Serial No. 210,006
2 Claims. (Cl. 88—47)



2. In an ophthalmic mounting, bridge means for connecting a pair of lenses and a temple connecting bar extending in substantially a straight line throughout the width of the assembled lenses and bridge means and having a central portion secured to the said bridge means, twisted portions immediately adjacent but spaced from said secured central portion, and lateral portions extending from said twisted portions to follow the upper contour edges of the lenses, said lateral portions having temple connecting means adjacent each end thereof, each face in the lateral portions lying in a plane substantially normal to that of the same face in the said central portions and said twisted portions presenting sloping faces to the front, whereby the said bridge means and temple connecting bar co-act to present a substantially rimless appearing mounting when viewed from the front, and said twisted portions being adapted to permit flexing in all directions and to remove flexing strain from said secured central portion of said temple connecting bar.

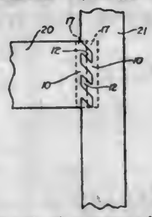
2,246,508
FEEDING AND REGISTERING APPARATUS
William Ward Davidson, Evanston, Ill.
Application September 18, 1937, Serial No. 164,546
30 Claims. (Cl. 271—53)

1. The combination of a machine including a pair of operating rolls and feeding means for feeding a sheet thereto in accurate registry with one of said rolls including a pair of advancing rollers; gauge stop means; means for feeding a sheet to the stop means and between the advancing rollers; means for moving the stop means and driving at least one advancing roller to cause the sheet to reach a speed equal to that of the operating rolls by the time it is fed thereto; control means for separating the advancing rollers while the sheet is fed thereto, causing them to grip the sheet while they are stationary and separating them to release the sheet while they are rotating with at least as great peripheral speed as the operating rolls and after the sheet



has been seized by the operating rolls; and return means acting constantly on a member rigid with the driven advancing roller to return it to its original position after the rollers are separated and to avoid backlash in the drive therefor.

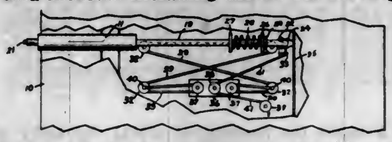
2,246,509
CONNECTING DEVICE
Albert Edward Davies, New Westminster, British Columbia, Canada
Application September 6, 1938, Serial No. 228,642
5 Claims. (Cl. 20—92)



1. A connecting device comprising, in combination, a connector formed with or secured to a member to be joined to another member, said connector having a base portion, a plurality of projections angularly disposed at suitable intervals from the base portion and a shoulder extending outwardly from the base portion along one side of the projections, and another connector formed with or secured to the other member, said last-mentioned connector having a base portion, a plurality of projections angularly disposed from the base portion at one side of its member and a shoulder extending outwardly from the base portion along the side of the projections remote from its member, the angularity of the projections of said connectors being arranged so that the projections of one fit between the projections and between the member and the shoulder of the other until the shoulders abut rigidly to connect the members together.

2,246,510
RETRACTABLE PITOT STATIC TUBE
Walter S. Diehl, United States Navy
Application July 6, 1939, Serial No. 283,030
4 Claims. (Cl. 244—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination with an aircraft structure a Pitot tube slidably mounted for movement from an extended operative position to a retracted position, a part of said tube at all times being housed within the aircraft structure, a member mounted on the Pitot tube within the aircraft structure, a pulley, means for mounting the pulley within the aircraft structure for movement in a path generally parallel to the path of movement of the Pitot tube, means connecting said pulley to said member including means for moving the

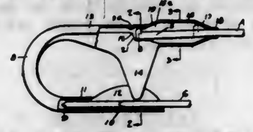


pulley one-half the movement of said member and in the same direction, pressure and impact tubes secured to the aircraft structure in the general neighborhood of the position of the rear end of the Pitot tube when in retracted position, then passing over said pulley and then connected to the rear end of the Pitot tube whereby slack is taken up in said tubes as the Pitot tube is extended and retracted.

2,246,511
TEXTILE MATERIAL
Paul Esselmann, Wolfen, Kreis Bitterfeld, and Karl Kösslinger and Joseph Düsing, Dessau, Germany, assignors, by mesne assignments, to Walther H. Duisberg, New York, N. Y.
No Drawing. Application December 29, 1937, Serial No. 182,250. In Germany January 6, 1937
2 Claims. (Cl. 106—40)

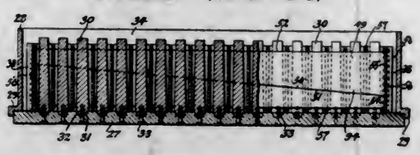
2. A method of producing fibers consisting chiefly of cellulose hydrate but having substantially the same affinity for acid wool dyestuffs as wool which method comprises adding to the solution from which said cellulose hydrate fibers are to be spun a mixed polymerizate from ethylene imine and carbondisulfide, said mixed polymerizate being in the form of an insoluble pigment of a grain size of about 0.5 to 1μ.

2,246,512
SAFETY FASTENER
Robert F. Haggerty, Square Butte, Mont.
Application May 22, 1940, Serial No. 336,589
4 Claims. (Cl. 24—158)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



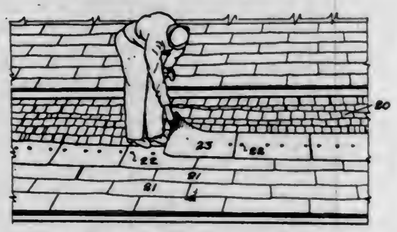
1. A fastener including a pin and a guard, the pin comprising spring connected front and rear members, the rear member having a catch, the guard comprising a front and rear arm, the rear arm having an oblong chambered portion for slidably and non-rotatably receiving the catch portion of the rear pin member and having an enlarged chambered portion for slidably and rotatably receiving said catch portion of the pin member, a latch carried by the rear arm and engageable with the catch within the enlarged chambered portion of the arm, said catch disengageable from the latch by axial rotation of the rear pin member, means on the rear arm for limiting movement of the rear pin member, the front arm of the guard having a lip for the front pin member and a socket for slidably receiving said front pin member.

2,246,513
MOLD FOR MAKING CELLULAR CORES FOR RADIATORS
Charles A. Hammond, Alden, N. Y.
Application October 28, 1939, Serial No. 301,826
9 Claims. (Cl. 22—151)



1. A mold for casting of metal the body of a cellular core for heat exchangers having a plurality of air tubes and a plurality of water channels arranged between adjacent rows of air tubes, said mold comprising a bottom plate adapted to form one side of the cast cellular core, a plurality of core posts for forming said tubes projecting upwardly from said bottom plate and arranged in rows, and core bars normally arranged in the lanes between adjacent rows of said posts to form said channels and adapted to be moved lengthwise from the casting.

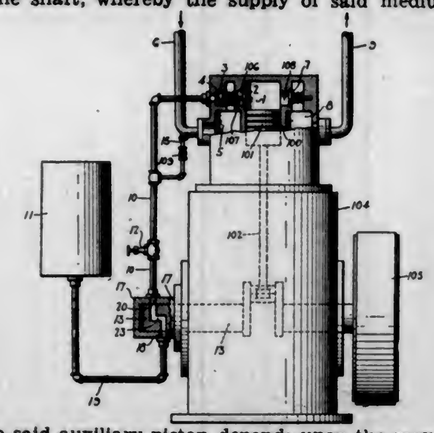
2,246,514
METHOD FOR FORMING BUILDING SURFACES
James Harris Hardy, Artesia, Miss.
Application June 14, 1940, Serial No. 340,421
23 Claims. (Cl. 108—6)



1. A method of surfacing a roof which includes preforming thin shingle-like units of cement mortar, intimately contacting substantially water-proof paper covers with the opposite faces of each said unit, moving each shingle so formed to the position in which it is to be used, and laying and securing it in place prior to initial setting of the cement.

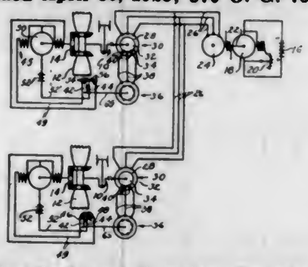
2,246,515
COMPRESSOR
Johann Heinrich and Eugen Spilger, Berlin-Tegel, Germany, assignors, by mesne assignments, to Maschinen- und Metallwaren-Handelsgesellschaft m. b. H., Berlin, Germany, a limited liability company of Germany
Application May 25, 1938, Serial No. 209,938
In Germany August 1, 1936
10 Claims. (Cl. 230—223)

1. In a compressor having a cylinder, a main piston reciprocable within said cylinder, a shaft operatively connected with said piston, a valve communicating with the interior of said cylinder, and an auxiliary piston operatively connected with said valve; said shaft comprising a bearing spindle having a bore hole formed therein; means supplying a pressure medium to said bore hole in a predetermined position of said shaft, and means supplying said medium from said bore hole to said auxiliary piston in said position of the shaft, whereby the supply of said medium



to said auxiliary piston depends upon the movements of the reciprocable main piston.

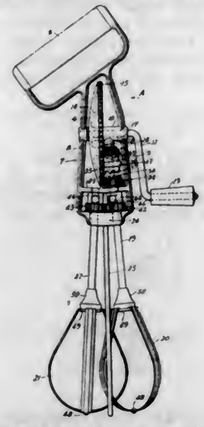
2,246,516
GOVERNING AND SYNCHRONIZING SYSTEM
Eugene Herzog, Dayton, Ohio
Application March 13, 1939, Serial No. 261,541
7 Claims. (Cl. 60—97)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. An electrical control system for regulating the speed of a prime mover comprising means for producing an electrical reference voltage of predetermined value, prime mover actuated means for producing a variable electrical voltage comparable with said reference voltage and proportional in value to the speed of said prime mover, means for producing a difference effect between said reference voltage and said variable voltage, and means responsive to said difference effect for varying the speed of said prime mover in proportion to the instantaneous magnitude of said difference effect.

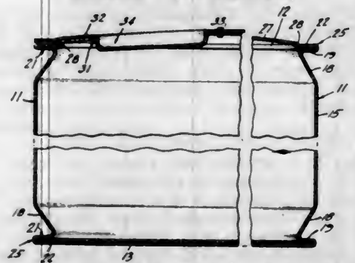
4. A synchronizing system for a plurality of prime movers comprising means for producing an electrical reference voltage, means associated with and actuated by each of said prime movers for producing variable electrical voltages comparable with said reference voltage and proportional in value to the speeds of said prime movers, respectively, means associated with said reference voltage producing means and each of said variable voltage producing means for producing a corresponding number of difference effects, and separate means responsive to said difference effects for controlling the speeds of said prime movers in proportion to the instantaneous magnitudes of said difference effects respectively.

2,246,517
BEATER
Frank O. Holister, Los Angeles, Calif.
Application March 30, 1939, Serial No. 264,884
1 Claim. (Cl. 74—370)



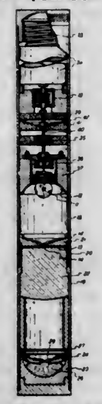
In a household beater, a crank, a shaft having a portion non-circular in cross section, the end of said portion providing a shoulder, idler gears freely rotatable on the shaft at either side of said portion, one gear being rotatably supported by said shoulder, means rotatably supporting the other idler gear on the shaft, mechanism driven by the crank and in turn rotating the idler gears at different peripheral speeds, and means to selectively connect the shaft with one idler gear or the other.

2,246,518
CONTAINER
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application April 28, 1938, Serial No. 204,899
1 Claim. (Cl. 229—5.5)



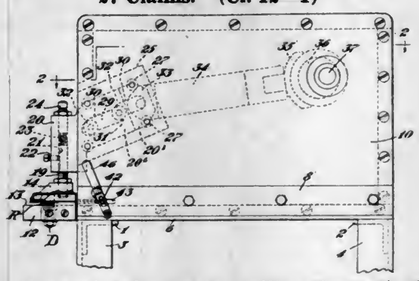
A container comprising a tubular fibre body having an end portion thereof inclined inwardly and thence outwardly to provide a substantially flat end supporting ledge, and an end closure member including a substantially flat peripheral portion engaging and supported by said ledge, the inner portion of said closure member comprising a domed central panel disposed above the plane of said ledge and terminating at its outer periphery in a downwardly extending reenforcing shoulder merging into said flat ledge, the terminal portion of said body outwardly of said ledge being folded inwardly and downwardly over said closure to constitute a substantially flat flange secured to the closure in a liquid-proof seam, the inner extremity of said flange abutting closely against the outer shouldered periphery of said domed central panel, whereby liquid foreign matter falling on the closure member will readily run off over the seam.

2,246,519
DRIFT RECORDER
Philip Jones, Los Angeles, Calif.
Application March 18, 1939, Serial No. 262,666
14 Claims. (Cl. 33—205.5)



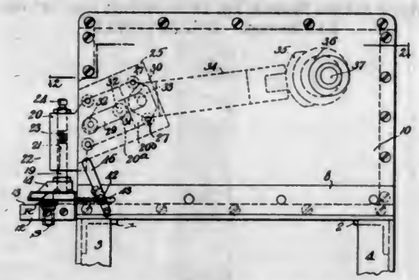
14. In a drift recorder: a tubular housing; a light-sensitive record member transversely disposed with respect to the axis of said housing; an illuminated point on the axis of said housing; a mirror adapted to assume a position in which its optical axis is vertical and to project an image of the said illuminated point upon said record member at a distance from the axis of said housing characteristic of the angle of inclination of said housing.

2,246,520
MACHINE FOR MANUFACTURING PREWELT SHOES
Jacob S. Kamborian, West Newton, Mass., assignor, by mesne assignments, to General Research, Inc., Boston, Mass., a corporation of Massachusetts
Application May 5, 1938, Serial No. 206,165
27 Claims. (Cl. 12—1)



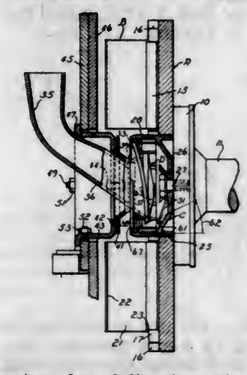
1. Apparatus for use in uniting the welt of a pre-welt shoe to a sole member, the outer surface of the welt being adhesive, said apparatus comprising means for initiating the downward and outward turning and flattening of the welt, and means operative progressively to flatten successive portions of the adhesive surface of the welt into firm contact with the surface of the sole member, and means for supporting the sole member while the welt is being united thereto.

2,246,521
MANUFACTURE OF PREWELT SHOES
Jacob S. Kamborian, West Newton, Mass., assignor to General Research, Inc., Boston, Mass., a corporation of Massachusetts
Original application May 5, 1938, Serial No. 206,165. Divided and this application October 24, 1939, Serial No. 300,930
11 Claims. (Cl. 12—142)



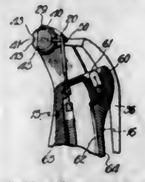
1. Method of making pre-welt shoes which comprises fitting an upper, securing a sole-attaching welt to the lower margin of the upper, providing an outer sole having means defining an abutment shoulder spaced inwardly from its edge, causing adhesion of the welt and sole to take place progressively from point to point along the margin of the sole by first subjecting the united edges of the upper and welt, at each such point, to a force whose major component is substantially parallel to the surface of the sole thereby to crowd said edges firmly against the abutment shoulder, and then subjecting the welt at each successive point to a force directed more nearly perpendicularly to the surface of the sole, thereby to adhere the welt firmly to the margin of the sole, and permanently uniting the welt to the outer sole.

2,246,522
ABRADING APPARATUS
Walter L. Keefer, Hagerstown, Md., assignor to Pangborn Corporation, Hagerstown, Md., a corporation of Maryland
Application March 10, 1938, Serial No. 195,138
15 Claims. (Cl. 51—9)



11. Apparatus for delivering abrasive at an abrading velocity comprising a rotor having a plurality of blades arranged substantially radial with respect to the axis of rotation of the rotor; a feed spout delivering abrasive near said axis of rotation; and a transfer mechanism interposed between said spout and said blades including a cup rotatable with said rotor with its discharge edge lying substantially in a plane transverse to said axis and between the ends of the inner edges of said blades, means to deliver abrasive from said cup into the path of rotation of said blades including a helical blade disposed about said axis and extending from a point within said cup to a point adjacent the discharge edge of said cup, and means to prevent a substantial discharge of abrasive from said cup except at said latter point.

2,246,523
POWER RAZOR
Irving Kulik, Brooklyn, N. Y.
Application April 30, 1937, Serial No. 139,835
3 Claims. (Cl. 30—43)



1. In a razor of the type described, a handle or body, a pair of arms projecting angularly from one end of said body, a cylindrical member having an open side, means for mounting said cylindrical member for rocking movement between said arms, manually operable means adjacent said handle or body for rocking said cylindrical member, and a cutting mechanism carried by said cylindrical member and having its operative portion projected through the open side of the cylindrical member.

2,246,524
GERMICIDE
Lucas P. Kyrides, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 10, 1938, Serial No. 224,116
11 Claims. (Cl. 167—22)

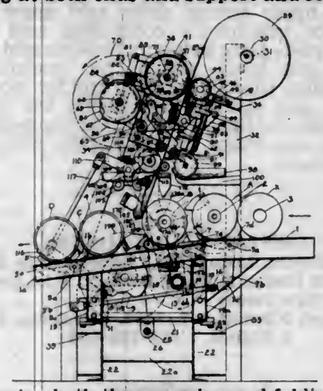
1. An agent for the control of bacteria, which comprises a compound selected from the group consisting of N-alkylated alkylene polyamines and salts thereof with acids, said N-alkylated alkylene polyamines corresponding to the general formula

$$X—NH—R—(NH—R)_n—NH—Y$$

in which R is an alkylene radical selected from the group consisting of ethylene, propylene and trimethylene radicals, n is a number from 0 to 4, and X and Y are selected from the group consisting of hydrogen and alkyl radicals at least one of which is an alkyl radical having not less than 12 and not more than 16 carbon atoms.

2,246,525
AUTOMATIC WRAPPING MACHINE
Albert John Matter, Park Ridge, Ill., assignor of one-half to E. B. Fallon, Chicago, Ill.
Application April 26, 1938, Serial No. 204,341
29 Claims. (Cl. 93—2)

1. In a machine for applying wrappers with overhanging edges and having mechanism for folding said overhanging edges onto the ends of a roll having a co-axial opening therethrough and registering co-axially with said wrapping and folding mechanisms, a pair of rotatable spindles co-axially reciprocal and having ends with toothed driving points adapted to enter said opening at both ends and support and rotate said



rolls during both the wrapping and folding operation.

2,246,526
RESINOUS PRODUCT HAVING ANION EXCHANGE PROPERTIES AND PROCESS OF PRODUCING SAME
Easton Melof, Chicago, Ill., assignor to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application January 20, 1938, Serial No. 185,930
7 Claims. (Cl. 260—72)

1. The process of producing a resinous condensation product having anion exchange properties, which comprises condensing a mono-N-acylated aryl polymine with a sufficient amount of an aldehyde selected from the group consisting of formaldehyde and acetaldehyde, to form an aryl-amine-aldehyde resinous condensation product, and thereafter de-acylating the N-acylamino group of the said resinous condensation product, whereby to convert said group to an amino group.

2,246,527
RESINOUS PRODUCT HAVING ANION EXCHANGE PROPERTIES AND METHOD OF PRODUCING SAME
Easton Melof, Chicago, Ill., assignor to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 3, 1938, Serial No. 188,453
9 Claims. (Cl. 260—72)

1. The process of producing an anion-exchange material which comprises condensing toluidine with formaldehyde in the presence of hydrochloric acid to form a condensation product, treating the latter with a mixture of nitric and glacial acetic acids to introduce at least one nitro group into the phenyl nucleus of the product, and reducing said nitro group to amino group by means of tin and hydrochloric acid.

3. The method of enhancing the anion-exchange capacity of a resinous condensation product of an aldehyde and an aryl amine having at least one primary amino-group, which comprises introducing at least one nitro group into the aromatic nucleus of said condensation product by means of a nitrating agent while protecting the basic groups thereof from the effect of said nitrating agent, and thereafter reducing said nitro group to an amino group and regenerating the original basic groups of said condensation product, whereby to produce a product of greater anion exchange capacity than the original resinous condensation product.

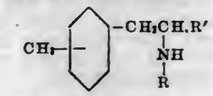
2,246,528
SPICE
Albert Musher, New York, N. Y., assignor to Musher Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 1, 1939, Serial No. 282,341
9 Claims. (Cl. 99—140)

1. An expanded, structure disrupted, exploded spice material, said spice material retaining substantially its original unity, the spice flavor of said spice material being more readily extractable.

4. The method of producing a spice that retains substantially its original unity with the spice flavor being more readily extractable, said method comprising subjecting the spice to an elevated temperature and pressure and subsequently suddenly releasing the temperature and pressure to a lower temperature and pressure, said procedure thereby producing a spice of structure disrupted condition.

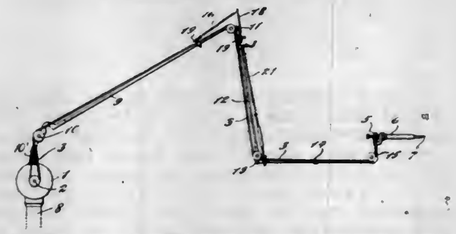
2,246,529
XYLYL METHYL CARBINAMINE
Fred P. Nabenhauer, Somerton, Pa., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application June 7, 1938, Serial No. 212,390
12 Claims. (Cl. 260—570.8)

4. A compound from the group consisting of compounds having the formula:



where R′ is a member of the group consisting of methyl, ethyl, propyl and isopropyl groups and R is a member of the group consisting of hydrogen and a methyl group; and salts of said compounds.

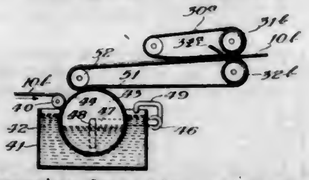
2,246,530
DENTAL ENGINE
William H. Nitschke, New York, N. Y.
Application February 14, 1940, Serial No. 318,825
2 Claims. (Cl. 32—24)



1. In a motor driven tool of the class described, a support and an upper arm hanging from said support, a fore-arm hanging from said upper arm on a horizontal pivot upon which it is movable to any angular position with respect to the upper arm without bodily displacement of said pivot, a hand piece secured at its rear end on the free end of said fore-arm, and a spring acting between said upper arm and fore-arm and tending

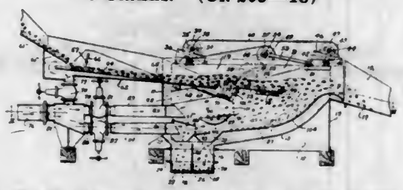
to rotate the fore-arm on its pivot to raise said fore-arm and thus balance the hand piece in the hand of the operator by relieving the downward pull of the fore-arm on the rear end of the hand piece.

2,246,531
APPARATUS FOR SATURATING FIBROUS STOCK
Izador J. Novak, Trumbull, Conn., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn., a corporation of New Jersey
Application January 30, 1937, Serial No. 123,197
Renewed November 27, 1939
7 Claims. (Cl. 91—18)



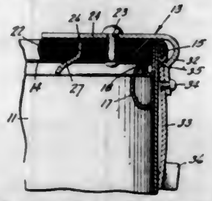
1. Apparatus for adding saturant to a wet fibrous web, comprising a receptacle containing a saturating solution for modifying the character of the web, a foraminated roll partly immersed in and rotating in a body of saturant, a porous conveyor for supporting and moving a wet fibrous web to dispose its normally upper surface in contact with the surface of the roll while simultaneously immersing said web in the saturating solution, a guide roll for bringing the web into supported relationship with the foraminated roll, and means disposed between the point of web immersion and the vertical plane of the axis of the foraminated roll in juxtaposed relation to the roll for resiliently compressing the web against the roll after immersion, said means comprising a resilient surfaced roller yieldingly urged toward the roll to retain the web thereon over a major portion of its unsubmerged area.

2,246,532
COAL CLEANING APPARATUS
Klaas Prins, Chicago, Ill.
Application April 17, 1940, Serial No. 330,081
5 Claims. (Cl. 209—18)



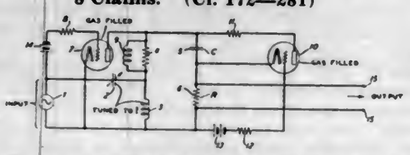
1. Coal cleaning apparatus of the class described comprising a frame of U-shaped cross section providing a path for the flow of water and coal mass therethrough, a coal feed trough projecting into said frame for feeding coal mass thereto, a guide plate structure within said frame separated from the end of said trough by a gap and cooperating with the trough to define an upper path for the flow of water and coal mass, means for applying a stream of water for flow down said trough with the coal mass to effect a preliminary separation of refuse from the coal and for flow of clean coal across said gap and along said guide plate structure and with the refuse falling through said gap, means for directing a lower stream of water into said frame along the bottom thereof and toward the frame outlet, means for directing an intermediate stream of water into said frame between said lower stream and the upper stream along said upper path, means for individually controlling said water streams, guide plate structure between said intermediate and lower streams for receiving the refuse falling through said gap and for cooperating with said streams to separate the heavier refuse from the lighter refuse, and separate outlets from said frame for the heavier refuse and lighter refuse.

2,246,533
CONTAINER RECLOSURE
John F. Peters, Leonia, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 2, 1937, Serial No. 172,473
4 Claims. (Cl. 220—24)



3. A container reclosure member adapted to re-seal an opening which has been cut in a sheet metal container, comprising a supporting plate, an elastic pad attached to said plate, a depending tongue adjacent one end of said plate projecting through and extending beneath said elastic pad for engagement beneath an edge of the dispensing opening to locate said pad in registry with said opening, a depending bracket extension at the opposite end of said plate, and a cam lever pivotally mounted on said bracket extension adapted to be swung in a plane substantially parallel to the longitudinal axis of the container into locking engagement beneath the rim of the latter, whereby to draw the elastic pad into hermetic sealing engagement with the container wall surrounding the opening.

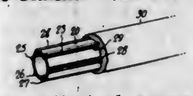
2,246,534
ALTERNATING CURRENT WAVE PRODUCTION
Eugene Peterson, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 26, 1940, Serial No. 342,427
8 Claims. (Cl. 172—281)



7. In an impulse producer, a timing circuit including a capacitor and a resistive impedance in series, a first gas-filled electron discharge device having an anode, a cathode, and a control element, a connection from said anode to the capacitor end of said timing circuit, said cathode being connected with the impedance end of said timing circuit, a second gas-filled electron discharge device having an anode, a cathode, and a control element, a resistance-including connection from the anode of said second device to the capacitor end of said timing circuit, the cathode

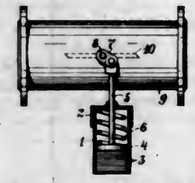
of said second device being connected with the junction between the capacitor and impedance of said timing circuit, a resistance-including connection from the control element of said second device to the impedance end of said timing circuit, a pair of input terminals for said producer, a circuit including a condenser and an inductance in series connected between said terminals and tuned to resonance for a given frequency, an impedance-including connection from the junction of the condenser and inductance of said resonant circuit to the capacitor end of said timing circuit, a connection from the inductance end of said resonant circuit to the impedance end of said timing circuit, a resistance-including connection from the condenser end of said resonant circuit to the control element of said first discharge device, and means for taking off impulses from said timing circuit in response to current of resonant frequency applied to said terminals.

2,246,535
PNEUMATIC DEVICE
Charles G. Playfair, Los Angeles, Calif.
Application April 19, 1937, Serial No. 137,888
6 Claims. (Cl. 309—2)



1. In a pneumatic tool, a pneumatic chamber provided with a thin sheet metal cylindrical shell, a cover for said shell, a plurality of spaced ports in said shell, and a plurality of flanged thin sheet metal trough members forming passages inside of said cover connecting said ports.

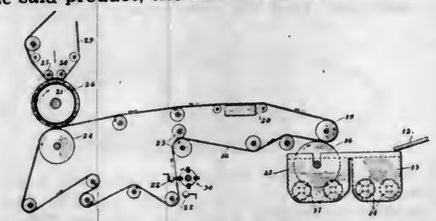
2,246,536
THERMOSTAT AND OTHER THERMOMOTIVE MEANS
Josef Reinthaler, Berlin-Reinickendorf, Germany
Application May 24, 1938, Serial No. 211,351
In Germany October 30, 1937
10 Claims. (Cl. 297—12)



1. Thermomotive means, for regulating purposes, comprising an assembly of juxtaposed, individual plates of mica, a support for said assembly permitting its expansion under heat transversely of said plates for exerting a mechanical force, and a force-transmitting member engaging an end of the pile.

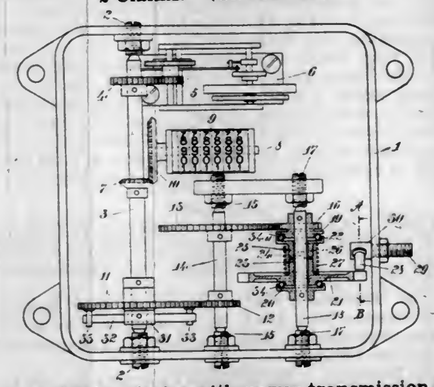
2,246,537
METHOD OF MAKING ASBESTOS-CEMENT PIPE
Ernest Wayne Rembert, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application March 18, 1937, Serial No. 131,585
4 Claims. (Cl. 92—66)

1. In making mandrel-compressed asbestos and cement pipe, the method which comprises forming a dilute aqueous suspension of asbestos fibres and Portland cement in the proportion of 20 to 40 parts by weight of asbestos to 100 parts dry weight of said suspended materials, forming a thin sheet from the suspension, winding the sheet spirally upon itself, upon a mandrel, and simultaneously compressing the material, removing the product from the mandrel, and hardening the said product, the amount of the compression



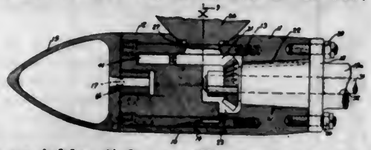
being approximately that produced with a machine of the class described applying a total pressure not substantially less than two tons for each one inch of diameter of a mandrel approximately 13 feet long and below that causing excessive loosening of the pipe from the mandrel during the winding operation.

2,246,538
DRIVING DEVICE FOR THE TRANSMISSION OF POWER BY ROLLING ELEMENTS, ESPECIALLY FOR DRIVING TIMING MECHANISMS OF TACHOMETERS
Koloman Rezsny, Budapest, Hungary
Application June 13, 1939, Serial No. 278,924
In Hungary May 31, 1935
2 Claims. (Cl. 161—15)



1. A driving device with power transmission by rolling elements, especially for driving the timing mechanism for tachometers of the type in which a rotor driven by a source of energy with excess of power is combined with a timing mechanism capable of taking up only a predetermined output in a unit of time and with rolling elements between said rotor and said timing mechanism for transmitting the movement of said rotor to said timing mechanism by rolling friction, comprising in combination with the rotor, a counter-element positively connected for rotation with but axially shifted relative to the rotor, a spring pressing apart said rotor from said counter-element, a driving shaft of the timing mechanism, two shoulders on said shaft, two sets of freely rolling bodies arranged between the rotor and the timing mechanism on the facing sides of said shoulders, one set of rolling bodies pressed against the rotor and the other set against said counter-element by said spring.

2,246,539
VARIABLE PITCH PROPELLER
Robert J. Ruths, Baltimore, Md., and Harry L. Dodson, United States Navy
Application August 20, 1938, Serial No. 225,890
3 Claims. (Cl. 170—162)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A variable pitch propeller comprising a hub; a blade mounted on said hub for rotation about a radially extending axis, the trailing edge of said blade located on one side of said axis having a greater surface area than the leading edge thereof located on the opposite side of said axis, the thrust exerted by the trailing edge of said blade thus tending to rotate said blade about said axis to decrease the pitch thereof; a hollow main shaft having an after section on which said hub is mounted and a forward engine section, said after section having an annular groove formed in its forward end and said engine section having a flange formed on its after end; a torsion shaft extending through the after section of said main shaft and having a flange formed on its forward end; a collar keyed to the forward end of the after section of said main shaft; a split ring disposed in engagement with said groove; bolts passing through said flanges, split ring and collar and rigidly securing the assembly together to prevent relative axial and rotary displacement of the parts thereof; and gear means connecting the after end of said torsion shaft with said blade, whereby such rotational motion of said blade about said axis will transmit torsional strain to said torsion shaft and be opposed thereby, thus storing energy in said torsion shaft so as to rotate said blade in an opposite direction about said axis to increase the pitch of said blade with a decrease in the thrust exerted thereby.

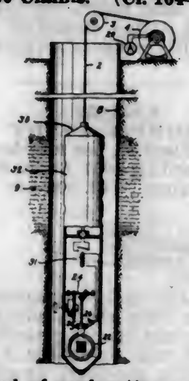
2,246,540
ENOLIC ETHERS OF KETO - CYCLOPENTANOPOLYHYDRO-PHENANTHRENE COMPOUNDS AND METHOD OF PREPARING SAME
Erwin Schwenk, Montclair, N. J., and Bradley Whitman, New York, N. Y., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application February 26, 1937, Serial No. 127,912
25 Claims. (Cl. 260—397)

1. The method of producing an enolic ether of a 10,13 - dimethyl-cyclopentano-polyhydrophenanthrene compound which comprises subjecting a 3-keto-10,13-dimethyl-cyclopentanopolyhydro-phenanthrene compound having a double bond in the first ring to the action of an orthoformic acid ester.

2,246,541
SAFETY PAPER
John Q. Sherman and Wilbur A. Yackley, Dayton, Ohio; said Yackley assignor to said Sherman; Katherine M. Sherman, William C. Sherman, and Wellmore B. Turner, executors of John Q. Sherman, deceased
No Drawing. Application January 7, 1937, Serial No. 119,524
8 Claims. (Cl. 91—67.95)

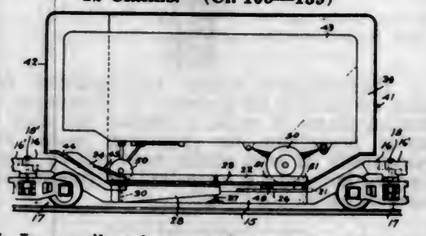
1. A protective record including the combination of a record material simulating the appearance of ordinary record material to be written upon, and having a porous, absorptive surface, and a non-penetrating ink for use therewith sufficiently viscous to resist capillary attraction of the absorbent record material and produce lines and characters in simulation of those produced by ordinary ink on ordinary writing material.

2,246,542
MEANS AND METHOD OF LOCATING LEVELS IN WELLS
Bernard S. Smith, Galveston, Tex., assignor of fifty per cent to J. J. Kane, Galveston, Tex.
Application November 1, 1938, Serial No. 238,208
20 Claims. (Cl. 164—0.5)



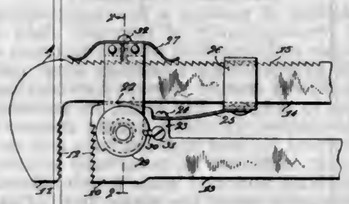
1. A method of perforating a well casing at a predetermined level which comprises subjecting the casing to a demagnetizing flux throughout its length, magnetizing the casing at a level in predetermined relation with that at which perforating is to be effected, and lowering within the casing a device which is actuatable by the magnetism in the casing to produce perforations at the desired level.

2,246,543
RAILROAD CAR FOR TRANSPORTING VEHICLES
Jay C. Smith, Seattle, Wash.
Application November 28, 1938, Serial No. 242,836
12 Claims. (Cl. 105—159)



1. In a railroad car, a drop center car frame portion; movable loading platform means operatively disposed on said drop center car frame portion; track means on said drop center car frame portion movably receiving said loading platform; folding track extension members secured to the sides of said drop center car frame portion and foldable alongside of said drop center car frame portion and adapted when extended to support portions of said loading platform at the side of said drop center car frame portion when said portions of said loading platform are moved into loading and unloading position at the side of the car and supporting means for the outer end portions of said folding track extension members.

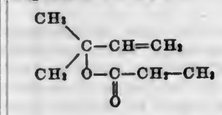
2,246,544
WRENCH
Weston R. Smith, Jackson, Mich.
Application October 30, 1939, Serial No. 302,037
1 Claim. (Cl. 81—103)



A wrench of the character described, comprising a handle having an enlarged outer end forming a jaw, a yoke straddling the enlarged end of the handle and having teeth on the inner looped end thereof, an eccentric connection between the yoke and the handle, means for operating said eccentric, a movable jaw passing through said yoke and having teeth on its outer edge engaging the teeth in the yoke and provided with a lateral end forming a jaw parallel with the enlarged outer end of the handle, a fulcrum point carried by the enlarged end of the handle and engaging the inner edge of the movable jaw, a spring carried by the yoke for causing the fulcrum point of the handle to engage the edge of the jaw, a sleeve slidable on the inner end of the movable jaw, and a leaf spring connecting said sleeve and the enlarged end of the handle.

2,246,545
ISOPRENE PROPIONATE AND METHOD FOR MAKING THE SAME
Frank J. Soday, Upper Darby, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application November 23, 1938, Serial No. 242,001
11 Claims. (Cl. 260—488)

1. A propionic ester of 2-methyl-2-hydroxy-butene-3 having the formula:

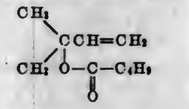


2,246,546
ISOPRENE BUTYRATE AND PROCESS FOR MAKING SAME
Frank J. Soday, Upper Darby, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application June 2, 1939, Serial No. 276,969
12 Claims. (Cl. 260—488)

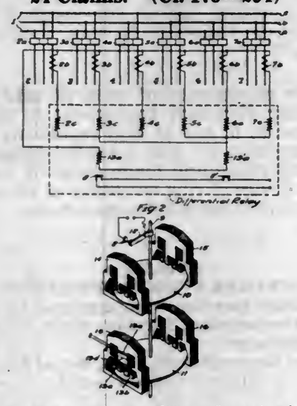
12. The process of preparing a butyric ester of 2-methyl-2-hydroxy butene-3 which comprises contacting a light oil isoprene fraction with a hydrogen halide to form a methyl halobutene, hydrolyzing said methyl halobutene to form a methyl hydroxybutene, and reacting said methyl hydroxybutene with a compound capable of yielding a butyric acid radical.

2,246,547
ISOPRENE VALERATES AND PROCESS FOR MAKING SAME
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application April 24, 1940, Serial No. 331,401
12 Claims. (Cl. 260—488)

1. A valeric ester of 3-methyl-3-hydroxy-butene-1 corresponding to the formula



2,246,548
PROTECTIVE RELAY
William K. Sonnemann, Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 22, 1938, Serial No. 236,396
24 Claims. (Cl. 175—294)



1. In a relay, a plurality of restraint units, a plurality of energizing windings for each of said restraint units, a common operating unit for said restraint units, and control means responsive to the combined condition of said operating and restraint units.

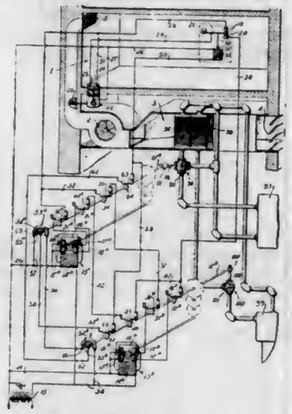
2,246,549
COMBINATION COOLANT AND LUBRICANT FOR COLD ROLLING MILLS
Earl D. Spangler, Gary, Ind.
No Drawing. Application June 11, 1940, Serial No. 339,979
2 Claims. (Cl. 252—56)

1. A combined coolant and lubricant for cold reduction apparatus comprising a solution of approximately 1% to 50% palm oil, 50% to 99% water and .3% to 33⅓% lactic acid.

2,246,550
CONTROL FOR CONDITIONING SYSTEMS
Duncan J. Stewart and George Forrest Drake, Rockford, Ill., assignors to Barber Colman Company, Rockford, Ill., a corporation of Illinois
Application March 18, 1938, Serial No. 196,658
19 Claims. (Cl. 257—3)

14. A temperature control system having, in combination with a cooler and a heater arranged

to cool and heat a medium to be conditioned, independently movable regulating devices respectively operable to modulate the heating capacity of said heater and the cooling capacity of said cooler, a thermostat responsive to temperature changes of said medium and normally in active control of both of said devices and means respon-



sive to the movements of each of said devices and coacting with said thermostat to modulate the movements of one of said regulating devices during variation of the medium temperature through one range and modulation of the other regulating device during variation of the medium temperature through a different range.

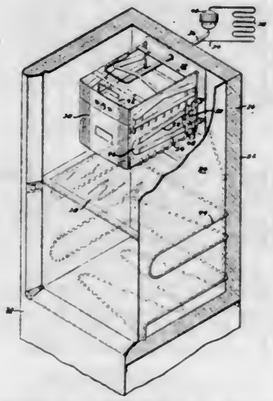
2,246,551

REFRIGERATING APPARATUS

Carl A. Stickel, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application September 29, 1939, Serial No. 297,147

6 Claims. (Cl. 62—116)



3. Refrigerating apparatus including a primary refrigerant circuit including a primary evaporator, a secondary refrigerant circuit in heat exchange relationship with the primary circuit, and thermostatic means responsive to the temperature of the primary evaporator for controlling the heat transfer between the two circuits.

2,246,552

METHOD FOR MAKING A FUEL CONSISTING PREDOMINANTLY OF NORMALLY FLUID HYDROCARBONS IN SOLIDIFIED FORM

Eugene D. Stirlen, New Haven, Conn., assignor, by mesne assignments, to Safety-Fuel Incorporated, West Cheshire, Conn., a corporation of Connecticut

No Drawing. Application December 6, 1939, Serial No. 307,777

8 Claims. (Cl. 44—7)

1. Method of making a fuel composition consisting predominantly of normally fluid readily flammable hydrocarbons which comprises adding to such hydrocarbons a sodium soap, not more than limitedly soluble in such hydrocarbons and adapted to congeal the same, in amount sufficient to congeal the same, adding thereto an organic solvent for said hydrocarbons and said soap in amount sufficient to bring into solution said hydrocarbons and said soap which solvent boils predominantly below the major part of said hydrocarbons, thereafter removing by distillation organic solvent thereby solidifying the residual hydrocarbon soap mixture.

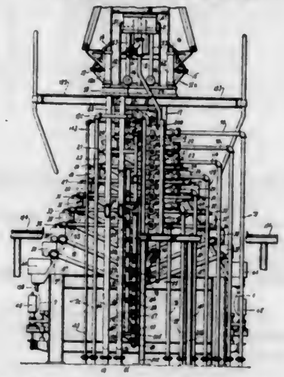
2,246,553

APPARATUS FOR PROCESSING THREAD

George P. Torrence, Shaker Heights, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware

Application October 24, 1938, Serial No. 236,724

11 Claims. (Cl. 18—8)



1. Apparatus for the continuous processing of thread comprising two oppositely extending banks of thread-storage devices, each bank comprising a plurality of descending series of thread-storage devices, each of which series handles a thread, of which corresponding devices in each bank may be regarded as being disposed in series extending longitudinally of the bank; a longitudinally extending conduit for supplying processing liquid to each longitudinally extending series of thread-storage devices on which processing liquid is to be applied to the thread; a plurality of containers disposed in superposed relation between said banks at one end of said apparatus, each of said containers being connected to a pair of corresponding conduits in said oppositely disposed banks and being provided with overflow means whereby the level of the liquid in said container is maintained at a predetermined height above the conduits to which the container is connected; means for supplying processing liquid to said container; and collecting means disposed beneath each of said longitudinally extending series of thread-storage devices in each bank for collecting the liquid applied to said thread-storage devices, whereby the arrangement at one end of said apparatus of said superposed supply containers, said overflow means, and said connections of said containers to said longitudinally extending conduits not only permits uniform processing of all threads handled on said apparatus but provides a disposition of all of said processing liquid containing and conducting parts in a compact space.

2,246,554

BUFFING COMPOUND

Robert V. Twyning, Grand Rapids, Mich., assignor to J. C. Miller Company, Grand Rapids, Mich., a corporation of Michigan

No Drawing. Application February 27, 1939, Serial No. 258,734

5 Claims. (Cl. 51—305)

1. A buffing compound comprising finely divided abrasive material and a binder therefor of stearin pitch, said pitch being the residue remaining after the hydrogenation and distillation of animal or vegetable fats to remove stearic acid and glycerides.

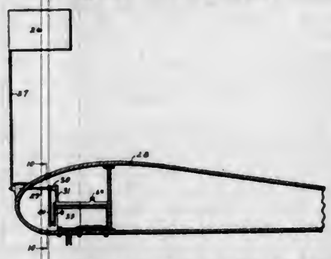
2,246,555

RELATIVE WIND INDICATING MEANS FOR AIRCRAFT

Gates E. Underwood, Rock Springs, Wyo., assignor to The Underwood Development Company, Rock Springs, Wyo., a corporation of Wyoming

Application April 18, 1938, Serial No. 202,754

3 Claims. (Cl. 73—180)



1. In operative association with an aircraft, a shaft mounted for rotation in otherwise fixed, parallel relation with the craft flight axis, a mounting stem disposed for oscillation through a vertical arc laterally of said craft and perpendicularly associated with said shaft so that oscillations of said stem effect proportional rotation of said shaft, a pressure plate fixed to the outer end of said stem in constant parallel relation with said craft flight axis and thereby disposed for reaction through an arc in a plane perpendicular to the craft axis to air currents nonparallel with said axis, means yieldably engaging between said shaft and a point fixed to said craft to normally position said stem and plate in substantially vertical position, and means operable through rotation of said shaft to indicate direction and magnitude of the oscillatory pressure reactions of said plate at a remote point on said craft.

2,246,556

ADJUSTABLE METAL WALL BASE

Oscar Vatet, Pleasantville, N. Y.

Application August 2, 1940, Serial No. 349,959

2 Claims. (Cl. 20—74)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. In building construction the combination of an uneven floor, a wall base positioned adjacent said floor and a visible trim member for the irregular joint between said wall base and said floor, said trim member comprising a strip of malleable metal substantially concave in cross section, one edge secured to the rigid wall base



and parallel therewith and the other edge having an elastic limit below the limit of manual pressure and bent into uniform contact with and remaining in such contact with the floor without fastening at points other than at the ends of said strip.

2,246,557

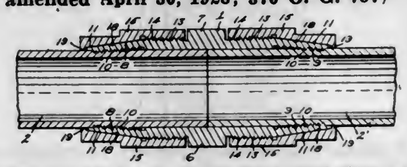
BUS CONNECTOR

Louis G. Walters, Portland, Oreg.

Application February 18, 1939, Serial No. 257,055

6 Claims. (Cl. 285—123)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a support including side portions, a connector for electrical conductors, means for mounting said connector on the support, said means including trunnions on said connector, an elongated slot provided in each of the sides of said support, a bolt extending through each of the slots in the side portions of the support, each of said bolts adapted to engage threadably a trunnion on said connector to thereby hold the connector in a position adjustable radially, longitudinally and in elevation with respect to said support and a holding device on each of said bolts.

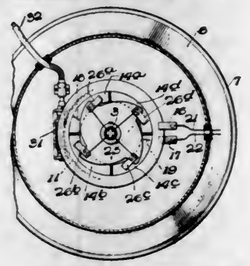
2,246,558

EARTH INDUCTOR COMPASS

Clarence L. Washburn, Silver Spring, Md., assignor to Washington Institute of Technology, Inc., Washington, D. C., a corporation of Delaware

Application March 14, 1939, Serial No. 261,795

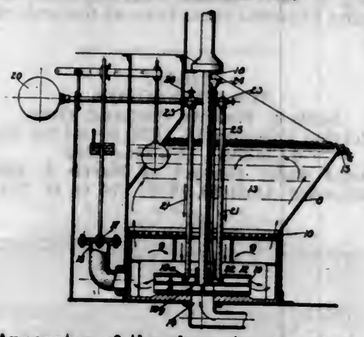
7 Claims. (Cl. 171—209)



1. A compass generator having a plurality of coils adapted to be rotated in the earth's magnetic field, a plurality of pairs of brushes each being electrically connected to one of said coils, means for rotating said coils and said brushes

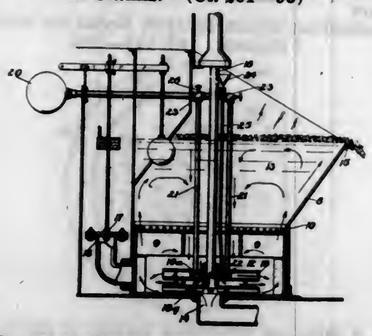
together, whereby current generated in each of said coils is delivered to one of said pairs of brushes, and a plurality of metallic segments which are slidably engaged by said brushes and are insulated from each other and which form an annular ring which is fixed with respect to the rotating coils and brushes but which is so mounted that it may be oriented to cause the segments to assume different positions with respect to the direction of the earth's magnetic field.

2,246,559
AERATING APPARATUS
Arthur J. Weinig, Golden, Colo.
Application June 22, 1939, Serial No. 280,595
6 Claims. (Cl. 261—93)



1. Apparatus of the character described, comprising a tank for solids in liquid suspension, open to the atmosphere, a rotary impeller in the lower portion of the tank divided into upper and lower pulp-ejecting chambers and provided with central openings for the admission of pulp from within the tank to each of said chambers, a source of gas under pressure, and a conduit for the delivery of gas from the source into the impeller and provided with a nozzle extending through the upper central opening in a position to discharge gas into the pulp stream entering therethrough in the direction of its movement.

2,246,560
FLOTATION MACHINE
Arthur J. Weinig, Golden, and Roderick D. Renner, Denver, Colo.
Application August 1, 1939, Serial No. 287,718
15 Claims. (Cl. 261—93)



1. In separating apparatus, a rotary mixing element comprising upper and lower chambers, separately open at the periphery of the element for the separate discharge of two currents of pulp into a mixing zone exteriorly of said periphery, both chambers having central openings in their upper surfaces to receive pulp in which the element is immersed with one of said openings in their upper surfaces of greater diameter than the other, means for introducing gas in excess of atmospheric pressure into the pulp at the central opening of greater diameter, and vanes in the chambers to accelerate outward movement of pulp through the peripheral openings thereof.

2,246,561
METHOD AND APPARATUS OF PHOTOGRAPHY
Robert B. Wheelan, Great Neck, and Alexander Balaban, New York, N. Y.
Application October 4, 1937, Serial No. 167,110
8 Claims. (Cl. 95—5)



1. A composite photographic negative and diffusion mask comprising a photographic negative, a spacer member for the photographic negative arranged between the negative and diffusion mask adjacent edge portions only of said negative outside the central image bearing portion, said diffusion mask being in juxtaposition with the spacer member and the photographic negative and having portions relatively freely light transmitting, and means for holding the photographic negative, the spacer member and the mask from lateral displacement relative to each other.

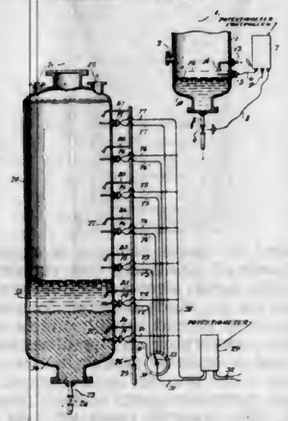
3. A process of making enlarged prints from portrait negatives comprising placing a flexible membrane over the negative and securing it thereto, said membrane having a translucent surface but being otherwise transparent, rendering transparent areas of said surface corresponding to areas of said portrait negative desired to be printed in sharp detail, arranging the negative and flexible membrane in a projection apparatus without releasing the securing means or disturbing the alignment and with the flexible membrane spaced a small distance from the image bearing surface of the negative and on the side thereof opposite from the light source, projecting an enlargement of the negative through said flexible membrane onto sensitized photoprint paper, and developing said photoprint.

2,246,562
BOWLING EQUIPMENT
Albert B. Whitley, Ann Arbor, Mich.
Application May 1, 1940, Serial No. 332,800
9 Claims. (Cl. 36—7.2)



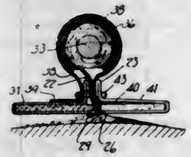
1. A bowling slipper attachment for a walking shoe, comprising a sole for engagement with the underside of a sole of a walking shoe, uppers for embracing the uppers of the walking shoe, and connections between the uppers and sole of the attachment, including a welt engageable with an edge of the sole of the walking shoe.

2,246,563
LIQUID LEVEL INDICATION AND CONTROL
Donald D. Winters, Compton, Calif., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 13, 1940, Serial No. 340,279
7 Claims. (Cl. 196—132)



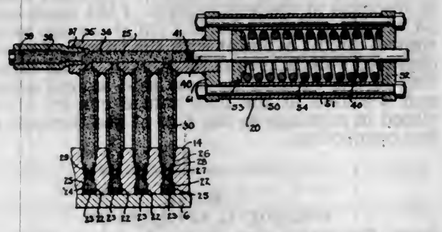
1. In a process wherein an appreciable body of liquid is maintained within a vessel, a change in the level of said body of liquid being detectable from changes in the potential generated by a thermocouple which is immersed in said liquid when the level of said body is high and not immersed therein when the level of said body is low, the improvement which comprises directing a stream of fluid of a sufficiently different temperature than that of said liquid body towards said thermocouple in a manner to contact the same and to appreciably alter the potential which would otherwise be generated therein when the level of said body of liquid is beneath the thermocouple but is substantially dissipated in said body of liquid when the thermocouple is immersed in the latter, to appreciably increase the difference in potential generated by the thermocouple when it is immersed and when it is not immersed in said body of liquid.

2,246,564
HAIR WAVING APPARATUS
Emile J. Yven, Jackson Heights, N. Y., assignor to Clairol, Incorporated, Stamford, Conn., a corporation of Connecticut
Application June 3, 1939, Serial No. 277,135
13 Claims. (Cl. 132—33)



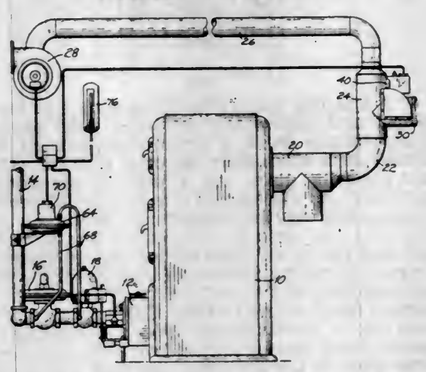
1. Hair waving apparatus comprising a scalp protector slotted to receive a tress of hair and normally loosely mounted thereon for displacement from the end towards the root of the hair, a mandrel about which the hair is wound, means for mounting the mandrel on the scalp protector, a wrapper disposed around the wound hair on the mandrel after the hair is partly wound on said mandrel, the edges of the wrapper engaging the protector, and a means securing the ends of the wrapper to clamp the same tightly about the hair and to the protector and simultaneously to clamp the protector to the hair so as to form a steam-tight joint where the hair enters inside the wrapper.

2,246,565
PLASTIC PACKING STUFFING BOX
James S. Abercrombie and Herbert Allen, Houston, Tex., assignors to Cameron Iron Works, a corporation of Texas
Application November 16, 1939, Serial No. 304,640
3 Claims. (Cl. 285—162)



1. In a pressure packing device including a housing to receive a body of plastic packing, a plurality of discharge ports therein, a plunger movable in said housing to maintain a pressure on the plastic packing, means to apply pressure to the plunger including a cage on said housing, and a spring in said cage having one end affixed to said plunger, and additional means at the other end of said housing to introduce plastic packing in opposition to the pressure of said plunger.

2,246,566
HEATING SYSTEM
James G. Ames and Norman C. Penfold, Chicago, Ill., assignors to Autogas Corporation, Chicago, Ill., a corporation of Illinois
Application March 31, 1939, Serial No. 265,118
7 Claims. (Cl. 237—2)

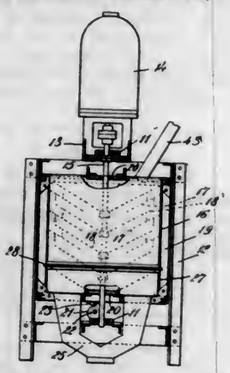


4. In a heating system having a furnace provided with fuel supply means and a stack connection, a heat extractor connected to the stack

connection, a valve in the stack connection posterior to the connection to the heat extractor, means for controlling the supply of fuel to the furnace, a control circuit for said means including a switch controlled by flow of gas through the heat extractor and a second switch controlled by the valve to be open when the valve is open and closed when the valve is closed, a common key member for manually controlling the fuel supply means and for opening and closing the valve, and means to prevent removal of said key member from the valve except when the valve is open.

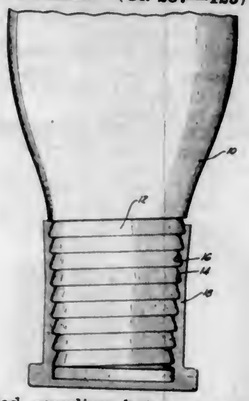
7. In a heating system having a furnace, supply means for fluid fuel including a supply valve, and a flue connection, the combination of electrical means for controlling the supply valve, a control circuit for said electrical means, electrical means for withdrawing flue gas through said flue connection, a control circuit for said last named electrical means, a thermostatically operated switch in the second named control circuit controlling said second named electrical means in response to the temperature of the space heated by said system, a second switch in the second control circuit in shunt with the thermostatically operated switch, means responsive to the flow of fuel to the furnace to close said second switch, and a switch in the first named control circuit closed in response to the flow of gas through the flue connection.

2,246,567
GRINDING APPARATUS
Isaac Bencowitz and Harry A. Swem, Newgulf, Tex., assignors to Texas Gulf Sulphur Company, a corporation of Texas
Application January 7, 1939, Serial No. 249,708
9 Claims. (Cl. 83—46)



1. A grinding apparatus comprising a series of spaced and superposed revolving discs secured to a rotatable shaft, a series of superposed stationary discs alternately disposed with respect to said revolving discs, and a housing surrounding said discs and disposed to direct material thrown thereagainst by the centrifugal action of any revolving disc onto the stationary disc next below, said stationary discs having central openings for permitting the delivery of material thereon to the revolving discs next below respectively, an upright band secured to the upper surface of at least one of the stationary discs surrounding the opening and spaced inward from the peripheral outer edge of the revolving disc next above, and means for imparting an intermittent shaking action to the housing and to the stationary discs to prevent accumulation of the material thereon.

2,246,568
COUPLING MEANS
Henry A. Berliner, Riverdale, Md., assignor to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland
Application November 1, 1939, Serial No. 302,325
1 Claim. (Cl. 287—125)

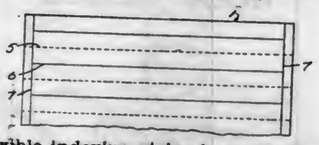


A threaded coupling between a non-metallic propeller blade of relatively low rigidity and a relatively rigid metal sleeve comprising a tapered root portion on the blade member formed with a continuous spiral thread having one face formed with a taper converging in the direction of the blade tip and a tapered socket in the sleeve to receive said root portion and formed with a spiral thread complementary to the thread on the blade root, the tapered faces of said threads acting by their wedging action to distribute the stresses due to centrifugal pull on the blade uniformly throughout the root of the blade.

2,246,569
PROCESS FOR OXIDIZING ETHERS
Ralph Lyman Brown, Bala-Cynwyd, Pa., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
No Drawing. Application April 19, 1939, Serial No. 268,697
10 Claims. (Cl. 260—593)

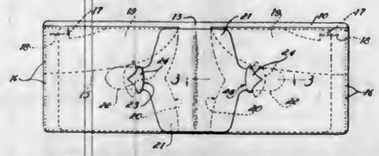
1. The process for the oxidation of an ether in which a saturated aliphatic radical is linked to the oxygen of the ether, which comprises passing a mixture of said ether and oxygen gas in proportions of 0.6 mol or less of oxygen for every 1 mol of ether in contact with a catalyst promoting the oxidation of the ether to a compound from the group consisting of the aldehydes and ketones.

2,246,570
FLEXIBLE INDEXING STRIP
Charles D. Butterbaugh, South Bend, Ind.
Application August 4, 1940, Serial No. 351,337
2 Claims. (Cl. 281—5)



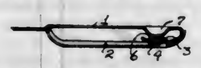
1. Flexible indexing strips in continuous sheet form comprising an elongated sheet of paper formed with spaced transverse lines of perforations and having longitudinal scorings adjacent its edges, the edge portions of the sheet beyond said scorings being adapted to be folded over to provide smooth edges to fit in a guide channel.

2,246,571
FLEXIBLE POCKET RECEPTACLE
Warner R. Buxton, Longmeadow, Mass.; Mabel Allen Buxton executrix of said Warner R. Buxton, deceased
Application September 23, 1939, Serial No. 296,206
3 Claims. (Cl. 150—38)



1. In a foldable flexible pocket receptacle, having a pair of confronting pockets each having its own front wall, a member serving each pocket as a back wall and mounted for relative sliding movement with respect to each front wall in a direction longitudinally of said pockets, said member having a transverse line of fold located between said pockets, a second member secured to said first member solely along said line of fold and forming two hinged flaps extending in opposite directions from the line of fold into overlapping relation one with each of said front walls, each said flap and the front wall which it overlaps having slidably interengaged parts for holding the flap in pocket closing relation, said interengaged parts being relatively slidable in the same direction as said first named member.

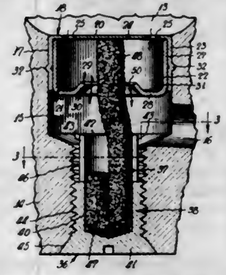
2,246,572
PROTECTION TAG SEAL
Morris Canter, New York, N. Y.
Application April 19, 1940, Serial No. 330,453
3 Claims. (Cl. 292—325)



1. A metallic seal comprising a strip of metal bent into two open top box-like sections, each having side and end walls, said sections being connected by a bendable portion of the strip, the first section near an end thereof being formed with a strap, and the second section having a curved tongue adapted to enter the strap, detent members one carried by the tongue and one adjacent the strap and adapted to interlock when the sections are brought together, and an inwardly directed cam projection formed in the second section and adapted to be engaged by the tongue detent member as the sections are brought together.

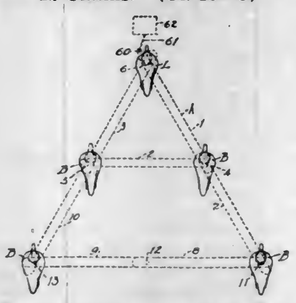
2,246,573
PIPE CONSTRUCTION
Christian W. Christophersen, New York, N. Y.
Application July 13, 1938, Serial No. 218,913
3 Claims. (Cl. 131—206)

1. In a pipe comprising a bowl, and a stem connected to said bowl, and having a bore extending lengthwise thereof, and wherein the bowl has a tobacco holding chamber, and a recess extending downwardly therefrom through the full thickness of the bottom wall of said bowl, and affording draft communication between said chamber and said bore, a hollow grate receptacle retained in said bowl near the upper end of said recess, and having a perforated top wall and a bottom central opening, a removable plug retained in the bottom of said recess, and a conventional pipe cleaner, provided with a metal core element extending lengthwise thereof, said



cleaner extending lengthwise in said recess with the lower end retained in said plug, and the upper end extending substantially centrally through the bottom opening of the grate receptacle, and substantially in contacting relationship with the lower surface of the top wall of said grate.

2,246,574
FLEXIBLE AND SUBMERSIBLE DECOY RACK
Clifford P. Coe, St. Paul, Minn.
Application February 29, 1940, Serial No. 321,465
12 Claims. (Cl. 43—3)

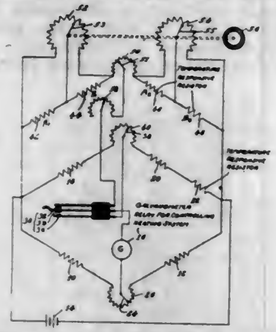


1. In a submergible decoy rack, the combination of a rack and a decoy having a depending ball and socket jointed locking pin, and spring locking means for the pin in said rack to receive said decoy with its depending locking pin, substantially as set forth.

2,246,575
ELECTRIC BRIDGE CIRCUIT
Edwin De Witt Coleman, Maywood, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application March 20, 1939, Serial No. 263,072
In Great Britain March 25, 1938
8 Claims. (Cl. 73—342)

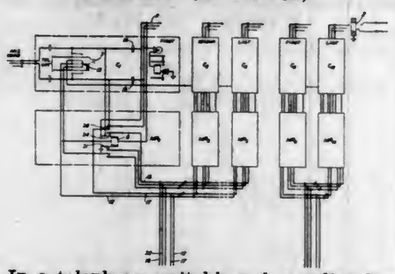
4. In combination in an electric bridge circuit, a condition responsive impedance element in one arm of said bridge circuit, a second impedance element in an adjacent arm of the bridge circuit, a variable impedance element so connected in said first arm of the bridge circuit that it is operable to change the effectiveness of said condition responsive element for varying the impedance of said first bridge arm, a similar variable impedance element similarly connected in the second bridge arm with respect to said second

impedance element, and means for varying said two variable elements together to simultaneously



and similarly vary the resultant impedance values of said two bridge arms.

2,246,576
MACHINE RINGING SYSTEM
Wirt E. Darrow, Hollis, N. Y., and George H. Peterson, Glen Rock, and Lloyd A. Yost, Fanwood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 25, 1939, Serial No. 306,062
2 Claims. (Cl. 179—51)



1. In a telephone switchboard, a called line, a plurality of cord circuits divided into groups, an operator's telephone, means individual to each cord for connecting said telephone thereto, a source of ringing current and a plurality of selective keys common to said groups, ringing control means individual to each group of cords and controlled by said keys for extending said source to its respective groups of cords, and a relay individual to each cord jointly responsive to connection of said telephone thereto, connection of the cord to a line, and actuation of one of said keys for connecting said extended source through the cord to the line to the exclusion of all other cords of the group.

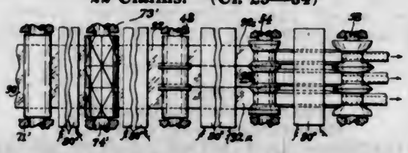
2,246,577
PUMP
Oscar M. Davis, Houston, Tex.
Application October 17, 1938, Serial No. 235,406
10 Claims. (Cl. 103—52)

1. A well pump adapted to be inserted in a well bore comprising a working barrel having an inlet at its lower end and a valve controlled outlet at its upper end, upper and lower traveling valve mechanisms in the working barrel adapted to be moved by pressure fluid of the well, each traveling valve mechanism including a barrel having upper and lower seats, a rod working axially through each upper and lower barrel, a valve fixed on the lower end of each rod and a valve slidable on the upper end of each rod, said valves being arranged



to close said lower and upper seats as the corresponding traveling valve mechanism reciprocates in the working barrel.

2,246,578
TRUSSED STRUCTURAL MEMBER AND METHOD OF AND MEANS FOR ITS MANUFACTURE
Albert Bernhard De Salardi, Wilkinsburg, Pa.
Application February 24, 1939, Serial No. 258,260
22 Claims. (Cl. 29—34)



1. Trussed structural member comprising a plurality of substantially prismatic parent bars united longitudinally throughout their length forming predetermined angles with each other and derivative integral bars embossed upon said parent bars in patterns of composite triangles, said derivative bars constituting in themselves a plurality of rigid trusses arranged to each other at the same angle as said parent bars.

14. For deforming material in plastic state, a die-roll having neck- and body portions, the latter consisting of a substantially cylindrical base and a plurality of die-blocks integral with and protruding radially from said base in such a shape that the plan-projection of the sectional areas of each with said base and also with other coaxial cylindrical surfaces within the periphery of said body-portion are substantially triangular with rounded-off corners, the dimensions of said sectional areas decreasing with the increase of the diameters of said cylindrical surfaces.

2,246,579
BUTT STRAP FOR WELDED JOINTS
Eric H. Ewertz, Elizabeth, N. J.
Application June 4, 1938, Serial No. 211,958
3 Claims. (Cl. 189—36)

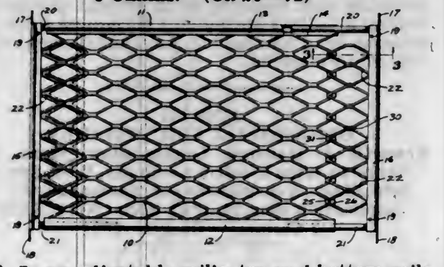
2. The combination with plates spaced apart edge to edge, of a butt strap having an arcuate bent portion embodied therein of which the outer surface is positioned between said edges and secured thereto by closely juxtaposed welds, the

planes of the inner and outer surfaces of the plates being substantially tangent to the inner and outer arcs of the arcuate portion and op-



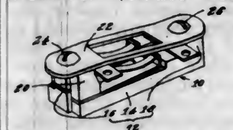
posite extremities of said butt strap being free to spread relatively to each other to relieve stress in the welds.

2,246,580
END ADJUSTABLE GRILLE
John F. Farmer, Indianapolis, Ind.
Application January 29, 1940, Serial No. 316,121
6 Claims. (Cl. 20—71)



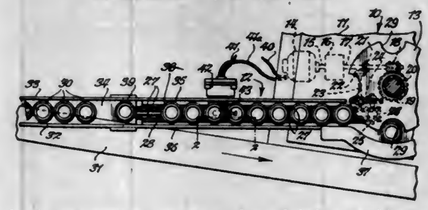
3. In an adjustable grille, top and bottom rails, a filler fixed in dimensions and having a plurality of openings at least at each end, said filler being engaged along its top and bottom edges in a fixed manner by said top and bottom rails, a rail at each end of said filler, guide means attached to said end rails and shiftably engaging said top and bottom rails, and connecting links engaging with said end rails to be shifted therewith and slidingly engaging with said filler through said openings, whereby said end rails may be shifted to and from said filler within the range determined by the lengths of said openings, said connecting links comprising overlapping spaced apart members joined through said openings and extending on front and back sides of the filler to their engagement with the end rails.

2,246,581
ELECTRIC SWITCH
Norman C. Fetter, Freeport, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application August 3, 1940, Serial No. 350,603
5 Claims. (Cl. 200—138)



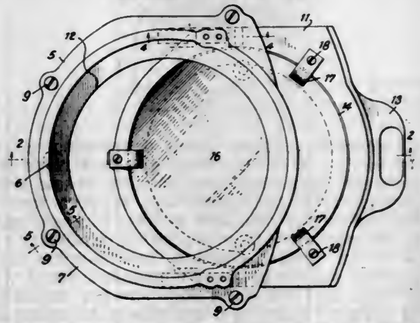
1. In combination in an article of the class described, an elongated rectangular insulating base having a raised portion at each end thereof one taller than the other, a clamping block setting over the lower of said raised portions so as to overhang the sides thereof and to be held in alignment thereby, an insulating cap placed over the higher of said raised portions of said base and over said clamping block bridging the space between them, a metal fastening at either end of the resulting assembly for holding it together, a part of each metal fastening being imbedded in one of said raised portions at the ends of the base, said insulating parts having recesses under the ends of said insulating cap for receiving metal switch parts, and an electric snap switch mechanism comprising spring members and cooperating electric contacts positioned in the opening between said insulating parts, and having its parts clamped in said recesses under said insulating cap and between said insulating clamping block and said base.

2,246,582
CONTROL APPARATUS
Howard E. Gantzer, Kenmore, N. Y., assignor to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York
Application April 22, 1939, Serial No. 269,342
10 Claims. (Cl. 192—125)



1. A conveyor; means for driving said conveyor; a device for stopping said conveyor, said device being biased into the path of objects on said conveyor with a force insufficient to interfere with the movement of a single object, said device moving into the path of said objects and stopping the conveyor upon the occurrence of a substantial gap between said objects; means becoming operative only when said device has moved into the path of said objects for resisting the restoration of said device to its position out of the path of said objects, said resisting means being adapted to be overcome only by the approach of a predetermined minimum number of objects; and means responsive to restoration of said device to its position out of the path of said objects to render said resisting means inoperative.

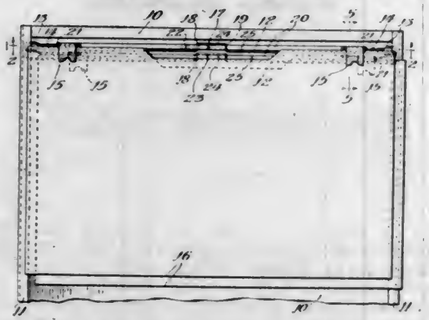
2,246,583
HEAT SHIELD FOR MOTION PICTURE PROJECTORS
Herbert Griffin, Jersey City, N. J., assignor to International Projector Corporation, New York, N. Y., a corporation of Delaware
Application December 31, 1938, Serial No. 248,674
7 Claims. (Cl. 88—24)



1. In combination with a motion picture projector to be used with a light source, a shield housing forming a part of said projector, track-

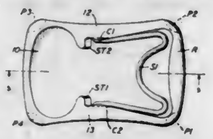
ways in said shield housing, a holder slidable in said trackways, a transparent material supported by said holder and through which the beam of light passes from the light source, through the rear shutter housing and into the projector, said holder being provided with notches and springs carried by the housing adapted to snap into said notches to lock the holder in position when fully inserted in the housing.

2,246,584
VISIBLE RECORD SYSTEM
Marchand B. Hall, Chicago, Ill., assignor to Acme Visible Records, Inc., Chicago, Ill., a corporation of Delaware
Application February 26, 1940, Serial No. 320,824
12 Claims. (Cl. 129—16)



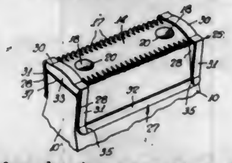
1. In a visible card system, the combination with a frame having guide channels of detachable flexible wire hangers fixedly positioned therein against movement laterally of the frame, cards mounted by hinge means on said hangers and movable laterally to an offset position, and an offsetting member operatively associated with and slidably mounted on each of the said hangers in straddling engagement with the hinges of the mounted card.

2,246,585
SOLDERING COPPER STAND
Leon N. Hampton, New York, N. Y., and Amos H. Shangle, Roselle, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 19, 1939, Serial No. 285,460
1 Claim. (Cl. 248—346)



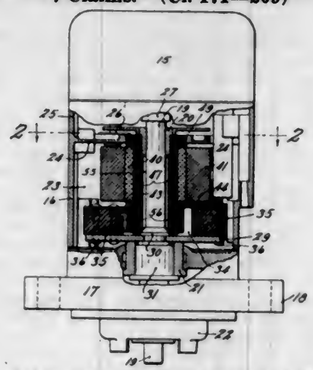
A soldering copper stand comprising a cast base having a peripherally disposed ridge and oppositely disposed bearing portions in said ridge, a substantially M-shaped wire support for the soldering copper pivotally mounted in said bearings for movement from a position parallel to said base to an upright position, said support being tensioned outwardly, stop elements formed with said base and camming members for tensioning said support upon said movement to cause the automatic pivotal movement of said support from said upright position to a point against said stop elements.

2,246,586
DRY SHAVING CUTTER MOUNT
John A. Hanley, Noroton, Conn., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application November 9, 1939, Serial No. 303,597
16 Claims. (Cl. 30—43)



1. In a dry shaving apparatus, a motor casing having latch conformations thereon, a shearing head on said casing, and means for removably mounting said shearing head on said casing, including a unitary spring clip removable from the shearing head and having latch engagement with said conformations.

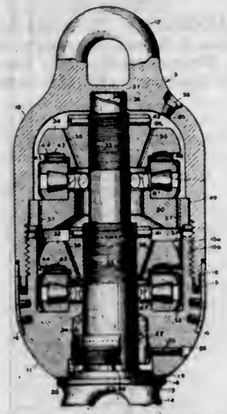
2,246,587
DYNAMOELECTRIC MACHINE
Kenneth A. Harmon, Longmeadow, Mass., assignor to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts
Application May 14, 1940, Serial No. 335,025
7 Claims. (Cl. 171—209)



1. A stator structure for a dynamoelectric machine, comprising, a coil, a flux conducting member; said member having a core extending axially through the coil, a cross bar portion extending in opposite directions from one end of said core and located adjacent one end of said coil, and a pair of legs extending one from each end of said portion and terminating with diametrically opposed pole pieces having part-cylindrical surfaces located coaxially of said coil and near the other end of said coil; and pole pieces carried by the other end of said core and having part-cylindrical surfaces located coaxially of said coil; said core, portion and legs being rigidly united into one self-sustaining unit to maintain the pole pieces on the core and those on said legs in true coaxial relation.

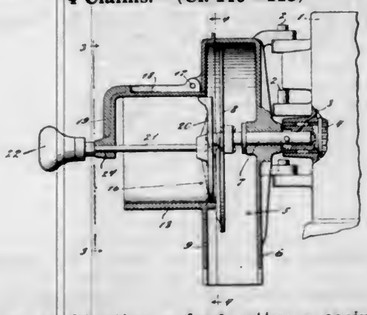
2,246,588
BEARING STRUCTURE
Edwin R. Harrall, Tenafly, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application August 19, 1938, Serial No. 225,711
3 Claims. (Cl. 308—231)

1. A bearing structure comprising a casing, a plurality of bearings within the casing for collectively carrying a load and means for distributing the load to the bearings, said means comprising groups of members for loading the bearings, each of said groups of members being adjacent to one of the bearings and each group including a plurality of members and a flat ring-shaped spring member disposed between said plurality of members and having outer and inner peripheral portions, one of said plurality of members having a surface of such configuration adjacent to one side of the member as to bear on its inner and outer



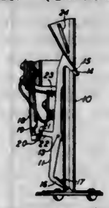
peripheral portions without bearing on said member intermediate said inner and outer peripheral portions, and another of said plurality of members having a surface of such configuration adjacent to the opposite side of the spring member as to bear on the member at a place intermediate its inner and outer peripheral portions but not bearing on said inner and outer portions, said surfaces of the members coacting to flex the spring members of said groups to an extent such that the total load exerted on the bearings is distributed in predetermined ratios to the respective bearings.

2,246,589
SLICING MECHANISM
Robert Hoe, Hyde Park, N. Y.
Application June 20, 1939, Serial No. 280,023
4 Claims. (Cl. 146—115)



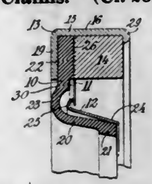
1. In combination, a food cutter, a casing enclosing said cutter and having a front wall with a hole therein, an apron beneath said hole and extending forwardly therefrom and having vertically extending sides, a bracket hinged to said wall on a horizontal pivot adjacent the upper edges of said sides, said bracket when in its lowest position substantially closing the space between said upper edges, an arm on said bracket extending across the outer end of the apron when the bracket is in said lowest position, a pusher slidably mounted on said arm and arranged to push food along said apron, and means to operate said cutter.

2,246,590
TELEPHONE COIN COLLECTOR
Frederick A. Hoyt, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 5, 1939, Serial No. 307,623
2 Claims. (Cl. 194—9)



1. In a coin collector, a coin hopper having a substantially vertical coin channel traversed by deposited coins, an elongated lever mounted external to said hopper and pivoted at a point intermediate its ends for oscillatory movement in a substantially vertical plane, a pair of normally closed electrical contacts, means on said lever for opening said contacts when said lever is in an advanced position and for closing said contacts when said lever is in normal position, an arm on the upper end of said lever normally projecting into an upper portion of said coin channel for actuation by a deposited coin to move said lever to said advanced position, and an arm on the lower end of said lever projecting into a lower portion of said channel when said lever is in said advanced position for actuation by said deposited coin for restoring said lever to its normal position.

2,246,591
MACHINERY PACKING
Cecil R. Hubbard, Palmyra, N. Y., assignor to The Garlock Packing Company, Palmyra, N. Y., a corporation of New York
Application June 10, 1940, Serial No. 339,704
3 Claims. (Cl. 288—3)



1. A device adapted to seal the space between a shaft and its housing; said device comprising a metal shell to be mounted fluid-tight in the housing and having an inwardly disposed marginal flange of dimensions such as to clear the shaft; a flexible sealing element having a sleeve to extend along a part of the shaft to be surrounded by the shell, said sleeve terminating at one margin in a lip to be held in contact with the shaft and having at its opposite margin an outwardly disposed flange backed against the flange of the shell; a thin sheet-metal spring comprising a radially disposed, annular, outer portion and a circumferential series of inwardly extending flexible fingers; means comprising an

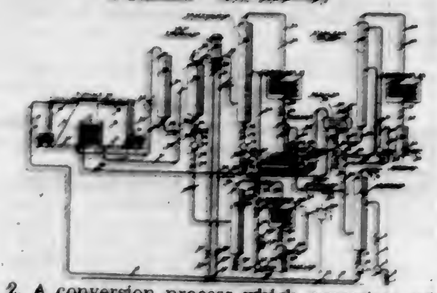
inturned lip on the margin of the shell opposite that which backs the flange of the sealing element by which the outer element of the spring and the flange of the sealing element may be clamped in a state of compression between said lip and said flange of the shell; and a conical element surrounding and extending along a portion of said sleeve by means of which its sealing lip may be maintained in its sealing relation with the shaft, said conical element having a terminal, marginal portion so disposed as to encircle the terminal lip of the sealing element and having at its opposite margin an outwardly disposed flange adapted to be maintained in sliding contact with the surfaces of the inner end portions of the resilient fingers of the spring which face the adjacent portion of the sealing element, the relative forms and dimensions of said parts being such that when they are in the relative positions which they normally assume on being assembled, but before the device is applied to the shaft, the shoulder on the conical element will not be caused to flex the fingers of the spring, but such that the expansion of the terminal lip of the sealing element, when applied to the shaft, will cause the flange of the conical element to move axially in a direction such as to flex the fingers of the spring which, when so flexed, will tend to move the conical element in the reverse direction and thereby contract the lip of the sealing device and maintain it in snug contact with the shaft.

2,246,592

CONVERSION OF HYDROCARBON OILS

Lyman C. Huff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application July 5, 1935, Serial No. 29,795
Renewed April 18, 1939
2 Claims. (Cl. 196—9)



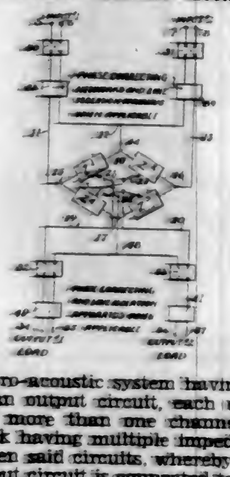
2. A conversion process which comprises subjecting a residual petroleum oil to cracking conditions in a cracking zone, simultaneously cracking a recycle stock, formed as hereinafter set forth, at higher temperatures than said residual oil in a second cracking zone, discharging the cracked products from both said zones into a reduced pressure vaporizer and therein separating the same into vapors and a liquid residue, fractionating the vapors to condense heavier fractions thereof, removing liquid residue from said vaporizer and reducing the same to an asphaltic material by further distillation thereof under subatmospheric pressure, introducing condensate resulting from said further distillation into contact with said vapors undergoing fractionation as a refluxing medium for the vapors, thereby combining said condensate with reflux condensate separated from the vapors by the fractionation, supplying the resultant condensate mixture to the second cracking zone as said recycle stock, finally condensing the fractionated vapors and separating the resultant distillate from normally incondensible gases produced in the process, scrubbing such separated gases with said residual petroleum oil prior to the introduction of the latter to the first-mentioned cracking zone, whereby to absorb heavier components of the gases in the residual oil, and supplying the absorbed gaseous components to the first-mentioned cracking zone together with said residual oil.

2,246,593

ELECTROACOUSTIC SYSTEM AND METHOD

John J. Israel, Brooklyn, N. Y.

Application December 13, 1937, Serial No. 179,432
32 Claims. (Cl. 179—100.3)



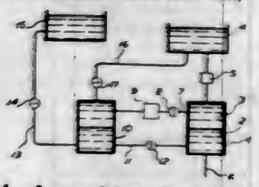
1. An electro-acoustic system having an input circuit and an output circuit, each of said circuits having more than one channel, a single audio network having multiple impedances connected between said circuits, whereby one channel of the input circuit is connected to one channel of the output circuit thru two of said impedances, and the other channel of the input circuit is connected to the other channel of the output circuit thru two of said impedances.

2,246,594

SUPPLYING LIQUIDS AT CONSTANT RATES

Edward Kinsella, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware

Application April 14, 1938, Serial No. 201,987
In Great Britain April 29, 1937
11 Claims. (Cl. 103—41)



1. Method of supplying liquids by displacement, which comprises continuously displacing a liquid from a body of liquid of constant volume at a constant rate by means of a second liquid immiscible with the first and supplied to said body of liquid at a constant rate, and, in order to maintain the continuity of supply of the first liquid from said body of liquid, replacing the quantity of the first liquid already displaced by intermittently introducing a further quantity of said first liquid at a higher rate than that at which it is being displaced and simultaneously and at the same higher rate removing an equal quantity of the second liquid.

2,246,595

METHOD OF OBTAINING PREGNANDIONE COMPOUNDS

Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Application November 4, 1937, Serial No. 172,853
3 Claims. (Cl. 260—397)

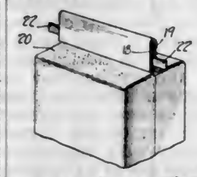
1. Method for the preparation from pregnant mare's urine of pregnandione-3,20 and allopregnandione-3,20 which comprises separating from the urine a water-insoluble carbinol fraction, removing phenolic substances from said fraction, oxidizing the phenol-free fraction with an oxidizing agent capable of converting the hydroxyl groups of pregnandiol-3,20 and allopregnandiol-3,20 into ketone groups, converting the resulting diketone compounds into hydrolyzable derivatives differing in their solubilities in solvents, separating said derivatives of pregnandione-3,20 and allo-pregnandione-3,20 from one another by means of said differences in solubilities, and hydrolyzing the separated derivatives to obtain pregnandione-3,20 and allo-pregnandione-3,20 separate from one another.

2,246,596

BAG CLOSURE

Royal T. Moore, Buffalo, N. Y., assignor to Consolidated Packaging Machinery Corporation, a corporation of New York

Application February 11, 1938, Serial No. 189,973
2 Claims. (Cl. 229—62)



1. As an article of manufacture a package comprising a flexible container having a quantity of material therein and having its mouth collapsed, trimmed to a certain height above the plane of the top of the contents, and folded to form a closure; means securing said closure in closed position, said means comprising adhesive extending between said folded closure and the body of said bag; and a pliable substantially non-resilient strip secured to a foldable portion of said closure in a position out of contact with said adhesive and removed from that portion of said closure which is subjected to trimming.

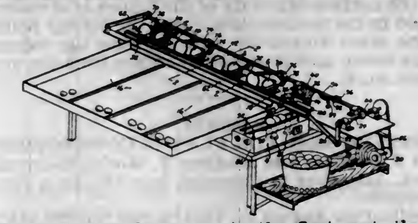
2,246,597

EGG GRADING MECHANISM

Herbert O. Niederer and Otto C. Niederer, Titusville, N. J.

Application January 16, 1939, Serial No. 251,118
12 Claims. (Cl. 209—121)

1. Egg grading mechanism comprising egg supplying means, a plurality of spaced groups of egg weighing means, egg rests located between the egg supplying means and the first group of egg weighing means and between the successive groups of egg weighing means, egg conveying means extending from said supply means past each of said rests and each of said weighing means to the last group thereof and means connected to said conveying means for moving eggs



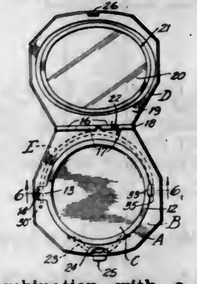
from said supply means to the first rest, thence to the first group of weighing means and then on to the succeeding rests and weighing means.

2,246,598

CASE

Harry J. Osborne, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a corporation of Illinois

Application April 4, 1938, Serial No. 199,969
5 Claims. (Cl. 220—29)



5. The combination with a case having a chamber bounded by an annular wall, of an inner hinged lid for closing said chamber, an outer cover hinged on said case and having an actuating portion movable with the cover adjacent its hinge, an angular arm extending partially around said wall and having one end mounted to resist movement in the plane of the arm in a direction away from the body of the arm, said arm having a lug at an intermediate point adapted to be actuated by said actuating portion of the cover, and a catch at the other end of said arm arranged to hold said lid normally in its closed position and to be actuated by said arm, said arm having such resiliency in that portion of the arm between said lug and said first mentioned end that inward pressure on said lug by said actuating portion upon opening said cover will cause said arm to actuate said catch to release said lid.

2,246,599

PROCESS OF MAKING HIGHER FATTY ACID ANHYDRIDES

Horace Finningley Oxley and Edward Boaden Thomas, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application December 7, 1938, Serial No. 244,384. In Great Britain December 17, 1937
6 Claims. (Cl. 260—398)

1. Process for the production of anhydrides of carboxylic acids which comprises causing a carboxylic acid to react with the anhydride of a

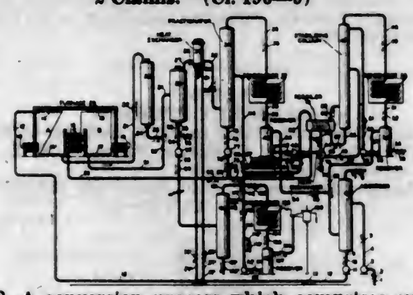
inturned lip on the margin of the shell opposite that which backs the flange of the sealing element by which the outer element of the spring and the flange of the sealing element may be clamped in a state of compression between said lip and said flange of the shell; and a conical element surrounding and extending along a portion of said sleeve by means of which its sealing lip may be maintained in its sealing relation with the shaft, said conical element having a terminal, marginal portion so disposed as to encircle the terminal lip of the sealing element and having at its opposite margin an outwardly disposed flange adapted to be maintained in sliding contact with the surfaces of the inner end portions of the resilient fingers of the spring which face the adjacent portion of the sealing element, the relative forms and dimensions of said parts being such that when they are in the relative positions which they normally assume on being assembled, but before the device is applied to the shaft, the shoulder on the conical element will not be caused to flex the fingers of the spring, but such that the expansion of the terminal lip of the sealing element, when applied to the shaft, will cause the flange of the conical element to move axially in a direction such as to flex the fingers of the spring which, when so flexed, will tend to move the conical element in the reverse direction and thereby contract the lip of the sealing device and maintain it in snug contact with the shaft.

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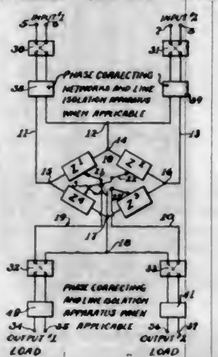


2. A conversion process which comprises subjecting a residual petroleum oil to cracking conditions in a cracking zone, simultaneously cracking a recycle stock, formed as hereinafter set forth, at higher temperatures than said residual oil in a second cracking zone, discharging the cracked products from both said zones into a reduced pressure vaporizer and therein separating the same into vapors and a liquid residue, fractionating the vapors to condense heavier fractions thereof, removing liquid residue from said vaporizer and reducing the same to an asphaltic material by further distillation thereof under subatmospheric pressure, introducing condensate resulting from said further distillation into contact with said vapors undergoing fractionation as a refluxing medium for the vapors, thereby combining said condensate with reflux condensate separated from the vapors by the fractionation, supplying the resultant condensate mixture to the second cracking zone as said recycle stock, finally condensing the fractionated vapors and separating the resultant distillate from normally incondensible gases produced in the process, scrubbing such separated gases with said residual petroleum oil prior to the introduction of the latter to the first-mentioned cracking zone, whereby to absorb heavier components of the gases in the residual oil, and supplying the absorbed gaseous components to the first-mentioned cracking zone together with said residual oil.

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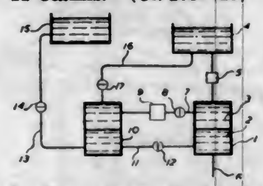
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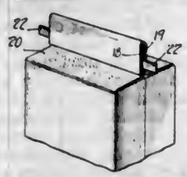
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2,246,596

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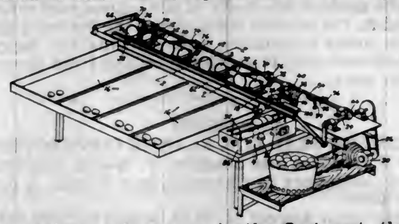
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1. Egg grading mechanism comprising egg supplying means, a plurality of spaced groups of egg weighing means, egg rests located between the egg supplying means and the first group of egg weighing means and between the successive groups of egg weighing means, egg conveying means extending from said supply means past each of said rests and each of said weighing means to the last group thereof and means connected to said conveying means for moving eggs



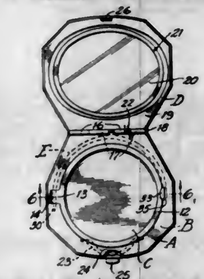
from said supply means to the first rest, thence to the first group of weighing means and then on to the succeeding rests and weighing means.

2,246,598

CASE

Harry J. Osborne, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a corporation of Illinois

Application April 4, 1938, Serial No. 199,969
5 Claims. (Cl. 220—29)



5. The combination with a case having a chamber bounded by an annular wall, of an inner hinged lid for closing said chamber, an outer cover hinged on said case and having an actuating portion movable with the cover adjacent its hinge, an angular arm extending partially around said wall and having one end mounted to resist movement in the plane of the arm in a direction away from the body of the arm, said arm having a lug at an intermediate point adapted to be actuated by said actuating portion of the cover, and a catch at the other end of said arm arranged to hold said lid normally in its closed position and to be actuated by said arm, said arm having such resiliency in that portion of the arm between said lug and said first mentioned end that inward pressure on said lug by said actuating portion upon opening said cover will cause said arm to actuate said catch to release said lid.

2,246,599

PROCESS OF MAKING HIGHER FATTY ACID ANHYDRIDES

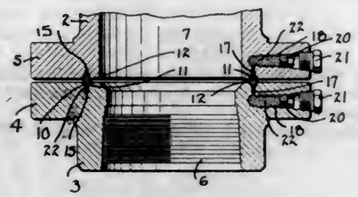
Horace Finningley Oxley and Edward Boaden Thomas, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application December 7, 1938, Serial No. 244,384. In Great Britain December 17, 1937
6 Claims. (Cl. 260—398)

1. Process for the production of anhydrides of carboxylic acids which comprises causing a carboxylic acid to react with the anhydride of a

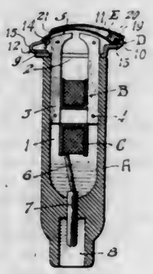
lower fatty acid to produce the anhydride of the higher acid together with the lower acid, by introducing the vapors of the lower anhydride below the surface of a body of the higher acid maintained in the molten state above the boiling point of the lower anhydride, and allowing the vapors of the lower acid produced to escape from the reaction zone.

2,246,600
PRESSURE SEAL FOR FLANGE CONNECTION
Paul T. Putnam and Madden T. Works, Houston, Tex., assignors to Cameron Iron Works, a corporation
Application August 21, 1939, Serial No. 291,144
3 Claims. (Cl. 285—109)



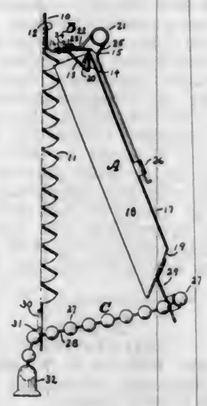
1. A seal ring connection for pipe flanges including a recessed area in each flange, a metal seal ring to fit said recesses, and means to force sealing fluid into the recesses behind said ring at a pressure in excess of the pipe pressure.

2,246,601
ELECTROMAGNETICALLY OPERATED SHAVER
Charles Schiffl, Montclair, N. J.
Application April 22, 1939, Serial No. 269,515
10 Claims. (Cl. 30—43)



1. An electric shaver comprising a casing having an opening at one end, an electromagnet in said casing including a core projecting through said opening and a winding on said core, a flexibly resilient blade of magnetic material having a shearing edge, a head on said casing having a seat for the edge of said blade opposite said shearing edge at one side of said core and a combined guard and shearing element at the other side of said core underlying said shearing edge of the blade and formed with slots the edges of which are diagonally disposed with respect to said shearing edge, and means holding the second-mentioned edge of said blade against movement in said seat, whereby said blade is flexed under magnetic influence along lines parallel with said shearing edge to cause movement laterally of said shearing edge along said diagonal edges of said slots.

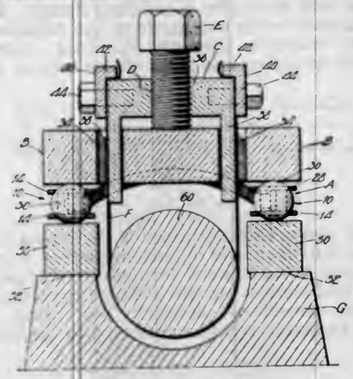
2,246,602
CABINET HEATER DAMPER CONTROL
Harry C. T. Schultz and Walter E. Kleeb, Racine, Wis., assignors to Young Radiator Company, Racine, Wis., a company of Wisconsin
Application June 7, 1940, Serial No. 339,267
4 Claims. (Cl. 98—106)



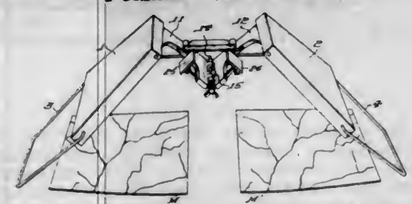
1. A damper of the class described, comprising a panel having a rectangular opening therein, an L-shaped bar secured to said panel adjacent the edge of said opening, its horizontal flange being bent rearwardly and downwardly and then upwardly terminating a short distance below the plane of the top of said horizontal portion, a plate secured to the top of said horizontal portion and extending rearwardly terminating past the edge of the vertical plane of said upwardly extending portion, a damper having a forwardly and downwardly extending hook arranged to lie over the top edge of said upwardly extending portion, forming a hinge, a coil spring positioned adjacent said hinge, one end of which extends rearwardly and being anchored to said plate, the other end extending downwardly in rear of said damper and being anchored thereto, said spring adapted to urge said damper to its rearward or open position, an aperture in said panel below said rectangular opening having a downwardly extending key-way, a chain secured to the lower end of said damper and extending through said aperture, means whereby said chain may be locked in said key-way and the damper moved forwardly or permitted to move rearwardly and then locked into position.

2,246,603
BEARING TOOL
James W. Slade, New York, N. Y.
Application December 21, 1939, Serial No. 310,327
9 Claims. (Cl. 22—123)

1. A tool of the type described comprising in combination, means for suspending one end of a shaft for free movement relatively to a bearing, means supported upon the bearing and freely movable relatively thereto for supporting said shaft suspending means, and means for adjusting the shaft suspending means relative to its supporting means.



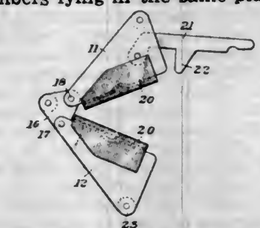
2,246,604
PHOTOGRAMMETIC STEREOSCOPE
John Wesley Smith, Chestnut Hill, Pa., assignor to Philadelphia Air Transport Company, Norristown, Pa., a corporation of Pennsylvania
Application December 31, 1938, Serial No. 248,657
4 Claims. (Cl. 88—29)



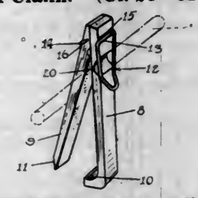
1. A folding stereoscope comprising a pair of casings each having a substantially plane bottom and a peripheral rim adapted to be brought into engagement with the rim of the other casing, reflectors carried by the bottoms of the casings, arms respectively hinged to each casing and to each other, means for releasably maintaining the arms and casings in fixed angular relation, a reflector carried by each arm adapted to be positioned in substantial parallelism with and movable toward and away from the reflector in the adjacent casing and means carried by the arms for simultaneously moving the arm reflectors in opposite directions relatively to the respectively adjacent casing reflectors comprising angularly disposed racks respectively supporting the arm reflectors from the arms and including within their angle the axis of the arm hinge and a pinion coaxial with said hinge engaging the racks and operable upon its rotation to move the racks longitudinally in opposite directions with respect to said axis.

2,246,605
HAIR-WAVING SPACER
James E. Snyder, Pittsburgh, Pa., assignor, by mesne assignments, to Rol-O-Wave, Inc., New York, N. Y., a corporation of New York
Application March 30, 1940, Serial No. 327,008
7 Claims. (Cl. 132—36.1)

1. A spacer comprising a pair of members each having substantially the shape of a right triangle, said members lying in the same plane and being pivotally connected with their corresponding altitudes adjacent each other.

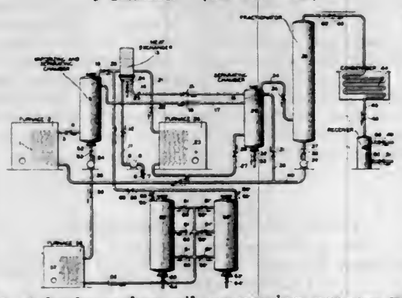


2,246,606
CLOTHESPIN
Hermann R. F. Stender, San Francisco, Calif.
Application March 25, 1939, Serial No. 264,145
1 Claim. (Cl. 24—81)



A clothespin of the class described including a pair of clothes gripping elements, a spring clip surrounding said elements at one end and capable of normally expanding the same relative to each other, said clip being provided with a top portion and a lower portion, a notch provided on the inner face of one of said elements and adjacent the lower end thereof, the outer face of said element and adjacent its opposite end being equipped with both a spaced clothesline receiving recess and a notch capable of receiving the top portion of said clip, the other of said elements having formed at its lower end a tapered section capable of entering the notched section of said first-mentioned gripping element, whereby upon actuation of said spring clip, one of said elements will be forced downwardly with relation to the other of said elements, and clothes placed between said elements will be gripped.

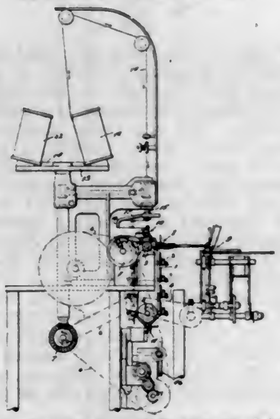
2,246,607
CONVERSION OF HYDROCARBON OILS
Kenneth Swartwood, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application January 19, 1935, Serial No. 2,477
Renewed May 15, 1939
7 Claims. (Cl. 196—49)



2. A hydrocarbon oil conversion process which

comprises heating relatively clean reflux condensate formed in the process to cracking temperature under pressure in a heating coil and discharging the resultant products into a separating chamber, introducing heavy charging oil for the process to said chamber and partially vaporizing the same therein, separating the commingled materials in the chamber into vapors and unvaporized oil, subjecting the latter in a second heating coil to independently controlled cracking conditions of temperature and pressure, combining resultant vapors with commingled cracked vapors and charging oil vapors separated in said chamber, subjecting the admixed vapors to vapor phase cracking conditions in a third heating zone, fractionating the vaporous products of the last-named step to condense heavier fractions thereof and supplying such condensed fractions to the first-named coil as said reflux condensate, and finally condensing the fractionated vapors.

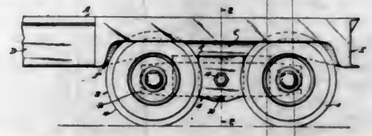
2,246,608
SKEIN-FORMING MACHINE
William H. Taylor and Stanley C. Kershaw, Pawtucket, R. I., assignors to The Clark Thread Company, Newark, N. J., a corporation of New Jersey
Application September 9, 1937, Serial No. 163,006
14 Claims. (Cl. 28—21)



1. A skein-forming machine comprising a conveyor having thereon a plurality of skein-supports, means for intermittently indexing said conveyor to bring said supports in sequence into position to have the skeins removed therefrom, then into winding position to wind skeins thereon, and then into banding position to apply bands thereto, a flier adjacent said winding position and adapted to form a skein of yarn on a support at said position, the yarn between each two supports located between said winding and banding positions being uncut, means stretching said uncut yarn rearwardly from the front ends of said two supports, means at said banding position to slip bands over the front ends of said skeins on said supports when they reach that position, and means to cut the previously uncut yarn.

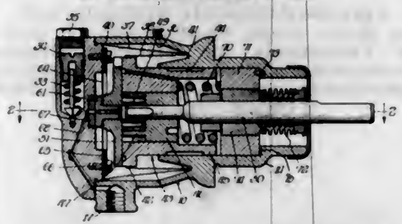
2,246,609
VEHICLE TRUCK ASSEMBLY
Roy C. Townsend, La Crosse, Wis.
Application October 27, 1939, Serial No. 301,612
6 Claims. (Cl. 280—81)

1. In a vehicle, a frame including a longitudinal beam, a U-shaped member rigidly secured beneath the beam and having longitudinally extending and vertically depending flanges, a bolster member mounted between the flanges and engaged laterally thereby, the said U-shaped members engaging the sides of the bolster mem-



ber over the greater portion of their length and substantially from top to bottom thereof, a transverse pivot bolt extended through the flanges and bolster and supporting the bolster for vertical oscillating movement beneath the beam, and ground engaging wheels connected to the bolster.

2,246,610
FUEL PUMP
William J. Wagner, Chicago, Ill.
Application October 20, 1938, Serial No. 235,923
15 Claims. (Cl. 103—42)

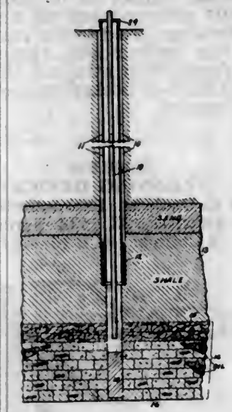


1. In a pump of the character described, in combination, a casing, a pumping unit housed within said casing, a drive shaft extending within the casing and operatively connecting with said pumping unit, a stationary seal member also housed by said casing providing a bearing for said shaft, a shaft seal having contact with the exterior face of said member, a coil spring having engagement with the interior face and confined between said member and the pumping unit, and a removable cover for the casing in axial alignment with said shaft, whereby said shaft, pumping unit, coil spring, stationary seal member and shaft seal may be removed as a unit through the opening provided by removal of said cover.

2,246,611
METHOD OF TREATING OIL AND GAS WELLS
Solis Myron Zandmer, Los Angeles, Calif.
Application October 12, 1936, Serial No. 105,282
2 Claims. (Cl. 102—5)

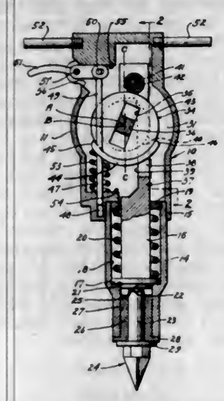
1. The method of increasing gas and oil production from a well drilled in oil bearing limestone, comprising the step of introducing a chemical agent into the fissures in the surrounding country rock to increase the size of said fissures; the step of removing said chemical agent and the reaction products of said chemical agent with said country rock; the step of substantially filling the well bore with a liquid; the step of introducing into said liquid an explosive in a liquid state, said explosive in the liquid state being characterized by having a specific gravity greater than said liquid in the well bore, whereby the said explosive in the liquid state settles slowly down the well bore through the said liquid to the well bottom

and thence laterally into the fissures in the surrounding country rock; and the step of detonat-



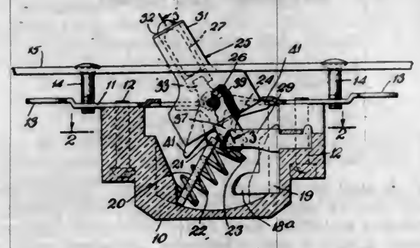
ing said explosive in the fissures in the surrounding country rock.

2,246,612
POWER HAMMER
David V. Ackerman, San Francisco, Calif., assignor of one-half to Henri H. Cloutier, Seattle, Wash.
Application March 13, 1937, Serial No. 130,768
6 Claims. (Cl. 125—33)



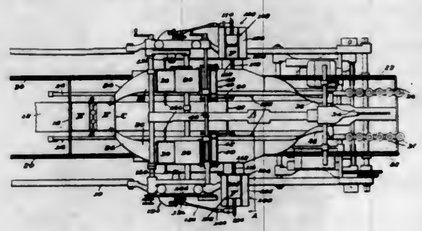
1. In a power hammer wherein there is a spring-urged hammer staff and a diametrically slotted round cam slidably mounted upon a flat-sided rotary shaft and a lift roller carried by said hammer staff and positioned to contact said cam when the latter is centered on its shaft; a movably mounted shoe for limiting the eccentric displacement of said cam, a support rod for said shoe, a spring encircling said support rod for urging said shoe in the direction of said rotary shaft, a stop for limiting the movement of said shoe to effect centering of the cam, a thrust rod cooperable with said shoe, and an intermediately pivoted hand lever operable upon said thrust rod for urging said shoe in opposition to the action of said spring to vary the eccentric displacement of said cam, whereby said cam may be rotated idly against said lifting roller until said hand lever is moved to effect eccentric positioning of said cam.

2,246,613
ILLUMINATED SWITCH DEVICE
Morris L. Bigman, Brooklyn, N. Y.
Application May 5, 1938, Serial No. 206,177
5 Claims. (Cl. 200—167)



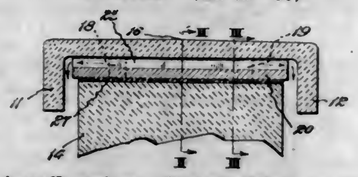
1. An illuminated switch element for switches of the character described, said element comprising a unitary body of molded plastic material, said body having a large inner end portion and an elongated tubular outer end portion forming the finger engaging part of the element, the bore of said tubular portion being adapted to receive a neon tube through the outer open end thereof, means forming a closure for said open end, means forming a pivotal support for the inner end portion of said element, two electric contacts imbedded in the inner end portion of said body and exposed in the bore of said tubular end to provide constant engagement with the terminals of the neon tube arranged therein, said contacts being exposed in spaced parallel relation to each other through the inner end of said body, said exposed contacts being arranged in alinement with said finger engaging part, the means forming the pivotal support for said element comprising a member at least partially imbedded in the inner end portion of said element, said member and body having a socket for a pivot pin, and said member and pin being insulated from the contacts imbedded in said element.

2,246,614
METHOD AND APPARATUS FOR CLOSING AND SEALING CARTONS
Richard M. Botley, Honolulu, Territory of Hawaii, assignor to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, a corporation of Hawaii
Application April 4, 1940, Serial No. 327,837
13 Claims. (Cl. 93—6)



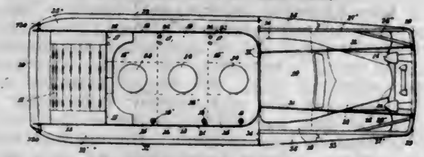
1. In a method of sealing a carton having inner cover flaps spaced apart at their ends to form a gap and an overlapping outer cover flap, the steps which comprise opening said outer flap to expose its inner surface, attaching to said inner surface of said outer flap a filler pad in position to lie in said gap on closing said outer flap and closing and sealing said outer flap over said inner flaps.

2,246,615
WALL COPING
Martin S. Bowne, Clearfield, Ky., assignor to Lee Clay Products Company, Inc., Clearfield, Ky.
Application October 16, 1940, Serial No. 361,453
10 Claims. (Cl. 72—86)



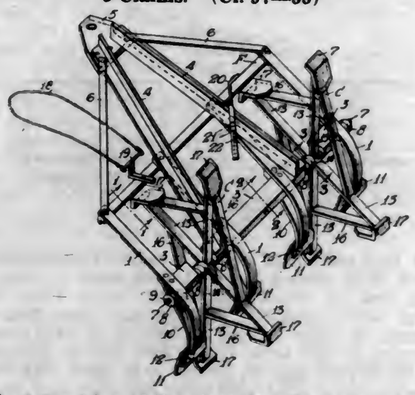
1. A wall coping unit comprising, coping sections having substantially straight end portions arranged adjacent each other, moisture resistant means filling a space between adjacent ends of the coping sections, means arranged transversely of the coping sections immediately under said adjacent ends for draining moisture penetrating through said space laterally of the coping sections, and means carried by said coping sections maintaining said means transversely of the coping sections and under the adjacent end thereof.

2,246,616
TRUCK FOR FIGHTING FOREST FIRES
Charles L. Cherry, South Carver, Mass.
Application July 6, 1939, Serial No. 283,002
15 Claims. (Cl. 293—55)



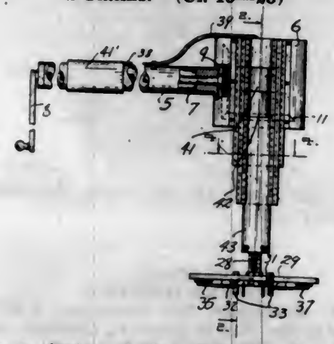
1. A motor-driven wheeled vehicle provided with a rigid shield in advance of and secured to the front thereof, said shield being wider than the forward end of the chassis of the vehicle and curved downwardly and rearwardly with its rear and lower end narrower and disposed between the front vehicle wheels.

2,246,617
SOIL TILLER AND CULTIVATOR
Christian Christiansen, Fargo, N. Dak.
Application November 22, 1939, Serial No. 305,669
5 Claims. (Cl. 97—55)



1. A machine of the class described comprising a rigid frame, consisting of a V type hitch and cultivator beams and shovels with necessary cross bar reinforcing, supported on like cam lifting wheels rigidly attached and in step to a shaft turning in bearings fixed to the rear frame cross bar, permitting the successive raising and lowering of the frame with attached shovels for the formation of holes or pockets in geometrical pattern in the ground.

2,246,618
CLEANING DEVICE
Henry C. Cochran, Sacramento, Calif.
Application February 23, 1939, Serial No. 258,103
2 Claims. (Cl. 15—28)

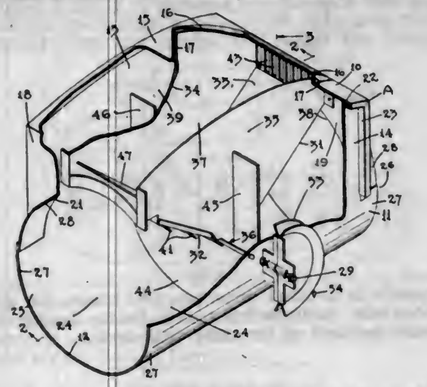


1. In a device of the character described, a housing, a handle secured to said housing, a shaft extending through said handle and having a gear secured to one end thereof and positioned in said housing, an operating lever secured to the opposite end thereof, a second gear positioned in said housing and meshing with said first-mentioned gear, a tubular member extending through said housing and said second-mentioned gear, said tubular member having threaded connection with said housing, connecting means between said second-mentioned gear and said tubular member, whereby rotation of said gears will move said tubular member with relation to said housing, and threaded tubular extensions carried by said tubular member and responsive to relative rotation of said housing and said tubular member to axially move said extensions relative to said tubular member, one of said extensions having a brushing arrangement secured thereto, whereby rotation of said shaft will cause said tubular members to move relative to each other.

2,246,619
DRAFT REGULATOR
Arthur D. Cole, Minneapolis, Minn.
Application October 19, 1938, Serial No. 235,807
13 Claims. (Cl. 236—45)

8. A draft regulator comprising a case having a passageway therethrough, a shaft in said case extending transversely of said passageway, a damper on said shaft having two spaced parts and situated within said passageway, a wall structure disposed between said damper parts and providing a vane chamber communicating with the exterior at one locality and with said passageway at another locality, a vane on said shaft disposed between the damper parts and within said vane chamber and subject to atmospheric pressure on one side and flue gas pressure on the other side, said damper and vane being fixed relative to one another and said damper and vane being angularly disposed so that movement of the vane

from normal position to operative position moves the damper from open to obstructing position,



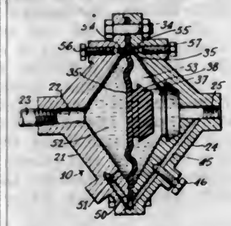
and a counterweight carried by the shaft to balance the vane.

2,246,620
WATER PAINT
John F. Comeau, Pine Bush, N. Y.
No Drawing. Application January 6, 1939, Serial No. 249,655
4 Claims. (Cl. 134—46)

1. A cement-lime water paint characterized by low resistance to the passage of water vapor from the coated surface, containing a mixture of the following ingredients in the proportions named:

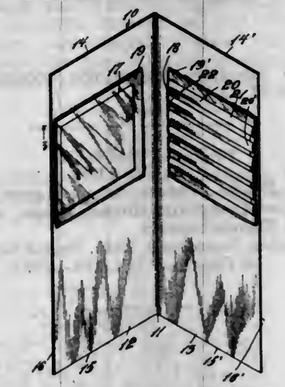
	Percent
White cement	58.8
White finishing lime	17.8
Beach sand	9.4
Zinc sulphate	1.6
Calcium chloride	10.0
Glue	.4
Terpineol	.4
Sodium chloride	1.6

2,246,621
HYDRAULIC BRAKE SAFETY APPLIANCE
Monta Frank Davis, Amity, Oreg.
Application July 5, 1940, Serial No. 344,108
8 Claims. (Cl. 303—84)



1. In a fluid pressure braking system having a main fluid pressure cylinder, and a conduit for each braking mechanism for each individual wheel connecting said master cylinder to the individual braking mechanism; a safety appliance inserted in the individual pressure line adjacent the main cylinder, said safety appliance including a housing, a diaphragm dividing said housing into at least two chambers, one of said chambers opening to the main cylinder, the other of said chambers opening to the individual pressure line, a thickened diaphragm reinforcing plug integral with said diaphragm and extending into the pressure line chamber and a recess in the housing in said pressure line chamber complementary in shape to said plug to receive said plug upon exhaustion of the fluid pressure in said chamber if and when the fluid pressure line empties, said diaphragm thereby preventing the fluid in the chamber to the main cylinder from emptying.

2,246,622
DISPLAY DEVICE
John R. Dennis, Providence, R. I., assignor to International Braid Company, a corporation of Massachusetts
Application July 20, 1938, Serial No. 220,257
1 Claim. (Cl. 206—82)

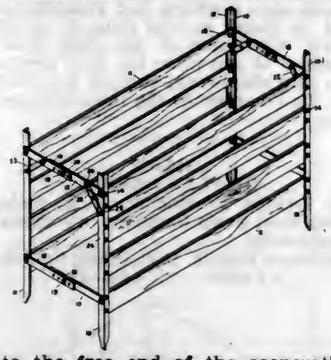


A device for displaying a plurality of short lengths of strip material comprising a body formed of a pair of sheets of material in face to face contact with each other having registering openings, and a sheet of transparent material covering each opening and disposed between said body sheets, each of said transparent sheets being secured at its edge portions to the marginal side portions around the opening of one sheet, and the edges of said body sheet material being fixedly secured together, a plurality of short lengths of strip material located in spaced relation between said transparent sheets and extending entirely across the opening transversely of the sheets and having their ends overlapped by the opposite marginal edges of said body sheets about said opening with each strip secured at its ends to the rear face of one of the transparent sheets within the overlapped edge portion whereby the opposite obverse surfaces of the material will be presented to view and be visible through said transparent sheets.

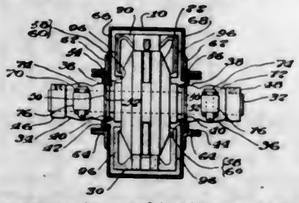
2,246,623
KNOCKDOWN CRIBBING FOR GRAVES
Arthur F. Dorey, Little Falls, N. Y.
Application February 6, 1939, Serial No. 254,835
4 Claims. (Cl. 61—41)

1. In a knock-down cribbing for graves, the combination of four one-piece angle iron corner posts arranged in side and end pairs, with the interior angle of the said angle iron posts being inside relative to the adjacent sides and ends of the cribbing, side boards permanently connected near their ends to the inner side of the longitudinal web of each side pair of the corner posts forming two permanently assembled sides, and two cross bars at each end of the sides, each bar composed of two flat cross arms, each arm

pivoted at one end to the transverse web of its corner post and at its other end detachably secured to the free end of the cooperating flat cross arm of its bar.



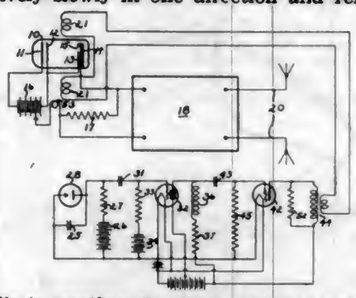
2,246,624
CONVEYER
Evert L. Drake, Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass., a corporation of Massachusetts
Application January 9, 1940, Serial No. 313,073
10 Claims. (Cl. 198—208)



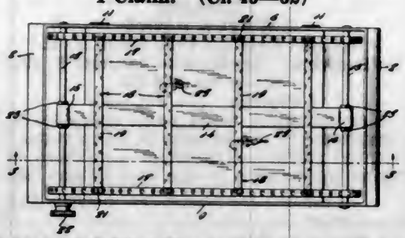
1. In a conveyer, in combination, a casing provided with longitudinal openings in its sides, an endless conveying element, a rotary member over which said conveying element passes, a shaft upon which said rotary member is mounted, a bearing unit for said shaft comprising a pair of opposed bearing members spaced apart, means in sliding engagement with opposite sides of said casing for supporting said bearing unit, said supporting means being arranged to cover said longitudinal openings in said casing sides, said bearing members having surfaces in engagement with said supporting means shaped to permit movement of said bearing unit with respect to said supporting means to enable said bearing members to maintain their alignment with said shaft irrespective of disalignment of said supporting means, said bearing members being arranged to maintain said supporting means in substantially dust tight relation to said casing.

2,246,625
TELEVISION SCANNING AND SYNCHRONIZING SYSTEM
Philo T. Farnsworth, San Francisco, Calif., assignor, by mesne assignments, to Farnsworth Television & Radio Corporation, Dover, Del., a corporation of Delaware
Application May 5, 1930, Serial No. 449,984
42 Claims. (Cl. 178—6.8)

1. A television system comprising means for developing a beam of electrons, means for exposing said beam to the influence of a scanning wave which normally would cause said beam repeatedly to be deflected relative to said target relatively slowly in one direction and relatively rapidly in another direction, and means for substantially extinguishing said beam during the rapid portion of the deflecting cycle.



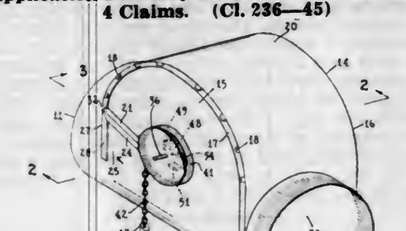
2,246,626
FLY CASE
William N. Grandin, Amesbury, Mass.
Application July 6, 1940, Serial No. 344,265
1 Claim. (Cl. 43—32)



A case for fishing flies comprising an elongated substantially rectangular container having an open top, a closure plate for said top detachably secured thereto, a pair of cross shafts journaled in said container at opposite ends of the latter, respectively, one manually rotatable from the outside of the container, an endless conveyor extending between said shafts comprising a pair of sprocket wheels fast on each shaft adjacent opposite ends thereof, respectively, a pair of sprocket bands upon opposite sides of said container trained around said sprocket wheels, and a plurality of cross flights extending between said bands and each including a cork strip into which the hooks of flies may be inserted, and a central bar extending between said shafts and forming a division indicating member whereby different kinds of flies attached to the flights upon opposite sides of the bar may be separated, said plate being provided with a small door therein for access to said flies without detaching said plate, the ends of the container being enlarged and substantially cylindrical to provide for clearance for the flies on the conveyor under travel of the latter around said shafts.

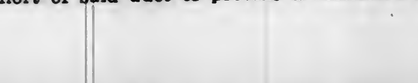
2,246,627
TRACTOR CONSTRUCTION
James G. Heaslet, Hudson, Ohio, assignor to The Cleveland Tractor Company, Cleveland, Ohio
Application April 5, 1940, Serial No. 328,144
5 Claims. (Cl. 180—54)

1. The tractor combination comprising a generally rectangular body frame including a rear transverse frame member and a pair of parallel end portions projecting as cantilevers rearwardly of said transverse frame member; an engine including a crankcase mounted on the frame; threaded means connecting the crankcase of said engine directly to opposed intermediate side portions of the frame; a drive shaft extending rearwardly from the engine and above the frame;



and a combined rear end and transmission housing detachably connected to the end portions of the frame with its front end abutting said transverse frame member and having the drive shaft operatively joined therewith.

2,246,628
MECHANIC'S CREEPER
Joseph H. Heckman, Chicago, Ill.
Application February 10, 1941, Serial No. 378,292
4 Claims. (Cl. 280—61.5)

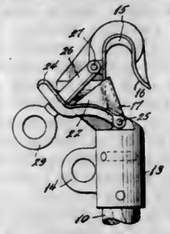


4. A mechanic's creeper of the character described, including: a body adapted to support a person in reclining position, the entire body being very close to the surface on which it is adapted to be supported; and wheels beneath the body for carrying it, each wheel being mounted on a member movable with respect to the body and in turn yieldably mounted thereon, portions of the body completely overlying the wheels and mounting and projecting down toward said surface to contact it, under abnormal load, before the yield of the mounting has reached its limit.

2,246,629
DRAFT CONTROL APPARATUS
Gerhard Jansen, Minneapolis, Minn., assignor to Cole-Sullivan Engineering Company, Minneapolis, Minn., a corporation of Minnesota
Application February 10, 1939, Serial No. 255,594
4 Claims. (Cl. 236—45)

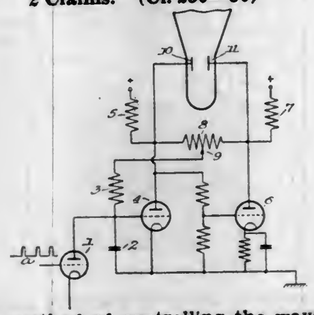
1. In a device of the character described, a duct providing a passageway for flue gas, an arcuate housing of substantially semi-circular extent bowing outwardly from a side of said duct, one end of said housing joining the duct and being open to the interior thereof and the other end of said housing terminating slightly short of said duct to provide a restricted slot-like passageway between the same and the adjacent side of the duct, said second end of said housing being open to the atmosphere through said restricted passageway, a pivot disposed axially of the housing, a substantially planiform vane mounted between its ends on said pivot, one portion of said vane at one side of said pivot providing a piston member within said housing and the other portion of said vane at the other side of said pivot providing a damper member within said duct, one face of said piston member being subjected to the pressure of the outer atmosphere through said second end of said housing, the other face of said piston member and both faces of said damper member being subjected to the pressure within the duct, said piston member and damper member being relatively proportioned substantially to equalize the moments of pressure exerted against them within said device, and means offering resistance to movement of the vane bringing the damper member into position obstructing said duct.

2,246,630
LINE IMPLEMENT
Tomlinson F. Johnson, Atlanta, Ga.
Application March 28, 1940, Serial No. 326,542
6 Claims. (Cl. 294—19)



1. In combination with an insulated tension stick having a hook adapted to engage a high tension conductor, an automatic engaging spring urged latch cooperating with the hook and normally biased to prevent the hook from being disengaged from the conductor; and manual means for releasing the latch.

2,246,631
SCANNING METHOD FOR TELEVISION IMAGE ANALYZERS
Ulrich Knick, Berlin-Steglitz, Germany, assignor to the firm of Fernseh Aktiengesellschaft, Zehlendorf, near Berlin, Germany
Application March 3, 1938, Serial No. 193,797
In Germany March 4, 1937
2 Claims. (Cl. 250—36)



1. The method of controlling the wave shape of the output of a saw-tooth wave generator,

generated by charging and discharging a condenser through different impedances which comprises impressing saw-tooth wave potentials of equal amplitude but opposite phases upon the terminals of a resistance element to develop a saw-tooth voltage wave thereacross, and selecting and applying to said condenser a portion of said voltage of adjustable phase and amplitude to alter the rate of charge thereof.

2,246,632

SIGHT CORRECTING DEVICE FOR WEAPONS

Ettore Lanciani, Milan, Italy, assignor of one-half to I. S. S. A. Industria Specializzata Strumenti Aeronavigazione, Società Anonima, Ponte S. Pietro, Italy

Application February 23, 1939, Serial No. 257,864
In Italy March 1, 1938
2 Claims. (Cl. 33—49)



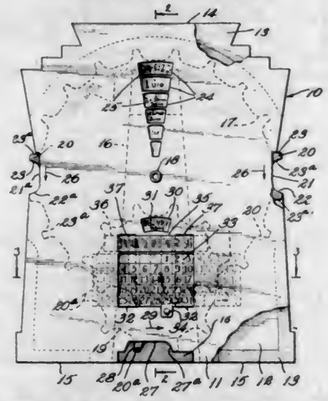
1. A sighting mechanism for a firing weapon adapted to be mounted and operated upon a movable vehicle, comprising, in combination, a first and second longitudinally spaced cooperating sights, the first sight being fixed in relation to the weapon, a parallel motion device comprising a pair of swingable parallel arms of equal length and a link pivotally interconnecting said arms, on which link the second of said sights is mounted, whereby said parallel arms are swingable in unison to cause the second sight to revolve in the arc of a circle relatively to the weapon, gear mechanism operated by the angular swing of the weapon in train with respect to the fore-and-aft axis of the vehicle to revolve said parallel arms according to the extent of such angular swing of the weapon to maintain them at all times parallel to the fore-and-aft axis of the vehicle, and means for adjusting the position of said link along said parallel arms to compensate for changes in vehicle speed.

2,246,633

ADVERTISING DEVICE

John T. Lawlor, New York, N. Y.

Application January 9, 1939, Serial No. 249,852
3 Claims. (Cl. 40—70)



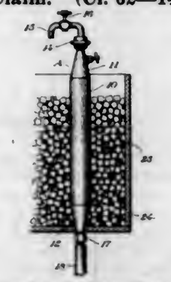
1. A device of the class described comprising a holder consisting of substantially similar front and rear wall members, a large disc arranged and rotatably mounted within and between said wall members, opposed side edges of the wall members having elongated recesses of predetermined length, said disc having equally spaced projecting members at the periphery thereof, the spacing between like edges of two adjacent projecting members being substantially equal to the length of each of said recesses, thereby maintaining only one of said members exposed through each of said recesses in any position of said disc, said exposed members facilitating clockwise and counter-clockwise rotary movement and alinement of said disc in the selective downward movement of said members to stop positions at the lower ends of said recesses, the front wall of said device having an aperture exposed to one surface of the disc, and said surface of the disc having circumferentially spaced characterized sections brought into accurate registering alinement with the aperture in said front wall in the aforesaid intermittent rotary movements imparted to said disc.

2,246,634

BEVERAGE COOLER AND DISPENSER

John S. Mittelstaedt and August J. Rantz, New Orleans, La.

Application December 13, 1939, Serial No. 309,070
1 Claim. (Cl. 62—147)



A device of the kind described, comprising an elongated cylindrical body having reversely tapered upper and lower ends, a substantially cup shaped nipple having internal and external threads, a flange within the nipple below the internal threads, a delivery pipe depending within said body and having an annular flange at its upper end for reception within said nipple and seated upon the flange, a central perforated retaining member screwed within the threads of the nipple and engaging the flange on the pipe and tightly seating the same on the flange in the nipple, a dispensing faucet detachably coupled with said nipple, a turn coupling engaging the external threads of said nipple for fastening the dispensing faucet thereto, a supply pipe within the lower end of the body and having a separate connection therewith, said pipe being reversely directed and terminating laterally adjacent to the wall of said body, and a venting device at the upper end of said body.

2,246,635

PROCESS FOR PREPARING IRREVERSIBLE STARCH DERIVATIVES

Fredrik André Möller, Groningen, Netherlands, assignor to Naamlooze Vennvotschap: W. A. Scholten's Chemische Fabrieken, Groningen, Netherlands, a corporation of the Netherlands

No Drawing. Application September 22, 1937, Serial No. 165,226. In the Netherlands October 26, 1936
7 Claims. (Cl. 260—10)

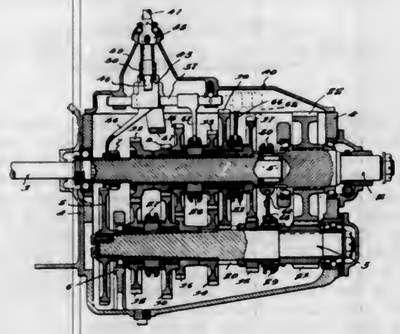
1. A process of manufacturing starch products which comprises mixing starch with a small amount of water and a substance of the group consisting of formaldehyde and formaldehyde yielding products in a proportion of not less than 2½% and not substantially above 10%, calculated as formaldehyde, suddenly heating the mixture while pressed into thin layers, to a temperature well above the gelatinizing point whereby the material is simultaneously dried, and then grinding the dry material.

2,246,636

TRANSMISSION GEARING

Carl D. Peterson and Elmer J. Barth, Toledo, Ohio, assignors to Spicer Manufacturing Corporation, Toledo, Ohio, a corporation of Virginia

Application February 7, 1940, Serial No. 317,724
3 Claims. (Cl. 74—333)



1. In a transmission gearing, the combination of input and output shafts arranged in axial alinement, a counter shaft, trains of change-speed gears between the input and counter shafts including selectively operable shiftable elements operable to operatively connect the input and output shafts together through different speed ratios, one of said speed ratios being through a gear on the counter shaft, a final drive train of gears between the counter shaft and the output shaft including gears rotatable with said shafts, the shiftable elements to effect two of said gear ratios including two clutches shiftable as a unit and shiftable in one direction from neutral to clutch one of the gears of the counter shaft to the counter shaft and in the other direction from neutral to connect the input and output shafts together in direct drive relation, and means for selecting and shifting the shiftable elements, and additional selectively operable gear trains between the input shaft and the counter shaft to transmit additional different gear ratios through the final drive gear train to the output shaft.

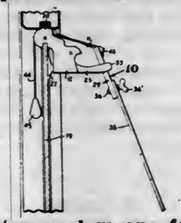
2,246,637

SIGNAL

John F. Reynolds, Pasadena, and Walter A. Abegg, Los Angeles, Calif.

Application November 16, 1940, Serial No. 365,876
10 Claims. (Cl. 116—51)

1. In a signal, a support, a support arm pivotally mounted on said support, a signal arm pivoted on the support arm on a pivot the axis of which is at right angles to the axis of the support arm, said signal arm including a signal member, means normally urging said support arm downwardly, a dog pivoted to said support, coacting means in the dog and support arm to hold said support arm in vertically adjusted



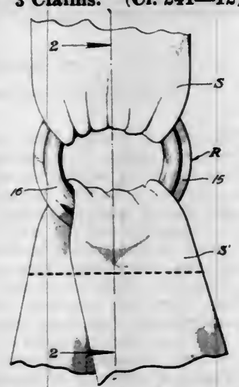
signaling position, and means for moving said support arm.

2,246,638

STRAP CONNECTING RING

Sam Samuels, Los Angeles, Calif.

Application June 21, 1939, Serial No. 280,325
3 Claims. (Cl. 241—12)



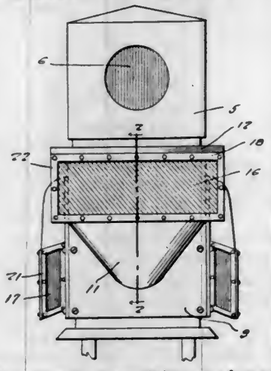
3. A strap connecting ring, comprising an annulus and an annular rounded portion having a greater thickness than the annulus proper and defining rounded surfaces on opposite sides and at the inner periphery of said annulus, said annulus lying wholly outwardly of and surrounding the outer periphery of said annular rounded portion.

2,246,639

TRAFFIC SIGNAL

Everett J. Sheridan, Jackson Heights, N. Y.

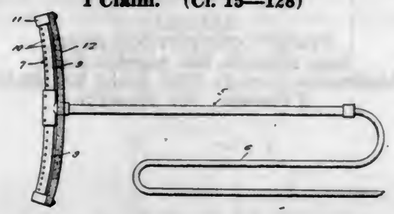
Application May 7, 1940, Serial No. 333,833
5 Claims. (Cl. 177—327)



1. A traffic signal comprising a signal housing

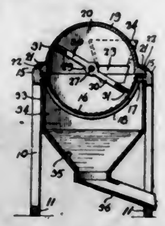
having angular adjacent sides provided with individual "stop" and "go" signalling lenses and a supporting plate for one of the lenses at each side of the housing and including upper and lower portions, one of said portions being opaque and the other of said portions being of box-like construction having a front window opening and side window openings adapted for simultaneous illumination from a common lamp and a lens in each of said openings.

2,246,640
CLEANING OR SWEEPING DEVICE
Paul Shurhay, Philadelphia, Pa.
Application November 9, 1940, Serial No. 365,115
1 Claim. (Cl. 15—128)



In a cleaning tool, a hollow head including a pair of pipe sections and a T coupling connecting said sections together in end to end relation and having a shank, a hollow handle fixed at one end in said shank and for admitting fluid under pressure therethrough to said head and sections, said head being provided with a front row of perforations extending from end to end thereof for discharging fluid from the head, said sections curving from the coupling forwardly of the same to concentrate the fluid discharged in front thereof, a pair of closure caps on the outer ends of the sections, respectively, and a scraper member comprising a strip of resilient material having its ends fixed to the caps, respectively, said member extending along the rear side of the head and under said shank and being attached at said ends solely to flex between ends for compensating movement over uneven surfaces, and said member having a broad bottom edge for sliding over said surfaces to force fluid forwardly of the same.

2,246,641
TOMATO JUICING DEVICE
Leon Spino, Clyde, N. Y.
Application August 2, 1939, Serial No. 287,997
1 Claim. (Cl. 146—174)



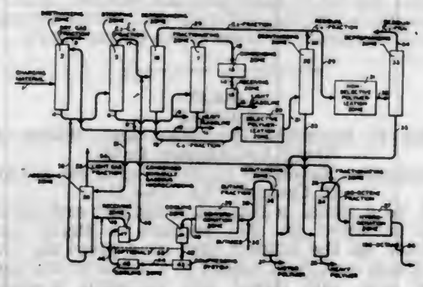
In a juicer of the character described, a frame structure, a stationary cylindrical receptacle carried thereby and having a screen bottom and an impervious top cover wall, a beater rotatably mounted in the receptacle, feed and refuse discharge means for the receptacle, a juice collection chamber and chute beneath the receptacle, side ledges on the frame structure for the support of opposite side edges of the screen bottom and arcuate wires secured at their ends to said ledges with the screen bottom resting on said wires and readily removable therefrom, the beater including a shaft journalled longitudinally and axially of the receptacle, radial arms carried by the shaft and longitudinally extending blades carried by the outer ends of the arms movable in wiping contact with the screen bottom, the ends of the blades adjacent the refuse discharge means being angularly bent for directing the refuse into the discharge means.

2,246,642
CIGARETTE EXTINGUISHER
Harriet Stachowiak, Huntington Park, Calif.
Application September 4, 1940, Serial No. 355,386
1 Claim. (Cl. 206—41)



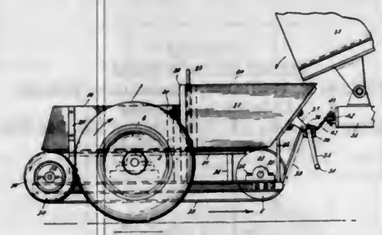
A combined cigarette extinguisher and case comprising a container substantially cigar-shaped for easy insertion endwise in a pocket and including a body section having an axial bore extending inwardly from one end thereof and of slightly greater diameter than that of a cigarette to contain a cigarette held clear of the wall of the bore, said bore flaring at said end, and a combined closure and extinguisher section having an axial inner socket therein of substantially the same diameter as that of the cigarette and for insertion of the lighted end of the cigarette therein to be smothered in the socket, said combined section having a reduced tube-like gripping end through which the cigarette is inserted into the socket, said gripping end being diametrically split for compression about the cigarette to grip and hold the same centered in said bore and clear of the wall thereof, said gripping end fitting in the flaring end of the bore for telescoping inwardly of the latter and compression about the cigarette under wiping engagement with said flaring end.

2,246,643
CONCENTRATION AND CONVERSION OF HYDROCARBONS
Kenneth D. Uitti, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 30, 1939, Serial No. 297,392
4 Claims. (Cl. 196—10)



1. A process for treating the gases and gasoline produced in hydrocarbon oil conversion, which comprises deethanizing the gases and gasoline while scrubbing the former with absorber oil comprising gasoline fractions to absorb C_3 and C_4 components of the gases in the oil, stripping the resultant gas-containing liquid to remove normally gaseous hydrocarbons therefrom, thereby forming a substantially gas-free liquid, supplying a portion of the latter to the deethanizing step as absorber oil therein, subjecting at least a portion of said normally gaseous hydrocarbons to polymerization, subjecting residual paraffin gases from the polymerizing step to dehydrogenation, scrubbing gaseous products of the dehydrogenation with another portion of said gas-free liquid to absorb in the latter components of said gaseous products, and supplying the thus enriched liquid to the aforesaid stripping step.

2,246,644
DISTRIBUTING MACHINE FOR BINDING MATERIAL
Oscar S. Ulland, Austin, Minn.
Application July 31, 1940, Serial No. 348,806
1 Claim. (Cl. 275—2)



In a machine of the class described, an axle, a pair of wheels supporting said axle, a frame underslung midway of its ends from said axle and including a pair of side bars, a pair of front and rear end rollers, respectively, journaled on said bars, to extend between the same on opposite sides of said wheels, respectively, an endless apron trained around said rollers with its upper stretch above the axle, a hopper mounted on said bars in front of said wheels and above said upper stretch in closely spaced relation to the latter and having a rear opening therein directly over said stretch whereby under travel of said stretch rearwardly material will be displaced from the hopper by said stretch and ejected rearwardly off the apron, a platform mounted on said bars and extending between said rollers in supporting relation to said upper stretch, a pair of side panels mounted on said bars, respectively, to extend along opposite side edges of said upper stretch, respectively, to confine the material on said stretch, and a friction drive between one of said wheels and one of said rollers for driving said upper stretch rearwardly under forward travel of the machine.

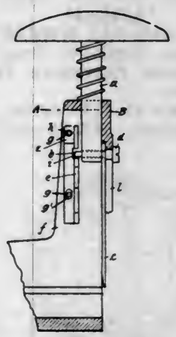
2,246,645
RECOVERY OF HALOGENS
Oliver M. Urbain and William R. Stemen, Columbus, Ohio, assignors to Charles H. Lewis, Harpster, Ohio
No Drawing. Application February 23, 1939, Serial No. 258,100
8 Claims. (Cl. 23—217)

1. The process of extracting bromine and iodine from liquids containing said halogens which comprises contacting said liquids with an active carbon saturated with adsorbed chlorine.

2,246,646
RECOVERY OF HALOGENS
Oliver M. Urbain and William R. Stemen, Columbus, Ohio, assignors to Charles H. Lewis, Harpster, Ohio
No Drawing. Application February 23, 1939, Serial No. 258,101
8 Claims. (Cl. 23—217)

1. The process of extracting bromine and iodine from liquids containing said halogens which comprises making said liquids alkaline and contacting said liquids with an active carbon which has been first saturated with an ammoniacal gas and then saturated with chlorine.

2,246,647
STAPLING DEVICE
Rudolf Vancura, Vienna, Germany, assignor to the firm Reissnägel- und Metallkurzwarenfabrik Heinrich Sachs, Vienna, Germany
Application December 10, 1938, Serial No. 244,995
4 Claims. (Cl. 1—49)

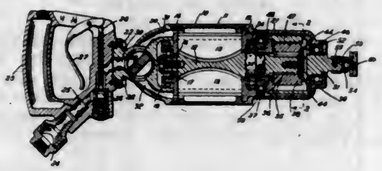


1. In a stapling device, a plunger, a plunger housing, means to arrest the upward movement of the plunger before the completion of a full fastener driving stroke, said means comprising a lug extending from the rear face of the plunger, a rack positioned obliquely in the housing and to the path of travel of said lug, said rack supported by two rods secured to the housing, a spring for pressing the upper end of said rack against one side of the housing, said rack having an opening for the passage of said lug, downward movement of said plunger moving said lug against the force of the spring to displace said rack, and return movement of said plunger after a complete driving stroke displacing said rack in the opposite direction until the said rack is released by the passage of said lug through the opening in said rack to restore said rack to its initial position.

2,246,648
ROTARY IMPACT TOOL
Paul Van Sittert and Spencer B. Maurer, Cleveland Heights, Ohio, assignors to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application August 6, 1937, Serial No. 157,744
2 Claims. (Cl. 192—30.5)

1. In a device of the character described, the combination of a driving head having rotation imparted thereto in either direction, a rotatable driven head, clutch jaws stationary on said driven head, two sets of driving jaws carried by said driving head for rotation therewith and pivotal movement relative thereto on axes parallel to the

center axis thereof, said driving jaws being centrifugally pivoted into operative engagement with said clutch jaws one set during rotation of said driving head in one direction and the other set during rotation of said driving head in the other



direction, said driving jaws being capable of release to enable relative rotation between said clutch and driving jaws, and means automatically effecting said release upon a predetermined reduction in the rotary speed of said driving jaws.

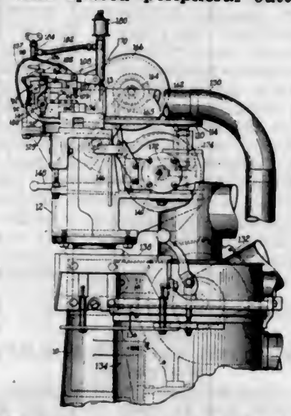
2,246,649
CAP AND JAR WRENCH
Maxwell A. West, Portland, Oreg., assignor to Bocjl Corporation, Pittsburgh, Pa., a corporation of Delaware
Application April 15, 1938, Serial No. 202,237
2 Claims. (Cl. 81—3.1)



1. An appliance of the class described comprising a ring-like soft rubber body with inwardly turned top portion open at its center and having a plurality of inwardly projecting fingers thereon, the body being severed at one point in its periphery, the line of severance also extending across the top to the open center whereby the device may be contracted by overlapping the end portions of the body or expanded by stretching them apart, the appliance normally assuming a shape where the ends of the body are separated only a small fraction of an inch and with the body having a normal internal diameter at such time closely approximating the outside diameter of a conventional fruit jar cap.

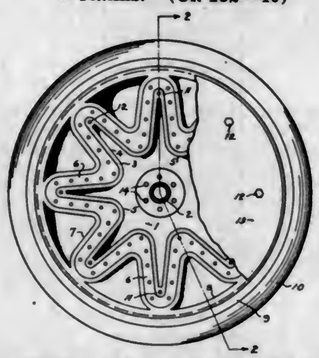
2,246,650
ROUNDING MACHINE
John M. Whelton, Peabody, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application December 22, 1938, Serial No. 247,239
30 Claims. (Cl. 12—88)

1. In a sole-rounding machine, a rotatable cutter, and means arranged to engage a shoe-upper at points along the crease opposite the margin of an attached sole and being spaced from said upper outside the crease, such means being adapted to guide the sole in a direction generally parallel to the axis of the cutter and to present the sole to said cutter to be severed along an edge-surface substantially at right-angles to the opposite faces of the sole, the cutter being provided with spaced peripheral cutting edges



entering the margin of the sole at the side toward the shoe-upper.

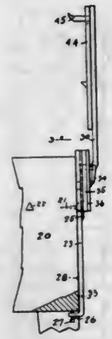
2,246,651
RESILIENT WHEEL
William E. Williams, Vancouver, British Columbia, Canada
Application July 29, 1940, Serial No. 348,200
3 Claims. (Cl. 152—40)



1. A resilient wheel comprising side members spaced apart, a star shaped member secured concentrically between the side members, each point of the star shaped member forming a pair of straight flights arranged at an acute angle, a star shaped band between the side members, said band having straight portions normally parallel to the straight flights and a felly rim surrounding said star shaped band, and resilient material filling the interspace between each straight flight and its cooperating straight portion of the star shaped band.

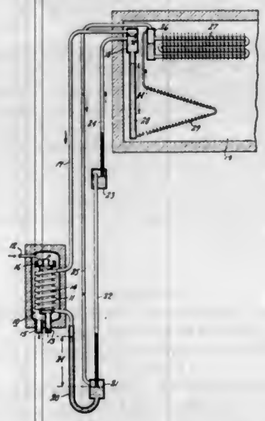
2,246,652
BUTCHER'S TOOL RACK
Gunnar Wingard, Tacoma, Wash.
Application September 5, 1939, Serial No. 293,450
2 Claims. (Cl. 211—60)

1. A tool rack for a butcher's block, comprising a pair of supporting screws fastened into the vertical face of the block at uniform level; a pair of supporting frame members each having two vertically alined holes therein, adapted to selectively pass over and engage the heads of said screws; horizontal flanges at the lower ends of said frame members and passing under the block; removable flanged inserts secured to said flanges when the said screw heads are in engagement with the upper of said holes; screw means pass-



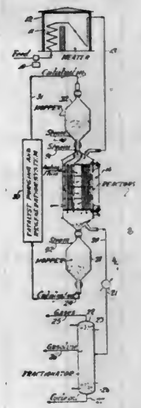
ing through said flanged inserts and engaging the under side of the block to hold said frame members in tight engagement with said supporting screws; and means mounted on said frame members to hold tools.

2,246,653
REFRIGERATION
Sven W. E. Andersson, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application January 5, 1940, Serial No. 312,465
15 Claims. (Cl. 62—125)



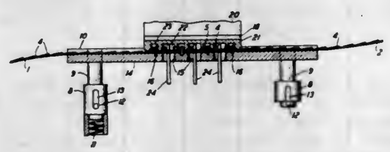
1. A system for transmitting refrigeration from a refrigeration source to a higher elevation which includes an evaporator at said higher elevation, a condenser cooled by said refrigeration source and at a lower elevation, conduits connecting said evaporator and condenser in a circuit for volatile fluid, said conduits including means to maintain liquid columns all of which are below said evaporator and including a first column below said condenser and a second column above said condenser but below said evaporator, a vapor liquid lift for raising liquid from said first column to said second column, and a second vapor liquid lift for raising liquid from said second column to said evaporator.

2,246,654
HYDROCARBON CONVERSION SYSTEM
Maurice H. Arveson, Flossmoor, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 30, 1939, Serial No. 311,886
16 Claims. (Cl. 196—52)



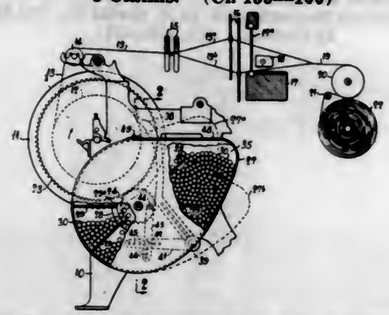
2. The method of effecting continuous catalytic conversion which comprises mounting a plurality of catalyst tubes in a reaction chamber, maintaining certain of said tubes full of catalyst while other of said tubes are being emptied and filled with catalyst material, preventing the passage of vapors through each tube while it is empty and while it is being emptied and filled, removing spent catalyst material from the reaction zone without interrupting the flow of hydrocarbon vapors in said zone, and introducing catalyst to said reaction zone without interrupting the flow of hydrocarbon vapors in said zone.

2,246,655
TAPE SPLICER
Walter M. Bacon, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 20, 1940, Serial No. 319,922
10 Claims. (Cl. 93—1.1)



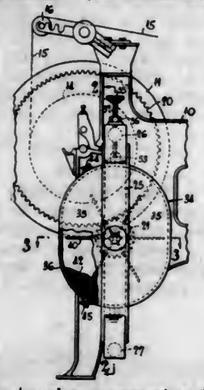
1. The method of splicing two strips of message transmitting tapes both of which are provided with feeding elements, each of said tapes having signals stored therein, at least one of said tapes having its signals stored therein in the form of partial cut-outs, each of said partial cut-outs forming a movable lid in the tape, said method comprising superimposing one strip of tape over the other strip of tape, aligning a group of alternate feeding elements in the end of one strip of tape with a group of alternate feeding elements in the superimposed end of the other strip of tape, and pushing some of said movable lids of alternate signals in one tape through some of the alternate signals in the other tape.

2,246,656
LET-OFF MECHANISM
William H. Bahan, Greenville, S. C.
Application May 13, 1940, Serial No. 334,921
5 Claims. (Cl. 139—100)



1. In a warp tensioning device for looms, a warp beam, a shaft driven by said beam, a plurality of radially disposed vanes extending from said shaft, and being adapted to have loose weighted matter to resist rotation, and a housing separate from the vanes and encasing said vanes and said weighted matter, and means for adjusting the position of the housing relative to the vanes and said shaft.

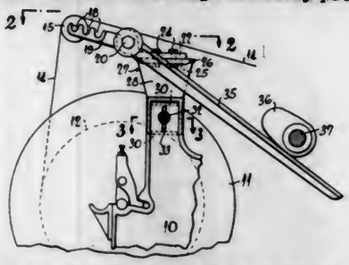
2,246,657
WARP TENSIONING DEVICE
William H. Bahan, Greenville, S. C.
Application September 19, 1940, Serial No. 357,409
7 Claims. (Cl. 139—100)



1. In a warp tension apparatus for warp let-off beams in looms, and the like, comprising a casing, a rotary member, a plurality of vanes secured to said rotary member and disposed in said casing, driving connection between said rotary member and the warp beam, loose material disposed in said casing and yieldingly resisting the movement of said vanes, and means for vertically adjusting the casing relative to the rotary member to thereby vary the amount of material engageable by said vanes.

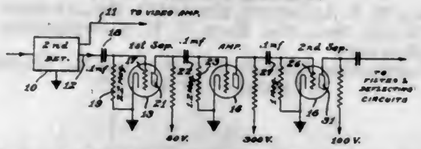
2,246,658
WHIP ROLL STAND BRACKET
William H. Bahan, Greenville, S. C.
Application September 19, 1940, Serial No. 357,410
3 Claims. (Cl. 139—115)

1. In a loom having a whip roll over which a warp is adapted to pass, said roll being oscillatably mounted about a shaft, and said loom having a pair of spaced frames, means for supporting the ends of said shaft comprising a vertically adjustable bracket secured to each of said frames, said bracket having a laterally projecting



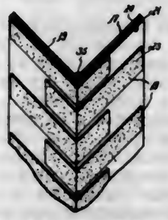
flange with a warpwise slot therein, a second bracket resting over said slot in said first bracket and being adapted to carry said shaft, and a bolt penetrating said slot and said second bracket whereby said second bracket is held in adjusted position on said first bracket.

2,246,659
SEPARATING CIRCUIT
Randall C. Ballard, Audubon, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 4, 1939, Serial No. 265,923
4 Claims. (Cl. 178—7.3)



1. In a television receiver wherein synchronizing pulses and picture signals are received as a composite signal in which said pulses are of greater amplitude than the picture signals, electric discharge tube means for separating said synchronizing pulses from said picture signals, an amplifier and a second electric discharge tube means for separating said pulses from said picture signals, said first means, said amplifier and said second means being connected in cascade in the order named.

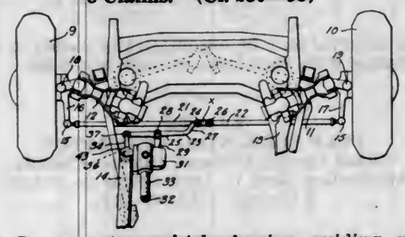
2,246,660
CORNERPIECE AND THE METHOD OF FORMING THE SAME
Reginald B. Bawtenheimer, Sarnia, Ontario, Canada
Application August 11, 1938, Serial No. 224,346
7 Claims. (Cl. 20—5)



1. The method of forming a corner piece facing of the class described, embodying a body bent to provide a pair of portions extending angularly to each other consisting in notching the

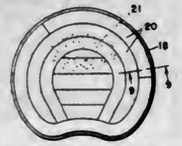
inner face of said body through a portion of its depth along the line of desired bend, heating said body along said line of bend from the underside thereof for facilitating the bending thereof, and bending said body into the desired angularity along said line of bend.

2,246,661
MOTOR VEHICLE
Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application May 24, 1939, Serial No. 275,500
8 Claims. (Cl. 280—95)



1. In a motor vehicle having guiding road wheels, a pair of transverse steering control rods connected to steer said wheels, a lateral arm pivotally connected at one end to said steering control rods and extending toward one side of said vehicle, swingable means pivoted to an intermediate portion of said arm to cause lateral movement, and compensating means connected to the free end of said lateral arm, and anchored to move parallel with said swingable means, said compensating means influencing said lateral arm to restrain fore and aft movement of said steering control rods and actuated by said swingable means.

2,246,662
CUSHION SEAT AND METHOD OF MAKING THE SAME
Joseph E. Bloomberg, Milwaukee, Wis., assignor to Milwaukee Saddlery Company, Milwaukee, Wis., a corporation of Wisconsin
Application January 30, 1937, Serial No. 123,140
6 Claims. (Cl. 45—138)



1. The method of forming a sponge rubber cushion for a dished metal seat body comprising cutting blocks from a slab of sponge rubber, the thickness of said blocks determining the depth of the cushion, fitting together and cementing these blocks in juxtaposition upon the seat body to form a layer of cushioning material with cut surfaces of the blocks adhesively contacted with said body.

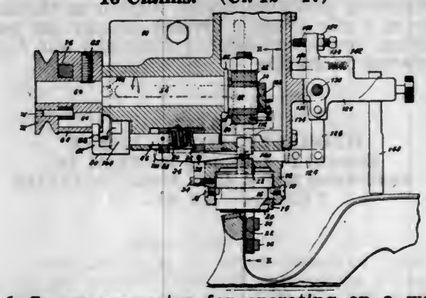
2,246,663
WINDOW SCREEN
Lawrence Bradshaw, Vancouver, British Columbia, Canada
Application January 16, 1940, Serial No. 314,090
In Canada November 21, 1939
2 Claims. (Cl. 156—14)

1. A window screen comprising a sheet of wire mesh, a strip of textile fabric folded along a medial line forming a border for each of the marginal edges of the wire mesh, said wire mesh extending into the fold of each strip and terminating at a line remote from the fold, the outer



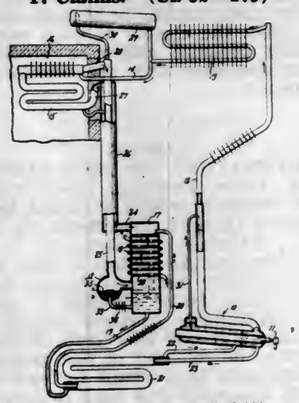
folded portions of said strip lying in intimate contact with each other.

2,246,664
TRIMMING MACHINE
Francis L. Brandt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application July 25, 1939, Serial No. 286,418
18 Claims. (Cl. 12—47)



1. In an apparatus for operating on a work piece, a yielding abutment movable from a first position to a second position in response to pressure applied by the presentation of a work piece thereto, means operated by movement of the abutment to the second position for causing an operation to be performed on said work piece, and means acting on said abutment and normally preventing movement of said abutment upon the application of pressure thereto from the first position to the second position but permitting such movement when the work piece is presented to the abutment at a predetermined angular relationship with respect thereto.

2,246,665
REFRIGERATION
Ralph M. Buffington, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application November 8, 1938, Serial No. 239,439
17 Claims. (Cl. 62—179)



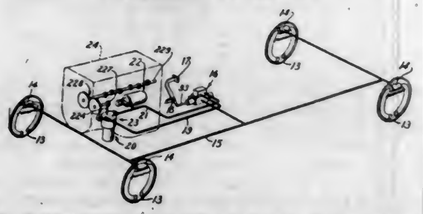
1. That improvement in inhibiting corrosion

in an absorption refrigeration system containing liquid which consists in maintaining a reserve supply of solid corrosion inhibiting substance soluble in said liquid in a stream of liquid flowing to and from the active liquid containing portion of the system.

2,246,666
PROCESS FOR STORING SULPHUR
Charles S. Collier, Wilmington, Del., and Lee A. Myers, Chicago, Ill., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 27, 1939, Serial No. 311,086
2 Claims. (Cl. 23—242)

1. In a process for storing sulphur, the step comprising providing molten sulphur on the surface of a pile of finely divided sulphur and permitting the molten sulphur to solidify and form a coating on the pile.

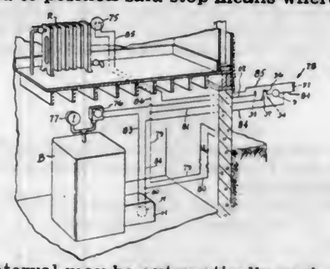
2,246,667
HYDRAULIC POWER BRAKE
Howard D. Coleman, Rockford, Ill.
Application May 8, 1937, Serial No. 141,432
7 Claims. (Cl. 60—52)



4. A hydraulic power brake comprising, in combination, a brake actuator, a sump, a pressure reservoir, a pump having an inlet line opening from said sump and a delivery line opening to said reservoir and having valve means for controlling said lines, a control unit connected to said actuator and having a supply line including a pressure valve opening from said reservoir and an outlet line including an exhaust valve opening to said sump, manual means for actuating said valves to close said outlet line and open said supply line for brake application and to close said supply line and open said outlet line for brake release, and pressure responsive means automatically operable on brake application to actuate said valves independently of said manual means so as to effect the closing of both valves when the braking pressure attains a predetermined value corresponding with the position of said manual means.

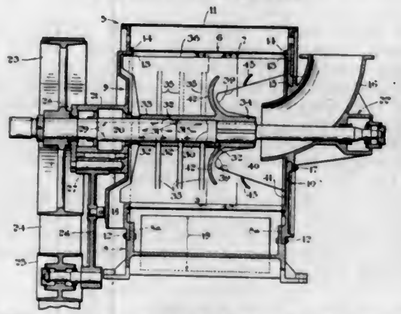
2,246,668
TEMPERATURE CONTROL SYSTEM
Charles C. Cram, Portland, Oreg., assignor to L. R. Teeple Company, Portland, Oreg.
Application August 9, 1938, Serial No. 223,869
9 Claims. (Cl. 236—91)

1. In a temperature control system, a switch, a switch actuator normally biased to a rest position, a time train adapted to drive said actuator, controllable coupling means between said actuator and said time train whereby said actuator may be released to rest position, variable positionable stop means for said actuator adapted to determine the time interval of said actuator, and means responsive to outdoor temperature conditions and associated with and adapted to position said stop means whereby said



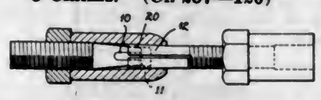
time interval may be automatically varied in accordance with variations in said condition.

2,246,669
PULP SCREENING APPARATUS
Elijah Cowan, Dolbeau, Quebec, Canada
Application June 13, 1938, Serial No. 213,459
4 Claims. (Cl. 92—34)



1. Pulp screening apparatus of the "quiller" type comprising a stationary cylindrical screen through which the pulp suspension is passed, an impeller comprising a plurality of impeller blades fixed to a hub mounted on a rotary impeller shaft extending axially through said screen, said shaft being provided with an internal water passage having radial outlet openings communicating with radial openings formed in said hub and each of said impeller blades being provided with radial grooves formed in the pressure side thereof and having their inner ends communicating with certain of the hub openings and means for supplying dilution water to said passage for delivery to said grooves.

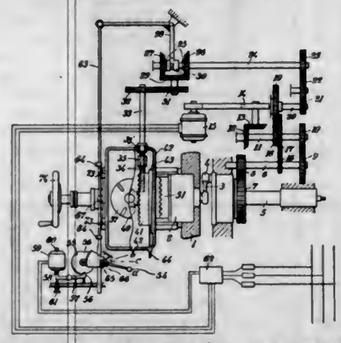
2,246,670
CONNECTING DEVICE
Harry W. Earl, Oakmont, Pa.
Application August 9, 1939, Serial No. 289,162
3 Claims. (Cl. 287—126)



1. A connector device of the character described, comprising a body member having a socket formed therein, a radially-expandable terminal member insertable into said socket, a rigid member in said socket for internally engaging said terminal member when inserted into the socket, and means comprising cooperating eccentric surfaces formed on the interengaging surfaces of said terminal member and said rigid

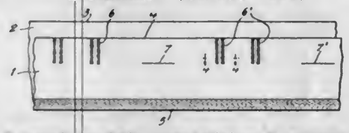
member for expanding and maintaining said terminal member in gripping engagement with the inner wall of said socket, said last-named means being operative through relative twisting of said rigid member and said terminal member.

2,246,671
MACHINE FOR SHAPING SPUR GEARS
Georg Fischer, Zollikon, Switzerland, assignor to Maag-Zahnräder und-Maschinen A. G., Zurich, Switzerland
Application August 24, 1938, Serial No. 226,415
In Germany August 28, 1937
4 Claims. (Cl. 90—9)



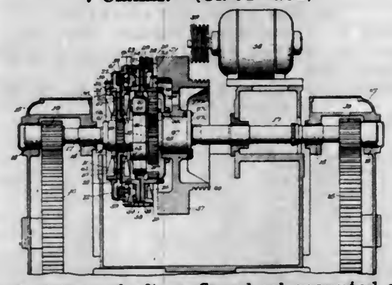
1. In a machine for shaping spur gears, a reciprocatory ram, a tool of the rack-type mounted on and extending transversely of the ram, a support, a rack mounted on said support in a common plane with said tool and coextensive therewith, a slide slidably mounted on the support to have movement parallelly of said rack, a work spindle journalled in said slide to rotate in a plane parallel to said tool and rack, a spur gear rotatable with said work spindle meshing with said rack, said tool having a length not less than the circumference of said spur gear, means for imparting reciprocatory movement to the ram and cutting motion to said tool in a plane parallelly of the axis of said work spindle, and means for mounting and adjusting said fixed rack towards and away from said work spindle, comprising a wedge engaged between the edge of the rack opposite the rack teeth and a wall portion of the support, a screw spindle connected to the wedge for longitudinally shifting said wedge, and means releasably securing the wedge in adjusted position.

2,246,672
PANT CURTAIN
Edwin J. Gibbons, East Providence, R. I., assignor to Thomas French & Sons, Ltd., New York, N. Y., a corporation of New York
Application August 20, 1940, Serial No. 353,341
3 Claims. (Cl. 139—384)



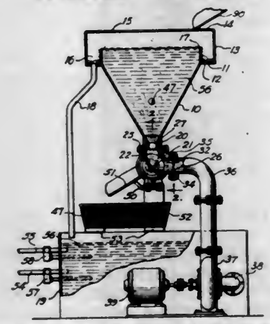
1. A pant curtain comprising a woven narrow fabric having a relatively narrow band woven of warp and weft, a second narrow band also woven of warp and weft superimposed on said first band, said bands being woven together at one edge only to form a unitary structure, at least some of the warp threads of one band being interwoven with the weft of the other band at longitudinally spaced intervals to form a series of pocket-like openings, and button holes formed on one of said bands in an area where it is separated from the other band and in longitudinal alignment in the approximate center of each of said pocket-like openings.

2,246,673
DRIVING MECHANISM
Rudolph W. Glasner and Einar K. Johansen, Chicago, Ill.; said Johansen assignor to said Glasner
Application March 7, 1940, Serial No. 322,722
7 Claims. (Cl. 74—291)



1. A driven shaft, a fly wheel mounted upon the shaft for rotation with respect thereto, a sun gear connected with said fly wheel, a support also mounted upon said shaft for rotation therewith, a rotatable orbit gear, gear connections between said orbit and sun gears, a brake element, carried by said orbit gear, a second brake element connected with said shaft for rotation therewith, additional brake elements co-operating with the first said brake element for controlling the rotation of said orbit gear, additional brake elements co-operating with the first said brake element for controlling the rotation of said driven shaft, means for causing said brakes to become active and inactive in opposition to each other, and means for controlling the operation of the said brakes, the last recited means embodying cylinder and piston elements housed within the brake elements.

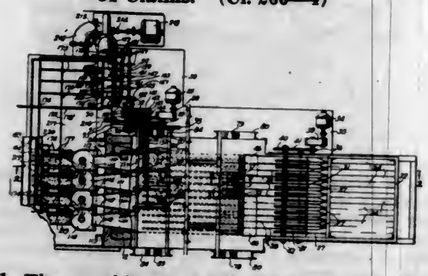
2,246,674
QUENCHING DEVICE
Herbert W. Gronemeyer, Kansas City, Mo., assignor to Sheffield Steel Corporation, a corporation of Ohio
Application April 15, 1940, Serial No. 329,661
16 Claims. (Cl. 266—6)



1. A quenching device of the character de-

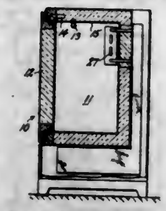
scribed comprising a receptacle flaring upwardly from the bottom thereof and forming an unobstructed chamber of increasing cross section from near the bottom thereof to near the top thereof, a liquid inlet in said bottom having means for directing a stream of liquid upwardly from said bottom of said receptacle into said chamber, said receptacle being of such depth that the liquid from said stream will accumulate therein to form a body of said liquid therein, means for feeding metallic objects heated to a predetermined temperature into the upper portion of said receptacle and into said body of liquid, and overflow means for discharging liquid from said receptacle.

2,246,675
QUENCHING APPARATUS
Herbert W. Gronemeyer, Kansas City, Mo., assignor to Sheffield Steel Corporation, a corporation of Ohio
Application August 9, 1940, Serial No. 351,973
31 Claims. (Cl. 266—4)



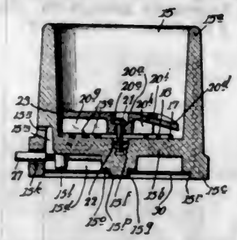
1. The combination with heating means, of means for discharging heated metal objects from said heating means at intervals, cooling means for said objects, comprising a receptacle, means for passing the discharged objects into said receptacle, means for supplying cooling liquid to said receptacle in a manner to create an upwardly directed current of said liquid therein, and means for controlling the supply of said liquid to said receptacle to periodically supply said liquid thereto for predetermined time intervals in synchronism with the passage of said objects into said receptacle.

2,246,676
REFRIGERATOR
William R. Hainsworth, Larchmont, N. Y., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application December 1, 1938, Serial No. 243,340
1 Claim. (Cl. 62—89)



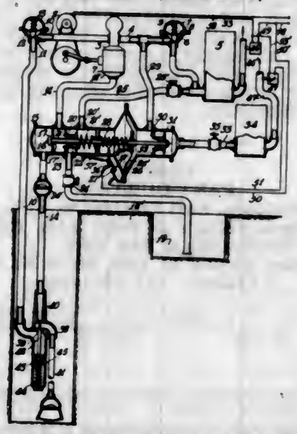
A refrigerator having a storage compartment accessible by means of a door, refrigeration apparatus for cooling air in said compartment, a source of ultra-violet light for irradiating food or the like in said compartment, a switch operated by movement of said door for controlling said light source, and means for delaying opening of said switch after closing of the door comprising a thermostatic element and an electric heater for the element connected to be turned on and off upon opening and closing of the door.

2,246,677
LIQUID CONDUCTOR HEATER
Marshall W. Hanks, Madison, Wis., assignor to Hankscraft Company, Madison, Wis., a corporation of Wisconsin
Application February 16, 1938, Serial No. 190,816
7 Claims. (Cl. 219—40)



1. A liquid conductor heater comprising an insulating vessel adapted to contain a measured quantity of liquid, a pair of spaced electrodes in said vessel adapted to be connected by said liquid, said vessel having a bottom wall with a continuous annular flange extending downwardly therefrom to rest upon a support, said flange having an aperture therethrough communicating with the space beneath said bottom wall, and a pair of electric supply conductors leading through said aperture and connected to said electrodes, said insulating vessel having a cavity therein extending upwardly from the region of said conductors and positioned to limit the transfer of heat from the interior of said vessel to said conductors in the vicinity of said aperture.

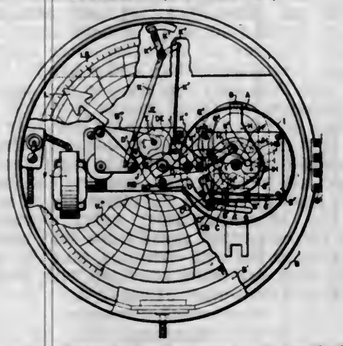
2,246,678
DEEP WELL AND CISTERN AUTOMATIC PUMPING PLANT
Thaddeus S. Harris, Waverly, Ill.
Application April 6, 1939, Serial No. 266,314
3 Claims. (Cl. 103—5)



1. In an automatic cistern and well pumping plant, the combination of a suction type force pump, an electric motor operably connected to said pump, an electric power source, a well water tank, an electric switch connected to said tank

and interposed between said motor and said power source, a cistern, a cistern water tank, a second electric switch, said switch being connected to said tank and interposed between said motor and said power source, a discharge chamber from said pump, an intake chamber to said pump, a passage from said discharge chamber to said well water tank, a pressure control valve connected into said passage, a jet type booster unit comprising a jet and conical delivery tube, a second discharge passage, said second passage extending from said discharge chamber to the jet of said booster unit, a pressure controlled check valve in said second passage, an automatic control unit comprising a diaphragm chamber, a diaphragm across said chamber, one side of said diaphragm chamber being connected to said discharge chamber, the opposite side of said diaphragm chamber being open to atmospheric pressure, a spring in this side of said chamber and disposed to support said diaphragm, an intake control chamber fixed to said diaphragm chamber, a passage connecting said intake control chamber to the intake chamber of said pump, a passage from said intake control chamber to the delivery tube of said booster jet unit, a valve controlling said passage, said valve being operably connected to said diaphragm, a second passage from said intake control chamber, said second passage extending to said cistern, an automatic valve controlling said passage, said valve being operably connected to said diaphragm, a second and manually controlled valve in said passage, a passage from said pump discharge chamber to said cistern water tank, an automatic valve in said passage, said valve being operably connected to said diaphragm, a manually operable valve in said passage, a passage from said intake control chamber to said well water tank, a manually operable valve in said passage, an electric switch fixed to said diaphragm chamber, being operably connected to said diaphragm and interposed in series connection between said second switch and said power source.

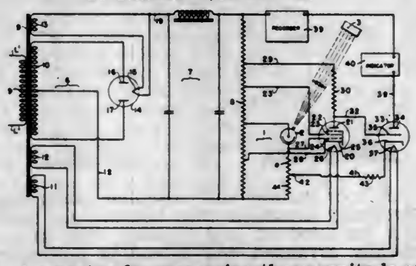
2,246,679
MEASURING INSTRUMENT
Thomas R. Harrison, Wyncote, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 20, 1936, Serial No. 80,708
4 Claims. (Cl. 171—95)



1. A potentiometric instrument including a galvanometer deflecting in accordance with potentiometer unbalance, a potentiometer rebalancing element angularly adjustable about an axis, a clutch device having portions at opposite sides of said axis and adapted to be operatively coupled to said element, and to turn the latter in one direction or the other, by pressure against one or the other said portions, a lever having its fulcrum laterally displaced from said axis, means adapted to periodically turn said lever about its fulcrum toward and away from a position in which said lever presses against both of said portions and thereby holds said device in a neutral position and on engagement with said device couples the latter to said element, and means adapted to periodically adjust said device relatively to said element angularly about said axis from said neutral position into a position dependent on the deflection of said pointer, whereby said lever on its subsequent movement into the position first mentioned will first engage one or the other of said portions, depending on the adjustment of said device, and thereby couple said device to said element and turn said device in one direction or the other, back into said neutral position.

2. The combination in a self balancing potentiometer instrument, of a slide wire resistance curved about an axis, means responsive to potentiometer unbalance, potentiometer rebalancing means controlled by the first mentioned means and including an element including a cam part angularly adjustable about said axis, a contact carried by said element and moved along said resistance as said element is angularly adjusted, and exhibiting mechanism including an actuating lever pivoted at a distance from said axis and including a portion engaged and actuated by said cam part.

2,246,680
MEASURING APPARATUS
Thomas R. Harrison, Wyncote, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 26, 1937, Serial No. 176,772
16 Claims. (Cl. 88—23)

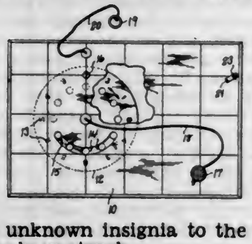


1. Apparatus for measuring the magnitude of a variable condition including the combination of an electronic amplifier having an input circuit and an output circuit, a source of energizing voltage, a self balancing Wheatstone bridge network receiving energizing current from said source and having its equalizing terminals connected to the input circuit of said amplifier, means included in one arm of said network adapted to change in resistance in accordance with variations in said condition and adapted to unbalance said network to a corresponding extent, a resistance disposed in an opposed arm of said network, and means for passing the output current from said amplifier through a portion of said resistance for rebalancing said network.

2,246,681
PRACTICING DEVICE FOR GOLFERS
John W. Harte, New Haven, Conn.
Application July 6, 1940, Serial No. 344,242
5 Claims. (Cl. 273—32)

1. A practicing device for golfers comprising a

mat and a movable insignia carrier so arranged as to be partially covered by a golf ball and to

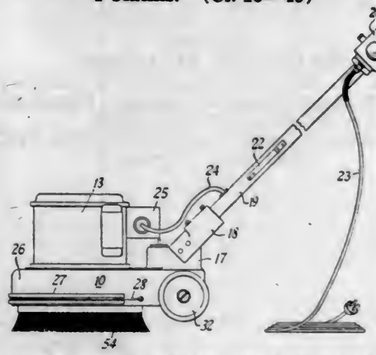


expose an unknown insignia to the player after the ball has been struck.

2,246,682
CATALYST
Llewellyn Heard, Hammond, Ind., and Alex G. Oblad, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application November 16, 1938, Serial No. 240,642
2 Claims. (Cl. 252—230)

2. As a hydrocarbon conversion catalyst, nickel and platinum supported on magnesium chromite.

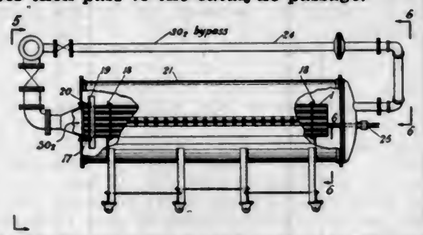
2,246,683
MAINTENANCE MACHINE
William E. Holt, Oakland, Calif.
Application February 23, 1940, Serial No. 320,228
4 Claims. (Cl. 15—49)



1. A floor maintenance machine comprising a horizontally arranged base housing, an electric motor mounted on said housing with its shaft vertically arranged and extending downwardly through said housing, a vertical implement shaft positioned below said motor shaft, a speed reduction system connecting said motor and implement shafts and comprising a rotatable bearing mounted in said housing, a vertical jack shaft eccentrically journaled in said bearing, a belt and pulley drive connection between said motor shaft and said jack shaft, a second belt and pulley drive connection between said jack shaft and said implement shaft, an implement holder mounted on said implement shaft within said housing, and a rotary implement detachably mounted on said holder.

2,246,684
CATALYTIC CONVERTER
David M. Hurt, Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 9, 1938, Serial No. 189,529
11 Claims. (Cl. 23—288)

1. An internal heat exchange catalytic converter comprising contiguous catalytic and heat exchange passages the catalytic passage having a substantially single layer of pelleted catalyst so located that substantially every portion of the catalyst may lose heat to the passage walls by unimpeded radiation, the catalytic and heat exchange passages being provided with means causing the gas from the heat exchange to pass to the catalytic passage whereby the heat exchange passage serves to transfer to incoming gas the heat radiated by the catalyst and the preheated gases then pass to the catalytic passage.

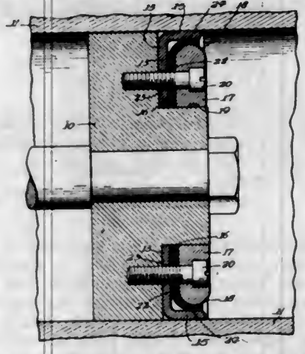


5. An internal heat exchange catalytic converter comprising a plurality of spaced plates, each pair of plates being separated at parallel edges by a straight separator and one leg of an L-shaped separator, the second, entry-blocking, leg of the L-shaped separator extending towards but not reaching said straight separator whereby an entry is provided into the spaces between the plates the L-shaped separator between alternate pairs of plates having the entry-blocking leg of the L extending in a direction opposite to the direction of the entry-blocking leg of the L between a contiguous pair of plates, one set of passages formed between the spaced plates and all having an entry passage on the same side of the plates being provided with baffles spaced from the plates and parallel thereto, the remaining passages being provided with a catalyst carrier spaced from the plates and parallel thereto for receiving a layer of catalyst, a header for supplying gas to the first-named set of passages and a header for collecting the reacted gases from the other set of passages.

11. An internal heat exchange catalytic converter comprising a plurality of spaced plates which are provided at parallel edges with separators which space the plates and define a gas passage between each pair of plates, blocking means provided at one end of alternate gas passages the means extending from one of said edges towards the other and closing at least half of the opening into the gas passage, all of said means being similarly located in each of said alternate gas passages whereby all have an entry opening in the same relative position, and a header for supplying gas thru said openings to the said alternate passages, blocking means provided at the same said end for the remaining passages similar to the first mentioned means but extending from the opposite edge whereby the said remaining passages all have an exit opening in the same relative position but on the other side of said end from the aforementioned entry openings, a header for collecting gases from said remaining passages thru the exit openings, and the said remaining passages being provided with means for supporting a thin layer of catalyst.

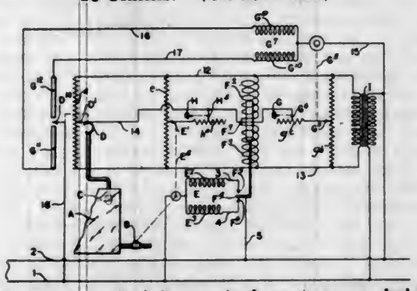
2,246,685
PISTON PACKING
Einar K. Johansen, Chicago, Ill., assignor to Clearing Machine Corporation, Clearing, Ill., a corporation of Illinois
Application March 27, 1940, Serial No. 326,256
3 Claims. (Cl. 309—34)

1. In combination, a piston operable in a cylinder, said piston having a circumferential recess opening through the end and periphery thereof, an annular cup shaped flexible member seated in said recess and encompassing a portion of the piston, a second annular and normally substantially flat flexible member of a diameter considerably greater than the inside diameter of the cup shaped member and adapted to be seated in said recess, and encompassing a portion of the piston, a substantially flat rigid annular retaining member encompassing a portion of said piston and contacting the said second annular member, said retainer member be-



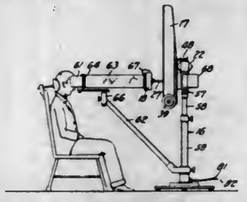
ing of a diameter less than the diameter of the last said annular member and also of the cup shaped member, and fastening members passing through all of said members and engaging the piston whereby to draw said retainer and the said normally flat annular member into the cup shaped member to deflect the periphery of the said normally flat annular member, the diameter of said retainer member being greater than the normal inside diameter of the deflected portion of the second said member, whereby said deflected portion of the latter will be compressed to hold the wall of the cup shaped member against the cylinder wall.

2,246,686
CONTROL SYSTEM
Harry S. Jones, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 3, 1937, Serial No. 157,084
36 Claims. (Cl. 172—239)



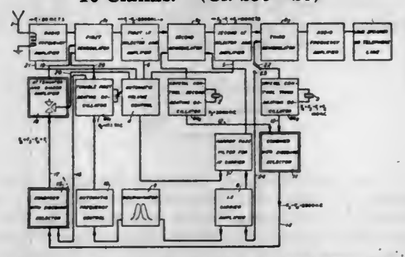
29. In an electric control system, a bridge circuit including measuring, control and reset resistors connected in parallel, measuring, control and reset contacts respectively engaging said resistors, each said resistor and associated contact being adapted for relative movement to form measuring, control and reset couples, means responsive to the direction of departure of a control quantity from a normal value of said quantity for correspondingly adjusting the measuring couple, a reversible rotatable electric motor for adjusting the reset couple, means responsive to the direction and duration of said departure for controlling the reversible rotatable electric motor to adjust correspondingly the reset couple, a movable device for controlling the control quantity and for correspondingly adjusting the control couple, and control means, including means interconnecting said contacts, for controlling said control device to give said control device a movement proportional to the adjustment of the measuring couple upon departure of the control quantity and thereafter give said control device a further movement proportional to the adjustment of the reset couple for maintaining the control quantity approximately at said normal value.

2,246,687
EYE EXERCISING MACHINE
Herman Katz, Oakland, Calif.
Application November 8, 1934, Serial No. 752,082
Renewed September 27, 1937
12 Claims. (Cl. 128—76.5)



12. Apparatus for the treatment of the eyes, comprising a supporting frame; a target rotatably mounted thereon; an actuating motor operatively connected to said target to rotate it; a supplementary target eccentrically mounted on said first target; and means connecting said supplementary target with said frame whereby said supplementary target is held from rotation on its axis as its axis revolves about the axis of said first target, wherein said connecting means comprises an epicyclic train of gears wherein the first and last gears have the same number of teeth, carried by said first target and revolving around the fixed gear concentric with the first target.

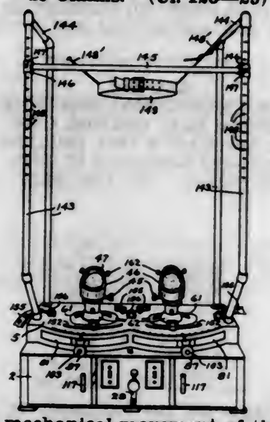
2,246,688
AUTOMATIC FREQUENCY CONTROL
Reymond J. Kircher, Neptune, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 11, 1940, Serial No. 339,871
10 Claims. (Cl. 250—20)



1. A superheterodyne radio receiver for receiving modulated incoming carrier waves comprising a plurality of local sources of beating oscillations for interacting with the incoming

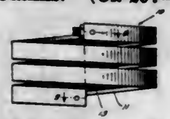
carrier wave whereby currents corresponding to its modulations may be derived and means responsive to the magnitude of the carrier component of the incoming wave for introducing auxiliary locally produced oscillations of substantially the incoming carrier frequency into the receiving system only during such periods as the amplitude of the carrier component falls below a predetermined minimum.

2,246,689
MECHANICAL MOVEMENT
Alwin Kost, Portland, Oreg.
Application May 9, 1938, Serial No. 206,852
19 Claims. (Cl. 128—25)



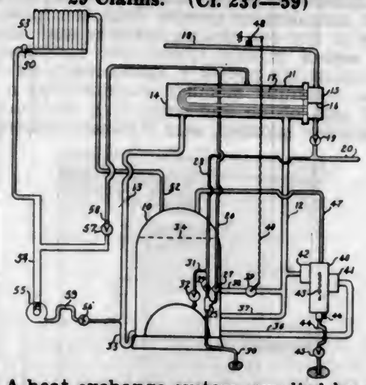
1. In a mechanical movement of the class described, a driven shaft; bearing means adjustably connected with an end portion of said driven shaft and having an axis normally inclined relative to the axis of said driven shaft and intersecting the axis of said driven shaft; a plate supported by said bearing means for universal tilting movement by rotation of said driven shaft; means for adjusting the inclination of the axis of said bearing means relative to the axis of said driven shaft to vary the amplitude of universal tilting movement of said plate; plate oscillating means adapted to oscillate said plate from side to side angularly about the axis of said plate simultaneously with the tilting movement thereof; and adjusting means connected with said plate oscillating means whereby the amplitude of oscillation of said plate may be varied.

2,246,690
THERMOSTATIC MATERIAL
Frederick C. Leonard, Cranston, R. I.
Application October 6, 1937, Serial No. 167,579
6 Claims. (Cl. 297—11)



1. In a thermostatic unit, a metallic base, a housing at each end thereof, a rod of an expansible non-metallic solid material having its ends seated in said housings, means for adjusting one end of said rod longitudinally with respect to its cooperating housing, and a flexible metallic cover for said rod resisting lateral expansion of said rod and permitting longitudinal expansion thereof.

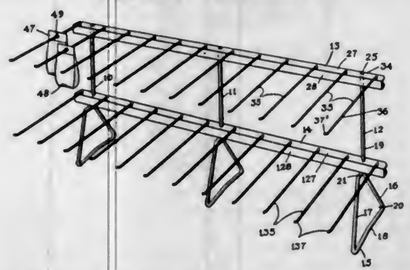
2,246,691
HEATING AND CLEANING FLUID SYSTEM
Harry M. Nobis, East Cleveland, Ohio, assignor to Mary Jane Nobis, Cleveland, Ohio
Application March 24, 1938, Serial No. 197,872
29 Claims. (Cl. 237—59)



11. A heat exchange system supplied by water from a water source comprising, a liquid container, a hot water heater having a first and a second circulatory portion, means for connecting said first circulatory portion to the water source to give hot water, supply and return conduits for connecting the said second circulatory portion of the hot water heater to the said liquid container below the liquid level thereof to effect a continuous liquid circuit, means for heating the liquid in the liquid container, means for producing the establishment of a liquid pressure in the uppermost part of the continuous liquid circuit at a value lower than the liquid pressure prevailing in the liquid container for maintaining the said second circulatory portion of the hot water heater and said conduits filled with liquid from said container, and means for holding the liquid in the uppermost part of the continuous liquid circuit at a liquid pressure under that which prevails in the liquid container, said supply conduit including a sediment collecting device for collecting particles from the liquid, said supply conduit communicating with the said second circulatory portion of the hot water heater at the place where the water from the water source enters the first circulatory portion, said supply conduit having connection means communicating with the said container at a plurality of elevational places, one of said communicating connection means being located near the bottom of the liquid container where the sediment particles are most apt to collect so as to enable the particles which may collect near the bottom of the container to be carried by the liquid to the sediment collecting device and there eliminated from the circulatory system of the continuous liquid circuit, another said communicating connection means being located at a higher level where the water temperature is higher so as to compensate for the cooler liquid which flows through the bottom communicating connection means, valve means for regulating the flow of the fluid through the upper communicating connection means, and means responsive to the temperature of the heat exchange device for governing the valve means.

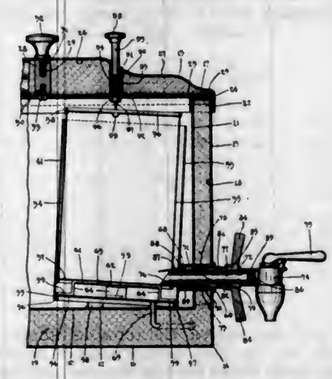
25. The method of removing sediment, sediment buoyed up by gas, and gas from a heating system comprising a boiler and a heat exchange unit located above said boiler, said method comprising establishing a liquid circuit between said boiler and said heat exchange unit, circulating said liquid in said circuit, reducing the velocity of the fluid in a certain portion of the circuit at a value substantially lower than the velocity in the remainder of the circuit to cause sediment to settle, providing a reduced liquid pressure in the uppermost portion of the circuit at a value substantially lower than the pressure in the remainder of the circuit to cause gas bubbles which cling to the sediment particles to separate from said particles thereby removing the buoyant effect of the said bubbles carrying the particles, eliminating said settled sediment from said circuit at said area of decreased velocity and eliminating said gas bubbles from said uppermost portion of the circuit.

2,246,692
BAG RACK
Walter F. Ohme, Minneapolis, Minn.
Application August 16, 1937, Serial No. 159,357
6 Claims. (Cl. 211—59)



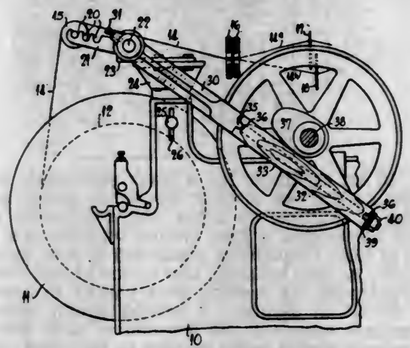
1. A bag rack comprising a plurality of standards each constructed from wire and bent to form a triangular base having a foot and legs extending upwardly therefrom in converging relation, an upright extending upwardly from one of said legs and bag supporting means carried by said uprights.

2,246,693
DISPENSER
Walter F. Ohme, Minneapolis, Minn.
Application February 28, 1940, Serial No. 321,254
12 Claims. (Cl. 221—67)



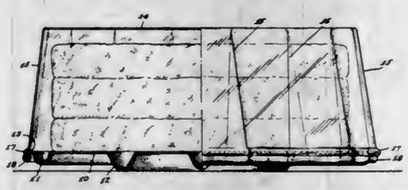
1. In combination, a container including a lateral wall, a holder for a can within said container, a can within said holder, a tubular guide carried by said container and extending through the lateral wall thereof near the bottom of the container, a tap tube slidably mounted in said tubular guide, a piercing point on the end of the tap tube adapted to engage the can near the lower portion thereof, means acting between said guide and tap tube for advancing the tap tube along the guide to force the piercing point through the can, and means forming a leak-proof connection between the can and tap tube.

2,246,694
WHIP ROLL CAM ARM
William Thomas O'Shields, Seneca, S. C., assignor to Bahan Textile Machinery Company, Greenville, S. C., a corporation of South Carolina
Application September 19, 1940, Serial No. 357,413
3 Claims. (Cl. 139—115)



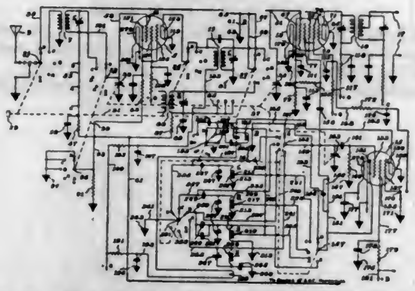
1. In a loom having a whip roll oscillatably mounted about a pivot and also having a crank shaft with cam means thereon, a whip roll arm having one end thereof connected to said pivot, a bolt extending from said arm and a polygonal sleeve mounted on said bolt.

2,246,695
CONTAINER
Charles E. Phillips, Indianapolis, Ind.
Application October 18, 1937, Serial No. 169,566
9 Claims. (Cl. 206—44)



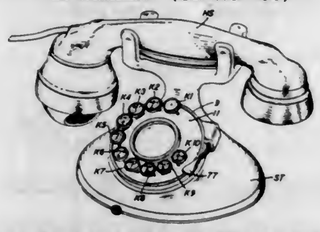
1. A container, comprising the combination of a supporting member and a cover therefor, said member being circular and having a plane rim portion and within said rim portion a depressed portion adapted to rest on a supporting surface, said cover being formed from a sheet of flexible material having its edge portion folded into a downwardly extending frusto-conical side wall with the excess material created by such folding gathered into pleats, the material of said cover at the free edge of said wall being preformed into a peripheral bead having an internal diameter less than the diameter of said supporting member, and the side wall of said cover immediately above said bead being formed to provide an inwardly opening annular groove within which the edge of said supporting member is received, the depressed portion of said supporting member extending downwardly below said bead.

2,246,696
OSCILLATOR SYSTEM
John D. Reid, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Original application August 31, 1935, Serial No. 38,762, now Patent No. 2,149,231, dated February 28, 1939. Divided and this application January 31, 1939, Serial No. 253,829
21 Claims. (Cl. 250—36)



19. In an oscillator for a superheterodyne receiving system, an electric discharge device including a cathode, an input and a plurality of output electrodes, a first circuit tunable over a band of high frequencies connected to said input electrode, to said cathode, and to one of said output electrodes for feeding back energy to cause said circuit to oscillate, a second circuit tuned to resonate adjacent the low end of said band, said second circuit being coupled to said first circuit to regulate the rate of change in frequency of said tunable circuit by slowing up the rate toward the low frequency end.

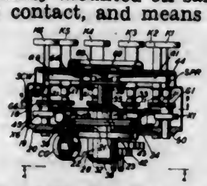
2,246,697
TELEPHONE CALL TRANSMITTER
Charles D. Richard, West Brighton, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 29, 1939, Serial No. 264,699
12 Claims. (Cl. 179—90)



1. In a call transmitter, a set of manually operable key members disposed in a row, a motor and a pulsing mechanism operated by said motor from normal for sending a number of pulses corresponding to the position of the operated key member relative to the other key members in said row.

2,246,698
CALL TRANSMITTER DEVICE
John G. Roberts, Dobbs Ferry, and Charles D. Richard, West New Brighton, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 15, 1938, Serial No. 245,836
10 Claims. (Cl. 179—90)

8. In a call transmitter, a set of key members, code cams rotatably mounted on said key members, a pulsing contact, and means for rotating



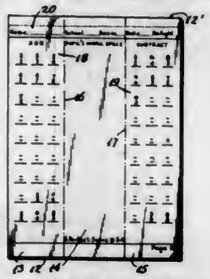
one of said cams following the operation of its associated key member for actuating said contact.

2,246,699
BATON
Victor Hugo Rosen, Baltimore, Md.
Application March 26, 1941, Serial No. 385,223
7 Claims. (Cl. 84—477)



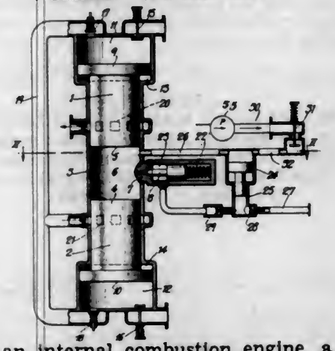
1. A twirling baton comprising a staff member, a ball member affixed to one end of the staff, and a finger engaging member projecting from said staff, said finger engaging member being located between the center of gravity of said baton and the end of the baton opposite said ball member.

2,246,700
SELF-CORRECTIVE DETACHABLE SHEET FOR SCHOOL TEXTBOOKS
Samuel Smith, Brooklyn, N. Y.
Application June 8, 1940, Serial No. 339,541
8 Claims. (Cl. 35—48)



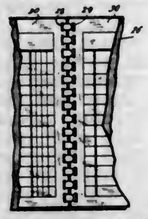
1. A self-corrective detachable sheet school text book or the like, comprising a bound book of sheets, each sheet having several appropriately designated areas, problems, printed on the front faces of said areas, and answers to said problems printed on the back faces of said areas and arranged so that said sheet may be folded several ways with the front face of one area having problems being adjacent the back face of another area having answers to said problems, and each sheet having a score line or perforations extended along the binding, said areas comprising three areas separated by two straight lines.

2,246,701
INTERNAL COMBUSTION ENGINE
Hans Steiner, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application February 4, 1939, Serial No. 254,552
In Switzerland February 8, 1938
7 Claims. (Cl. 123—139)



1. In an internal combustion engine, a combustion cylinder, pressure responsive fuel pump means connected with the interior of and operated by the pressure prevailing in said combustion cylinder, and scavenging means connected with said fuel pump means for scavenging the interior of said pressure responsive means.

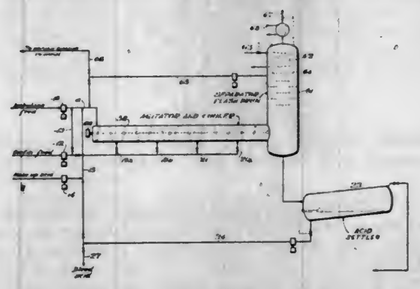
2,246,702
BINDER
Seymour J. Stewart, Indianapolis, Ind.
Application August 26, 1938, Serial No. 226,869
13 Claims. (Cl. 129—17)



10. A binder, comprising a pair of comb-shaped members, hinge-means interconnecting the backs of said comb-shaped members, the teeth thereof being bent into interlapping relationship and in a curve about an axis disposed between said lapped stretches and said hinge axis, said teeth being sufficiently resilient to cause in the several individual interlapping pairs of teeth a resistance to separation the combined result of which effectively holds the binder closed.

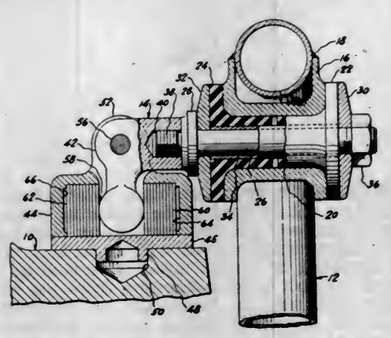
2,246,703
ALKYLATION
Ernest W. Thiele and Robert C. Gunness, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 29, 1938, Serial No. 248,188
6 Claims. (Cl. 196—10)

5. A continuous process for the alkylation of an isohydrocarbon of the class consisting of isobutane, isopentane and isohexane by means of normally gaseous olefins in the presence of concentrated sulfuric acid, which comprises concurrently flowing a mixture of sulfuric acid, liquefied isohydrocarbon and liquefied olefin gases through a long closed reaction zone, mechanically maintaining an intimate mixture and fine dispersion



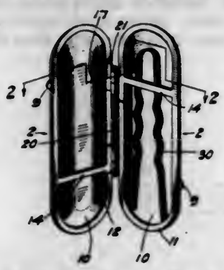
of the hydrocarbons in the acid throughout the length of said zone, withdrawing the heat of alkylation from said zone substantially as fast as it is generated, whereby long and intimate contact is obtained at a substantially constant temperature within the range of about 40° to 100° F. and introducing further amounts of liquefied normally gaseous olefin hydrocarbons at spaced points along said reaction zone.

2,246,704
RESILIENT MOUNTING
John M. Tyler, West Hartford, and Robert E. McIntosh, Manchester, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application March 10, 1939, Serial No. 261,112
8 Claims. (Cl. 248—5)



1. A mounting bracket for securing an engine to an engine support comprising, a support attached element, an engine attached element, a link connecting said elements, a resilient high frequency insulating connection between said link and said support carried element, a pivotal connection between said link and said engine attached element, and means comprising at least one pair of opposed spring packs carried by said engine attached element, and a projection on said link extending between said spring packs for frictionally damping movements of said link about said pivotal connection and preventing transmission of low frequency vibrations.

2,246,705
HAIRPIN CONTAINER
Kathleen M. Tyree, Los Angeles, Calif.
Application January 17, 1940, Serial No. 314,235
2 Claims. (Cl. 206—37)



1. A container including twin sheet metal elongated wings of a concave character, hinge means whereby said wings are fastened together with their concave sides directed toward each other to form a housing space, a spring tending to close said wings, and a sheet metal annulus secured to each of said wings by having its outer portion downbent over the edge of the wing to which it is applied, each of said wings having an ear which projects through the applied annulus, said ears being spaced apart longitudinally of the device and being positioned to afford thumb and finger holds to facilitate the opening of said wings against the opposition of said spring.

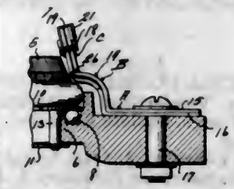
2,246,706
AIRPLANE PROPELLER
Leroy Vorhies, Granite, Colo.
Application July 3, 1939, Serial No. 282,714
3 Claims. (Cl. 170—172)



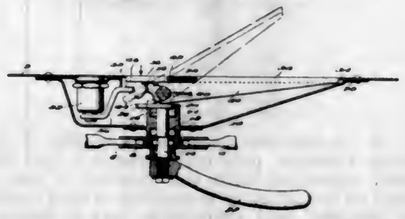
1. An airplane propeller blade adapted to be mounted on a hub, said blade including a longitudinally disposed air duct therein; an outlet and inlets communicating with said duct; the outlet being provided by cutting away a portion of the pressure face on a line extending from the leading edge near the tip diagonally to the trailing edge of the blade; deflecting baffles mounted in said duct at said outlet; the inlets being located adjacent to the leading edge on the pressure face of the blade at the opposite end from the tip.

2,246,707
TRANSFER RING SUPPORT AND TRIMMING KNIFE
Richard P. Weston, Elizabeth City, N. C.
Application December 17, 1940, Serial No. 370,540
6 Claims. (Cl. 66—148)

1. In a cup for a transfer ring, the combination of a freely rotatable carriage supported within said cup upon which the transfer ring is mounted and a trimming knife attached to the cup and disposed above the cup to occupy a position closely adjacent to the transfer ring when the latter is in position in the cup upon said carriage whereby an article attached to the transfer ring may be effectively trimmed as the ring is rotated with the carriage.



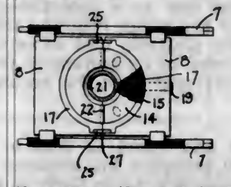
2,246,708
FLUSH DOOR HANDLE AND LOCK
Herman C. Wieben, Parkville, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application September 11, 1940, Serial No. 356,291
6 Claims. (Cl. 70—208)



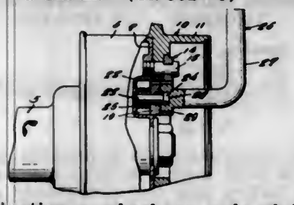
6. A locking mechanism for a closure having an opening therein, said opening having a circular portion and an elongated portion extending radially therefrom, comprising a latch operating shaft mounted in said closure to turn about an axis perpendicular to the closure wall and extending through the center of the circular portion of said opening, said shaft having a ball on the outer end thereof provided with an annular groove extending therearound concentrically disposed about the shaft axis and a projecting lug, a lever having a circular portion and a radially extending portion fitting within the said opening, the circular portion of said lever having downwardly extending flanges and pins in said flanges extending into said groove to pivot said lever on said shaft, said lever having downwardly extending lugs normally spaced above the lug on said shaft, and positioned, when said lever is tilted so that the extending portion thereof moves out of the opening, to engage on opposite sides of the lug on the shaft, a lock mounted adjacent said lever, a bar controlled by said lock and mounted for movement from a position beneath a portion of the circular part of said lever to a position out of the path thereof, whereby said lug may prevent tilting of said lever for engagement with said shaft, and means normally urging said lever into a position flush with the edges of said opening.

2,246,709
BLOWOUT PREVENTER
Herbert Allen, Houston, Tex., assignor to Cameron Iron Works, Houston, Tex.
Application August 21, 1939, Serial No. 291,181
2 Claims. (Cl. 251—159)

1. In a blowout preventer having a housing and movable rams therein the combination of a resilient packing carried by the ram, a cage to reenforce said packing, and means to confine the packing at the sides thereof including a rigid vertical member at each edge of the cage.

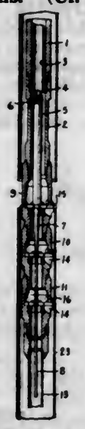


2,246,710
WHEEL MOUNTING
Joseph Babin, Paulina, La., assignor of one-third to Sigur Martin, Lutcher, La.
Application April 3, 1940, Serial No. 327,710
1 Claim. (Cl. 301—9)



In combination a wheel, an axle plate, cam formations on the wheel, projections on the axle plate adapted to bind against the cam formations, said axle plate being provided with a pocket having a guide groove in a side wall thereof, a toothed slide member mounted in the pocket and having a rib adapted to ride in the guide slot to prevent rotation thereof, spring means exerting force on the toothed slide member, said cam formations being in the form of an annulus, teeth on the inner edge portion of the annulus adapted to be meshed by the teeth of the slide member when the latter is under the influence of the spring means, said toothed slide member being yieldable to a tool capable of rotating the cam annulus.

2,246,711
CUTTING TOOL
George J. Barrett and Sosthene Robichaux, Houston, Tex.
Application November 16, 1939, Serial No. 304,668
21 Claims. (Cl. 164—0.8)

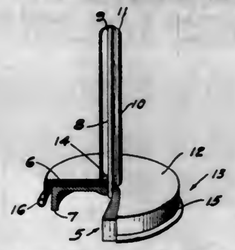


12. A cutting tool adapted to cut by rotation and shaped to enter a pipe in a well and comprising a head assembly, a plurality of cutting means thereon movable inwardly into inactive position and outwardly into active position and means arranged to be operated by fluid under pressure and including means to successively engage with the cutting means to actuate the cutting means outwardly into active, or cutting, position, relative to the upper end of the well pipe to operate on said end in succession as the tool is fed downwardly, said cutters, when in active position, being mounted to be released from the actuating means and retractable to inactive position by the lower end of the section of the well pipe above upon upward movement of the tool.

2,246,712
LUBRICANT
Edwin J. Barth, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 29, 1938, Serial No. 205,003
6 Claims. (Cl. 252—46)

1. An improved lubricating oil which comprises a petroleum lubricating oil containing an effective amount of di(lauryl phenol) disulphide.

2,246,713
KNITTING REEL
Albert L. Benson, Los Angeles, Calif.
Application July 15, 1940, Serial No. 345,521
1 Claim. (Cl. 242—130)

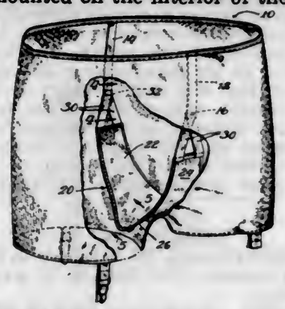


In a reel, a circular spindle base having a substantially flat top surface provided with a depending flange, a spindle having a tapered upper end upstanding from the central portion of said base, a tubular bobbin shaft loosely surrounding said spindle, said bobbin shaft having a closed upper end with a conical under surface which rests rotatably upon the tapered top of said spindle, and a horizontally disposed circular base plate supported by said bobbin shaft in an upwardly spaced relation to said spindle base, said base plate having a depending skirt portion completely enveloping said spindle base in an outwardly spaced relation thereto, said base plate extending inwardly of the mouth of said tubular shaft to form a cross wall which is provided with a central bearing and guide aperture therethrough said spindle extends with a working fit, said aperture being located concentric of said tubular shaft.

2,246,714
LADY'S UNDERGARMENT
David Blair, Chicago, Ill.
Application June 3, 1940, Serial No. 338,487
1 Claim. (Cl. 2—224)

In an undergarment having a trunk portion and a crotch portion, a separately formed crotch member arranged when in position to conform substantially to the contour of said crotch portion, said crotch member extending from the front to the rear of said undergarment and having elastic supporting straps at the rear end thereof, said crotch member having an enlarged area intermediate its end portions, means de-

tachably securing said intermediate portion to the undergarment, and cooperating supporting means mounted on the interior of the undergar-



ment for detachably securing the end portions of the crotch member for supporting said crotch member in proper position interiorly of the undergarment.

2,246,715
FURNACE GRATE
Charles B. Bodine, Jersey City, N. J., assignor, by direct and mesne assignments, of one-half to Percy E. Landolt, and one-half to Samuel H. Weckstein, both of New York, N. Y.
Application December 6, 1937, Serial No. 178,393
1 Claim. (Cl. 126—152)



In a furnace grate, a cross bar, means providing a fuel bed supporting surface mounted on said cross bar comprising a plurality of individually removable fuel supporting units positioned on said bar adjacent each other, each of said units comprising a pair of upstanding end plates disposed in parallel spaced relation, a plurality of thin upstanding blade members supported by and between said end plates in parallel spaced relation and with their upper edges in the plane of the upper edges of said end plates, said blade members being spaced from each other and from said end plates a distance at least as great as the thickness of said blade members, said end plates having depending web portions extending an appreciable distance below the plane of the lower edges of said blade members, said depending web portions of said plates having downwardly opening slots formed therein to receive said cross bar, said slots terminating at their upper ends below the plane of the lower edges of said blade members to provide a free space for passage of air between the upper surface of said cross bar and the lower edges of said blade members.

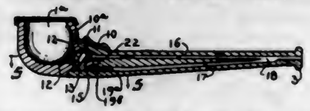
2,246,716
ART OF LANDING AIRPLANES
David H. Bottrill, Montreal, Quebec, Canada, assignor to Canadian Car & Foundry Company Limited, Montreal, Quebec, Canada, a corporation of Quebec, Canada
Application May 5, 1939, Serial No. 271,989
7 Claims. (Cl. 244—110)

1. The method of landing an airplane, which comprises moving a landing platform rapidly along a straight line at a substantial angle to the direction of the wind, bringing the airplane directly over the platform and so regulating the direction and speed of its movement through the air that its movement over the ground has the



same direction and speed as that of the platform, and then bringing the airplane into contact with the platform while there is no relative horizontal movement between the airplane and the platform and the longitudinal axis of the airplane is at a substantial angle to the line of movement of the platform.

2,246,717
SANITARY SMOKING PIPE AND STRUCTURE
Alfred E. Brandon, New York, N. Y.
Application March 14, 1939, Serial No. 261,692
16 Claims. (Cl. 131—195)



1. The combination in a smoking pipe structure of a body having a bowl member, a stem member having one end detachably secured to the side wall of said bowl member, and means for arcuately mounting said bowl member upon said stem member, said means including a lateral projection on said bowl member, recesses on said end of said stem member adapted for engaging said projection, and grooves adjacent said projection cooperating with grooves on said end uniting to form interior air ducts circulating outer air between abutting portions of said bowl and stem members, the interiors of said bowl and stem members being connected by a smoke channel disposed between said air ducts.

14. A pipe comprising a bowl member and a stem member detachably connected thereto, one of said members having arcuate projections and recesses adapted to slidably engage complementary recesses and projections formed on the other member, said projections and recesses being arranged to form a pair of concentrically curved locking means, symmetrically disposed on opposite sides of and parallel to the plane which includes the axes of the bowl and stem members.

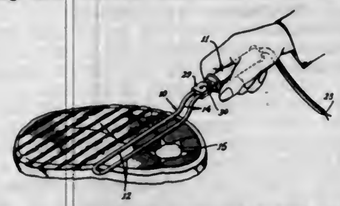
2,246,718
PULL RING
Le Roy Burdett, Chicago, Ill., assignor to Standard Shade Pull Manufacturers, Inc., Chicago, Ill., a corporation of Illinois
Application May 15, 1940, Serial No. 335,375
5 Claims. (Cl. 156—40)



1. A pull ring comprising a core of a continuous length of circular wire bent to form a plurality of concentric rings, and a sheathing encasing the concentric rings.

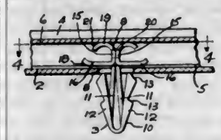
2,246,719
IRON
William H. Burnham, Jr., Pebble Beach, Calif.
Application May 27, 1940, Serial No. 337,465
2 Claims. (Cl. 219—29)

1. An electric iron comprising: a handle; an elongated U-shaped searing element formed of a composite rod circular in cross section, said searing element having a major portion disposed in one plane, having terminals disposed in a plane parallel to the plane of said major portion and mounted in said handle, and having converging and curved intermediate portions con-



necting the respective terminals with the major portion; a resistor in the major portion of said searing element; electrical conductor means extending through said handle and said searing element and connected to said resistor including a switch; and means for connecting said electrical conductor means to a source of electricity.

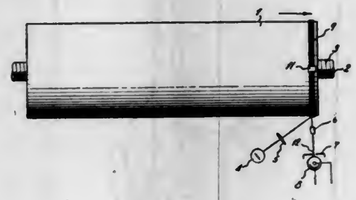
2,246,720
FASTENER MEMBER AND FASTENER INSTALLATION
Wilmer H. Churchill, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application June 21, 1939, Serial No. 280,289
5 Claims. (Cl. 189—88)



1. A fastener installation comprising, in combination, an elongated hollow part having an inner side and an outer side spaced from said inner side, said inner side having an elongated opening therein, said hollow part being open at at least one end thereof, and a fastener member secured to said part through relative longitudinal movement through said open end, said fastener having a base seated within said hollow part and yieldable legs extending through said elongated opening and having means for attaching the part to a support, said base comprising a pair of substantially vertical arms having their inner broad surfaces in close relation, said arms having laterally extending substantially horizontal attaching portions disposed in spaced planes for engaging said inner and outer sides of said hollow part, said arms being disposed within said hollow part in transverse relation to the major axis of said elongated opening and certain of said attaching portions being yieldable and in spring engagement with a side of said hollow part to limit movement of said fastener longitudinally of said part.

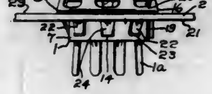
2,246,721
PHASING ARRANGEMENT FOR TELEFACSIMILE MACHINES
Austin G. Cooley, New York, N. Y., assignor to Wide World Photos, Inc., New York, N. Y., a corporation of New York
Application December 1, 1939, Serial No. 307,029
7 Claims. (Cl. 178—69.5)

1. In combination, a rotatable scanning drum having the greater part of its peripheral surface of uniform diameter, said drum being provided with a peripheral blackened raised ridge having a substantially white localized portion intermediate the ends, a light source for illuminating said ridge with a scanning light spot, a lens system focussed substantially at the surface of said uni-



form diameter portion of the drum whereby the surface of said ridge is out of focus with said lens system, means to rotate said drum to bring said localized portion between the lens system and the light source, and a light-sensitive cell responding to the light passing through said lens system as reflected from said localized white portion.

2,246,722
FASTENER MEMBER AND FASTENER SECURED INSTALLATION
Scipione M. Del Camp, Maywood, Ill., assignor to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application June 15, 1939, Serial No. 279,317
9 Claims. (Cl. 173—339)

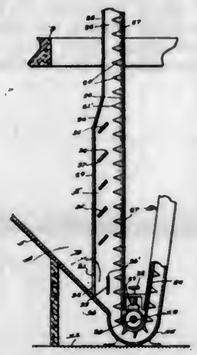


1. A fastener secured installation comprising a socket member and a fastener member for securing said socket to a support, said fastener member having fastener means engaging said socket for maintaining said parts in initial assembled position prior to securing said socket to a support, and said fastener member having yieldable attaching portions adapted to extend through an opening of said support to engage said support and means securing said socket in final fixed assembly with said support on moving said socket from said initial assembled position relative to said fastener member to final position.

2,246,723
COMBINED ELEVATOR AND PNEUMATIC GRAIN CLEANER
Louis Delivuk, Spokane, Wash.
Application April 10, 1939, Serial No. 267,038
10 Claims. (Cl. 209—147)

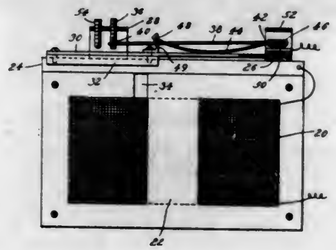
8. In a pre-cleaning apparatus for grain elevators, a tubular elevator leg substantially vertically disposed, and a belt having buckets ascending in said leg, and a lower portion of said

leg being cross sectionally enlarged with respect to the remainder of said leg and for a sufficient



distance to form an elongated pre-cleaning chamber.

2,246,724
ELECTRIC SWITCH
Malcolm W. Eaton, Freeport, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Original application December 4, 1935, Serial No. 52,771, now Patent No. 2,170,748, dated August 22, 1939. Divided and this application August 21, 1939, Serial No. 291,160
3 Claims. (Cl. 200—67)



1. In combination in a toggle snap switch, an actuator having a natural period of vibration and having also a normal rest position, a snap follower, an electric contact carried by said follower, a stationary contact adapted to cooperate with the contact carried by the follower, and spring means for operating the snap follower in response to an operation of said actuator, said follower and said spring means including a bumper portion which said actuator is adapted to engage to separate said contacts without snapping said switch, said elements being so constructed and arranged that said contacts normally engage each other, and that said actuator normally lies alongside said bumper portion without thereby holding said contacts out of engagement, said actuator being adapted to be moved out of its normal position and away from said bumper to snap said toggle switch to disengage said contacts, said actuator being further constructed and arranged so that when released, it first returns towards its normal position to snap said toggle switch to bring said contacts into engagement and then vibrates about its normal position, and in so vibrating beats against said bumper to separate said contacts without again snapping said toggle switch.

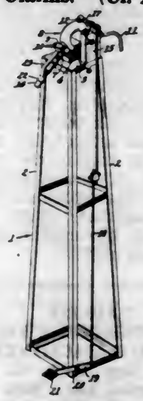
2,246,725
TREATMENT OF OIL WELLS
Allen D. Garrison, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application June 10, 1938, Serial No. 212,976
20 Claims. (Cl. 166—21)

1. The method of treating an oil well to convert a water-wet producing sand to one which is preferentially wettable by oil, which comprises drying a substantial volume of the said producing sand surrounding the bore hole of the well to remove water from the pore space thereof, and then coating the sand grains of said producing sand without blocking that sand with a film coating of a water and crude oil-insoluble bitumen which is preferentially wettable by oil, to thereby increase the proportion of oil relative to water produced from said sand.

2,246,726
TREATMENT OF OIL WELLS
Allen D. Garrison, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application October 28, 1939, Serial No. 301,754
15 Claims. (Cl. 166—21)

1. The method of treating a water-wet producing sand of an oil well to improve the production of oil relative to the production of water from the well, which comprises flushing the well and the said water-wet producing sand with an aqueous alkaline solution substantially free from added dispersed solids and containing a clay-dispersing agent which disperses fine clay particles from the pore space of the sand grains to thereby flush out the pores of the formation, and then distributing in the treated sand a chemical material which acts as a preferential oil-wetting agent to render the sand more permeable to oil and less permeable to water.

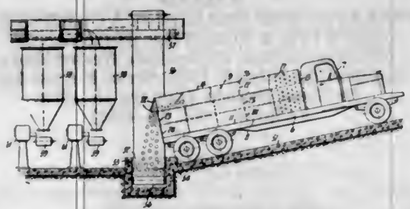
2,246,727
INSEAM JOINT FORMING MACHINE
Hiram Gordon, Columbus, Ohio, assignor to The Walker T. Dickerson Company, Columbus, Ohio, a corporation of Ohio
Application May 5, 1939, Serial No. 272,004
10 Claims. (Cl. 12—51)



1. An inseam joint and forming machine comprising a framework having a platform and a plurality of legs supporting said platform in an elevated position, a supporting block secured to said

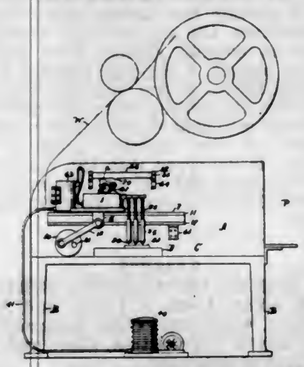
platform, a fluid pressure operated reciprocative actuating device mounted on said support, said device having an operating extremity guided for movement in a plane at an angle with respect to the horizontal, a chisel-pointed instrument connected with said actuating device, a valve for controlling the flow of fluid under pressure to said actuating device, a lever mounted for pivotal movement at the lower end of said supporting legs, and means for transferring movement from said lever to said valve to effect its actuation.

2,246,728
MATERIAL-HANDLING DEVICE
Melvin Colin Gordon, Lincoln, Calif.
Application January 2, 1940, Serial No. 311,966
4 Claims. (Cl. 296—24)



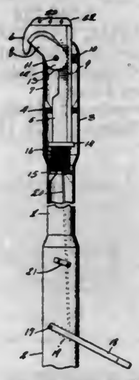
1. A material-handling device comprising a body adapted to be inclined, said body including a bottom, means forming a plurality of floors above and parallel to said bottom, a plurality of partitions extending transversely of the direction of inclination and disposed between said floors for separating said body into a plurality of compartments, and means effective when said body is inclined for placing some of said compartments in communication.

2,246,729
INKER FOR PLATE PRINTING PRESSES
Charles J. Gutberlet, Philadelphia, Pa.
Application November 22, 1940, Serial No. 366,567
15 Claims. (Cl. 101—163)



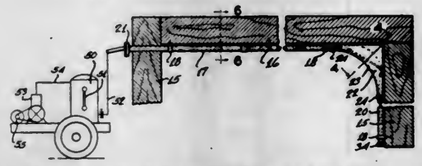
1. An inker for plate presses that have a moving plate from which impressions are made, comprising in combination movable ink spraying nozzles in position to spray ink upon pre-determined areas of said plate, a moving carriage for said nozzles and equalizing mechanism operating during the inking of said plate, equalizing the movement of said carriage with the movement of said plate, during said inking period, and means for forcing intermittently the ink through the spraying nozzles.

2,246,730
PRUNING IMPLEMENT
Frank E. Hafdell, Lincoln, Nebr.
Application May 2, 1939, Serial No. 271,368
7 Claims. (Cl. 30—251)



1. A pruning implement of the character described, comprising an elongated tubular shaft having one end formed to provide a head and having said head provided with an end and a side wall opening, a hook having a relatively long straight shank extending into the open end of the head, guide means within the head for maintaining the shank in longitudinal alinement with the shaft as the shank is shifted longitudinally therein, a lever pivotally supported upon the shaft adjacent the end remote from the hook, coupling means between the lever and the shank for effecting reciprocatory movement of the shank and hook, a knife normally housed within the head and adjacent to the side wall opening, supporting means for the knife facilitating the movement of the latter outwardly through said side wall opening and in the direction of the adjacent end of the head, and coupling means between the knife and said shank for effecting the stated movement of the knife upon movement of the shank into the head, the hook being arranged with respect to the knife whereby the knife and hook will come into cutting relation when the shank is drawn into the head.

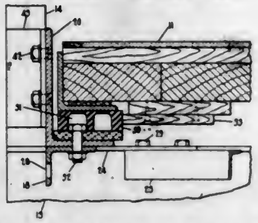
2,246,731
PREVENTION OF INSECT DAMAGE
Walter B. Hill, Memphis, Tenn.
Application July 8, 1939, Serial No. 283,468
6 Claims. (Cl. 43—124)



1. Means for applying a toxic liquid under pressure for insect extermination and prevention, to a supporting element of a building or the like, said means including a pipe fixedly secured in a zone extending along the building element to be treated, and permanently so positioned, the pipe being characterized by lengthwise aligned apertures, in the form of attenuated slots, with the apertured areas directed toward the building element to be treated, and means substantially coextensive with said pipe, for supplying liquid thereto under pressure at

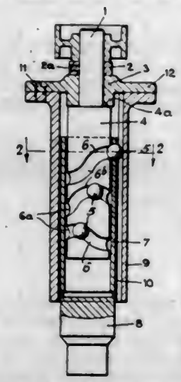
closely spaced points along the pipe, such that the liquid delivery from the pipe is substantially uniform throughout its useful length.

2,246,732
ELEVATOR CAB ISOLATION
Frederick Hymans, Larchmont, N. Y., assignor to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application November 7, 1939, Serial No. 303,194
6 Claims. (Cl. 187—1)



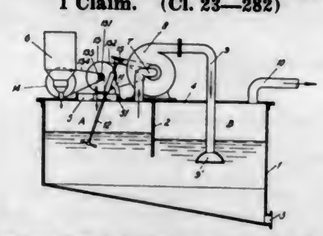
1. In an elevator system in which an elevator cab is arranged within a framework suspended by a plurality of hoisting ropes, supporting members secured to said framework, and a plurality of rubber pads arranged between said cab and said supporting members for supporting said cab out of contact with said supporting members and framework, the relationship between the thickness, bulge area, total effective supporting area and composition of the pads being such as to provide a natural frequency of vibration of said cab on said pads which is small as compared with the frequency of vibrations transmitted to said framework from said hoisting ropes.

2,246,733
TRANSMISSION GEAR FOR CHANGING ROTATING MOVEMENTS INTO RECIPROCATING MOVEMENTS
Gustav Kiefer, Rio de Janeiro, Brazil, assignor to Sociedade Industrial de Maquinas Fekima Limitada, Rio de Janeiro, Brazil
Application March 20, 1939, Serial No. 262,987
In Germany October 3, 1938
1 Claim. (Cl. 74—57)



In apparatus for effecting translation from rotary to reciprocatory motion, an outer cylindrical member having an outwardly extending flange at its upper end, said member having a plurality of rectilinear ball receiving grooves on its inner surface, a head extending over the upper end of said member and secured to the flange thereof, said head having a centrally disposed bore, a rotatable member having a cylindrical body concentric with and of less diameter than the internal diameter of the outer member whereby to leave an annular space between the outer member and said body, said body having a plurality of endless spiral ball grooves extending therearound, a stem on the end of said body fitting said bore and projecting therethrough to receive rotary driving means, a driven member having a hollow cylindrical end located between the first member and said body and provided with ball receiving openings, and balls each mounted in one of said openings and each engaging one of said longitudinal grooves and a respective spiral groove.

2,246,734
APPARATUS FOR CHARGING A CURRENT OF AIR WITH A VOLATILE SUBSTANCE
Adrianus Kleijn, Rotterdam, Netherlands
Application July 18, 1939, Serial No. 285,085
In Great Britain January 26, 1939
1 Claim. (Cl. 23—282)

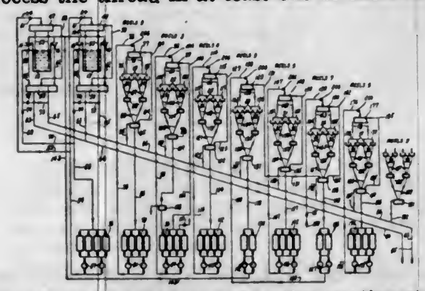


Apparatus for charging a current of gas with a volatile substance which comprises a tank for containing a reaction mixture, said tank having a partition extending below the surface of the mixture to divide the upper portion into a charging chamber and a gas chamber but terminating above the bottom of the tank to permit free communication within the mixture between opposite sides of said partition, the charging chamber having a charging device for charging material into the reaction mixture and having an opening to provide free access and to admit air during operation, the gas chamber being closed, a gas delivery conduit leading from said closed chamber, a blower, a conduit leading from the charging chamber to the suction side of said blower, a conduit leading from the delivery side of said blower into said closed gas chamber below the surface of the reaction mixture therein whereby gas is delivered into the reaction mixture to be charged with the volatile material and is delivered when so charged through said delivery conduit.

2,246,735
METHOD OF PROCESSING THREAD
Hayden B. Kline, Louis S. Fryer, and Alden H. Burkholder, Cleveland, Ohio, assignors to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application October 24, 1938, Serial No. 236,723
7 Claims. (Cl. 18—54)

1. The method of continuously processing freshly spun viscose thread comprising continuously passing the thread endwise in the form of a traveling helix made up of a large number of closely spaced generally helical turns through each of a plurality of spaced treating stages; continuously applying processing liquid to the thread in each of said treating stages, said processing liquid being collected after it has been applied

to the thread in such stage; and continuously employing the processing liquid that has been collected in a later one of said treating stages to process the thread in at least one of the earlier



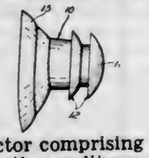
of said treating stages, said earlier treating stage separated from said later treating stage by at least one intermediate treating stage in which a different processing liquid is applied to the thread.

2,246,736
EAR STOPPER
Vern O. Knudsen, Los Angeles, Calif.
Application August 13, 1938, Serial No. 224,759
12 Claims. (Cl. 128—152)



5. An ear stopper comprising an elongate hollow yieldable body adapted to be inserted in the auditory canal, a yieldable solid matter mass closing the inner end of the body and a substantially unyielding solid matter mass closing the outer end of the body and maintaining the shape of the outer portion of the body, the last named mass being spaced from the yieldable mass to leave a closed chamber in the body.

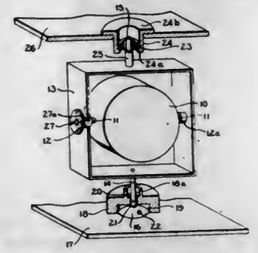
2,246,737
EAR STOPPER
Vern O. Knudsen, Los Angeles, Calif.
Application August 7, 1939, Serial No. 288,812
15 Claims. (Cl. 128—152)



2. An ear protector comprising a yielding body to be inserted in the auditory passage, and a mass of fluid material of substantial specific gravity in the body forming an inertance.

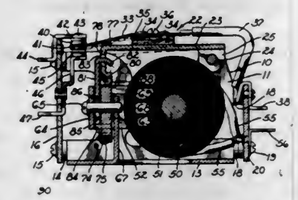
2,246,738
MEANS FOR MOUNTING GYROS
Friedrich Lauck, Lubeck-Travemunde, Germany, assignor to Siemens Apparate und Maschinen Gesellschaft mit beschränkter Haftung, Berlin, Germany, a corporation of Germany
Application April 19, 1939, Serial No. 268,842
In Germany April 14, 1938
4 Claims. (Cl. 308—159)

3. In combination, a gyro gimbal ring trunnion, a cap member having an upper sleeve portion formed integrally therewith and a chamber defined by its base portion, said cap member being further provided with an annular passage joining the interior of the sleeve portion and the chamber defined by the base portion of said cap member, a yielding footstep bearing defining a closed hollow chamber having fluid therein mounted in the chamber defined by the base portion of said cap member, a ball bearing resting



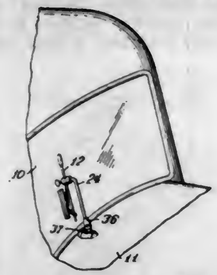
on said footstep bearing, said trunnion passing through said sleeve portion and annular passage to normally contact said ball bearing whereby axial movements of said trunnion are absorbed by said yielding footstep bearing, bearing means mounted in said sleeve portion for engaging said trunnion and maintaining the latter in a vertical position, and means formed with said footstep bearing for restricting fluid flow from the closed hollow chamber of said footstep bearing during axial displacement of said trunnion.

2,246,739
RELAY
Val A. Leach, Los Angeles, Calif.
Application October 20, 1939, Serial No. 300,387
11 Claims. (Cl. 200—87)



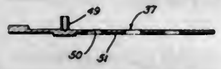
1. In a relay, the combination, of: a main-circuit contactor switch movable from a first switch position to a second switch position and vice versa; an auxiliary-circuit electromagnet; a pivoted armature operatively connected to said contactor switch and movable from a first armature position to a second armature position to move said contactor switch from said first switch position to said second switch position in response to energization of said electromagnet, said armature being biased to return to said first armature position when said electromagnet is de-energized, said armature being in substantial static balance about its pivot axis to prevent operative turning moments about said axis from inertia of the armature when the relay is moved bodily by external forces while said electromagnet is de-energized; and locking means effective to hold said contactor switch in said first switch position against external forces when said electromagnet is de-energized and to release said contactor switch automatically when said electromagnet is energized.

2,246,740
WINDSCREEN WIPER
William Reed Lethbridge, Darlinghurst, near Sydney, New South Wales, Australia
Application August 10, 1939, Serial No. 289,405
In Australia October 1, 1938
9 Claims. (Cl. 15—250)



4. A windscreen wiper adapted to be supported in front of a windscreen consisting of a head attached to a rotatable shaft, a counterweight attached to one side of the head, a rod on the other side of the head, a wiper blade supported by the rod, means to cause the wiper blade to be centrifugally urged away from the rod and towards the windscreen with a governed action when the wiper is operating and means to restrict such movement of the wiper blade relative to its supporting rod.

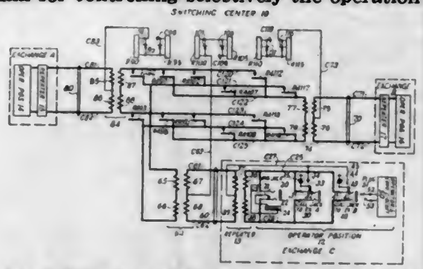
2,246,741
LUMINOUS INDICATOR
Hans Loen, Bloomfield, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 23, 1938, Serial No. 247,540
3 Claims. (Cl. 116—129)



1. In an indicating instrument having an operating mechanism, the combination of a dial provided with graduations, and a luminous pointer connected to said mechanism for actuation thereby over said dial adjacent said graduations, said pointer comprising an elongated member having a narrow elongated perforation extending through said member, and luminous material applied to said member and to the sides and ends of said perforation, said perforation providing an optical outline contrasting sharply with the luminous material on said pointer attributing to the pointer an appearance of a sharply defined luminous line adapted to cooperate with said graduations to provide a precise observation of the value indicated by said pointer.

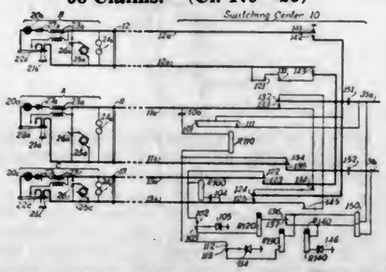
2,246,742
TELEPHONE SYSTEM
Clarence E. Lomax, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application December 24, 1938, Serial No. 247,603
33 Claims. (Cl. 179—41)

1. In a telephone system, an exchange, a switching center, a trunk extending between said exchange and said switching center, first and second lines at said switching center, switching apparatus at said switching center and operative selectively to associate said trunk with said first and second lines for communication thereover, apparatus at said switching center and responsive to first and second continuous voltages of different characteristics impressed upon said trunk for controlling selectively the operation of



said switching apparatus, and apparatus in said exchange operative to cause said first and second continuous voltages to be impressed selectively upon said trunk.

2,246,743
TELEPHONE SYSTEM
Clarence E. Lomax and Otho D. Grandstaff, Oak Park, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 16, 1940, Serial No. 335,560
68 Claims. (Cl. 179—26)



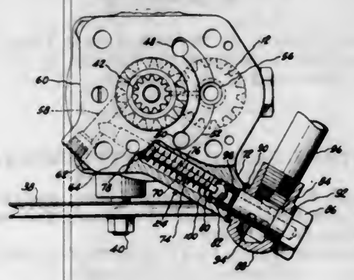
1. In a telephone system, a plurality of subscribers' lines, a first exchange terminating said lines, a second exchange, a trunk interconnecting said exchanges, means in said second exchange for selectively impressing voltages of different polarities upon one side of said trunk and for impressing voltage upon the other side of said trunk, and line switching means in said first exchange energized by said voltages and selectively controlled in accordance with the sides of said trunk to which voltage is applied and the polarities of the voltages applied to said one side of said trunk for setting up connections between different pairs of said lines.

2,246,744
TAILOR'S MEASURING APPARATUS
George K. Manus, Los Angeles, Calif.
Application August 3, 1940, Serial No. 350,399
18 Claims. (Cl. 33—8)



4. In a measurement taking apparatus for tailors, a main upstanding support, a vertically adjustable horizontal crossbar mounted thereon, horizontally extensible carrier rods mounted upon the opposite end portions of said crossbar, and a bar mounted upon each of said carrier rods, at least one of said bars being swingable through an angle materially greater than ninety degrees from an outwardly directed position to a contacting relation to the armpit of the customer.

2,246,745
PROPELLER PITCH CONTROL VALVE
Erle Martin, West Hartford, and John Elmer Anderson, Portland, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application May 18, 1939, Serial No. 274,384
11 Claims. (Cl. 264—3)



1. A governor base for a governor and hydraulic speed control having a fluid passage therein leading from said control to an aperture opening to the exterior of said base and a valve casing integral therewith, and valve mechanism in said casing responsive to the pressure of fluid from a source external to said base to control said fluid passage.

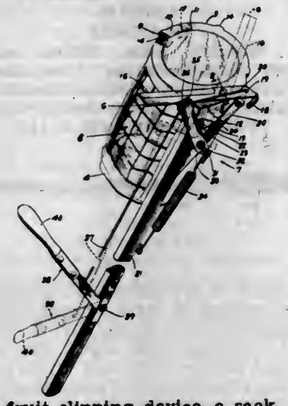
6. A valve comprising, an elongated hollow casing connected at its opposite ends with fluid passages and provided intermediate its length with an aperture leading from the interior to the exterior thereof, a movable plunger in said casing provided at one end with a piston having two operative positions, one at either side of said aperture, and a ball cage at the opposite end, a ball carried by said cage, a hollow stem secured in the end of said casing adjacent to said ball and provided with a seat for said ball, and a spring for urging said ball against said seat.

2,246,746
BARBER'S COMB
Milo Hasen McCoy, Longmont, Colo.
Application June 15, 1940, Serial No. 340,796
2 Claims. (Cl. 132—11)



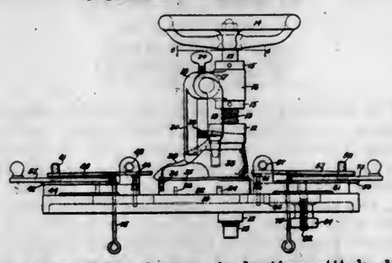
1. In a comb having a back, a plurality of teeth arranged in groups of two, the spaces between the groups of teeth all extending from the points of the teeth to the back and the spaces between the teeth of the pairs being of varying lengths and arranged to present a base line for the teeth of wavy contour, which base line is broken by the said spaces between the groups of teeth.

2,246,747
FRUIT CLIPPER
Peter Metzger, Anaheim, Calif.
Application July 15, 1940, Serial No. 345,504
9 Claims. (Cl. 56—335)



1. In a fruit clipping device, a sack, a mouthpiece for the sack, said mouth-piece comprising a flat ring-like plate having a circular opening, a portion of which is chamfered to provide a curvilinear cutting edge, downwardly inturned lugs carried by said mouth-piece for fastening said sack thereto, a pole, said mouth-piece having a depending flange connected to said pole, a knife pivotally mounted upon said mouthpiece with the edge thereof directed toward the opening in said mouth-piece, and means for operating said blade forwardly and backwardly across the opening in said mouth-piece.

2,246,748
BOOT AND SHOE LASTING MACHINE
Herbert A. Miller, Danvers, Mass., assignor to Herbert A. Miller Shoe Co., Danvers, Mass., a corporation of Massachusetts
Application September 23, 1939, Serial No. 296,213
6 Claims. (Cl. 12—7)



1. In a machine for use in lasting stitch-down boots and shoes, the combination with a jack mechanism including a base provided with a work-rest, gauge means for positioning a cemented sole on said work-rest, and a clamp for engaging the top of a last to hold the latter in position on said sole and said sole in position on said work-rest while an unflanged cemented upper is held in position on said last with its lower marginal portion surrounding said sole and work-rest, of flange-forming presser mechanism movably mounted on said base adjacent to said work-rest, said mechanism being operable independently of said clamp while said last and sole are held in position on said work-rest by said clamp thereby to force the lower interiorly cemented marginal portion of the upper in-

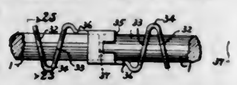
wardly into the bight between the last and the sole and also downwardly against the cemented top of said sole.

2,246,749
BLANKET
John N. Moeckel, Saco, Maine, assignor to Pepperell Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application July 14, 1939, Serial No. 284,470
6 Claims. (Cl. 139—411)



1. A blanket of predetermined percentage wool content composed of three superposed weft layers tied together with warp, having little, if any wool in the center weft layer, the percentage wool content of the outer weft layers greatly exceeding said predetermined percentage, said outer layers being napped so that the percentage of wool in the nap greatly exceeds the percentage of wool in the entire blanket, the center layer being composed of wefts that remain in the center throughout the blanket and the napped weft threads being periodically crossed from one surface to the other through the center layer at intervals which are shorter than the length of that portion of the individual napped fibers forming the body of the napped weft after napping so that the individual napped fibers are tied into the blanket by being crossed through from one surface of the blanket to the other.

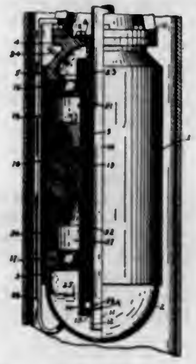
2,246,750
COUPLING AND COUPLING INSTALLATION
Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application June 12, 1937, Serial No. 147,957
8 Claims. (Cl. 64—15)



1. A coupling for misaligned shafts comprising a strip constituted of spring metal, said strip having a central portion and a pair of oppositely directed U-shape portions forming outwardly extending continuations of the said central portion, the arms of each U-shape portion being provided with a pair of apertures so positioned that they are aligned when said arms are flexed whereby a shaft end may be seated therein and maintained against displacement by the force exerted against the shaft ends when the flexing force is released.

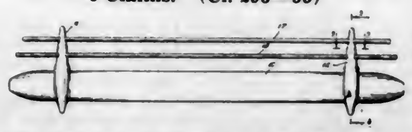
2,246,751
SUBMERSIBLE MOTOR FOR DEEP WELL TURBINE PUMPS
Albert Nelson, near Santa Clara, Calif.
Application January 16, 1940, Serial No. 314,110
4 Claims. (Cl. 172—36)

1. A submersible device comprising, a unitary and concentric closed motor casing and open ended shaft tube, said tube projecting into the casing from the top and disposed to cooperate therewith to form a closed lubricant holding chamber, a pump shaft extending through the tube, a motor associated with the casing in said chamber and drivingly connected to the shaft



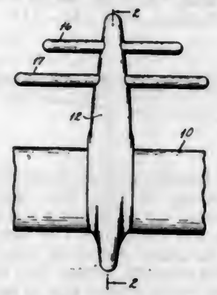
below the bottom of the tube, there being open communication between the bottom of the tube and the lower end of the chamber.

2,246,752
VERTICAL GUARD AND SUPPLEMENTAL PROTECTING MEANS
Raymond E. Paddock, Lynn, Mass., assignor to American Chain & Cable Company, Inc., a corporation of New York
Application March 16, 1940, Serial No. 324,265
6 Claims. (Cl. 293—55)



2. In combination with a vertical guard provided with rearwardly extending flanges adapted to seat on the front face of a horizontal bumper bar, said flanges being provided with apertures, a plurality of bars extending through said apertures, and clamping means engaging said bars operating to move said bars in opposite directions to frictionally engage the edges of said apertures in said flanges.

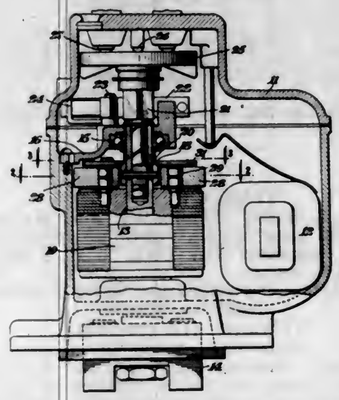
2,246,753
VERTICAL GUARD AND SUPPLEMENTAL GUARDRAIL SECURING MEANS
Raymond E. Paddock, Lynn, Mass., assignor to American Chain & Cable Company, Inc., a corporation of New York
Application March 16, 1940, Serial No. 324,266
7 Claims. (Cl. 293—55)



1. The combination with a vertical guard

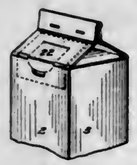
adapted to be mounted on a horizontal bumper bar and provided with transversely extending apertures at a higher level than the bumper bar to receive a pair of vertically spaced horizontally extending bars, bars extending through said apertures, and securing means carried by and operating on said bars to force said bars in opposite directions against the edges of said apertures.

2,246,754
MAGNETO
Peter Piffath, Great Neck, N. Y.
Application November 2, 1939, Serial No. 302,484
2 Claims. (Cl. 171—209)



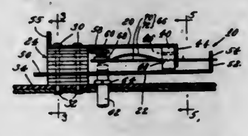
1. In a magneto, a rotor having a hollow shaft provided with a pair of arcuate slots, a cam shaft rotatably supported within said hollow shaft, a hub rotatable on said hollow shaft, a radial pin carried by said cam shaft with its ends passing through said arcuate slots and being interconnected with said hub, wings pivoted to said rotor for swinging movement by centrifugal force, a spring carried by each wing for opposing such movement thereof and contacting said hub surface in overlying relation to an end of said radial pin, and means interconnecting said wings and said hub for effecting rotary movement of the latter relative to said hollow shaft upon swinging movement of the former.

2,246,755
PAPER BOTTLE
Henry J. Reiter, Philadelphia, Pa., assignor to Brown & Bailey Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 15, 1939, Serial No. 304,475
5 Claims. (Cl. 229—17)



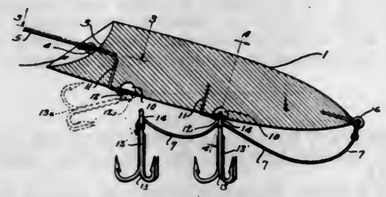
1. A paper bottle having a top closure and a wall panel, an extension integral therewith forming part of the top closure and defined from the panel by a score indented outwardly from the inner surface of the bottle, a hinged outer flap integral with and partially severed from the extension and panel, a reinforcement secured at its edge portions to the extension and panel and scored in conformity with the first mentioned score, a hinged inner flap partially severed from the reinforcement, secured to the outer flap and adapted to be raised therewith to expose a pouring opening, the reinforcement and outer flap having registering scores indented oppositely to said first mentioned score extending in prolongation thereof said scored parts being folded angularly inward along said scores whereby said edge portions of the reinforcement are compressed against the panel and extension at the line of fold defined by said scores.

2,246,756
CONTROL APPARATUS
Arthur L. Riche, Freeport, Ill., assignor to Micro Switch Corporation, Freeport, Ill., a corporation of Illinois
Application July 12, 1939, Serial No. 283,958
In Great Britain February 28, 1938
9 Claims. (Cl. 200—138)



1. In combination, a snap acting thermostatic switch having a thermal actuating element and contacts opened and closed with a snap action thereby whereby the thermal element opens and closes those contacts at separate temperatures thereof, shiftable reset means on said thermostatic switch for changing the number of degrees difference between said separate temperatures, and means for limiting the shifting movement of said reset means to prevent the reduction of said number of degrees below a predetermined minimum, whereby said reset means is incapable of actuating said contacts when the temperature of said thermal element is outside a predetermined range.

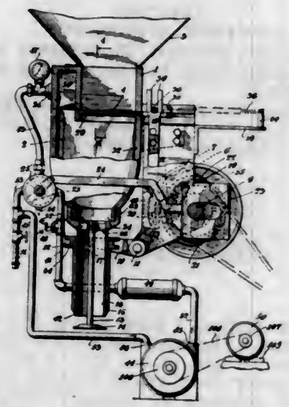
2,246,757
FISH LURE
Dora Rosegard, Seattle, Wash.
Application January 13, 1940, Serial No. 313,737
3 Claims. (Cl. 43—46)



1. A fish lure comprising a body, equipped with means at its forward end for attachment to a fish line, and having a socket formed in its under side rearwardly of the means for connection of the line, a hook supporting means fixed to the body and having a yieldable prong extended in the rearward, longitudinal direction of the body, and having its free end terminating within the socket and a fish hook having its shank eyelet applied over said prong to functionally suspend the hook from the body, and normally retained

on the prong by contact with the walls of the socket and a leader fixed to the rear end of the body and having holding connection with the hook for the release of the shank eyelet from said prong by rearward pull on the hook and downward deflection of the prong.

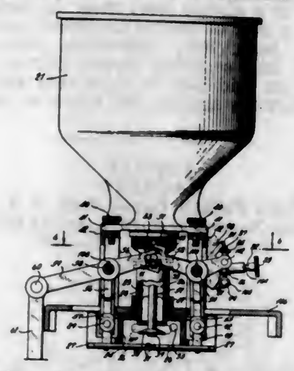
2,246,758
EXTRUSION DEVICE
Ernest J. Roth, Norwood, N. J., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application December 6, 1940, Serial No. 368,797
20 Claims. (Cl. 107—14)



1. In an extrusion machine and in combination, a chamber for housing plastic material, said chamber having a valved inlet through which plastic may be admitted into, and a valved outlet through which plastic may be extruded out of, said chamber, a pump, valve mechanism for interconnecting said chamber and said pump, said valve mechanism being operable to intermittently connect said chamber first with the intake side of the pump when the inlet valve is open and the outlet valve is closed to rapidly decrease the pressure within said chamber below atmosphere to effect entry of plastic into the chamber, and then with the delivery side of the pump when the inlet valve is closed to rapidly increase the pressure within said chamber substantially above atmosphere before the outlet valve opens to allow plastic to be extruded through said extrusion outlet, and means for opening and closing said inlet and outlet valves and for operating said valve mechanism in properly timed sequence.

2,246,759
EXTRUSION DEVICE AND METHOD OF MAKING FORMATIONS OF PLASTIC MATERIAL
Ernest J. Roth, Norwood, N. J., and John L. Ellis, New York, N. Y., assignors to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application October 2, 1940, Serial No. 359,356
9 Claims. (Cl. 107—54)

9. Method of making formations of plastic material which consists in subjecting the top of a column of the plastic material to atmospheric pressure, reducing the pressure at the bottom of the column below atmosphere thereby extruding a quantity of the plastic, imparting shape to the plastic thus extruded, arresting the further extrusion of the plastic material by subjecting the shaped extrusion to atmospheric pressure,

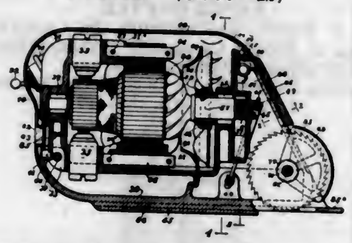


and severing the shaped portion of extruded plastic.

2,246,760
STABLE FUEL OIL
William J. Ryan, Wilmington, and Marcus T. Kendall, Long Beach, Calif., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application March 22, 1939, Serial No. 263,400
6 Claims. (Cl. 196—150)

1. As a composition of matter a stable fuel oil having a Saybolt furol viscosity of 25 seconds and above at 122° F. comprising a heavy viscous fuel oil residue produced in cracking a hydrocarbon selected from the group of hydrocarbons consisting of paraffin base and mixed base petroleum hydrocarbons, said residue containing colloidal, carbonaceous material which precipitates therefrom in storage and upon moderate heating, blended with around 20 to 40% by volume of naphthene base petroleum hydrocarbons of about the same viscosity as said residue and sufficient to inhibit substantial precipitation of said carbonaceous material.

2,246,761
PORTABLE CUTTING TOOL
Edward M. Saliba, Lawrence, and Merton C. Vincent, Lynn, Mass.
Application March 31, 1938, Serial No. 199,206
6 Claims. (Cl. 90—12)

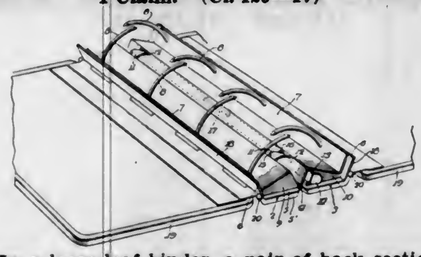


1. An improved cutting tool comprising a chassis, a rotary cutter and a motor operably connected to said cutter, said cutter and motor being mounted on said chassis and carried thereby, a casing substantially enclosing said chassis, motor and cutter, means movably holding said chassis within said casing, a pin extending through one end of said chassis and supported in the sides of said casing, said chassis being movable on said pin, and means within the casing for angularly adjusting said chassis with respect to said casing and about said pin.

2,246,762
METHOD FOR CONDENSATION
Erik Schirm, Dessau in Anhalt, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland, a corporation of Switzerland
No Drawing. Application December 20, 1935, Serial No. 55,369. In Germany December 22, 1934
3 Claims. (Cl. 260—624)

1. Method for condensation characterized by condensing compounds which contain at least one olefinic double link in the molecule with compounds containing at least one aromatic nucleus with at least one unsubstituted hydrogen atom in the aromatic nucleus in the presence of aqueous mixtures of perchloric acid together with mineral acid of the group consisting of sulfuric acid, hydrochloric acid, and phosphoric acid.

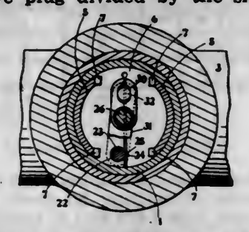
2,246,763
LOOSE-LEAF BINDER
Benjamin Schlosser, Chicago, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application November 21, 1938, Serial No. 241,629
1 Claim. (Cl. 129—17)



In a loose leaf binder, a pair of back sections hinged together, said back sections having bottom walls extending angularly to each other when said back sections are closed, and side walls extending at obtuse angles from said bottom walls, each of said side walls having a plurality of sheet retaining prongs mounted thereon, and a latch for holding said back sections in intermediate position with the planes of said bottom walls intersecting each other at an angle of less than 180 degrees, said bottom walls being adapted to lie in a common plane with said back sections in partly open position when said latch is released, said sheet retaining prongs mounted on each of said side walls overlapping the prongs mounted on the other side wall to an extent sufficient to prevent accidental displacement of sheets impaled on said prongs when said back sections are in partly open position, said back sections being freely movable from said partly open position to a fully open position, permitting removal of sheets or impalement of sheets on said prongs without manipulation of said latch.

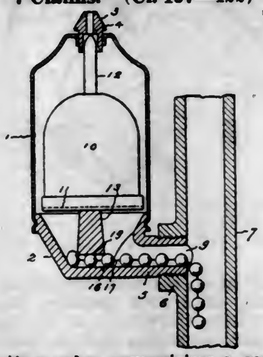
2,246,764
VALVE
Lewis Mervyn Cecil Seamark, Lyme Regis, England
Application May 26, 1939, Serial No. 275,922
In Great Britain May 28, 1938
6 Claims. (Cl. 251—102)

1. A valve of the plug type comprising a valve body having a seating therein for the valve plug and transverse passageways therein adapted on rotation of the valve plug to be brought into and out of coincidence with the transverse passageway in the valve plug, a valve plug divided by a slot extending the length of the valve plug and across the valve plug from one position at which the slot opens at its periphery to an opposite position short of the periphery at which the parts of the valve plug thus divided are connected by a small thickness of metal, an expander disposed lengthwise to move on its axis in the valve plug and held seated and exposed to the slot and in position away from that at which the parts of the valve plug divided by the slot are con-



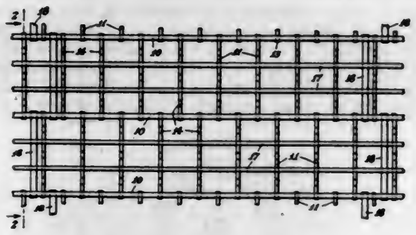
nected, the expander having a non-circular cross-section which at one position in the cross-section has an overall cross-sectional dimension greater than can be accommodated by the slot in the unexpanded condition of the valve plug, and means for causing movement of the expander on its axis to bring that part of its cross-section having the greater cross-sectional dimension into position to cause the expansion of the valve plug, comprising a spindle coaxial with the valve plug and having a manually operable part extending outward from the valve body, and inter-engaging elements of mechanism within the valve body in position between the inner end of the spindle and the upper end of the expander.

2,246,765
RADIATOR VENT VALVE
William K. Simpson, Waterbury, Conn., assignor to The M. S. Little Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application August 22, 1940, Serial No. 353,666
7 Claims. (Cl. 137—122)



7. A venting valve comprising a casing having means for attachment to the chamber to be vented and having a vent, a float within the casing, means carried by the float for opening and closing the vent, and a metallic flexible member composed of a plurality of articulated links cooperating with said casing means for draining water from said casing.

2,246,766
GRATING
Ernest L. Tarof, Brooklyn, N. Y., assignor to Kerlow Steel Flooring Co., a corporation of New Jersey
Application April 6, 1939, Serial No. 266,312
3 Claims. (Cl. 189—82)



3. A grating section including load bars, spacing bars rigidly connecting no more than each pair of adjacent load bars and of less depth than said load bars, at least one intermediate bar parallel to the load bars, carried in recesses in the upper edge of said spacing bars and of substantially less depth than such spacing bars, the tops of said load, spacing, and intermediate bars being substantially flush, another grating section similar to the first section and spaced therefrom about the width of said section, spacing bars out of alignment with the spacing bars of said sections and rigidly connecting said sections at their edges, said last mentioned spacing bars also carrying at least one intermediate bar in recesses in the upper edge thereof.

2,246,767
HAIR DRIER
Richard V. Tays, Coral Gables, Fla.
Application March 6, 1939, Serial No. 260,167
11 Claims. (Cl. 34—100)

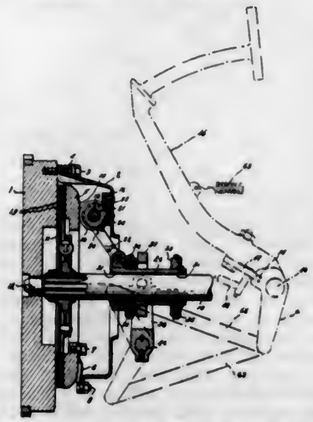


1. In a hair drier, the combination of a helmet proper having an outlet opening therein and adapted to receive the crown of the head, a cooperating head enclosing section comprising a plurality of air tubes having inlet orifices therein and outlet orifices directed toward the head of the user supported by and spaced around the helmet for supplying air to the hair of the user, and means cooperating simultaneously with a plurality of the tubes for moving the same relative to the helmet and toward and away from the head.

2,246,768
METHOD OF DEHYDRATING A HYDROXYLATED FAT OR FATTY ACID OF THE RICINOLEIC SERIES
Richard T. Ubben, Elmhurst, and James R. Price, Jr., Chicago, Ill., assignors to Armstrong Paint & Varnish Works, Chicago, Ill., a corporation of Illinois
No Drawing. Application October 2, 1939, Serial No. 297,434
4 Claims. (Cl. 260—398)

1. The method of dehydrating castor oil, which comprises heating to a temperature between 525° and 575° F. a mixture consisting of castor oil and phthalic anhydride, the proportion of phthalic anhydride being insufficient to esterify a substantial proportion of said castor oil but being capable by reaction with successive corresponding increments of said castor oil of forming increments of the phthalic ester of said castor oil, which within said temperature range is decomposed to release free phthalic anhydride for further incremental reaction, and continuing the heating within said temperature range until substantially complete dehydration of said castor oil has been effected to give directly dehydrated castor oil having conjugated double bonds.

2,246,769
CLUTCH
Ernest E. Wemp, Detroit, Mich.
Application January 26, 1938, Serial No. 186,936
19 Claims. (Cl. 192—105)

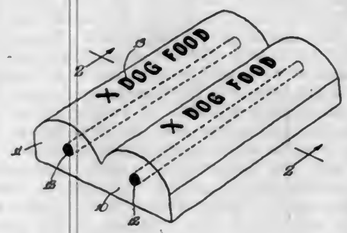


18. A clutch comprising driving and driven members, weight means shiftable radially outwardly by centrifugal force for engaging the clutch, and spring means flexed by the outward shift of the weight means and reacting against the outward shift of the weight means, the rate of increase of the resistance of the spring means upon flexure being substantially matched to the rate of increase of the centrifugal force of the weight means incident to the increase of the radius of the weight means.

2,246,770
ANIMAL FOOD
Stanley L. Wessel, Glencoe, Ill.
Application March 6, 1939, Serial No. 260,009
2 Claims. (Cl. 99—2)

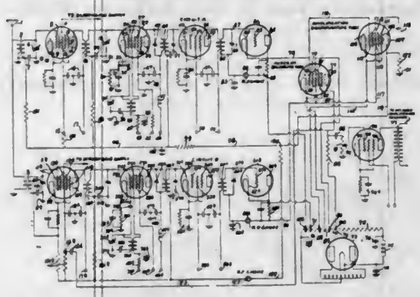
1. An article of manufacture, composed of food suitable for animals, said article being in the form of a compact cake and provided with a

core composed of ingredients in which finely divided charcoal is incorporated, the ends of the



core being visible from at least two points on said cake.

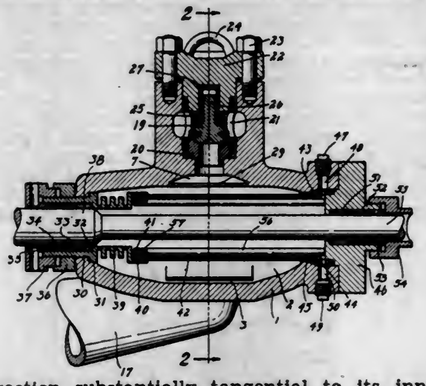
2,246,771
ANTISTATIC RECEIVING SYSTEM
William E. Zuccarello, Jacksonville, Fla., assignor to The Macarello Corporation, Jacksonville, Fla., a corporation of Florida
Application November 6, 1939, Serial No. 302,959
12 Claims. (Cl. 250—20)



1. A static eliminating system comprising two radio receiving circuits, means including one of said circuits for receiving combined signal-modulated carrier and static impulses, means including the other of said circuits for receiving only those static impulses which are of greater strength than the carrier, means for differentially balancing the output currents of one circuit against the output currents of the other circuit, and means for equalizing the amplitudes of the static impulses of both circuits whereby the static impulses of greater strength than the carrier are completely removed in the balancing means, and means for amplifying the differential currents.

2,246,772
PUMP
James S. Abercrombie, Houston, Tex., assignor to Abercrombie Pump Company, Houston, Tex., a corporation of Texas
Application February 8, 1938, Serial No. 189,322
5 Claims. (Cl. 103—44)

1. A pump having a barrel, inlet means for said barrel, outlet means for said barrel, an expansible member within said barrel, means to expand and contract said member to draw fluid into said barrel through said inlet means and to expel it from said barrel through said outlet means, said barrel including an elongated fluid opening entirely independent of said inlet and outlet means extending along a substantial portion of the length of said barrel through which fluid is introduced into and exhausted from said barrel in a



direction substantially tangential to its inner surface.

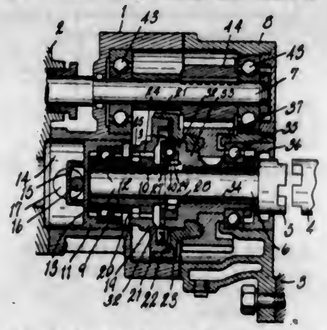
2,246,773
PAINT BRUSH STRUCTURE
Arthur T. Adams, Oak Park, Ill.
Application June 16, 1938, Serial No. 213,973
3 Claims. (Cl. 15—201)

1. In a paint brush, a body portion, an easily cleanable assembly for said brush including a plurality of bristle groups mounted to said body portion and extending in axial alignment therewith in operative position, one of said bristle groups being hingedly mounted to said body portion for swinging movement toward and away from an adjacent group for cleaning purposes, the hinged mounting of the one bristle group being at an angle to the mounting of the adjacent group to taper the hinged group toward said adjacent group to form a single bristle portion, and means for locking said bristle groups into a single bristle portion.

2,246,774
HIGH SPEED CLUTCH
Adrian P. Adney, Battle Creek, Mich., assignor to American-Marsh Pumps, Inc., Battle Creek, Mich.
Application December 12, 1940, Serial No. 369,702
11 Claims. (Cl. 192—53)

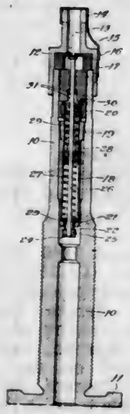
1. In a clutch of the type described, a housing having driving and driven shafts rotatably mounted therein, a driving sleeve having a toothed clutch jaw thereon, said sleeve being non-rotatably mounted on said driving shaft for movement axially thereof, thrust means engageable with the sleeve to shift the same axially, a friction clutch member non-rotatably mounted on said sleeve for axial movement thereon, resilient means engaging said thrust means and said

friction clutch member for moving the member with the sleeve through a predetermined distance, said last named means being yieldable thereafter to permit further axial movement of the sleeve relative to the member, an axially restrained friction clutch member engageable by said first named friction clutch member and rotatable relative to said driving shaft, a driven sleeve concentric with said driving shaft nonrotatably connected to said last named friction clutch member, an alining ring concentric with the driving shaft and provided with a toothed clutch jaw drivingly engageable by said first named jaw following axial movement of said



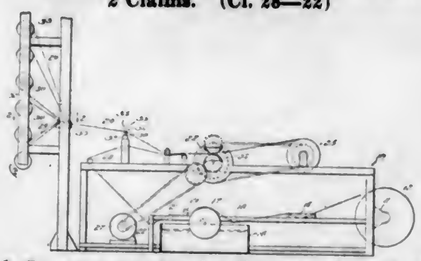
sleeve, said ring having radially extending driving lugs thereon and said driven sleeve having recesses receiving said lugs with lateral clearance equivalent to approximately two teeth of the jaws to effect a lost motion driving connection between the ring and driven sleeve and enable ready axial meshing engagement of the clutch jaws, means coacting with said ring and driven sleeve for yieldably maintaining said lugs in predetermined angular relation to said recesses when the jaws are not engaged, and means connected to said driven sleeve for driving said driven shaft therefrom, said friction clutch members being engageable prior to said clutch jaws upon axial movement of the driving sleeve.

2,246,775
PNEUMATIC TIRE VALVE
Allen O. Anderson, Chicago, Ill.
Application October 3, 1938, Serial No. 232,916
3 Claims. (Cl. 137—69.5)



1. A valve mechanism, comprising in combination a tubular valve member, a tapered bearing on the outer face of said valve member adapted to fit a tapered seat in the valve stem of a tire, an upwardly opening valve in said tubular valve member having an opening therethrough, yielding means adapted normally to hold said valve in its lowered closed position, a second valve for closing the opening through said first-named valve and arranged for opening downwardly, a pin connected with said second valve and extending upwardly through the opening in said first-named valve and adapted to extend to a point adjacent to the upper end of the valve stem, a retainer sleeve adapted by screw-threaded connection with the valve stem to press said tubular valve member into operative position, a bracket carried by said retainer sleeve having sliding engagement with said pin, means on the pin for preventing disengagement of said bracket therefrom, and yielding means normally holding said second valve closed, said two valves and the yielding means therefor and said pin and retainer sleeve being connected with said tubular valve member so as to be removable in unit form from said valve stem.

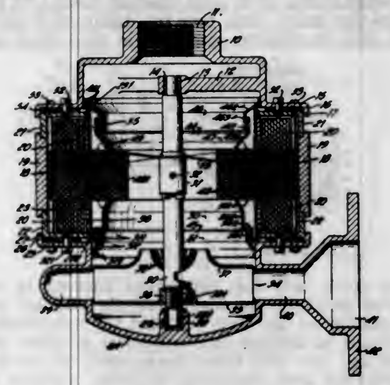
2,246,776
APPARATUS FOR THE MANUFACTURE OF DECORATIVE MATERIAL
Charles Henry Appleman, Brooklyn, N. Y.
Application June 30, 1939, Serial No. 282,095
2 Claims. (Cl. 28—22)



1. In an apparatus for the manufacture of a decorative material comprising a creel for supporting a plurality of spools of strands of fibers, a guide member having a plurality of apertures through which the strands of fibers are arranged to be conducted, the said guide member serving to arrange the strands in substantially coplaner relation, and means including a supporting member provided with a plurality of spaced pins in two parallel rows, the pins of one row being staggered relative to the pins of the other row, the said supporting member being of relatively lesser length than said guide member and being spaced therefrom whereby the said fibers are caused to converge in their travel to said pins, the rows of pins being so constructed and arranged that a pair of strands of fibers will converge and pass through the space defined by a pair of adjacent pins in the front row of pins, said pair of strands thereafter being caused to diverge into substantially parallel lines by the pins of the rear row.

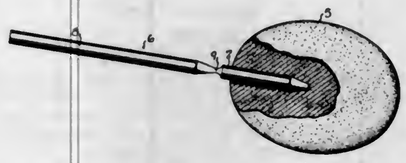
2,246,777
ELECTRIC MOTOR
Claude G. Bordeaux, Albany, and Forrest S. White, Hoosick Falls, N. Y.
Application September 17, 1938, Serial No. 230,516
9 Claims. (Cl. 172—36)

1. In a combined pump and electric motor, means comprising a hollow diaphragm formed of non-magnetic material defining a passage for the flow of liquid, an electric motor comprising a stationary field surrounding said diaphragm and a rotatable armature disposed within said diaphragm, and associated means for excluding



particles of magnetic material carried by said liquid from the space between said armature and said diaphragm.

2,246,778
SAFETY HANDLE FOR CONFECTIONS
Edward E. Cahoon, Racine, Wis.
Application December 21, 1939, Serial No. 310,418
4 Claims. (Cl. 99—138)

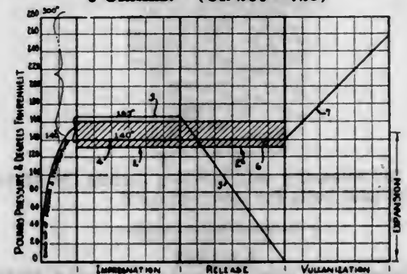


1. A safety stick confection comprising: a mass of solidified confection, and a stick, one end portion of which stick constitutes a handle when the other end portion thereof is embedded in the mass of the confection, both of said end portions being of substantially the same cross section and integrally united with one another by an interposed, relatively weak safety portion, so positioned in the length of the stick as to be exterior of such mass of confection, said safety portion being of less cross section than said end portions and of the same thickness at any two cross axial planes normal to one another.

2,246,779
PROLAMIN CONTAINING COMPOSITIONS AND SOLUTIONS
Roy E. Coleman, Meriden, Conn., assignor, by mesne assignments, to Time, Incorporated, a corporation of New York
No Drawing. Application July 18, 1938, Serial No. 219,826
13 Claims. (Cl. 134—12)

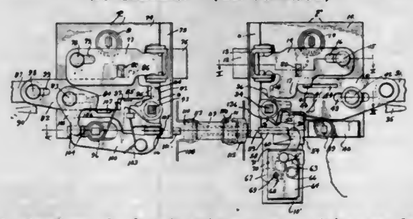
1. A coating composition containing not in excess of about 5% of added water comprising a solution of a prolamin in a solvent mixture comprising an alcohol and an organic acid other than the lower aliphatic acids, said solvent mixture containing not in excess of 5% of water and said composition being stable against separation of the prolamin at temperatures of 70° F. and being substantially non-gelling.

2,246,780
SPONGE RUBBER PROCESS
Almon J. Cordrey, Chicago, Ill., assignor to Industrial Process Corporation, Dayton, Ohio, a corporation of New York
Application April 25, 1939, Serial No. 269,955
6 Claims. (Cl. 260—725)



5. In a method of sponging rubber, the steps of maintaining rubber stock impregnated with gas in a closed receptacle under a pressure and at a temperature range of from 130° to 160° F, reducing the pressure to atmospheric pressure while maintaining the temperature within said temperature range, and increasing the temperature to vulcanize the rubber after the gas has been released.

2,246,781
AUTOMOBILE DOOR LOCKING STRUCTURE
Edward D. Dall, Detroit, Mich., assignor to Walter F. Wright, Cleveland, Ohio
Application April 3, 1939, Serial No. 265,623
20 Claims. (Cl. 70—264)

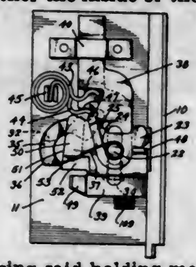


1. A door lock structure comprising a latch bolt normally yieldably projected into latching position, an outside handle, actuating means operable by the outside handle for effecting retraction of the latch bolt, a dogging member, means key operable from the outside of the lock structure for setting said dogging member for dogging said actuating means to render it ineffective for operation by the outside handle, and means operable independently of said latch bolt for restoring said dogging member to undogging position and said key operable means to unlocking condition when the door on which the lock structure is applied has been swung shut after said key operable means has been operated for dogging of said actuating means by said dogging member.

2,246,782
AUTOMOBILE DOOR LOCKING STRUCTURE
Edward D. Dall, Detroit, Mich., assignor to Walter F. Wright, Cleveland Heights, Ohio
Application July 3, 1939, Serial No. 282,618
6 Claims. (Cl. 292—45)

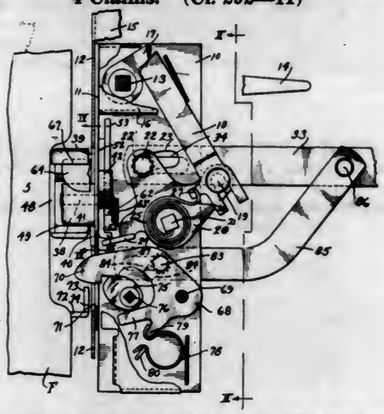
1. Locking structure for an automobile door comprising a main latch bolt and a safety latch bolt, a common holding means engaging both bolts for holding them in locking position when

the door is in closed position, and means operable from either the inside or the outside of the



door for releasing said holding means for operation of said bolts for door opening.

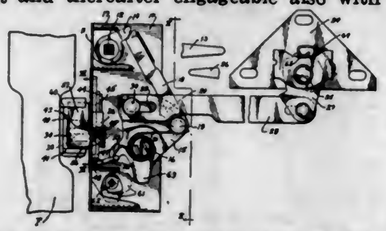
2,246,783
AUTOMOBILE DOOR LOCKING STRUCTURE
Edward D. Dall, Detroit, Mich., assignor to Walter F. Wright, Cleveland Heights, Ohio
Application February 23, 1940, Serial No. 320,250
4 Claims. (Cl. 292—11)



4. Locking means for an automobile door comprising lock structure on the door and cooperating keeper structure on the door frame, main latch bolt means on the lock structure cooperable with said keeper means for latching the door in closed position, safety latch bolt means on the lock structure independently cooperable with said keeper means for latching of the door in nearly closed position, lock bolt means on the lock structure for cooperating with the keeper structure to lock the door closed independently of said main and safety latch bolt means, handle means on the door, and means controlled by said handle means for effecting simultaneous release of said three bolt means from said keeper structure for opening of the door.

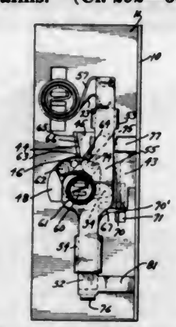
2,246,784
AUTOMOBILE DOOR LOCKING STRUCTURE
Edward D. Dall, Detroit, Mich., assignor to Walter F. Wright, Cleveland Heights, Ohio
Application February 23, 1940, Serial No. 320,251
2 Claims. (Cl. 70—153)

2. Locking means for the door of an automobile comprising keeper structure adjacent to the door, a rockable main latch bolt on said door cooperable with said keeper structure to latch the door in closed position, holding means on said door for holding said main latch bolt in latching position, a rockable safety latch bolt on the door cooperable with said keeper structure in advance of said main latch bolt to latch the door against opening movement, a releasing member on the door engageable with said holding means to first release the main latch bolt for unlatching movement and thereafter engageable also with said



safety latch bolt for movement thereof to unlatching position, an inside handle and an outside handle on the door adapted for independent movement to actuate said releasing member, and means key operable from the outside of the door for dogging said releasing member against releasing movement.

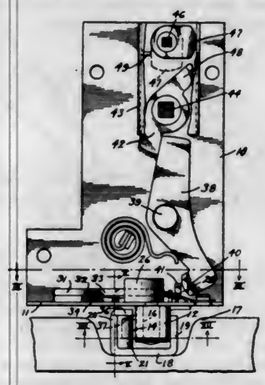
2,246,785
AUTOMOBILE DOOR LOCKING STRUCTURE
Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application February 28, 1940, Serial No. 321,150
5 Claims. (Cl. 292—335)



1. Lock structure for the door of an automobile comprising a latch bolt on the door rockable into latching or unlatching position, keeper structure adjacent the door cooperable with the latch bolt when the door is closed to effect rocking thereof into latching position, locking means engageable with the latch bolt when in its unlatching position to rigidly lock it in such position and cooperable with the keeper structure in advance of said latch bolt when the door is moved toward closing position to be shifted out of locking engagement with the latch bolt to free the latch bolt for interlatching engagement with the keeper structure, releasable holding means for holding the latch bolt in latching engagement with the keeper structure, and releasing means on the door operable to release said holding means and thereby permit opening of the door.

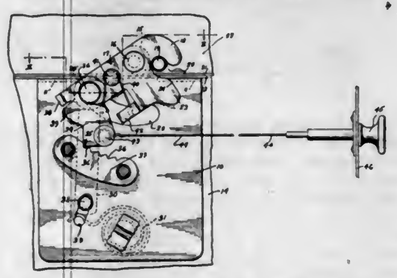
2,246,786
AUTOMOBILE DOOR LOCKING STRUCTURE
Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application March 13, 1940, Serial No. 323,712
3 Claims. (Cl. 292—198)

1. Locking structure for a hinged automobile door comprising a keeper at the edge of the door jamb, a rockable latch bolt on the door for entering said keeper when the free edge of the door is moved to closed position, a latching abutment on the keeper with which the end of said latch bolt cooperates to be rocked into latching en-



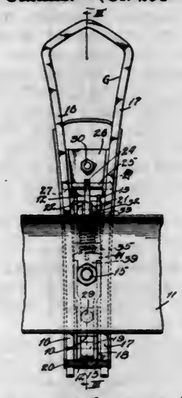
gagement with the keeper for holding the door closed, a cam surface on the side of said bolt, and a second abutment on said keeper with which said cam surface has camming pressure engagement when it is rocked to latching position whereby the door edge will be drawn toward the jamb edge when the door is closed.

2,246,787
LATCH STRUCTURE
Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application May 23, 1940, Serial No. 336,696
6 Claims. (Cl. 292—99)



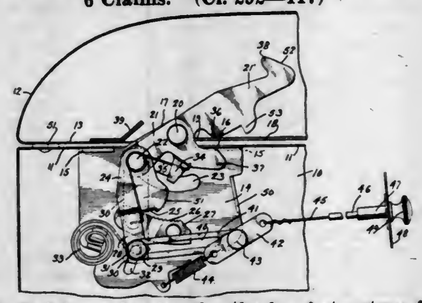
1. Latching structure for a swinging cover of a housing on an automotive vehicle comprising keeper means on the cover, a latching lever on the housing rotatable for latching engagement with the keeper means or for unlatching thereof, a swinging detent pawl depending from said lever, a detent abutment on said housing engageable by said detent pawl when said lever is rotated into latching position whereby said lever will be locked against rotation in unlatching direction, an abutment on said lever, and means operable from a point remote from said lever for first effecting release of said detent pawl from said detent abutment and for then engaging said detent pawl with said lever abutment for rotation of said lever to unlatching position, and means on said latching lever effective during unlatching movement of said lever to engage with said cover to raise it to a partially open position.

2,246,788
HINGED BUMPER GUARD
Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application August 17, 1940, Serial No. 353,006
4 Claims. (Cl. 293—55)



1. A guard structure for an automobile bumper comprising a supporting bracket attachable to the impact bar of a bumper, a guard element hinged at its lower end to the bracket for swing thereon in a vertical plane, a keeper on the guard element, a rocking latch bolt on said supporting bracket having a latching arm and a setting arm whereby upon swing of said guard element toward service position said keeper will engage with said latch bolt setting arm to rock said latch bolt for interlatching engagement of its latching arm with said keeper, and spring pressure means acting against said latch bolt for yieldably holding it in interlatching engagement with said keeper.

2,246,789
AUTOMOBILE HOOD LATCH
Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application August 17, 1940, Serial No. 353,007
6 Claims. (Cl. 292—117)



1. Latch mechanism for the hood structure for an automotive vehicle comprising keeper means on the hood cover, a latch bolt on the hood rockable to latching or unlatching position, an extension on said latch bolt forming a safety catch disposed out of the path of said keeper means when the cover is latched in closed position, crossover spring pressure means tending after initial swing of said latch bolt to latching or unlatching position to quickly complete such movement, a detent member on said latch bolt and a

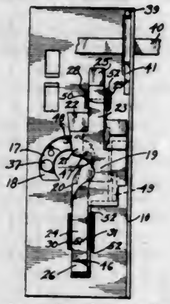
detent abutment engageable thereby when said latch bolt is in latching position to lock said latch bolt against unlatching movement, control means actuatable from outside of said hood for first releasing said detent means from said abutment means for unlocking of the latch bolt and then effecting initial swing of said latch bolt for functioning of said spring pressure means to swing the latch bolt to unlatching position and said safety catch into the path of said keeper structure for limiting the opening movement of the unlatched cover, and means effective by a second manipulation of said control means for causing said detent means to swing said latch bolt a sufficient distance in unlatching direction for withdrawal of said safety catch from the path of the keeper structure to permit full opening of the cover.

2,246,790

AUTOMOBILE DOOR LOCKING STRUCTURE

Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application August 17, 1940, Serial No. 353,008
2 Claims. (Cl. 292—229)



1. A vehicle door latching structure comprising a latch bolt for the door, for cooperation with a keeper, to be rocked to latching engagement when the door is swung toward closed position, a guide frame having longitudinally spaced abutment members, an elongated and longitudinally shiftable wedging member movable in said frame and having the back edge of its end portions disposed in opposed relation to said abutment members, said wedging member being arranged with its front edge of a portion thereof intermediate said end portions engageable laterally against said latch bolt for causing further rocking thereof for complete tight closure of the door, a spring engaging said wedging member to move it longitudinally into wedging engagement with said latch bolt, and spring means engaging said end portions of said wedging member and normally urging the back edge of said end portions into spaced relation to said abutments to oppose the tendency of said end portions to stick to the abutments consequent upon transverse movement of said wedging member moving into wedging engagement and upon vibration of said member in service on a vehicle.

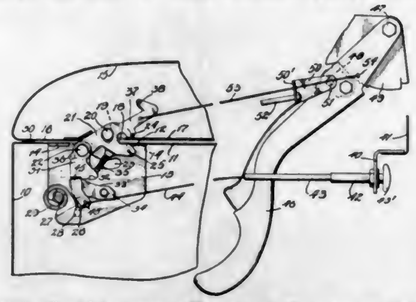
2,246,791

AUTOMOBILE HOOD LATCHING MECHANISM

Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application August 17, 1940, Serial No. 353,009
2 Claims. (Cl. 180—82)

1. Latching means for the cover of an alligator type hood of an automotive vehicle comprising main latching means normally holding said cover closed and operable to unlatch said cover and effect partial opening thereof, control means within the vehicle body for effecting unlatching of said main latching means, a safety catch disposed to limit further opening move-



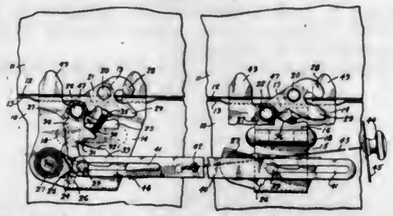
ment of said cover after partial opening thereof by said main latching means, and a connection between said safety catch and the emergency brake lever within the vehicle body effective upon setting of said emergency brake to move said safety catch to permit full opening of said cover.

2,246,792

COMBINATION HINGING AND LATCHING ASSEMBLY FOR AUTOMOBILE HOODS

Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application October 19, 1940, Serial No. 361,843
3 Claims. (Cl. 16—128.1)



1. A combined hinge and latch structure comprising two hinge elements connected for relative swinging movement, one of said hinge elements being adapted to be rigidly secured to an enclosure body, and latching mechanism on the other hinge element comprising a latch bolt rockable into latching engagement with a closure member for the enclosure body for securing said closure member to said other hinge element for hinge movement therewith, and means on said latch bolt adapted to effect a partial opening of said closure member when said bolt is rocked to unlatching position to release said closure member, and means for controlling the rocking movement of said latch bolt.

2,246,793

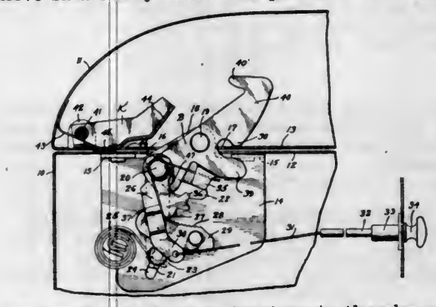
AUTOMOBILE HOOD LATCHING MEANS

Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application October 31, 1940, Serial No. 363,689
5 Claims. (Cl. 292—11)

1. Latching and safety catch asesmbly for an automobile hood of the alligtator type comprising a main latch within the hood body and a safety catch hook extending therefrom, means con-

trollable from outside said hood body for effecting unlatching of said main latch and partial opening thereby of the hood cover, a keeper structure on the hood cover for said hook accessible only after such partial opening and being normally in catch position, means effective when said cover is raised beyond said partial opening for causing the cover to engage with and move said safety catch into position for engage-



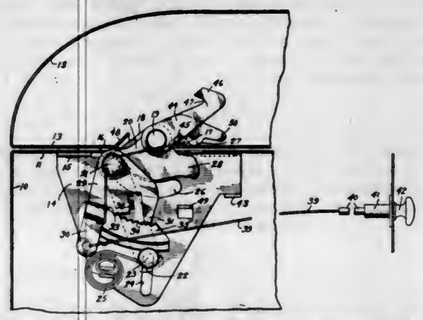
ment with said keeper structure to thereby prevent further opening movement of the cover, and means whereby said keeper structure is movable from its normal position out of the path of said safety catch after said cover has been partially raised by said main latch whereby upon such further opening movement of the cover the keeper structure will not catch the safety catch hook and the cover may be fully opened.

2,246,794

AUTOMOBILE HOOD LATCHING STRUCTURE

Edward D. Dall, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application December 12, 1940, Serial No. 369,779
6 Claims. (Cl. 292—11)



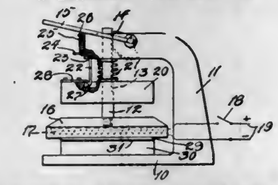
1. Latching assembly for an automobile hood comprising keeper structure on the hood cover, a latch bolt within and supported by said hood body, a safety catch arm on said latch bolt, said latch bolt being normally in position for engagement with said keeper structure to hold the hood cover closed and with said safety catch arm in inoperative position, means for effecting movement of said latch bolt to a full unlatching position and partial raising thereby of said cover and coincidental movement of said safety catch arm to operative position relative to said keeper structure to limit further opening movement of the cover, means rendered effective by a partial closing movement of said cover after partial opening thereof for effecting setting and holding of said latch bolt in an intermediate unlatching position and with said safety catch arm set to release said cover for further opening movement thereof, and means whereby said keeper structure is cooperable with said latch bolt upon such further opening movement of the cover to cause said latch bolt to be restored to its full unlatching position and with said safety catch arm in effective position after such further opening of the cover.

2,246,795

METHOD OF MOUNTING PRINTING PLATES

Albert A. Daniels, Chicago, Ill.

Application April 17, 1939, Serial No. 268,310
3 Claims. (Cl. 154—2)



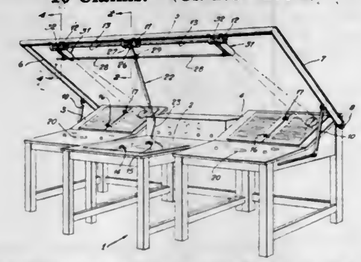
1. The method of mounting a metallic printing plate upon a base block which comprises interposing between the base and plate a fabric sheet coated on its opposite surfaces with a non-drying adhesive activated at ordinary temperature only by substantial pressure, initially gradually applying a relatively light pressure to bring the base and plate toward each other and initially activate the adhesive, and then subjecting the thus assembled block and plate to an impact blow of sufficient force to completely activate the adhesive and smooth out and level any bulges and warped portions that may be contained in the plate.

2,246,796

APPARATUS ADAPTED FOR SCORING AND RERECORDING SOUND

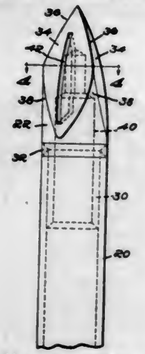
William E. Garity, Los Angeles, and Jackson G. Kuhn, Glendale, Calif., assignors to Walt Disney Productions, Burbank, Calif., a corporation of California

Application July 31, 1940, Serial No. 348,617
10 Claims. (Cl. 179—100.1)



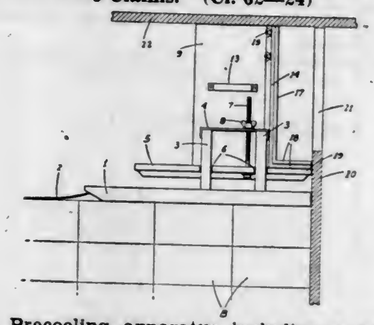
1. An apparatus for scoring and re-recording sound, comprising: a work table provided with work areas occupying planes inclined to each other, a supporting frame having a body portion parallel to and above the surface of said table, a pointer pivotally suspended from said overhead frame above one of said work areas, a parallel linkage connected to said pointer and extending parallel to said frame above said table, a projector carried by the parallel linkage, said projector being positioned immediately above another of said work areas, variable attenuation means positioned in said table and adjacent to said work areas, and a sound channel operably connected to said attenuation means.

2,246,797
BREACHING NOZZLE FOR FIRE HOSE
John W. Geddes, Watertown, Mass.
Application July 28, 1938, Serial No. 221,790
6 Claims. (Cl. 299—110)



1. A device of the class described comprising a substantially rigid tubular body of such diameter and length as to provide a substantial mass adapted to a breaching operation while permitting it to be manhandled within and across the usual interior spaces of building structures, the body having means at one end providing for attachment of a hose thereto and at the other an axially extending head rigidly related thereto, the head being tapered off along a plurality of angularly related curved surfaces defining between them substantially axially extending groins, the head having discharge openings through said surfaces communicating with the hollow interior of the body.

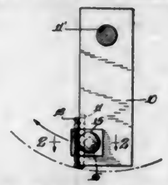
2,246,798
PRECOOLER FOR REFRIGERATOR CARS
Benjamin R. Giuliano, Fresno, Calif.
Application June 22, 1940, Serial No. 341,886
9 Claims. (Cl. 62—24)



1. Precooling apparatus including a support, a fan housing disposed above the support, a driven fan in said housing, and means mounting the housing in connection with the support for vertical adjustment, said support comprising a sled, the latter being provided with a forwardly extending pull element of substantial length.

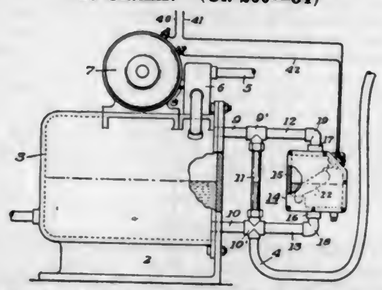
2,246,799
CUTTING TIP FOR HAMMER MILLS
John Holland-Letz, Crown Point, Ind., assignor to The Letz Manufacturing Company, a corporation of Indiana
Application June 23, 1938, Serial No. 215,381
2 Claims. (Cl. 83—11)

1. The combination with a hammer for a rotary hammer mill, a bracket secured to said hammer, a cutting member mounted in said bracket, said cutting member having a plurality of spaced apart recesses, and means carried by



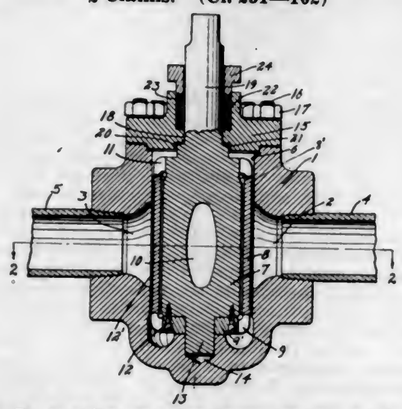
said bracket and engageable with said recesses for longitudinally adjusting said member in said bracket and for securing said bracket to said hammer.

2,246,800
LIQUID LEVEL CONTROL APPARATUS
Bernard J. Ingram, Bellevue, Pa., assignor of one-half to E. H. Haupt, Bethel Township, Pa.
Application October 17, 1939, Serial No. 299,845
10 Claims. (Cl. 200—84)



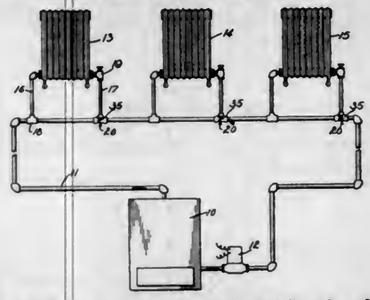
1. A liquid level control device comprising a chamber, a buoyant non-metallic vessel comprising mercury tube switch in the chamber supported to swing in an arc as the liquid level in the chamber changes, flexible wires attached to the mercury tube switch and a control circuit in which such a switch is included by means of said flexible wires.

2,246,801
VALVE
Charles F. Johnson and George G. Harrington, Houston, Tex., assignors to Reed Roller Bit Company, Houston, Tex., a corporation of Texas
Application January 9, 1939, Serial No. 249,914
2 Claims. (Cl. 251—102)



1. In a valve, a valve body having inlet and outlet openings, and a valve opening transversely of said inlet and outlet openings, a rotatable carrier within said valve opening, and a single closure member on said carrier adapted to close one of said first openings and engage substantially one-half of the inner surface of the opening in which said carrier is located, and sealing means on the outer surface of said closure member to form a sealing contact with the walls of said valve opening, said sealing means being cut away over that area of the closure member adapted to overlie the opening to be closed when the valve is in closed position.

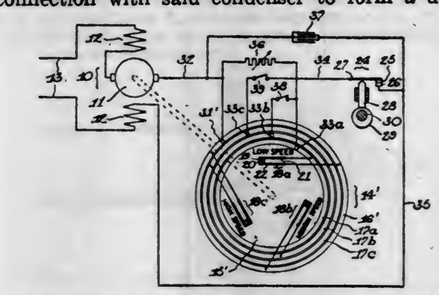
2,246,802
HEATING SYSTEM
Horace S. Kehm and Courtland G. Newton, Chicago, Ill.; said Newton assignor to said Kehm
Application May 22, 1939, Serial No. 275,044
9 Claims. (Cl. 237—59)



9. In a heating system, a plurality of radiators having inlet and outlet connections respectively to a fluid supply and fluid return, a shunt bypass between said connections of each radiator, adjustable retarder means in each radiator connection for opposing fluid flow through its bypass and determining the amount of fluid circulating through the radiator, means supporting said retarder means in said radiator connection for movement independently of its adjustment to a position in non-opposing relation to flow through the by-pass by the fluid pressure acting thereon, and resilient means cooperating with said supporting means for opposing said movement at normal pressures but enabling said movement at a predetermined increased pressure.

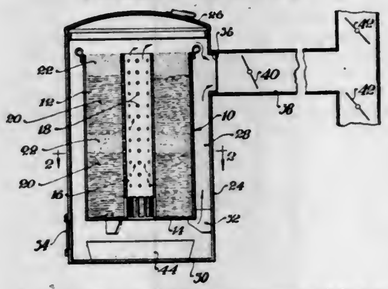
2,246,803
MOTOR SWITCH PROTECTIVE MEANS
Royal Lee, Milwaukee, Wis., assignor to Lee Engineering Research Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application June 15, 1940, Serial No. 340,706
4 Claims. (Cl. 171—222)

4. In combination, an electric motor adapted to be connected to supply conductors and having windings connected in series, a speed-responsive switch for said motor connected in series with said windings at a point between said windings, a control switch to start and stop the motor connected in series with said speed-responsive switch at a point between said windings, said windings forming choke coils to minimize electrical disturbances on the supply conductors incident to the operation of either of said switches, and spark-suppressing means for said switches comprising a condenser connected in shunt with the portion of the circuit between said windings and including both of said switches and further comprising a resistor having a shunt connection with said condenser to form a dis-



charge path for said condenser, the electrical connections between said condenser and said switches having a relatively low inductance.

2,246,804
METHOD OF SMOKING FOOD AND APPARATUS FOR USE IN CONNECTION THEREWITH
Martin Lipschutz, New York, N. Y.
Application July 16, 1938, Serial No. 219,519
6 Claims. (Cl. 99—229)



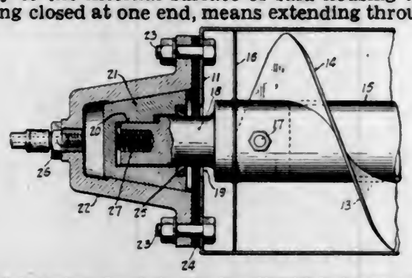
1. A device for smoking food comprising means providing a chamber for fuel, means providing a passageway through said chamber, means providing openings between said chamber and said passageway, means for delivering smoke from said passageway to the food to be smoked, and a conduit positioned to receive heat from said chamber-providing means and leading to said delivering means.

5. A method of delivering smoke from smoldering fuel in one enclosure to food in another enclosure comprising providing a supply of air, making said supply available to said fuel in said one enclosure assisting the withdrawal of the smoke from said fuel-containing enclosure by heating other air on the outer surface of the fuel-containing enclosure, and permitting the heated other air to rise and add the force of its convection to the smoke, to draw some of the first mentioned air into said one enclosure.

2,246,805
SELF-CLEANING BEARING
William B. Marshall, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 27, 1939, Serial No. 301,564
3 Claims. (Cl. 308—36.3)

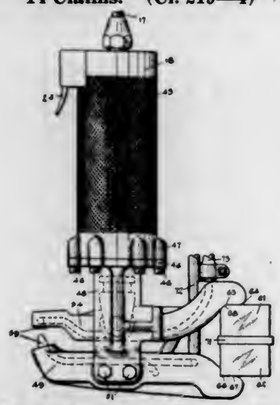
1. In a receptacle for liquids containing gritty materials, an internally-tapered bearing housing attached to said container and being closed at one end, a rotatable shaft extending into said

housing, a bushing slidably mounted on said shaft having an external surface tapered complementary to the internal surface of said housing and being closed at one end, means extending through



said housing for introducing liquid between said housing and said bushing into said receptacle and yieldable means urging said bushing into seating relation with respect to said housing.

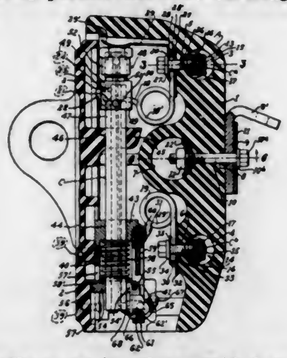
2,246,806
WELDER
William H. Martin, Detroit, Mich.
Application May 8, 1936, Serial No. 78,675
14 Claims. (Cl. 219—4)



12. In bar welding, a pair of closely adjacent current conductors, a bridging tool comprising a frame in which is located a handle forming a cylinder; a pair of contacts arranged to engage the work, one of said contacts being movable; and a piston reciprocating in said cylinder and having connections with the movable contact for pressing the contacts against the work and the conductors when fluid is turned into the fluid cylinder.

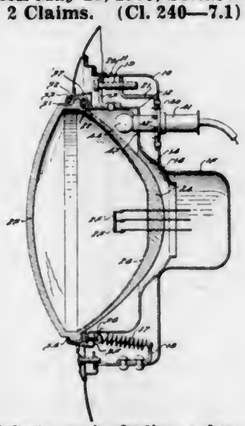
2,246,807
FUSE SWITCH
Francis J. McCluskey and George W. Goldner, St. Louis, Mo., assignors to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application May 20, 1935, Serial No. 22,411
18 Claims. (Cl. 200—114)

1. A fuse switch comprising a housing, a door for said housing movably supported thereby, a fuse cartridge slidably supported by said door and provided with a fuse link extended therethrough, latch means within said housing for retaining said door in its closed position, means for urging said fuse cartridge in a downward direction relative to said door, and releasable means held in restraint by said fuse link for preventing downward movement of said fuse cartridge, said releasable means being adapted on rupture of the fuse link to permit the fuse cartridge to move



downwardly so as to release said door from said latch means for outward swinging movement relative to said housing.

2,246,808
VEHICLE LAMP
Ian C. McKechnie, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 15, 1939, Serial No. 273,727
2 Claims. (Cl. 240—7.1)

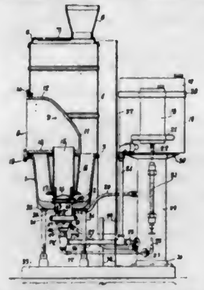


2. A vehicle lamp including a lens, a concaved reflector having a transparent body portion in edgewise light communicating relationship with respect to said lens and having a reflecting surface on its internal side, a driving light source between said lens and said reflector, a shell on the side of said reflector opposite from its reflecting surface having annular wall portions spaced from and providing an annular chamber bounded in part by an area of said body portion which is in light communicating relation to said lens, and a light source between said shell and said area of said body portion for projecting light rays into said body portion and edgewise through the latter and through the marginal part of said lens.

2,246,809
OIL BURNER
Howard W. Miller, Piqua, Ohio, assignor of one-fourth to C. F. Ridenour, Piqua, Ohio
Application April 17, 1939, Serial No. 268,164
13 Claims. (Cl. 158—91)

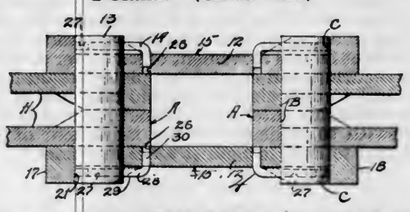
1. In a liquid fuel burner, a combustion unit

comprising a plurality of concentrically mounted pipes carrying liquid fuel of different grades, a plate secured to the outer pipe and extending transversely thereof, a pair of disks secured to the inner pipe and extending transversely thereof, said plate and disks being spaced from one another, the space between the disks being in



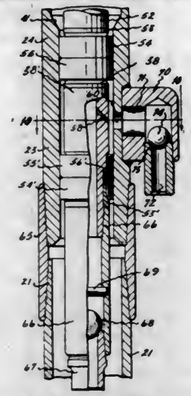
communication with the inner pipe and the space between the plate and the adjacent disk being in communication with the outer pipe, said adjacent disk having openings which permit liquid fuel to pass from the space between the plate and the adjacent disk to the space between the disks whereby each of said fuel pipes are in communication with the inter-disk space.

2,246,810
CONVEYER CHAIN
Harold Nicolai, Chicago, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application November 21, 1938, Serial No. 241,495
1 Claim. (Cl. 74—250)



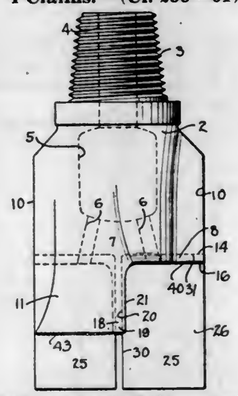
In a conveyer chain having inner and outer links each comprising a pair of identical plates, each plate having on one side a continuous plane face and having on the other side at each end a raised integral U-shaped shroud provided with plane faces parallel to said continuous plane face, there being a pin receiving bore in each plate end partially enclosed by a shroud and a key receiving aperture in the body of the plate inwardly of each bore, the plates of each said outer link being arranged with the raised shrouds directed outwardly and the plates of each said inner link being arranged with the raised shrouds directed toward each other and in contact throughout their respective U-shaped plane surfaces, and with the bores of the corresponding inner and outer link plates in alignment, means connecting and retaining said links in operative relationship comprising a headless pin extending through each set of aligned bores with the end faces of said pin flush with the adjacent U-shaped plane surfaces of an outwardly directed shroud, each pin being provided with a transverse key receiving bore at each end thereof, and a spring wire key positioned in each of said key receiving bores and having a bent end sprung into the adjacent one of said key receiving apertures in an outer link.

2,246,811
WELL FLOWING DEVICE
Herbert C. Otis, Dallas, Tex.
Application May 22, 1937, Serial No. 144,252
17 Claims. (Cl. 103—232)



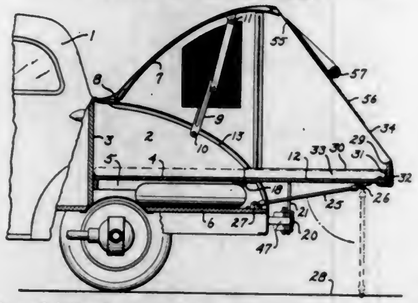
1. Well flowing and controlling means including, a well tubing, a nipple arranged to be connected in the well tubing and having a gas inlet, a removable choke mounted in the nipple and having a gas inlet to admit gas into the choke from the nipple and also having an oil inlet, and means removably mounted in the nipple below the choke for preventing fluids from the nipple back flowing down the tubing to the oil producing sand, the choke being removable independently of said latter means.

2,246,812
WELDED ON BLADE BIT
Felix L. Pivoto, Liberty, Tex.
Application September 26, 1938, Serial No. 231,646
4 Claims. (Cl. 255—61)



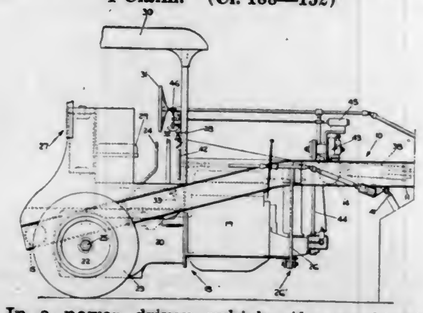
1. A welded on blade bit comprising a body, a downwardly extending wing on opposite sides of said body, said wings being parallel but in off set planes, a web connecting the inner ends of the wings so that in bottom plan view the wings and web have a Z configuration, and a blade welded on the front of each wing, said blades being of a thickness such that the front faces of the blades will lie in substantially the same transverse plane so that the cutting surface of the bit constitutes substantially a straight line on a diameter across the bit, the inner adjacent edges of said blades being spaced apart to provide a slot between the blades below said wings.

2,246,813
VEHICLE BED CONSTRUCTION
Laurence A. Preston, Houston, Tex.
Application April 3, 1939, Serial No. 265,672
1 Claim. (Cl. 296—26)



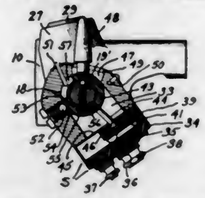
A vehicle body including upper and lower spaced decks thereon, a deck extension detachably connected to said upper deck at its rear edge and normally detached from the upper deck and resting thereon, support means on the vehicle rearwardly of the upper deck adapted to support the extension while such extension is being connected to and disconnected from the upper deck, a cover hinged to said body and normally enclosing said decks, said upper deck and extension, when opened, extending in a common plane, means on said lower deck to support the outer end of said extension, a canopy enclosure secured at one end to said body, enclosing said cover and secured at the other end to said extension, means to support said cover in open position, and a hookless fastener in the side wall to permit ingress and egress to and from said enclosure, said upper deck and extension forming a self-contained unit enclosed by said canopy.

2,246,814
HYDRAULIC BRAKE CONTROL SYSTEM
Edwin R. Rehm, Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company, a corporation of Ohio
Application December 16, 1938, Serial No. 246,100
1 Claim. (Cl. 188—152)



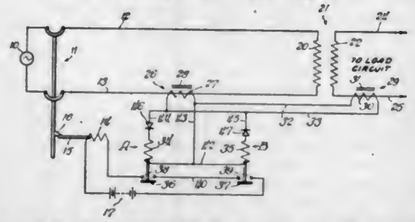
In a power driven vehicle, the combination with a vehicle frame, of a steering wheel unit therefor, a power traction unit connected to said frame and having ground engaging traction wheels, brake mechanisms one individual to each of said traction wheels, separate hydraulic means for operating each brake mechanism individually, each hydraulic means comprising a conduit connected between a foot operated hydraulic pressure device and its brake mechanism, and manually operable valves one in each conduit and within reach of the operator at his station, each valve being between its pressure device and its brake mechanism to effect locking of the latter in applied position, the construction and arrangement being such that the operator at his station can with his feet operate both or either of said hydraulic pressure devices and with his hands can operate both or either of said valves to effect the operation of both or either of said brake mechanisms and effect locking of both or either in applied positions.

2,246,815
AUTOMOBILE LOCK STRUCTURE
Ray A. Sandberg, Waukegan, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application October 14, 1940, Serial No. 361,090
2 Claims. (Cl. 70—252)



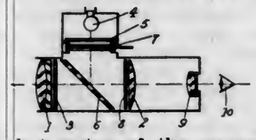
1. A lock structure of the class described comprising a housing, a locking bolt shiftable axially in said housing to locking or unlocking position, a switch on said housing, a hub in said housing receiving and rotatable on said bolt, a switch on said housing, a switch actuating pin extending from said hub for actuation of said switch when said hub is rotated, an actuating lever for said hub extending therefrom at an angle materially less than 180° with said pin, an escutcheon plate on said housing for guiding said lever and tending to prevent lateral movement of said lever and hub, pins securing said escutcheon plate to said housing, and a guide channel in said hub, one of said pins extending into said channel for cooperation therewith to guide the rotary movement of said hub and to hold it against axial movement.

2,246,816
CURRENT RESPONSIVE PROTECTIVE RELAY SYSTEM
Per N. Sandstrom, Chicago, Ill.
Application March 29, 1940, Serial No. 326,596
4 Claims. (Cl. 175—294)



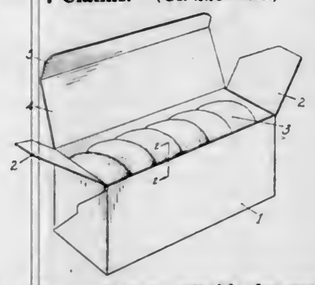
1. In a protective system for an alternating current circuit in which transient conditions are likely to occur accompanied by asymmetrical current flow, in combination, a pair of relays each including a winding and normally open contact means controlled thereby, each relay once its winding is energized by a half cycle of one polarity sufficiently to effect closure of its contact means being adapted to keep the same closed as long as such half cycles continue to flow, the contact means of said relays being connected in series circuit relation, circuit means connecting said relay windings for energization to the alternating current circuit, and a rectifier individual to each relay winding connected in said circuit means so that positive half cycles of alternating current flow through one relay winding and negative half cycles of alternating current flow through the other relay winding whereby both said contact means are operated to the closed position and a circuit therethrough is completed only on flow of predetermined amounts of current through both of said relay windings.

2,246,817
PHOTOMETER
Hans Sauer, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft, Dresden, Germany
Application October 12, 1938, Serial No. 234,705
In Germany October 18, 1937
5 Claims. (Cl. 88—23)



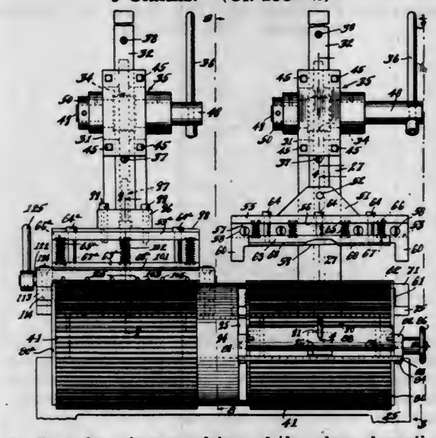
5. In a photometer of the comparison type, particularly for photographic purposes, an objective for producing in a plane spaced behind the same an image of the object to be photographed, a source of light for illuminating an area whose brightness is to be compared with that of said image, means for reflecting the light from said comparison light onto said image, and means in front of the plane in which said image appears for subdividing the reflected light beam before it reaches said plane into a plurality of separated light beams, each of which illuminates a small area of said plane, said areas appearing distributed over the entire area covered by the image of the object to be photographed, said last named means including a disc provided with perforations and of a light polarizing material mounted in front of the plane in which said image appears, and polarizing means in front of said disc and in the path of the beam of light producing said image and in the path of the light rays coming from said source of light respectively, said polarizing means causing the light rays in said two paths to vibrate in planes at a right angle to each other.

2,246,818
PACKAGE FOR FOOD PRODUCTS
Albert L. Sherwood, Kalamazoo, Mich., assignor to Sutherland Paper Company, Kalamazoo, Mich., a corporation of Michigan
Application December 29, 1937, Serial No. 182,226
7 Claims. (Cl. 229—3.1)



1. A carton container suitable for greasy food products and the like formed of fibrous-board stock having inner and outer integrated layers of paper stock fiber, the outer layer being formed of a furnish comprising 75% bleached sulphite, 25% unbleached sulphite and having between 2½ and 10% titanium oxide incorporated therewith, the container-board being waxed.

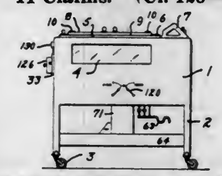
2,246,819
APPARATUS FOR PRODUCING PRINTING PLATES
Milton C. Taylor, Chicago, Ill., assignor to Partridge & Anderson Company, Chicago, Ill., a corporation of Illinois
Application June 1, 1938, Serial No. 211,241
9 Claims. (Cl. 153—2)



1. In a forming machine of the class described, coacting dies and an anvil, the dies and anvil being designed to receive the work therebetween, a curved gauge member positioned to receive the work thereon at its periphery and comprising an arcuate supporting portion, a U-shaped member enveloping said gauge, means for clamping said U-shaped member in different angular positions over the arcuate portion, and means carried by said U-shaped member to set against the printing matter of a plate to cause the coacting dies and an anvil of the machine to act on the plate parallel to the printed matter thereon.

7. An apparatus for producing arcuate printing plates comprising spaced metal sheet treating members and spaced gauging elements located beneath said members, said gauging elements having type grooves in horizontal registry and projecting laterally thereof respectively whereby the plates may be slid from one element to the other free of resetting and while maintaining the ends of the plates parallel to the printed matter thereon.

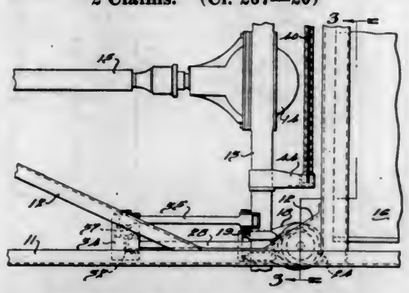
2,246,820
INFANT INCUBATOR
Thaddeus A. Taylor, Lufkin, Tex.
Application February 13, 1939, Serial No. 256,243
11 Claims. (Cl. 128—1)



3. An infant incubator comprising a cabinet having an incubation chamber and an ice cham-

ber, a humidifying pan in the bottom of said incubation chamber communicating with the bottom of the ice chamber so that the pan is adapted to receive water from within the ice chamber, and upper and lower openings between said chambers so that the atmosphere within the chambers will circulate convectionally and will contact the liquid in the pan.

2,246,821
WHEEL SUSPENSION
Chester C. Utz, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application February 10, 1939, Serial No. 255,576
2 Claims. (Cl. 267—20)



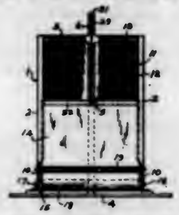
1. In a motor vehicle, the combination of a frame including side sills connected by obliquely disposed brace members; of driving road wheels disposed at opposite sides of said frame; means yieldingly supporting said road wheels for rising and falling movement with respect to said frame, said means comprising an axle housing disposed transversely of said frame and carrying said wheels; spring means supporting said axle on said frame adjacent each wheel; and a pair of parallel links pivotally connected to said axle at each side of the vehicle, each of said pairs of links being connected to said side sills and said brace members at points adjacent the connection of said brace members to said sills.

2,246,822
METHOD OF CONTROLLING THE PHYSICAL DIMENSIONS OF MOLDED HYDROCOLLOID BODIES
Walter J. van Rossem, Los Angeles, Calif., assignor to Surgident, Ltd., Los Angeles, Calif., a corporation of California
No Drawing. Application April 27, 1940, Serial No. 332,118
6 Claims. (Cl. 18—55.1)

1. The method of controlling the physical dimensions of a molded body of dental impression hydrocolloid in gel condition and having an agar-agar base, which comprises maintaining such a molded body immersed in an aqueous solution of an electrolyte which is compatible with agar-agar gels and which will restrict the swelling of such body to a value less than that to which it will swell in plain water.

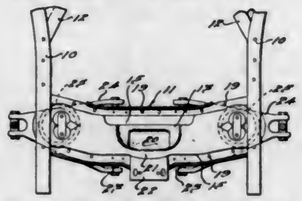
2,246,823
RADIATOR PROTECTOR
Carl J. Vollberg and Eugene A. Myers, Pittsburgh, Pa.
Application April 25, 1940, Serial No. 331,556
4 Claims. (Cl. 257—132)

1. In a protector for the radiator of a motor vehicle, the combination of a rectangularly-shaped frame secured in the vertical position to the vehicle chassis forwardly of and in proximity to the radiator, said frame embodying a pair of vertical side members, each of said side members being provided with vertically extending front and rear channels opening at the inner sides and top thereof, a screen mounted in said rear channels, a curtain roller mounted in the lower end



of said frame, a curtain engaged in said front channels and having one end thereof secured to said curtain roller, said curtain roller being spring actuated to normally wind said curtain thereon, and an operating mechanism mounted on the instrument board of the vehicle and including a cable connected therewith and with the free end of said curtain and being operable for adjusting the latter in said frame.

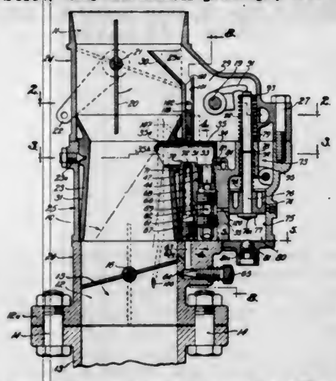
2,246,824
VEHICLE FRAME
Thomas E. M. Wheat, Highland Park, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware.
Application May 4, 1939, Serial No. 271,759
10 Claims. (Cl. 280—106)



1. In a motor vehicle frame structure including transversely spaced longitudinally extending side rails, a cross member comprising a box-like structure connecting said rails and presenting a region adapted to receive a load downwardly thereon, and an inverted V-shaped brace structure extending between opposite walls of said structure, said brace structure having the apex thereof disposed in said region.

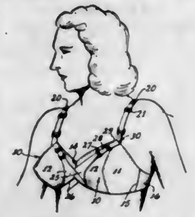
2,246,825
CARBURETOR
Edward A. Winfield, Los Angeles, Calif.
Application April 24, 1939, Serial No. 269,665
14 Claims. (Cl. 261—34)

1. In a carburetor including a fuel supply chamber, a vertically extending suction passage containing a throttle and having an air inlet and an outlet; the combination comprising, means forming an air diversion passage extending downwardly above the level of fuel in the supply chamber and through which a substantial portion of the suction passage air stream is diverted therefrom and then returned to the suction passage at an elevation above the bottom of the supply chamber without passing through said supply chamber, a vertically disposed wall extending from the side of the suction passage wall within said chamber and directly below the diversion passage, float means



in the supply chamber at opposite sides of said wall, and means for feeding fuel from the supply chamber upwardly through a passage in said wall into the air stream in said diversion passage.

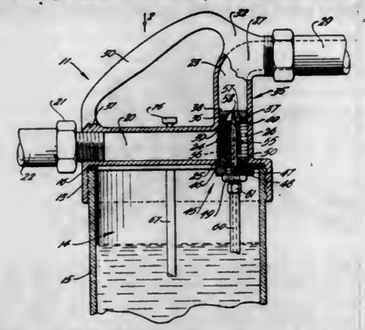
2,246,826
BRASSIÈRE
Max Witkower, Santa Monica, Calif.
Application June 26, 1939, Serial No. 281,173
1 Claim. (Cl. 2—42)



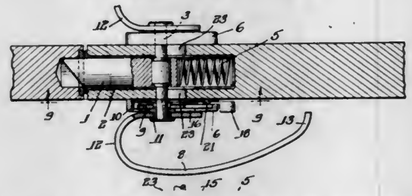
A brassière comprising: two breast pockets attached to each other; a band attached to each breast pocket and adapted to pass around the body of the wearer; means for detachably connecting the free ends of the bands together; shoulder straps attached to the breast pockets and the bands; supporting means for the breast pockets comprising a pair of straps having their lower ends overlapped, each of such overlapped ends being secured to the lower edge of the central portion of the brassière on both sides of the medial line of the brassière, said straps having their upper ends attached to the upper portion of the breast pockets; and adjustment means in said straps.

2,246,827
LIQUID FERTILIZER APPLICATOR
Clifford H. Wixom, Fullerton, Calif.
Application December 19, 1938, Serial No. 246,624
3 Claims. (Cl. 299—84)

1. In a liquid applicator a cap having means for attachment to an open topped vessel to form a closure therefor, an internally threaded duct extending directly from the cap and having an opening on at least one side, the cap having an opening leading to one end of the threaded duct, an externally threaded orifice fitting insertable through the opening in the cap and threaded into the threaded duct, a plug having an attachment to the opening of the cap, a siphon tube and a nozzle tube in direct alignment one with the other attached to the plug, the siphon tube extending into the vessel and the nozzle tube to the orifice fitting, the nozzle tube having a jet outlet located centrally as to the orifice fitting and a supply duct communicating with the open side of the said threaded duct, the threaded duct, orifice fitting and the nozzle tube providing for an annular stream of water for an injector discharge of the liquid supplied through the siphon tube.



2,246,828
DOOR LATCH
Cecil R. Wolf, Rock Falls, and Neil M. Foulds, Sterling, Ill., assignors to Frantz Manufacturing Co., Sterling, Ill., a corporation of Illinois
Application June 12, 1940, Serial No. 340,144
9 Claims. (Cl. 292—169)

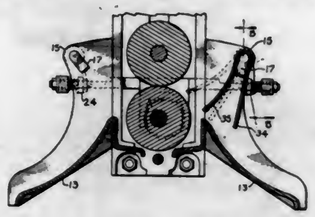


6. In a latch bolt assembly for a door or the like, a longitudinally extending casing, a latch bolt mounted in said casing for movement longitudinally thereof, longitudinally extending slots formed on opposite sides of the casing, an actuator pin comprising a relatively large central portion transversely receivable within said casing and bolt, said relatively large portion being inoperative to pass through said slots, extensions of relatively small lateral dimension projecting from said relatively large central portion and adapted to pass outwardly through said slots, at least one of said slots terminating adjacent its rear extremity in a relatively large aperture adapted to accommodate the said relatively large portion of the pin for insertion within the casing.

2,246,829
SAFETY WRINGER FEED DEVICE
Alpheus W. Altorfer, Peoria, Ill.
Application January 2, 1935, Serial No. 83
Renewed July 14, 1939
6 Claims. (Cl. 68—265)

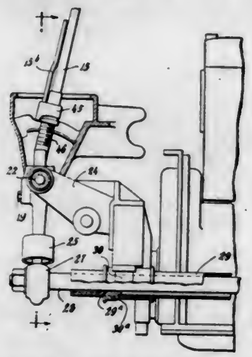
6. A wringer device including wringer rolls in superposed relation in a vertical plane, a drainboard below the bite of the rolls and having its upper edge adjacent to the surface of the lower roll, a flipper board pivoted forwardly of the

upper roll and having a surface facing the rolls, and a lower edge adapted to move closely adjacent to the apron surface and into the space between the rolls forming the bite thereof, and actuating means to oscillate said flipper board including a part disposed on an end of the flipper



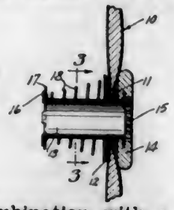
board and actionable in a plane normal to the surface of the flipper board, within the flipper board, and exposed to view only from the under side of the flipper board, and frictionally engaging the flipper board only at the ends thereof, and non-rotatable relative thereto.

2,246,830
MOTOR VEHICLE CONSTRUCTION
Benjamin B. Bachman, Philadelphia, and Donald J. Macklin, Bala Cynwyd, Pa., assignors to The Autocar Company, Ardmore, Pa., a corporation of Pennsylvania
Application November 26, 1937, Serial No. 176,488
3 Claims. (Cl. 74—476)



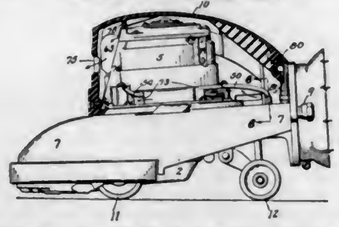
1. The combination with a gear-set having slidable shifter rods provided with jaws in superposed relation, all of said jaws being disposed in a vertical plane, of means for actuating said rods from a point remote from said gear-set, said means including a lever fulcrumed for fore and aft and lateral rocking movements on separate axes, a shaft, a selector finger rigid therewith and disposed at a right angle to the longitudinal axis of said shaft, an articulated connection between the end of said shaft and the end of said lever, whereby lateral movements of said lever will rotate said shaft to enter said finger in a jaw of a shifter rod and fore and aft movements of said lever will render said finger effective in the actuation of the rod to perform a gear-shifting operation, and means for limiting the opposite lateral movements of said lever for entering said finger in certain of the shifter rod jaws, said limiting means being capable of being rendered inoperative for increasing the range of such lateral movements of said lever, to enter said finger in one or another of the remaining shifter rods.

2,246,831
MATTRESS HANDLE
Michael Bechik, St. Paul, Minn.
Application May 20, 1940, Serial No. 336,102
3 Claims. (Cl. 5—345)



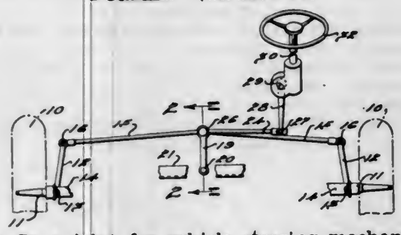
1. The combination with a flexible mattress wall, of a complete handle assembly comprising, a tubular eyelet applied through said wall and having annular end flanges clamped against the inner and outer sides of said wall, a closure for the outer end of said eyelet comprising a single finger embracing plunger having a headed outer end, said plunger working telescopically through said eyelet and having at its inner end stop means limiting the outward movement of said plunger, the head on said plunger being disc-shaped to cooperate with the material of said wall to normally enclose and obscure said eyelet and flange when limiting the inward movement of said plunger, and a spring applied around said plunger and compressed directly against said stop means and the inner side flange of said eyelet.

2,246,832
SUCTION CLEANER
Bernard C. Becker, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 24, 1937, Serial No. 165,477
2 Claims. (Cl. 15—16)



1. In a suction cleaner, a metallic main casing including a nozzle, suction-creating means including a motor supported on said casing, said motor including an enclosing casing-frame extended above said casing and formed with ventilating ports at its ends and a pair of downwardly and outwardly sloping walls upon the sides of one of said ports, a light unit positioned between said walls, and a vertically displaceable hood seated on said casing and enclosing said motor, said hood being formed with a plurality of openings through which ventilating air to and from said motor can pass and with a pair of upwardly and inwardly sloping walls arranged to abut said sloping walls on said frame-casing and to form therewith the sides of a cavity closed from the remainder of the hood interior, characterized in that one of said openings in said hood is positioned and arranged between said sloping wall portions as to permit the passage of motor-and-light-cooling air between said cavity and atmosphere and to permit light rays from said light unit to pass outwardly from said hood and forwardly of said casing across said nozzle.

2,246,833
VEHICLE STEERING MECHANISM
Paul K. Beemer, Inglewood, Calif., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Original application January 19, 1934, Serial No. 707,242. Divided and this application September 17, 1938, Serial No. 230,370
4 Claims. (Cl. 280—95)



1. In a joint for vehicle steering mechanism, the combination of a pair of tie rods; a pitman adapted to transmit steering force to said tie rods; and a link directly connecting adjacent ends of said tie rods with said pitman, said link connecting means including a body of non-metallic deformable material pivotally supporting said tie rod ends and adapted to dampen shock transmission from said tie rods to said pitman.

2,246,834
LOCKING HITCH BOLT
Lowell C. Bowman, Hillsboro, Oreg.
Application April 8, 1940, Serial No. 328,421
1 Claim. (Cl. 85—3)



In a device of the class described, comprising a threadless bolt of well-known contours, the lower portion of said bolt being bifurcated to form a groove in the stem thereof, a pin fixedly secured in transverse relation to and confined to the bifurcated portion of said stem, a trapezoidally-shaped bolt-retaining member movably disposed upon said pin and confined within said groove adapted to lock said bolt in place when desired, said bolt retaining member, when in transverse relation to the bolt, forming projections beyond the circumference of the bolt, a washer surrounding the stem of said bolt, a spring circumscribing the stem of said bolt and disposed between the head of said bolt and said washer adapted to be normally compressed, when said bolt is in locked position and a resilient element associated with said pin and said bolt retaining member adapted normally to urge and maintain the bolt retaining member in said groove and in vertical alignment with said stem.

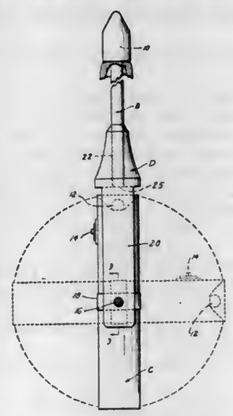
2,246,835
FEEDING DEVICE FOR SHAKER CONVEYERS
Patrick H. Burnell, Gebo, Wyo., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 17, 1940, Serial No. 319,473
11 Claims. (Cl. 198—220)

1. In a loading device for shaker conveyers, a reciprocably driven conveyer trough line, a reciprocating trough section adapted to be secured to the forward end of said trough line and be reciprocably driven thereby, a pair of spaced shoes for supporting said reciprocating trough section for reciprocable movement along the ground, an extensible trough section having a gathering shovel on the forward end thereof, said extensible trough section being mounted on said reciprocating trough section for extensible movement with respect thereto, and means operable independently of reciprocation of said conveyer trough line for extending said extensible



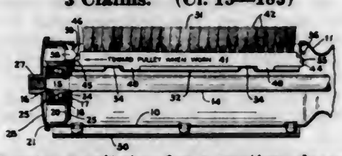
trough section with respect to said reciprocating trough section including a threaded member extending longitudinally of said reciprocating trough section, beneath the bottom thereof, power means for rotatably driving said threaded member, a nut mounted on said threaded member and guided for movement along the underside of said reciprocating trough section, and a connection from said nut to said extensible trough section for causing said extensible trough section to move relative to said reciprocating trough section upon rotation of said threaded member.

2,246,836
ILLUMINATED STICK OF UMBRELLA
Anna L. Campbell, Philadelphia, Pa.
Application November 25, 1940, Serial No. 367,097
2 Claims. (Cl. 240—6.42)



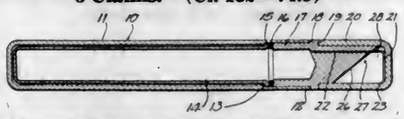
1. An illuminated umbrella comprising a stick of methyl methacrylate acid resin product for transmitting light rays, a tip of molded methyl methacrylate acid resin, a pair of spaced arms of methyl methacrylate acid resin, each arm having a concave inner surface, an illuminating unit positioned between said spaced arms whereby said illuminating unit is rotatable to any position, a band fastened about said illuminating unit, bearings attached to said band and passing through said spaced arms, said concave inner surfaces of said spaced arms grasping said illuminating unit, and said illuminating unit being rotatable to any position on said bearings attached to said band, said illuminating unit being adapted to have its rays of light pass through the methacrylate acid resin product and tip for the purpose of conveying the rays of light therein.

2,246,837
SUCTION CLEANER
Vernon E. Carlson, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 23, 1939, Serial No. 310,743
3 Claims. (Cl. 15—183)



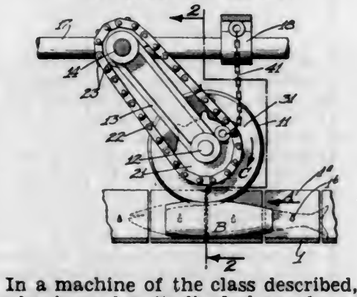
1. A rotary agitator for a suction cleaner comprising a cylindrical body adapted for rotation about its major axis, an helically extending brush seat in said body, a radially removable reversible brush element in said seat extended therefrom and including a rigid back and brush bristles positioned therein, brush-height determining means comprising cooperating rigid abutment elements on the bottom of said seat and said back arranged to be in alignment and in contact in one position of said element in said seat and out of alignment and contact in a reversed position of said element in said seat, and cooperating means on said body and said element to retain said element against outward radial displacement from said seat.

2,246,838
FLUID FOUNTAIN DEVICE
John Warren Castino, River Forest, Ill.
Application September 23, 1939, Serial No. 296,266
3 Claims. (Cl. 132—74.5)



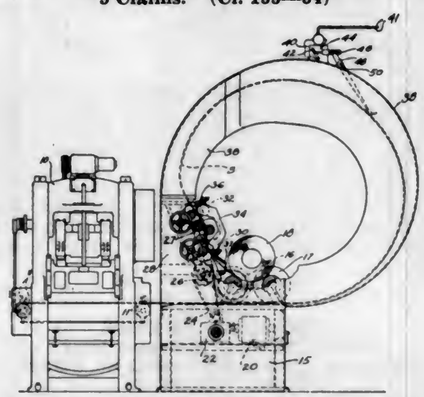
1. A container, a shell for said container having an enlarged bore at the open end thereof forming an annular shoulder, a ferrule on the open end of said container normally seated on said shoulder, a compression washer, and a bored fount inserted in said shell bore for holding said ferrule between the washer and said shoulder.

2,246,839
MEANS FOR CUTTING FISH
Andrew L. Christiansen, Willowbrook, Calif.
Original application April 1, 1935, Serial No. 14,052. Divided and this application December 6, 1937, Serial No. 178,201
4 Claims. (Cl. 17—4)



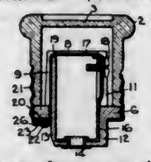
1. In a machine of the class described, a conveyor having a longitudinal channel open at its top adapted to receive and convey fish on their backs, and a vertically shiftable cutter extending into said channel for splitting the bellies of fish therein, said cutter having a wide shoulder spaced backwardly from the cutting edge of the cutter a distance substantially equal to the thickness of the belly walls to be split, and so positioned as to ride directly upon the fish and limit the cut through the belly walls, said cutter being mounted sufficiently sensitive so as to be raised and lowered by the fish advanced by the conveyor.

2,246,840
APPARATUS FOR HANDLING METAL STRIP
Edward V. Crane, Brooklyn, N. Y., and Alvin F. Groll, Toledo, Ohio, assignors to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application November 22, 1937, Serial No. 175,872
5 Claims. (Cl. 153—54)



1. In a machine of the class described, means to support and feed a roll of coiled metal, said metal having taken a permanent curvature in coiling, straightening means immediately adjacent said support to receive metal from said roll, and means surrounding said roll to confine and guide metal straightened by said last means in a loop having a radius sufficiently great to prevent the metal from again taking a permanent set.

2,246,841
REFILL FUSE PLUG
John Cree, Hamilton, Ontario, and Frank Corlett, Crowland, Ontario, Canada, assignors of one-third to Earle T. Bradfield, Hamilton, Ontario, Canada
Application September 22, 1938, Serial No. 231,240
6 Claims. (Cl. 200—130)

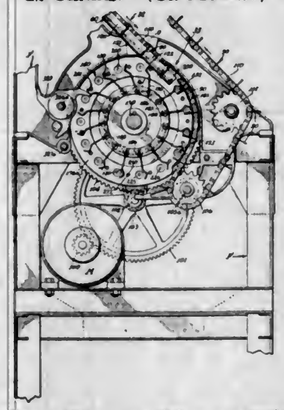


1. A refill fuse plug comprising an externally threaded hollow body of insulating material open at one end, a hollow fuse element carrying capsule of insulating material open at one end and having a peripheral flange extending therearound intermediately of its length with a fuse element receiving slot therethrough in proximity to the outer wall of the capsule, the open ended portion of the capsule being inserted into the body with the flange abutting the open end thereof, a contact post extending longitudinally in the interior of the capsule, a central contact extending through the outer end of the capsule and secured to one end of the contact post, a continuous integral fuse element detachably secured at one end to the other end of the contact post and extending diametrically across the open end of the capsule and downwardly along its outer wall with the other end of such continuous integral fuse element protruding through the slot in the flange and bent outwardly against the lower surface of such flange, a screw threaded shell of conducting material with an inwardly turned flange defining a central opening receiving the outer portion of the capsule, said shell being screwed onto the screw threaded body with its flange in abutment with the flange on the capsule and such screw threaded shell flange making electrical contact with but mechanically unsecured to the outwardly bent end of the fuse element lying against the flange of the capsule, and means for locking the screw threaded shell against rotation relatively to the body only when the plug is being unscrewed from the screw threaded shell of a fuse block or holder.

2,246,842
PROCESS FOR BREAKING PETROLEUM EMULSIONS
Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Application June 27, 1940, Serial No. 342,732
10 Claims. (Cl. 252—344)

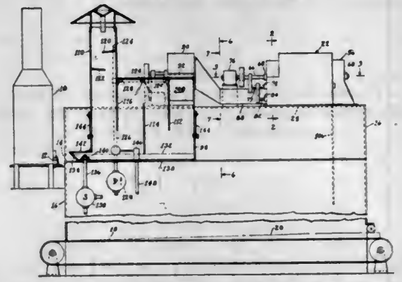
1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifier comprising a surface-active positive ion-containing amine characterized by the fact that there is directly linked to an amino nitrogen atom at least one hydrocarbon radical containing the carbon atom chain of an acyl radical of a detergent-forming monocarboxy acid having more than eight carbon atoms and not more than thirty-two carbon atoms; said amine being further characterized by freedom from acyl radicals, nitrogen-linked aryl radicals and aliphatic radicals in which ether linkages occur at least three times.

2,246,843
AUTOMATIC OLIVE PITTING MACHINE
Edward P. Drake, Los Angeles, Calif., assignor to Lindsay Ripe Olive Company, Lindsay, Calif., a corporation
Application December 13, 1938, Serial No. 245,431
12 Claims. (Cl. 146—27)



1. An olive pitting machine comprising a pair of drums on a common axis, means to rotate the drums, a plurality of olive receiving dies on one drum and pit punches on the other drum, means to deliver and position a continuous bulk supply of olives one at a time at intervals coinciding with the rotary travel of the dies and punches and with the longitudinal axes of the olives in alignment therewith, and cam means to reciprocate the dies and punches with opposite motions to remove the pits from the olives.

2,246,844
APPARATUS FOR SEPARATING PRODUCTS FROM MINERAL WOOL BLOW CHAMBERS
Daniel C. Drill, Wabash, Ind., assignor to American Rock Wool Corporation, Wabash, Ind., a corporation of Indiana
Application September 30, 1937, Serial No. 166,700
4 Claims. (Cl. 183—34)

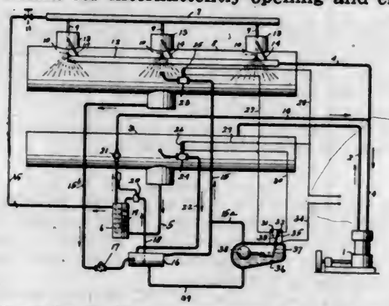


1. In apparatus of the character described, an elongated mineral wool blow chamber having side, front, rear, top, and base enclosure portions, an inlet opening in said rear enclosure portion to receive a commingled blast of gaseous fluid and newly formed mineral wool fibers, a baffle athwart the interior of said chamber extending to said side and top enclosure portions and spaced near to but apart from said front and base enclosure portions and a gaseous fluid outlet in front of said baffle through which said gaseous fluid may pass out of said chamber, a separator fan outside said chamber, a housing enclosing said fan, a conduit connected to said housing and to said gaseous fluid outlet to receive said gaseous fluid and the mineral wool in gaseous suspension from said chamber, a mineral wool discharge conduit connecting said housing with said blow chamber and communicating with said chamber through the top thereof to the rear of said baffle for discharging mineral wool from said housing into said blow chamber, said housing being also provided with a gaseous fluid discharge outlet through which said fluid may pass out of said housing.

2,246,845
FLUID LIFT PUMPING ATTACHMENT FOR FLUID CIRCULATING SYSTEMS
Aldo E. Durden, Houston, Tex.
Application February 26, 1938, Serial No. 192,771
9 Claims. (Cl. 62—115)

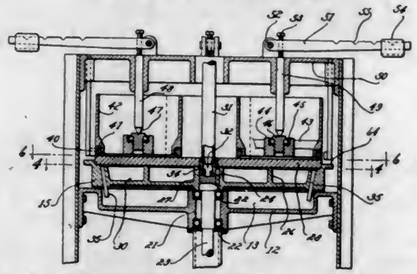
1. In combination with a closed refrigerating system of the expansion type having a compressor, condenser and cooling tank in which expansion of the high pressure refrigerant takes place, a drain conduit leading from the cooling tank adapted to drain condensed lubricating oil from the tank, valves in the drain conduit, an accumulator connected to the conduit for collecting the condensed lubricant, means for forcing the lubricant from the accumulator tank to the compressor including a pressure conduit connecting the accumulator to the high pressure refrigerant, a valve in said pressure conduit,

and means for intermittently opening and clos-



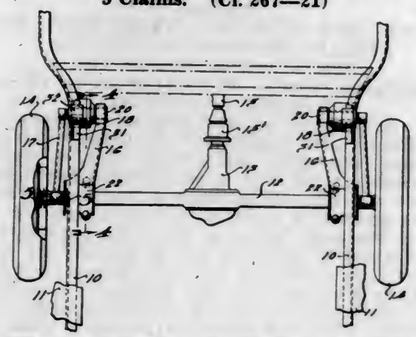
ing the valve in the pressure conduit and one of the valves in the drain conduit.

2,246,846
MULLING MILL
Daniel E. Hennessy, Leominster, Mass.
Application January 31, 1940, Serial No. 316,550
4 Claims. (Cl. 83—45)



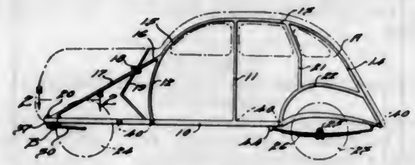
1. A mulling mill comprising a mulling disk, means for revolving the disk upon a vertical axis, a plurality of paste retaining cups, each bearing an annular muller upon its lower surface in face contact with the disk, an arm pivotally carried above each of the cups, a weight adjustably mounted on each arm, a rod extending from each arm into one of the cups, and a universal bearing between each rod and its respective cup.

2,246,847
SUSPENSION MECHANISM
Alexander G. Herreshoff, Grosse Pointe, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application November 10, 1939, Serial No. 303,840
5 Claims. (Cl. 267—21)



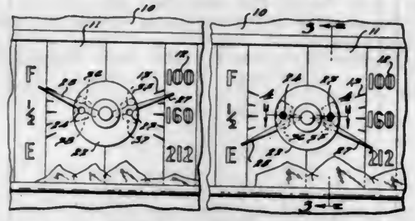
1. In a suspension mechanism for a vehicle having a frame and an axle, means for mounting said axle on said frame for rising and falling movement relative thereto comprising an arm pivoted at one end on said frame, the pivotal connection thereof including a mass of rubber adapted to be placed in torsion by pivotal movement of said arm; a socket on the other end of said arm surrounding said axle but spaced therefrom; and a mass of rubber disposed between said socket and said axle and fixed respectively thereto.

2,246,848
MOTOR VEHICLE
Harold A. Hicks, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application October 3, 1938, Serial No. 232,933
5 Claims. (Cl. 296—28)



2. A chassisless motor vehicle comprising, in combination, a rigid truss-like body structure extending approximately the length of the vehicle, front and rear ground wheels, and articulating support means operably connecting each of said wheels with said body structure, each of said front wheel support means accommodating rising and falling wheel movements independently of the remaining wheels and including a body of rubber subjected to shear when the connected wheel strikes an obstruction in the roadway.

2,246,849
INDICATING INSTRUMENT
James H. Hough, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application June 9, 1939, Serial No. 278,251
10 Claims. (Cl. 116—129)



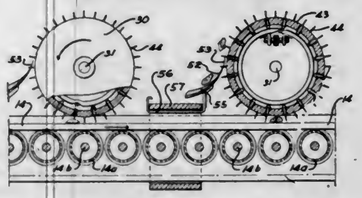
10. An indicating instrument comprising a movable pointer, a shield positioned in front of said pointer and provided with an indicating opening adjacent a portion thereof, a patch of colored material at the other side of said portion of said pointer and adjacent said indicating opening, and means to illuminate said patch of colored material, said portion of said pointer being of such size and shape relative to the size and shape of said indicating opening and being so positioned with respect thereto as normally to prevent viewing of said patch through said indicating opening and to permit progressively increasing viewing of said patch through said opening as said pointer approaches a position at which attention should be attracted thereto.

2,246,850
FISH LURE AND METHOD OF MAKING THE SAME
Roy L. Housberg, Webster County, Iowa
Application April 26, 1940, Serial No. 331,762
3 Claims. (Cl. 43—45)



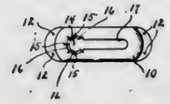
1. In a fish lure, an elongated inverted downwardly curved spoon member, a depression in the upper forward end of said spoon member, and a heavy material in said depression for providing weight at the forward end of said spoon member.

2,246,851
SEPARATING DEVICE
Harvey A. Jordan, San Antonio, Tex.
Application March 10, 1939, Serial No. 260,926
7 Claims. (Cl. 209—109)



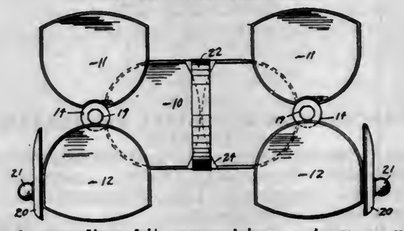
1. A separating device for separating the broken shells from the meats of nuts including, a support, a travelling conveyor mounted in the support and adapted to receive the shells and nuts to be separated, a plurality of rotatable drums immediately above the conveyor and extending transversely thereof, each drum comprising a shell having a plurality of radially extending openings therein, a plurality of pins slidable in said openings, a plurality of elastic rings within the shell engaging the inner ends of the pins to normally hold said pins in an extended position, and means for adjusting the rings to vary the force which said rings exert against the pins to vary the force necessary to depress said pins inwardly of the shell.

2,246,852
SNAP FASTENER
Raymond B. Kale, Des Moines, Iowa
Application October 30, 1939, Serial No. 302,014
1 Claim. (Cl. 24—224)



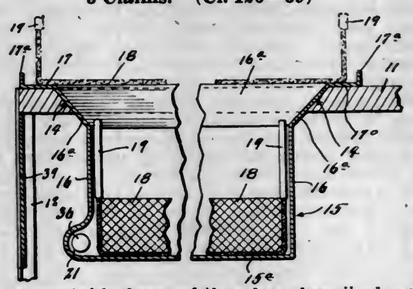
In a device of the class described, an elongated inverted cup member having a circular opening in its bottom and an elongated straight slot opening in its bottom communicating with the circular opening, and spring finger elements integrally formed on said inverted cup member forming the circumference of said circular opening and extending first inwardly and downwardly and then downwardly and outwardly; said circular opening designed to receive an enlarged circular headed element.

2,246,853
MENDING KIT
Andrew S. Martin, Salem, Ohio
Application May 15, 1940, Serial No. 335,304
4 Claims. (Cl. 312—152)



1. A mending kit comprising a tray, a plurality of legs on said tray together with a handle for the same, a plurality of secondary trays positioned above the said tray, the said secondary trays arranged in pairs, each of the said pairs of secondary trays pivoted to a common axis, gear means positioned at the said axis adapted to reverse motion imparted to one of the secondary trays so as to effectively move the other of the pair of secondary trays in the opposite direction.

2,246,854
PORTABLE UTILITY FRYER
William A. Meletio, St. Louis, Mo.
Application January 23, 1939, Serial No. 252,347
3 Claims. (Cl. 126—39)



1. A portable fryer of the class described comprising a table having its top formed with an oblong opening, an open topped oblong tank arranged within said opening, laterally and outwardly disposed flanges fixed on the upper end of said tank and overlying said top, an upright marginal flange formed integral with each lateral flange and extending above said top, an oblong reticulated basket removably placed in said tank, said basket being adapted to be placed transversely of said tank with the ends of its bottom resting on the longitudinal lateral flanges of said tank to facilitate drainage, and means for heating said tank.

2,246,855
APPARATUS FOR THE PRODUCTION OF MUSIC
Benjamin F. Miessner, Millburn Township, Essex County, N. J., assignor to Miessner Inventions, Inc., a corporation of New Jersey
Application July 17, 1936, Serial No. 91,092
Renewed March 8, 1940
7 Claims. (Cl. 84—1.14)

1. In a musical instrument including a reed-block and a reed secured thereon the combination of a reed-housing provided with a cell having a resilient surface along which said reed-

block slips in insertion into said cell, and conductive means carried on said surface and adapt-



ed to be contacted by said reed-block upon said insertion thereof.

2,246,856
PROCESS FOR RESOLVING PETROLEUM EMULSIONS

Louis T. Monson, Alhambra, and William Wallace Anderson, Montebello, Calif., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

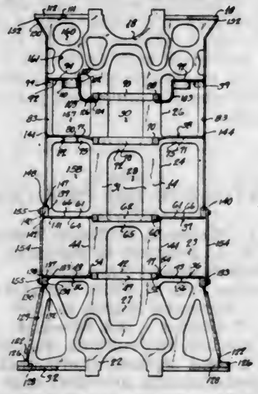
No Drawing. Application November 26, 1940, Serial No. 367,222
16 Claims. (Cl. 252—341)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifying agent comprising a mixture of: (A) an acylated amino-ether containing: (*a*) a radical derived from a basic hydroxyamino-ether, and said radical being of the kind containing at least one amino nitrogen free from attached aryl and amido-linked acyl radicals; said hydroxy amino-ether radical being further characterized by the presence of at least one radical derived from a basic hydroxyamine and being attached by at least one ether linkage to at least one radical selected from the class consisting of glycerol radicals, polyglycerol radicals, polyglycol radicals, basic hydroxy amine radicals, amido hydroxy amine radicals, and aryl alkanolamine radicals; said basic hydroxyamino-ether radical being characterized by containing not over 60 carbon atoms; and (*b*) an acyl radical derived from a detergent-forming monocarboxy acid having at least 8 carbon atoms and not more than 32 carbon atoms, said acylated amino-ether being additionally characterized by the fact that said aforementioned acyl radical is a substituent for a hydrogen atom of an alcoholic hydroxyl radical; and (B) a blown fatty oil, the ratio of A to B being within the limits of 9:1 and 1:9.

2,246,857
ENGINE FRAME CONSTRUCTION

James W. Owens and Hans Davids, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois

Application August 28, 1939, Serial No. 292,231
15 Claims. (Cl. 123—195)

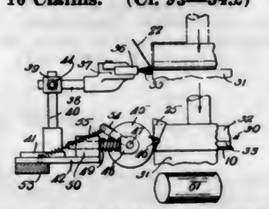


1. A fabricated frame structure for a vertical multicylinder engine, including a plurality of spaced vertical plates, each provided with a plurality of apertures, a plurality of deck-forming plates, extended through the apertured portions of the vertical plates, certain of the deck-forming plates being apertured to receive engine cylinder structures between adjacent vertical plates, and members for completing the lateral closure of the frame structure, the plates being permanently metallically united for assembly, and the closure members being metallically united to the adjacent plates.

2,246,858
BOX COVERING MACHINE

Charles A. Phelps, Salem, Mass., assignor to Parker Brothers, Incorporated, Salem, Mass., a corporation of Maine

Application January 18, 1940, Serial No. 314,396
10 Claims. (Cl. 93—54.2)

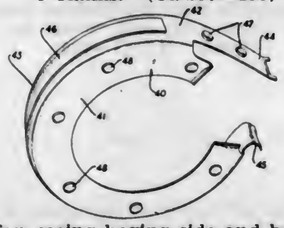


1. A machine for covering a hexagonal box with a cover blank having three diametrically opposed pair of flaps adapted to be secured to the side walls of the box, said machine comprising a pair of movable forms between which the box to be covered is clamped, and a plurality of covering instrumentalities past which the box with its blank is carried by said forms, said instrumentalities including three pair of successively operating rollers, each pair acting to smooth a pair of flaps of the cover blank against diametrically opposed side walls of the box, and ears mounted upon one pair of rollers by which ear tabs carried by the flaps smoothed by the rollers are wiped into contact with adjacent side walls of the box.

2,246,859
FAN CASING

Frank L. Pierce, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application July 11, 1938, Serial No. 218,519
3 Claims. (Cl. 230—133)

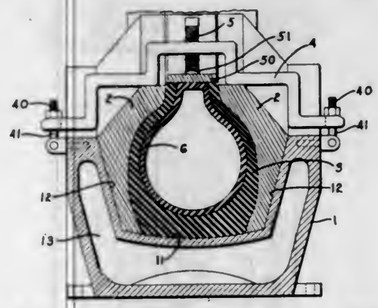


1. A fan casing having side and bottom walls defining a fan chamber for a fan adapted to expel dirt laden air therefrom, and a fan casing liner disposed along portions of the inner surfaces of said fan casing walls, said fan casing liner having a thickened portion extending from its inner surface inwardly of said fan casing walls to provide additional thickness for resisting wear from the dirt circulated by the fan and impacting against said fan casing liner.

2,246,860
TIRE PATCH MOLD

James R. Richards, Seattle, Wash.

Application June 4, 1938, Serial No. 211,858
4 Claims. (Cl. 18—18)

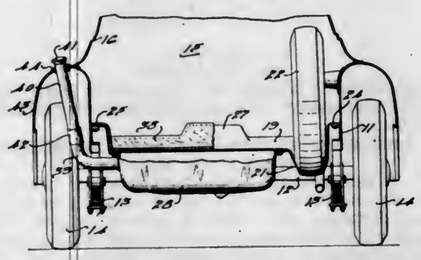


2. A mold for use in patching tires, said mold comprising a channel element to accommodate a section of a tire to be patched, said channel element having a bottom and sides, said sides being spaced apart a distance greater than the width of a tire to be patched so that when a section of a tire is disposed in said channel element with its tread resting upon the bottom of said channel element a space exists between at least one side thereof and the adjacent side of said channel element, and a side plate disposed in said space with its outer face against said side of said channel element and its inner face against the side of the tire, the inner face of said plate conforming in contour to the side of the tire and said plate being of a height such that its inner face engages the side of the tire substantially from the tread substantially to the bead thereof, the inner face of said plate engaging the side only of the tire and the inner face of said side of said channel element being inclined downwardly and inwardly from its top substantially to its bottom and said plate having its outer face correspondingly inclined whereby said plate may be inserted by straight line movement downwardly into said space after the tire section to be patched has been placed in said channel element and whereby insertion of said plate results in the same being urged inwardly against the tire.

2,246,861
BODY CONSTRUCTION

Frederic W. Slack, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application April 27, 1939, Serial No. 270,270
6 Claims. (Cl. 296—37)

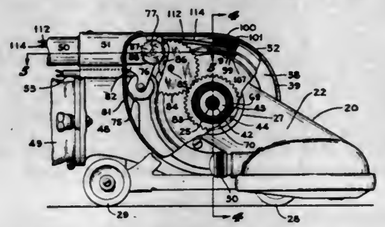


1. In a fuel tank construction for vehicles and the like a dished bottom member having an outwardly turned marginal flange around its upper edge and a substantially flat top member having a downwardly offset marginal flange around its edge, said flanges being welded together to form a closed tank having an outwardly extending downwardly offset, marginal flange around the top thereof; a floor panel having an opening to receive said tank and a downwardly offset marginal ledge portion surrounding said opening; said flange adapted to seat on said ledge; and means for fastening said tank to said floor disposed in the channel formed by said downwardly offset flange and ledge respectively.

2,246,862
SUCTION CLEANER

Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application August 6, 1937, Serial No. 157,701
21 Claims. (Cl. 15—16)

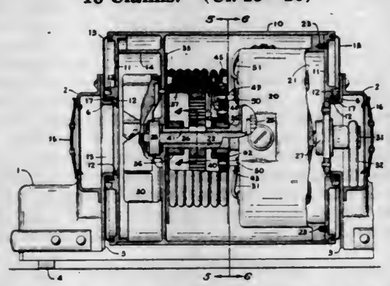


1. A suction cleaner, comprising an ambulatory body, a casing rotatably supported by said body, a motor supported in said casing, a handle rigidly carried by said casing, an electric cord slidably carried by said handle, a cord reel disposed between said casing and motor and rotatable with respect to the latter to take up said cord, means for rotating said reel, and contact means for electrically connecting said cord with said motor.

2,246,863
SUCTION CLEANER

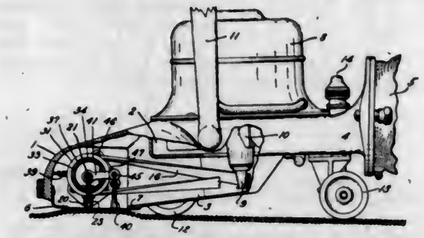
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio

Application December 10, 1937, Serial No. 179,096
18 Claims. (Cl. 15—16)



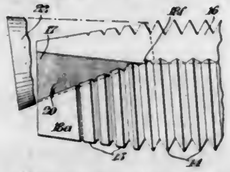
1. In a suction cleaner, an ambulatory chassis, a handle pivoted on said chassis, a driving motor including a rotor and a stator, the rotational axis of said motor extending in the direction of the pivotal axis of said handle, a cord take-up comprising a reel positioned at the side of and within the peripheral dimensions of said motor and independently rotatable about said motor axis, means to rotate said reel, and a cord wound on said reel, electrically connected to said motor and extended along said handle.

2,246,864
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 27, 1938, Serial No. 216,072
19 Claims. (Cl. 15—6)



1. In a suction cleaner, a body, a rotatable mass, means resiliently supporting said mass for rotation on said body upon an axis eccentric to the center of mass of said rotatable mass, an agitating element rotatably connected to said rotatable mass eccentrically relative to the axis of rotation of said mass, the eccentricities of said center of mass and said element being oppositely displaced sufficiently to counterbalance in the rotation of said mass at operative speed, and means to rotate said mass at its operative speed.

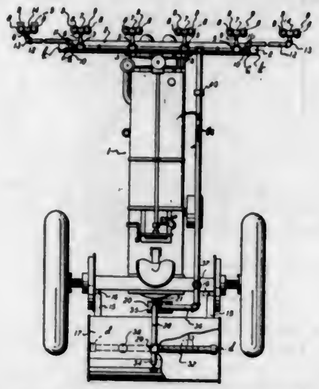
2,246,865
METHOD OF FORMING TAPS
Glen H. Stimson, Royal Oak, Mich., assignor to Greenfield Tap and Die Corporation, Greenfield, Mass., a corporation of Massachusetts
Original application April 27, 1938, Serial No. 204,489. Divided and this application November 27, 1939, Serial No. 306,274
1 Claim. (Cl. 51—288)



A method of forming flutes in a tap which comprises cutting a main flute along the tap and a gun flute extending downwardly from the main flute to the entering end of the tap, and abrading the gun flute surface by means of a conical abrading wheel positioned with its base adjacent the end of the tap and forming the gun flute at progressively increasing diameters toward the end of the tap and having its surface at a substantially constant angle to the radii extending from the tap axis to the apices of the end teeth of the tap so that the angles of rake of said teeth along said gun flute are substantially the same.

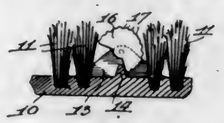
2,246,866
SPRAYING APPARATUS FOR TRACTORS
Reed T. Stribling, Imperial, and Alton E. Simmons, Fort Stockton, Tex.
Application August 12, 1938, Serial No. 224,476
2 Claims. (Cl. 299—30)

1. In a spraying attachment for tractors including a tank and a pump and having an agitator for the contents of the said tank, a spray bar assembly comprising a discharge pipe extending from the said tank, a rigid spray pipe connected to the said discharge pipe and having spray nozzles arranged therealong, an angle bar horizontally arranged on the said tractor adapted to support the said spray pipe and extending beyond the ends thereof, extension pipes pivotally con-



nected to the ends of the said spray pipe at such points removed from the ends of the said angle bar that each of the said extension pipes is horizontally supported thereby in both their extended and folded positions and spray nozzles connected to the outer ends of the said extension pipes.

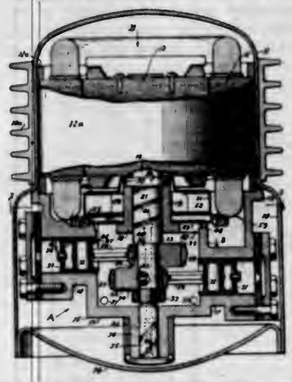
2,246,867
TOOTHBRUSH
Arthur J. Thomas, Los Angeles, and Manley K. Nash, Hollywood, Calif.
Application June 22, 1940, Serial No. 341,860
1 Claim. (Cl. 15—110)



In a tooth brush, the combination with an integral handle and body member, and tufts of bristles projecting from the under side of said body member, of a pair of walls formed on the under side of the forward portion of said body member, a pin having its ends journalled in said walls, a segmental body of soft, flexible material carried by said pin, a transverse rib on the body member between said walls for limiting the rotary movement of said soft, flexible member and the curved periphery of which soft, flexible member is transversely corrugated.

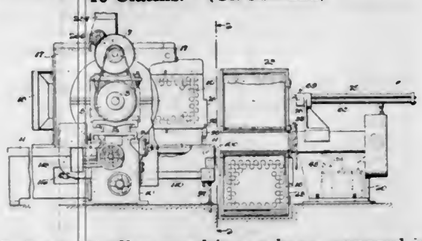
2,246,868
COMPRESSOR
Allen Trask, Chicago, Ill., assignor to Mills Novelty Company, Chicago, Ill., a corporation of Illinois
Application April 11, 1938, Serial No. 201,272
16 Claims. (Cl. 230—206)

1. A hermetically sealed compressor comprising, in combination, an outer housing, a motor shaft disposed on a vertical axis, a cylinder disposed on a horizontal axis, a piston in the cylinder including a skirt portion, a bearing projecting above the level of said cylinder, in which the shaft is journaled, means for feeding oil to said bearing, and means for directing the oil that escapes from said bearing to a point from which it will flow by gravity across the end of the wall of



said cylinder into contact with the rear extremity of the skirt of said piston.

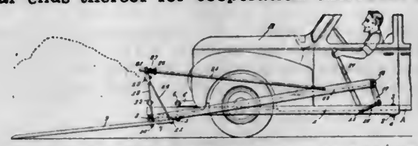
2,246,869
GRINDING MACHINE
Harry P. Troendly, Chicago, Ill., and Amos B. Rumsey and Joseph Bohm, Beloit, Wis.; said Rumsey and said Bohm assignors to Gardner Machine Company, South Beloit, Ill., a corporation of Illinois, and said Troendly assignor to Associated Spring Corporation, Bristol, Conn., a corporation of Delaware
Application February 23, 1939, Serial No. 258,024
40 Claims. (Cl. 51—114)



7. In a grinding machine, a base, opposed annular grinding elements mounted on said base for movement toward each other, fluid pressure operated means connected to said elements for effecting such movement, a valve controlling the supply of operating fluid to said means, a rotatable cam associated with said valve for operating the same, a member movable linearly with said elements, a crank connected to be operated by movement of said member, and means operably connecting the crank and said cam, whereby movement of said elements causes said cam to operate said valve.

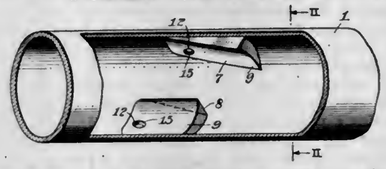
2,246,870
MOTOR VEHICLE SWEEP RAKE ATTACHMENT
George K. Turner, Eagle Nest, N. Mex.
Application January 22, 1940, Serial No. 315,115
1 Claim. (Cl. 56—27)

A sweep rake attachment for a motor vehicle, comprising a pair of supporting beams to be fixed to the vehicle upon opposite sides thereof and for disposal forwardly therefrom, raking means including a sill, a rock shaft for the raking means and the teeth of the latter being fixed to the shaft forwardly of the sill, said shaft being mounted at the forward ends of the beams for rocking movement of the raking means, guard means rising from the rear end of the raking means, levers having their forward ends mounted on the shaft for pivotal movement and bearing against the upper surface of the sill, rods having their forward ends slidably mounted through the top of the guard means and resiliently connected thereto, said rods being pivotally connected to the levers adjacent to the rear ends thereof for cooperation therewith for



raising and lowering the raking means, a crank shaft including arms at the ends thereof and bridging and mounted for rocking movement in and through the beams adjacent their rear ends to underlie the vehicle and for disposal of the arms laterally of the latter, links connecting the arms to the rear ends of the levers, a handle fixed to the crank shaft for operating the same, and one of said beams having a pair of notches therein for receiving the handle for holding the raking means in either raised or lowered position.

2,246,871
METHOD OF AND MEANS FOR INTRODUCING EDIBLE SEMISOLIDS TO ICE CREAM
Gerald G. Balch, Pittsburgh, Pa.
Application November 7, 1939, Serial No. 303,330
5 Claims. (Cl. 107—54)

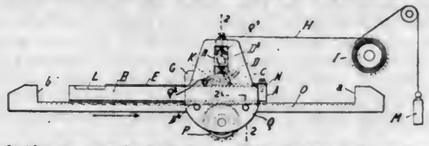


1. The method of introducing edible material to a mass of ice cream comprising advancing a mass of frozen ice cream mix along a defined path, forming spirally extending grooves along the advancing mass of frozen mix at points spaced from each other circumferentially thereof, grooves with edible material contrasting with the mix to form streaks of edible material extending longitudinally of the frozen mass and spirally about the same, continuing movement of the frozen mass through the conduit to set the applied material, and discharging the frozen mass and the edible material applied thereto into a container to fill the container with a mass of frozen ice cream mix having the applied material irregularly distributed therein.

2,246,872
METHOD AND APPARATUS FOR MANUFACTURING THIN GELATINOUS COATINGS
Serge Virgile Beaune, Creteil, France, assignor to Société des Procédés Serge Beaune, Creteil, Seine, France
Original application September 23, 1935, Serial No. 41,800. Divided and this application February 25, 1937, Serial No. 127,784
4 Claims. (Cl. 91—18)

1. A method of manufacturing a thin, gelatinous removable coating, having a thickness of not more than 2.5 millimeters for use in printing ap-

paratus, which comprises depositing a quantity of plastic gelatinous material on a smooth rigid surface, arranging fabric sheet material over the gelatinous material and thereafter spreading the



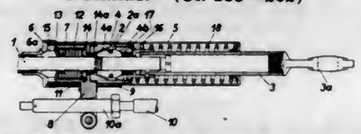
gelatinous material in a thin layer of uniform thickness over the smooth rigid surface and simultaneously maintaining one face of the fabric into adhering engagement with the material being spread.

2,246,873

DOUBLE-ACTING SLACK ADJUSTER FOR BRAKES

Bert Henry Browall, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a corporation of Sweden

Application October 3, 1940, Serial No. 359,623
In Germany August 8, 1939
3 Claims. (Cl. 188—202)



1. A double-acting slack adjuster for brakes of the character described, comprising a brake rod divided into two parts movable axially in relation to each other in one direction for increasing and in the other direction for reducing the slack, one of said brake rod parts being in the form of a spindle, a coupling member and an adjusting member carried on said spindle, said coupling member being movable axially in both directions and said adjusting member in the slack reducing direction only on said spindle, means for yieldingly supporting said adjusting member in the slack increasing direction against the other brake rod part, means capable of coaction with said coupling member for locking it on said spindle in the slack increasing direction, means capable of coaction with said coupling member for locking it on said spindle in the slack reducing direction, and means operable in dependence on the movement of the brake at application and release thereof for so controlling the coaction of both said locking means with said coupling member that locking of said coupling member on said spindle in the slack increasing direction takes place during application of the brake in a position thereof corresponding to the desired value of the slack and locking of said coupling member on said spindle in the slack reducing direction takes place when the brake during release of the same passes said position.

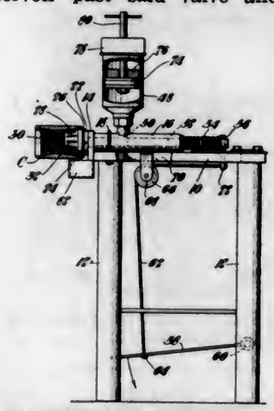
2,246,874

GREASING DEVICE FOR THREADED ARTICLES

Alfred Burge, Mount Lebanon, Pa., and Alvin H. Engelhardt, Lorain, Ohio, assignors to National Tube Company, a corporation of New Jersey

Application June 27, 1939, Serial No. 281,464
6 Claims. (Cl. 221—47.4)

1. A device for applying grease to interiorly threaded articles comprising a fixedly positioned grease head having a nozzle adapted to enter said articles, said nozzle having a closed end and being provided with a plurality of elongated laterally opening ports, a cylinder to which the grease head is secured, a yieldable valve between the cylinder and the ports in said nozzle, a grease reservoir communicating with the interior of said cylinder, a plunger slidable in the cylinder adapted to force grease received from said reservoir past said valve and outwardly



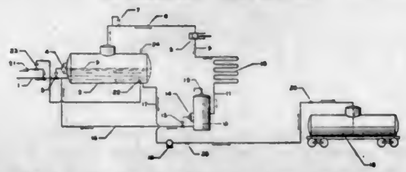
through the lateral ports in the grease head so as to distribute grease simultaneously over a wide area of the threaded article into which the nozzle projects, means normally tending to withdraw said plunger, and means acting contrary thereto for imparting a grease expelling movement to the plunger.

2,246,875

METHOD AND APPARATUS FOR LOADING RECEPTACLES WITH VOLATILE LIQUIDS

Samuel C. Carney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application April 3, 1939, Serial No. 265,866
10 Claims. (Cl. 62—1)



1. The method of blending two normally gaseous liquids differing in volatility preparatory to loading into a suitable receptacle comprising the steps of simultaneously admitting both liquids to a closed zone of reduced pressure wherein the mixture of the liquids is cooled by partial evaporation, controlling the proportion of each liquid admitted to the closed zone, reliquefying the vapors evolved from the mixture in the closed zone, and returning the reliquefied vapors to the closed zone.

2,246,876

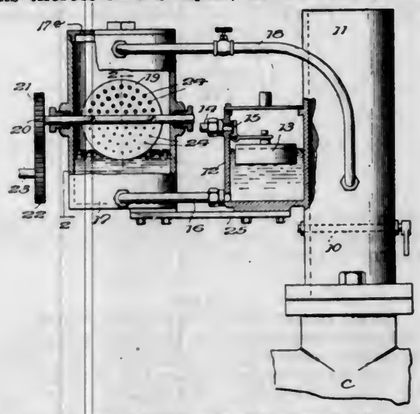
FUEL FEEDING ATTACHMENT FOR CARBURETORS

Charles J. Carver, Berryville, Va., assignor, by direct and mesne assignments, of sixty per cent to Ernest A. Carper and twenty per cent to Goodwin G. Baker, both of Winchester, Va., and twenty per cent to Ansel B. Solenberger, Winchester, Va.

Application November 21, 1939, Serial No. 305,547
3 Claims. (Cl. 299—63)

3. In a liquid fuel feeding attachment for carburetors, the combination of a receptacle, means for supplying liquid to said receptacle, means

for maintaining an air space in the upper portion of the receptacle, a disk having openings extending therethrough, means for rotating said disk flatwise to submerge it at peripheral portions thereof in the liquid, the forward portion



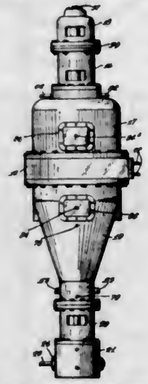
of each opening being tapered inwardly from the leading face of the disk to a point approximately medial of the thickness of the disk with the remainder of each opening of uniform cross-sectional area, and a discharge conduit for said receptacle.

2,246,877

ROTARY FILTER

Aiken C. Cunningham, Beechwood, N. J.

Application June 8, 1937, Serial No. 147,016
17 Claims. (Cl. 210—196)



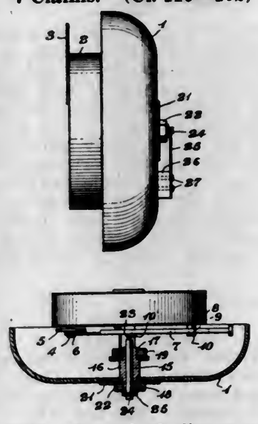
1. The method of filtering liquid having solid matter in suspension by the action of a rotor within a casing which consists in delivering under pressure within the casing a liquid stream, in whirling the stream about an axis within the casing, in settling solids from the stream along the interior walls of the casing, in withdrawing the more liquid part of the stream from the interior of the casing through generally radial passages while shielding the withdrawing stream from engagement with the settling stream, and finely dividing the withdrawing stream, in whirling the divided streams about the axis of the casing and at the same time filtering them, using the higher inertia of the solids than of the liquid to concentrate the solids in the trailing parts of the streams and in reversely discharging the concentrated solids in backward directions as compared with the direction of travel of the filtering liquid by pressure upon them along stream surfaces diagonal to the planes of rotation.

2,246,878

AUDIBLE SIGNAL FOR FIRE ALARMS

David W. Davis, Washington, D. C.

Application March 29, 1939, Serial No. 264,910
7 Claims. (Cl. 116—102)



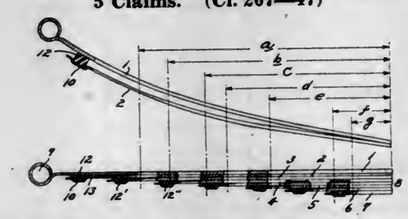
1. An audible alarm including a motor, a casing for said motor, a reciprocating striker mounted on said motor casing and driven by said motor, a stop carried by said striker, a bell, a support for said bell fixed to said motor casing, said support including a longitudinal guideway, a lock pin shiftable in said guideway for engagement with the stop on said striker, and a thermostatic element fixed to the outer face of said bell and connected with said lock pin, said thermostatic element being shiftable to move said lock pin out of engagement with the stop on said striker.

2,246,879

VEHICLE SPRING

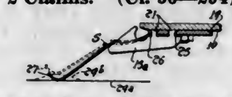
Harold T. Dow, Elma, N. Y., assignor to Spring Perch Company, Inc., a corporation of New York

Application July 1, 1939, Serial No. 282,421
5 Claims. (Cl. 267—47)



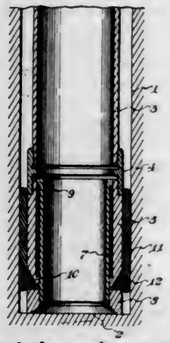
1. A leaf spring assembly comprising a plurality of leaves, one leaf of each successive pair having a depression in the surface thereof contacting the other, said depressions being of equal depth and providing a cup, the periphery of which is outcurved to form a continuous unbroken surface from the surface of the leaf to the inner surface of the cup and a bearing element in each of the depressions, the said elements varying in length to spread successive pairs of leaves at their ends to a varying degree to thereby vary the area of frictional contact between the successive leaves and thereby provide a leaf spring having a predetermined dampening area.

2,246,880
LEAF PICKUP DEVICE FOR LAWN MOWERS
Ervin George Erke and George Eustace Morris, St. Paul, Minn.
Application September 11, 1939, Serial No. 294,350
2 Claims. (Cl. 56—294)



1. In a leaf pick-up device for a lawn mower having a ledger bar, a plurality of laterally spaced rigid teeth supported by said ledger bar, said teeth having rearwardly and upwardly inclined upper edges terminating at their upper ends adjacent and in front of the forward edge of the ledger bar immediately below the path of the reel blade and having forwardly and downwardly inclined spring blade portions forming continuations of the forward ends of said rigid teeth and terminating at their lower ends adjacent the ground, said portions having sufficient resiliency to spring upwardly when striking the ground.

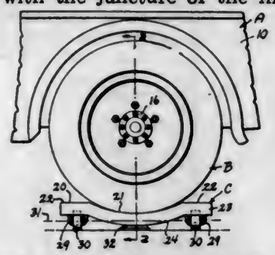
2,246,881
WELL PACKER
Charles W. Fisher, Coffeyville, Kans., assignor to Robinson Packer Company, Tulsa, Okla.
Application August 25, 1939, Serial No. 291,974
5 Claims. (Cl. 166—10)



1. A bottom hole packer comprising a lower hole bottom engaging shoe, an expansible packing sleeve surrounding said shoe and adapted to be expanded radially into engagement with the wall of a hole, an expanding mandrel telescopically movable downwardly into the sleeve connected to the shoe, said expanding mandrel being disposed above the packing sleeve.

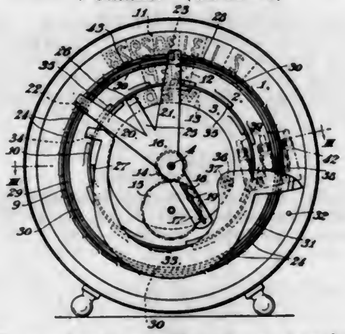
2,246,882
VEHICLE WHEEL SUPPORTING TRUCK
Arthur E. Gentry, Eldorado, Ill.
Application September 21, 1940, Serial No. 357,804
2 Claims. (Cl. 280—61)

2. A truck for use in the removal and replacement of heavy vehicle wheels, said truck comprising an elongate rectangular sheet metal platform including spaced co-planar end portions and an intermediate portion curved longitudinally of the platform to provide a trough-like wheel-supporting bed extending thruout the width of the platform, said platform being skirted by a right angular depending quadrilateral flange of uniform width and curving subjacent the curved edges of said intermediate portion, rectangular sheet metal plates secured beneath said end portions inwardly adjacent the corners of said platform, each plate abutting two sides of said quadrilateral flange and aligning along one side with the juncture of the intermediate



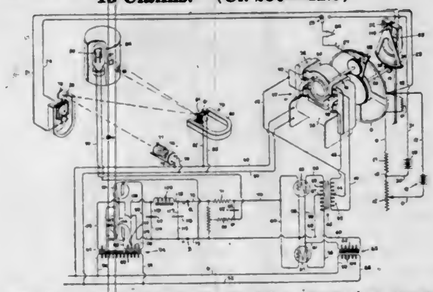
portion and one of said end portions, and caster wheels attached to said plates for supporting the platform in spaced relation to the floor.

2,246,883
DATE INDICATOR FOR TIMEPIECES
Thomas Hills Harrison, Bolsover, England
Application November 27, 1939, Serial No. 306,405
In Great Britain November 18, 1938
7 Claims. (Cl. 58—5)



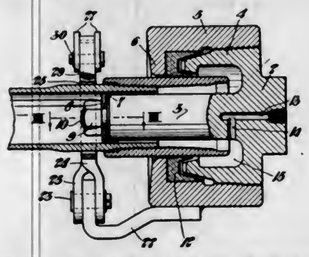
7. In combination with a time-piece having a rotatable element which completes a single complete rotation during each twenty-four hour period of time, a date indicator comprising a month of the year indicating dial having designations of the twelve months of the year spaced equidistantly therearound, a rotatable date of the month indicating dial having the date numbers 1 to 31 spaced equidistantly therearound, an oscillatory lever element, a pin and slot connection between said rotatable element and said lever element whereby said lever element is oscillated once during each successive twenty-four hour period of time, means whereby each oscillation of said lever element effects one step of advance rotation of said date dial corresponding to one thirty-first part of a complete rotation thereof, means whereby the month indicating dial is advanced one step corresponding to one-twelfth of a complete rotation in response to each complete rotation of the date dial, fixed cam means, and cam means rotatable with said month dial and cooperating with said fixed cam means to control cooperation of said lever element with said date dial so that when the month dial is in a position indicating any month having less than thirty-one days successive operations of said lever element up to a number corresponding to the number of days in the indicated month are effective to impart to said date dial successive steps of advance each equal to one thirty-first part of a complete revolution and the next operation of said lever element is effective to complete rotation of said date dial.

2,246,884
POTENTIOMETER
Manfred J. Johnson, Naugatuck, Conn., assignor of one-half to The Lewis Engineering Company, Naugatuck, Conn.
Application September 22, 1938, Serial No. 231,277
15 Claims. (Cl. 250—41.5)



1. In combination, a light-responsive means; a single light source; a deflectable member including means for controlling a light beam from said source; and means for periodically oscillating said light beam selectively in accordance with the direction of the deflection of the deflectable member to affect said light-responsive means so that periodic impulses are set up by the latter due to impingement of the light beam as it is caused to impinge upon said light-responsive means by deflection of the deflectable member, the impulses resulting from the deflection of said member in one direction being noncoincident with the impulses set up by deflection of the member in the other direction.

2,246,885
PIPE JOINT TESTER
George H. Jones, Lorain, Ohio, assignor to National Tube Company, a corporation of New Jersey
Application October 10, 1939, Serial No. 298,838
1 Claim. (Cl. 138—90)

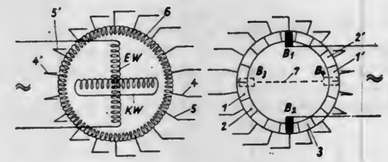


Apparatus for testing a joint between a pipe and a coupling comprising a body member having a small diameter portion which is adapted to extend into the pipe and coupling, an annular pliable sealing member arranged on said small diameter portion, an annular sleeve-like portion arranged on the outer end of said body member which is adapted to fit over and around the outer end of said coupling, an annular pliable sealing member carried by said annular sleeve-like portion, a plurality of pivoted latch members carried by said annular sleeve-like portion which are adapted to engage with the inner end of said coupling so as to securely hold the body member in position on the end of the pipe and coupling, releasable means carried by said sleeve-like portion for moving said latch members to their locked position over the end of said coupling and to retain the same in said locked position, and means for introducing a testing fluid to the joint whereby the testing fluid forces the sealing member on the small diameter portion outwardly tightly against the inner walls of the pipe and the sealing member arranged on said annular sleeve-like portion inwardly tightly against the outer surface of the coupling so as to securely seal the joint and to simultaneously test the same.

2,246,886
MANGANESE-BASE ALLOY AND METHOD OF MAKING AND USING THE SAME
William Kroll, Luxemburg, Luxemburg
No Drawing. Original application January 17, 1940, Serial No. 314,229. In Luxemburg, January 4, 1939. Divided and this application January 31, 1940, Serial No. 316,543
3 Claims. (Cl. 148—2)

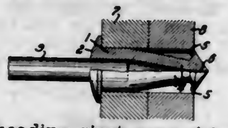
1. Method of making a wrought article of a manganese-base alloy containing upwards of 40% manganese, which comprises forming a melt from substantially pure manganese and a minor percentage at least 1% of copper which acts to stabilize the gamma phase of manganese, such melt being substantially free from embrittling elements; casting and solidifying the alloy melt; and, before the casting has cooled below the transformation temperature at about 740° C., hot deforming the casting to break down the grain.

2,246,887
ELECTRICALLY OPERATED DEVICE FOR TRANSMITTING ANGULAR MOVEMENT
Adolf Krüssmann, Berlin-Wilmersdorf, Germany, assignor to Askania-Werke A. G., a corporation of Germany
Application October 3, 1940, Serial No. 359,620
In Germany October 6, 1939
4 Claims. (Cl. 172—239)



1. An electrically operated device for transmitting angular movement comprising an annular commutator consisting of a plurality of conducting segments insulated from each other and a plurality of turnably mounted sliding brushes; said brushes being simultaneously rotatable in dependence on the angular movement to be transmitted; an electric motor having a stator carrying an annular rotary field winding and possessing a rotor carrying a short circuited winding; said short circuited winding having a straight axis; said annular stator winding having a number of circumferentially disposed taps connected to corresponding circumferentially disposed commutator segments; means for producing an alternating magnetic field in the rotor rotated synchronously with the commutator brushes; a number of said commutator brushes being arranged along the periphery of the annular commutator so as to contact with commutator segments having the same potential at the normal relation between the commutator brushes and the rotor of the motor and having different potentials when the position of the commutator brushes deviates from that of the rotor; and means for short circuiting said number of commutator brushes.

2,246,888
RIVET
Archibald Randal Messenger, Mattapoisett, Mass.
Application March 31, 1941, Serial No. 386,143
12 Claims. (Cl. 85—40)

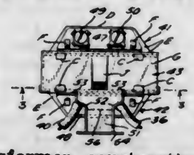


10. A self-heading rivet comprising a headed hollow body having a shank with a radial wall thickness of the order of one-half the maximum diameter of the bore of said hollow body, the inner end of the shank being longitudinally slotted for a length not less than said maximum bore diameter, flanges projecting outwardly from the end sections of the shank at an angle of the order of 110°, said end sections being bent inwardly towards the axis of said hollow body to position said flanges within the cylindrical surface of the outer diameter of said hollow body, and a pin within the bore of said hollow body for forcing said end sections outwardly.

2,246,889
STRUCTURAL ISOMER OF PROGESTERONE
Karl Miescher, Riehen, and Hans Kaegi, Basel, Switzerland, assignors, by mesne assignments, to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application February 21, 1939, Serial No. 257,735. In Switzerland March 2, 1938
1 Claim. (Cl. 260—397.3)

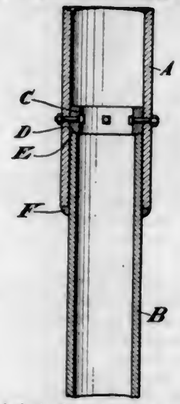
The structural isomer of progesterone which corresponds to the empirical formula $C_{21}H_{30}O_2$, has a melting point of 217–218° C., and has a specific rotation of $[\alpha]_D = +48°$ in chloroform.

2,246,890
TRANSFORMER CONSTRUCTION
Christian Miller, Norwalk, Conn., assignor to Edwards and Company, Inc., Norwalk, Conn., a corporation of New York
Application July 15, 1939, Serial No. 284,669
10 Claims. (Cl. 175—361)



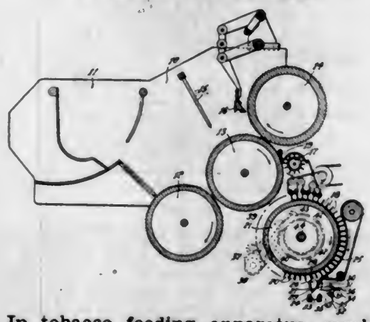
1. A transformer construction comprising a core and windings, a circuit-controlling device connected in circuit with at least one of said windings and having a plate-like supporting part, said core and said supporting part having respective portions shaped so that one portion is enterable into the other upon movement in one direction and is removable therefrom upon movement in reverse direction, said portions having one entered into the other for holding said supporting part in interfitting relationship to said core, thereby to form a sub-assembly, and a casing structure for substantially enclosing said core and windings and device, said supporting part being engaged by said casing structure when the latter is assembled to said core and windings and on that side of said part to form a stop against movement in said reverse direction, said supporting part thereby being secured against displacement relative to said core.

2,246,891
JOINT FOR STEP-DOWN PIPE PILING
Bolton C. Moise, Pittsburgh, Pa., assignor to National Tube Company, a corporation of New Jersey
Application June 30, 1939, Serial No. 282,310
1 Claim. (Cl. 285—115)



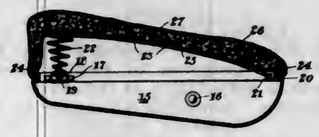
A driving joint for step-down piling including a pair of telescoped cylindrical pipes, said joint comprising an annular sleeve-like ring, means for securing said ring within the larger of said pipes, the telescoped end of the smaller of said pipes being abutted against the adjacent end of said ring, said ring being substantially spaced from the telescoping end of the larger of said pipes, the contacting areas of said ring and the smaller of said pipes being complementarily beveled radially toward said ring.

2,246,892
TOBACCO FEEDING APPARATUS
Desmond Walter Molins, Deptford, London, England, assignor to Molins Machine Company Limited, Deptford, London, England
Application August 15, 1938, Serial No. 225,013
In Great Britain September 2, 1937
5 Claims. (Cl. 131—109)



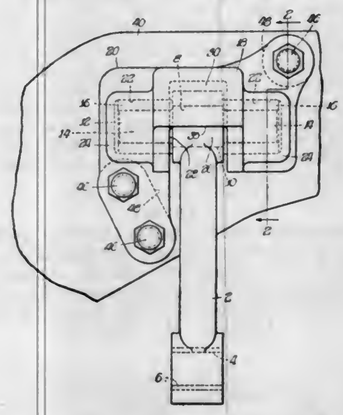
1. In tobacco feeding apparatus, mechanism to form a downwardly directed shower of tobacco, a carrier rotatable beneath and extending lengthwise of the shower, a plurality of trough-like receptacles mounted on said carrier to receive tobacco from said shower, and a plurality of rotatable rollers disposed adjacent to the path of the open ends of the receptacles, said rollers being disposed in the path of the tobacco shower and so arranged that the peripheral surfaces of the rollers engage the edges of the open ends of the receptacles to keep said edges clean.

2,246,893
CHAIR SEAT
Henry P. Nordmark, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application April 7, 1939, Serial No. 266,581
4 Claims. (Cl. 155—179)



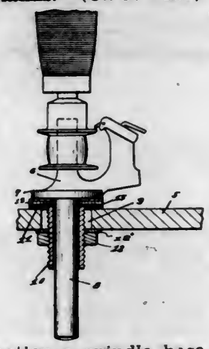
1. A seat comprising a metal, seat spring unit supporting pan, said pan having a supporting bar secured interjacent the opposite side walls thereof and disposed adjacent its forward wall; spaced tongues struck from the rear wall of the pan and forwardly thereof to form hooks; and a plurality of spaced parallelly disposed spring members, each having a forward depending coiled portion supported on and secured to the bar and each having an integral rearwardly extending, upwardly bowed undulated portion secured to and supported by one of said hooks.

2,246,894
BRAKE HANGER BRACKET
Alfred H. Oelkers, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 19, 1940, Serial No. 314,631
12 Claims. (Cl. 188—209)



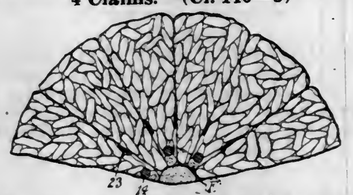
1. In a railway car truck, a supported frame member, a brake hanger and bracket structure comprising a housing with a central aperture and U-shaped pockets disposed on opposite sides of said aperture, a hanger supported in said aperture with trunnions accommodated in said pockets, resilient means surrounding said trunnions within said pockets, spaced means securing said bracket structure to said frame member, and means for retaining said hanger in said housing, said retaining means comprising filler blocks inserted between said resilient means and said frame member and having arcuate face engagement with said resilient means and abutment with said frame member intermediate said securing means, said resilient means being placed under such compression as to cause distortion thereof on rotation of said hanger.

2,246,895
SPINDLE MOUNTING
Herman Tinley Overbey, Wadesboro, N. C., assignor of forty-five per cent to J. F. Martin and ten per cent to H. P. Taylor, both of Wadesboro, N. C.
Application September 10, 1940, Serial No. 356,233
2 Claims. (Cl. 57—130)



1. In combination a spindle base, a base rail having an opening therein, a bushing having threads thereon and a head at one end for engaging the other side of the base rail, said base having a depending portion extending through the bushing, and retaining means for preventing rotation of the base with respect to the bushing, said means consisting of a set screw disposed through the bushing to bite the depending member.

2,246,896
APPARATUS FOR SECTIONIZING CITRUS FRUITS
Ralph Polk, Sr., Miami, and Ralph Polk, Jr., Haines City, Fla., assignors to The Polk Development Company, Tampa, Fla., a copartnership of Florida
Application September 28, 1938, Serial No. 232,024
4 Claims. (Cl. 146—3)

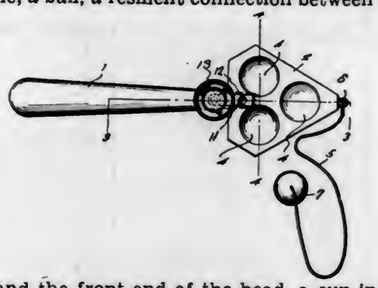


1. A tool for segregating integument-free juice-cell groups of citrus fruits, comprising, a main shank, fruit impaling means carried by said shank, a stripper-blade-carrier axially slidable on said shank, a stripper-blade mounted on said carrier to shift axially therewith and at least in part movable radially of the shank, said shank and blade having inter-engaging surfaces whereby movement of the blade axially of the shank will cause outward movement of at least part of the blade, and means acting upon the blade, upon movement of the blade-carrier on the shank in the opposite direction, to cause inward movement of the radially displaced part of the blade.

2,246,897
GAME DEVICE
Anthony Rodriguez, Bronx, N. Y.
Application April 26, 1940, Serial No. 331,883
1 Claim. (Cl. 273—97)

A game device comprising an elongated handle,

a substantially flat head extending from one end of the handle for holding a ball in different selected positions thereon to be thrown into the air under manipulation of said head by said handle, a ball, a resilient connection between said



ball and the front end of the head, a cup in the rear of said head elevated a substantial distance above said handle and head for catching said ball, and a triangularly arranged series of sockets in the upper face of said head for establishing the different positions of the ball on the head.

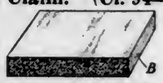
2,246,898

NONSLIP WEAR-RESISTANT TREAD

William H. Sayre, Essex Fells, N. J., assignor to American Abrasive Metals Company, a corporation of New York

Application April 16, 1938, Serial No. 202,581

1 Claim. (Cl. 94—5)



A non-slip wear-resistant tread comprising a hard synthetic resin body compounded of thermo-plastic and thermo-setting resins and having abrasion-resistant discrete particles embedded therein, said tread being highly resistant to moisture, capable of withstanding shocks and vibrations and substantially free from "cold-flow" under normal service conditions.

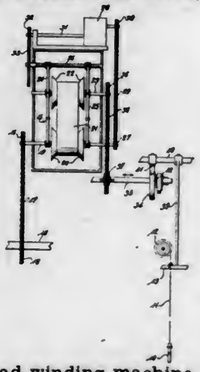
2,246,899

MANUFACTURE OF SYNTHETIC FIBERS

Jan J. Schilthuis and Johan D. W. Hubbeling, Enka, N. C., assignors to American Enka Corporation, Enka, N. C., a corporation of Delaware

Application July 27, 1938, Serial No. 221,615

3 Claims. (Cl. 18—8)



1. In a thread winding machine, a thread collector which is driven at a decreasing rotary speed to impart a constant peripheral speed to a package as it is formed thereon, a thread guide mounted to traverse the collector, means for traversing the thread guide across the face of the collector, means for decreasing the stroke of the thread guide during the winding-on operation, and means for synchronously increasing the frequency of traverse as the traverse stroke is decreased while maintaining the speed of traverse substantially constant.

2,246,900

CATALYTIC MATERIAL

Walter A. Schulze and Frederick E. Frey, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application January 27, 1937, Serial No. 122,660

12 Claims. (Cl. 252—241)

1. A process for increasing the catalytic activity of an adsorbent mineral material of the clay type selected from the group consisting of aluminum hydrosilicates, bauxite and brucite, which comprises contacting said material with a hydrogen halide selected from the group consisting of hydrogen fluoride and hydrogen chloride in the gaseous state and in the substantial absence of liquid water at a temperature within the range of 200 to 500° C. for a substantial period of time not greater than about one hour, and interrupting the stream of hydrogen halide and contacting said material with a stream of inert gas for a period of time sufficient to remove adsorbed hydrogen halide and volatile reaction products thereof.

2. A process for restoring the activity of solid adsorbent mineral catalyst masses of the clay type used in promoting the catalytic conversion of hydrocarbon fluids, which comprises burning said masses in an oxidizing atmosphere to remove carbonaceous residues, then contacting said masses with a stream of a gaseous hydrogen halide selected from the group consisting of hydrogen fluoride and hydrogen chloride at a temperature within the range of 200 to 500° C. for a period of time not greater than about one hour, and interrupting the stream of hydrogen halide and contacting said masses with a stream of inert gas for a period of time sufficient to remove adsorbed hydrogen halide and volatile reaction products thereof.

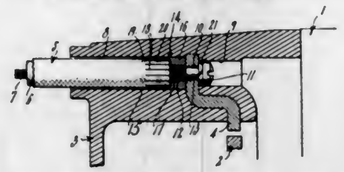
2,246,901

DISTRIBUTOR CABLE CONNECTOR

Wolfgang E. Schwarzmann, Longmeadow, Mass., assignor to American Bosch Corporation, Springfield, Mass., a corporation of New York

Application November 23, 1940, Serial No. 366,804

3 Claims. (Cl. 200—19)



1. In an ignition generator; a distributor rotor for distributing to sparkplug cables ignition currents generated by said generator; a distributor plate having a through opening substantially parallel to the axis of rotation of said rotor, and also having an electrode which is cooperative with said rotor and which extends into said opening; and a cable connector enclosed within said opening for disengageably connecting electrically and mechanically one of said cables to said electrode comprising a cable terminal at one side of said electrode having a socket for the reception and retention of said

cable and also having a screw-threaded end portion, and also comprising a screw passing along said opening through said electrode from the other side thereof into threaded engagement with said end portion and in electrical connection with said cable; whereby the screw enables the cable terminal with the cable therein to be drawn longitudinally along said opening into, and secured in, mechanical and electrical connection with said electrode and to be disengaged therefrom.

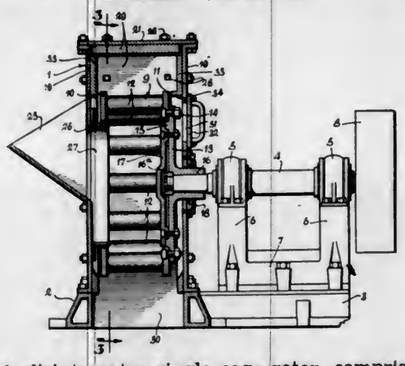
2,246,902

DISINTEGRATOR OF IMPACT CAGE TYPE

Kenneth L. Smith, Aurora, Ind., assignor to Stedman's Foundry & Machine Works, Aurora, Ind., a corporation of Indiana

Application January 22, 1940, Serial No. 315,033

1 Claim. (Cl. 83—11)



A disintegrator single cage rotor, comprising: a pair of uniform annuli joined integrally by an intervening annular row of circumferentially equi-spaced impact bars forming an integral hollow interior unit, and an annularly flanged hub having its flange removably connected to one of the annuli for supporting the unit upon a shaft and providing an end closure therefor, the annuli providing an interchangeable connection to the hub for alternating the position of the unit upon the hub.

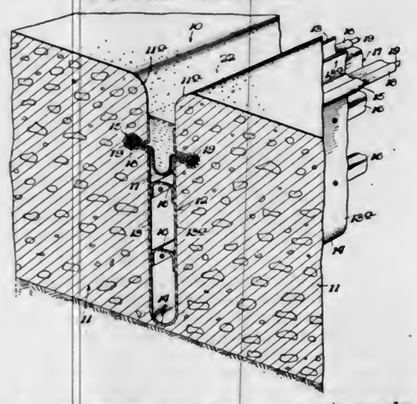
2,246,903

EXPANSION JOINT

Joseph MacKay Spears, Washington, D. C.

Application April 12, 1939, Serial No. 267,473

5 Claims. (Cl. 94—18)



1. An expansion joint for a concrete roadway formed of longitudinally spaced sections, said joint including strip-supporting means in the confronting faces of the road sections, said strip-supporting means including channels having bulbous bottoms, a fabric filler-supporting strip bridging the space between the road sections, said strip having beads at its longitudinal edges, said beads being removably supported in the strip-supporting means, the width of said strip being such as to provide a slack portion between the road sections, and joint-filling material supported by said slack portion.

2,246,904

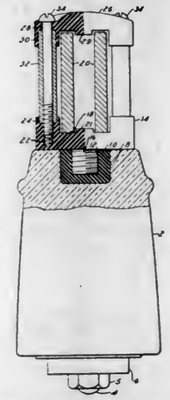
INSULATOR INCLUDING CLAMPING MEANS FOR SUPPORTING HIGH POTENTIAL CONDUCTORS

Hans Stockinger, Berlin-Siemensstadt, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 28, 1940, Serial No. 342,904

In Germany May 25, 1939

1 Claim. (Cl. 174—169)



In combination, electrical conducting means, an insulating body having a screw-threaded hole in its upper end, attaching means for securing said insulating body to a support, a first clamping member of insulating material for providing a seat for said conducting means, said member having a screw-threaded stud engaging said hole in said insulating body and a plurality of screw-threaded holes in its upper surface, a second clamping member of insulating material having apertures in alignment with said holes in said first member, said second clamping member being disposed over said first member with said conducting means therebetween, bolts extending through said apertures in said second member and engaging said holes in said first member to attach said members together, and sleeve members surrounding said bolts between said members to space said members apart.

2,246,905

CONSTANT SPEED SERIES WOUND MOTOR

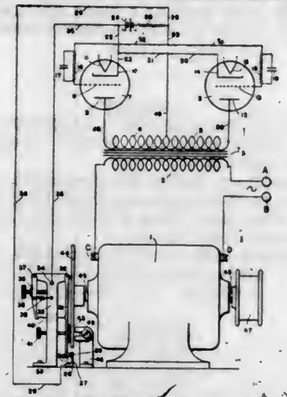
Fritz Frederick Uehling, Passaic, N. J.

Application April 22, 1940, Serial No. 330,827

3 Claims. (Cl. 171—227)

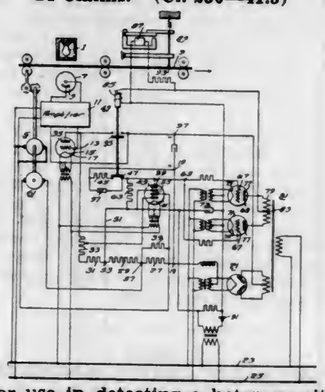
3. In a device of the class described, the combination with a transformer having a primary circuit and two secondary circuits, of a thermionic tube in one of said secondary circuits for passing current of one polarity, a thermionic tube in the

other of said secondary circuits for passing current of the opposite polarity, a grid circuit for each of said tubes for controlling said secondary circuits, means for applying a potential to said grid circuits, a switch for controlling said potential, a magnetically responsive armature for closing the switch, a magnet the lines of force of which react with the armature to close the switch, a disc located between the armature and the mag-



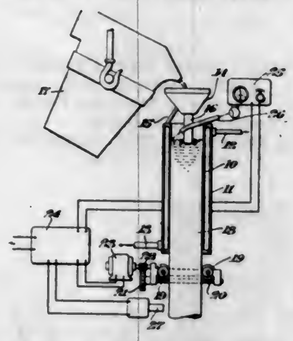
net in a plane which intersects said lines of force, a spring which tends to actuate the switch in the opposite direction against the force of reaction between the armature and the magnet, an electric motor in the primary circuit for rotating the disc to create eddy currents which react with said lines of force to permit the spring to open the switch, and independent means for adjusting the tension of the spring to change the speed of the motor.

2,246,906
MARKING DEVICE FOR HOLE DETECTORS
William W. Viebahn, Troy, Ohio, and Lloyd C. Poole, Swissvale, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 16, 1939, Serial No. 274,071
14 Claims. (Cl. 250—41.5)



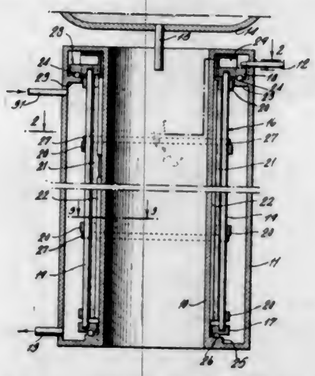
11. For use in detecting a heterogeneity in a moving sheet the combination comprising, means for marking said sheet with a mark that lends itself only to visual identification, means responsive to a heterogeneity in said sheet for actuating said marking means to mark said sheet and means responsive to the speed of said sheet and cooperative with said actuating means independently of said mark for maintaining said marking means actuated for a time interval determined by said speed.

2,246,907
CONTINUOUS MOLDING MACHINE
William R. Webster, Bridgeport, Conn.
Application April 12, 1940, Serial No. 329,247
7 Claims. (Cl. 22—57.2)



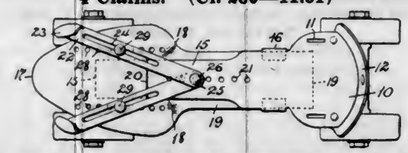
2. A continuous molding apparatus comprising a molding chamber having an inlet and an outlet, means for continuously introducing molten metal through said inlet into said chamber, means to promote solidification of the molten metal in said chamber, means for withdrawing solidified metal from said chamber through said outlet, and means responsive to height increase of molten metal in said chamber to increase the linear emergent speed of solidified metal from said chamber and responsive to height decrease of the molten metal in said chamber to decrease the linear emergent speed of the solidified metal.

2,246,908
CONTINUOUS MOLDING MACHINE
William R. Webster, Bridgeport, Conn.
Application November 23, 1940, Serial No. 366,807
8 Claims. (Cl. 22—57.2)



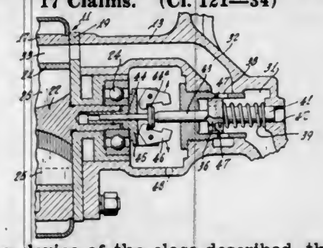
1. In a continuous molding apparatus, a cylindrical mold having a top inlet for the introduction of molten metal and a bottom outlet for the removal of solidified metal, a cylindrical jacket surrounding said mold, means for circulating water through said jacket, and means movable in said jacket for removing vapor from contact with the outer surface of said mold.

2,246,909
SKATE
Herman Ysskin, Newark, N. J.
Application July 26, 1940, Serial No. 347,578
4 Claims. (Cl. 280—11.31)



1. A skate comprising a toe member and a heel member, the members including overlapping slidable plates, the plates having perforations to be placed in register as the length of the skate is altered, toe clamps having their outer ends formed into claws for engaging the sole of a shoe, the toe clamps having longitudinal slots, the toe member having perforations for registration with the slots, pins for passing through the slots and the last mentioned perforations, the inner ends of the toe clamps having perforations, and a pin in the perforations of the clamps and in the perforations of the slidable plates.

2,246,910
OVERBALANCED GOVERNOR
Lester A. Amtsberg, Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application July 30, 1940, Serial No. 348,503
17 Claims. (Cl. 121—34)

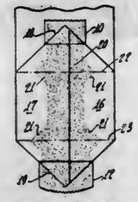


1. In a device of the class described, the combination of a pressure fluid operated rotary motor, means for imposing a variable resistance to the operation of said motor, a governor mechanism controlling the speed of operation of said motor and including a governor control element exercising a variable restriction upon the supply of pressure fluid to said motor in response to variations in the speed of said motor, and means for causing said control element to respond to the speed of said motor with a degree of effectiveness varying inversely with the intensity of the resistance to operation of said motor.

14. A governor mechanism, comprising a governor valve adapted for the control of a pressure fluid supply passage, means for directing pressure fluid to oppositely disposed faces of said valve, means for unbalancing the fluid pressures acting on said valve to set up a resultant force urging said valve in one direction, and additional pressure means acting on said valve in opposition to the resultant force of said fluid pressures.

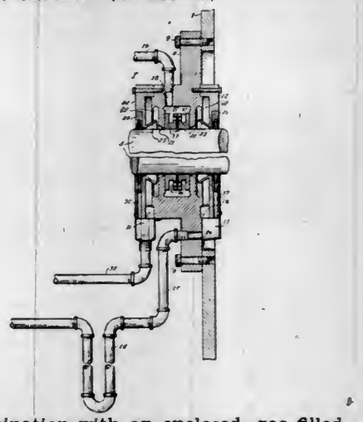
2,246,911
SIFTPROOF BAG
Webster Noyes Baker, Baldwin, N. Y., assignor to Bagpak, Inc., New York, N. Y., a corporation of Delaware
Application July 13, 1940, Serial No. 345,318
6 Claims. (Cl. 93—35)

1. The method of forming a square bottom sift-proof bag from a multi-ply tubular blank consisting in slitting two opposed wall portions of the outer ply of said blank to form resultant flaps; creasing said blank along lines extending transversely of the walls containing said flaps preparatory to folding the bottom; folding one of the unslit wall portions of said blank inwardly; then folding the remaining unslit wall portion inwardly, the edge thereof overlapping the edge of said first folded unslit wall portion, said folding steps thereby resulting in the formation of a



substantially continuous plane surface and resulting in the projection of said flaps in opposite directions and the formation of outwardly directed triangular apices from the adjacent portions of said inner ply and characterized by reentrant folds covered by the edge of said overlapping wall portion and located within the area defined by said flaps; then applying adhesive to portions of the plane surface thus formed; and finally folding one of said flaps over onto said plane surface and then folding the other flap over onto said first flap.

2,246,912
GLAND SEAL FOR ROTATING SHAFTS
René A. Baudry, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 18, 1939, Serial No. 251,518
7 Claims. (Cl. 286—9)



1. In combination with an enclosed, gas-filled machine having a rotatable shaft, sealing means to prevent the escape of gas or the entrance of air along the shaft comprising a housing, a pair of sealing rings supported in a groove in the housing and encircling the shaft, said rings being in contact at their outer peripheries but providing a narrow annular space between them around the shaft, means for feeding a liquid into said annular space at a plurality of points spaced uniformly around the circumference of the rings so that a small amount of liquid will flow along

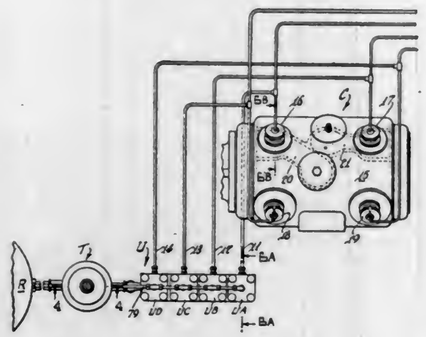
the shaft between the shaft and the rings in both directions, and means on at least one side of the seal for catching the liquid flowing along the shaft and draining it off.

2,246,913

COMPRESSOR REGULATOR

Lester L. Collins, Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application July 7, 1939, Serial No. 283,289
12 Claims. (Cl. 230—31)



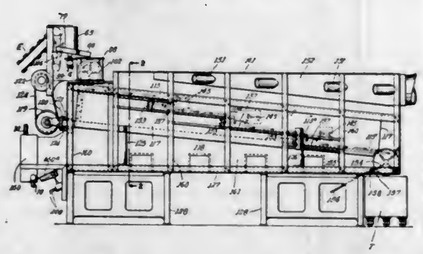
1. In a pump or compressor having a receiver, a cylinder and a plurality of unloading devices arranged to effect step-by-step unloading of the compressor, automatic regulating means for said devices comprising an unloader having a series of pressure responsive valves controlling admission of pressure fluid to said unloading devices and having a series of pressure chambers controlling the operation of the valves, and a pressure transformer interposed between the receiver and the unloader pressure chambers to vary the pressure of the latter inversely with the receiver pressure.

2,246,914

METHOD AND APPARATUS FOR DRYING AND COOLING TOBACCO

Ross V. Craggs, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Application May 20, 1937, Serial No. 143,699
18 Claims. (Cl. 131—136)



1. The combination with a guillotine shredder adapted to separate slices from a compressed mass of tobacco, of a drier, mechanism for rolling the slices and thereby loosening the shreds of tobacco in the slices separated by said shredder and transporting them to said drier.

2,246,915

POLYVINYL ALCOHOL COMPOSITION

Charles Dangelmajer, Nutley, N. J., assignor to Resistoflex Corporation, Belleville, N. J., a corporation of New York

No Drawing. Application February 1, 1940, Serial No. 316,771
10 Claims. (Cl. 260—90)

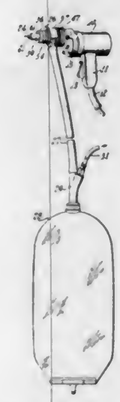
1. A normally flexible plasticized polyvinyl alcohol composition containing as a thermostabilizing agent a substance selected from the group consisting of the soluble haloids of ammonium, of alkali metals and of alkaline earth metals.

2,246,916

HOLD-DOWN AND CHIP COLLECTING ATTACHMENT FOR DRILLS

Howard R. Fischer, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application October 5, 1940, Serial No. 359,919
14 Claims. (Cl. 77—55)



4. An attachment for drilling and like tools comprising a sleeve adapted to be mounted on the front end of the tool to encircle the drill steel, a work engaging hold-down plunger supported at the front end of said sleeve and having a central bore through which the drill steel may extend, means for shifting the assembly comprising said sleeve and said plunger to advanced and retracted positions relatively to said tool to expose a smaller and greater portion of the front end of the drill, means defining positively the advanced and retracted positions of said assembly, and means for locking said assembly in advanced position.

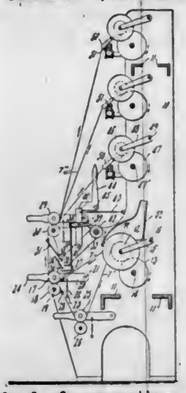
11. An assembly for controlling the disposal of dust particles created by the drilling of holes in sheet metal or other material, comprising a tubular attachment adapted to be mounted on the front of a drilling tool, and including a work engaging hold-down plunger having a central bore through which the drill steel may extend, said central bore communicating at its outer end with the atmosphere and at its inner end with the interior of said attachment, a dust receptacle remotely located with respect to said tool attachment and communicating with the interior thereof, and means for generating a flow of air from atmosphere inward through the central bore of said plunger to the interior of said attachment and thence to said dust receptacle.

2,246,917

METHOD OF AND APPARATUS FOR SEPARATING A RUBBER RIBBON INTO ITS INDIVIDUAL THREADS

Raymond S. Francis, Rumford, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

Application December 27, 1939, Serial No. 311,221
7 Claims. (Cl. 242—45)



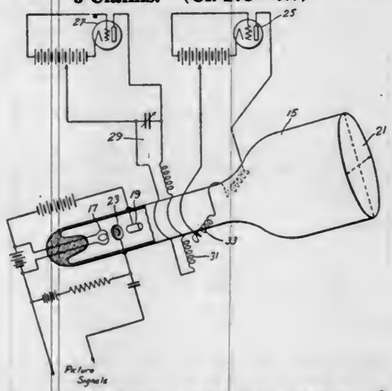
1. The method of separating a ribbon formed of rubber threads non-integrally connected side by side into its individual threads, which consists in first separating these threads adjacent one end of the ribbon so that the alternate threads may be led along one path and the remaining threads along a different path, and advancing said threads along one of said paths under high tension and along the other path under slight tension so that the tension differential thus produced longitudinally in the ribbon between the slightly tensioned threads and highly tensioned threads will serve to break the bond between said threads.

2,246,918

UNIDIRECTIONAL SCANNING

Harley A. Iams, Collingswood, N. J., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Application April 27, 1932, Serial No. 607,730
5 Claims. (Cl. 178—7.7)



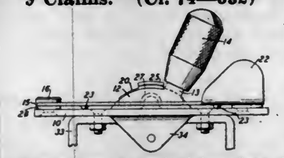
1. In combination, scanning means of the cathode ray type comprising a screen and a beam of energy impinging upon said screen, and means comprising a dynatron oscillator having an inductor for causing said beam to sweep across said screen a plurality of times in one direction only.

2,246,919

LATCHING DEVICE

Hubert K. Krantz, Rockville Centre, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 11, 1940, Serial No. 344,891
9 Claims. (Cl. 74—532)



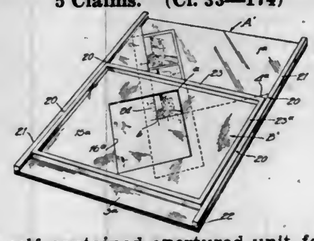
1. In combination, a switching key having an operating lever capable of occupying a mid-position and a plurality of alternate positions, a supporting member for said key, and a locking device comprising a guard pivotally supported on said supporting member and arranged to pivot about one end between two extreme positions, means carried by said guard and contacting said lever when said lever is in its mid-position whereby said guard is held in one of its extreme positions, and means effective when said lever is moved to an alternate position to cause said guard to automatically assume its other extreme position whereupon said first-mentioned means locks said lever in its alternate position.

2,246,920

VARIABLE PHOTOGRAPHIC MASK FOR MAINTAINING CONSTANT PROPORTIONS OF A VISIBLE AREA

Louis L. Kromholz, White Plains, N. Y.

Application March 15, 1940, Serial No. 324,078
5 Claims. (Cl. 33—174)



1. A self-contained apertured unit for demarcating a selected portion of a photograph or the like, comprising in combination a pair of demarcating plates, one of said plates having upon its outer margins tracks through which it is shiftably interconnected with and positively guides the other plate, without restricting relative movement between the plates as a unit and the photograph, in the plane of the photograph; said plates having portions through which they overlap, constructed with reentrant edges forming rectangular recesses therein and assembled with said recesses diagonally aligned and composing a rectangular space constituting the aperture of the unit, and the said tracks being positioned to restrict the shifting of the plates with respect to each other to a direction parallel with a diagonal of said rectangular space.

2,246,921

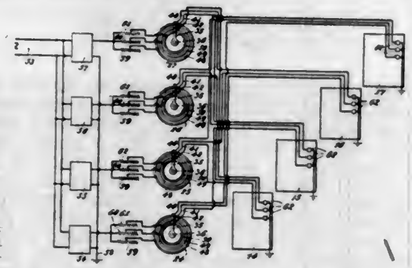
ELEVATOR POSITION INDICATOR

Frederick S. Kummer, New York, N. Y., assignor to Econoscope Corporation, New York, N. Y., a corporation of New York

Application March 27, 1940, Serial No. 326,151
2 Claims. (Cl. 177—336)

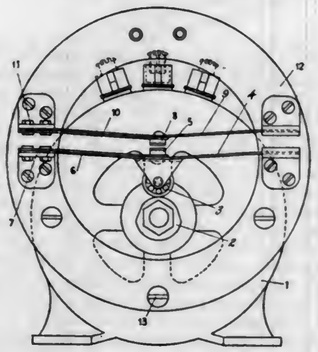
1. In an elevator-position indicator system, the

combination with a bank of more than two cars; of a plurality of electrical measuring instruments grouped in each car, the different instruments of a group corresponding respectively to cars other than the car bearing the particular group and each instrument being graduated for car landings, a source of substantially constant voltage connected with each of the instruments of the different groups, together with variable resistors associated with the respective cars and



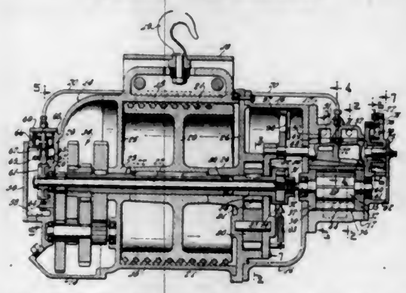
located respectively intermediate the voltage source and instruments, individual resistors being matched to their respective instruments as to landing graduations and arranged into groups each of which comprises resistors controlling the instruments in cars other than the one with which a particular resistor group is associated, and independent means for each car operated therefrom for varying jointly and similarly in accordance with the position of a car the associated resistors of a group.

2,246,922
ROTARY FREQUENCY REDUCER FOR ELECTROMAGNETIC HAMMERS
Pietro Aurelio Macchioni, Turin, Italy, assignor to Soc. An. S. I. M. B. I., Turin, Italy
Application October 4, 1938, Serial No. 233,152
In Italy November 8, 1937
2 Claims. (Cl. 200—30)



1. A periodic switch comprising an annular support of electrically insulating material, a pair of leaf springs diametrically arranged on said annular support, the free ends of said springs being secured to said support so as to be resiliently curved in the same direction, contacts facing each other and fixed to the central curved portion of said springs, said contacts being connected to a source of alternating current and normally kept spaced by said springs in their inoperative position, and a cam acting on the center of one of said springs, so as to cause said contacts to engage at predetermined periods of time.

2,246,923
BRAKE FOR HOISTS
Leon F. Meunier, Cleveland, Ohio, assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application July 26, 1938, Serial No. 221,324
7 Claims. (Cl. 254—168)



2. In a hoist, the combination of a reversible rotary motor, a cable drum adapted to be driven thereby, an operating lever for controlling the supply of power to said motor and having raising, neutral and lowering positions of adjustment, a hydraulic system comprising a chamber through which a working fluid may be circulated, a rotary pump disposed in said chamber for effecting the circulation of fluid in said system, means including a free wheel clutch for establishing a driving connection between the motor and pump when the operating lever is adjusted to the lowering position, a control valve in said hydraulic system for imposing a variable resistance to the flow of fluid therethrough, linkage connecting the operating lever to the control valve, a spring tending to hold the control valve in closed position, said linkage comprising a lost motion connection so constructed and arranged that the control valve is moved from its closed position only when the operating lever is moved to the lowering position.

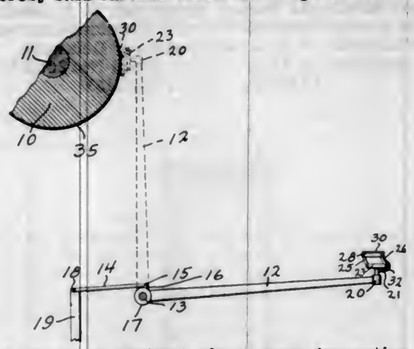
2,246,924
ARYL-AMINO ALKENYL PHENOLS
Philip T. Paul, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 28, 1939, Serial No. 281,529
8 Claims. (Cl. 260—571)

1. An aryl-amino alkenyl monohydric phenol of the benzene series in which the alkenyl and hydroxy group are attached to the same benzene nucleus.

2,246,925
TYPEWRITER ERASING KEY
Ralph A. Primus, Cherokee, Iowa
Application September 27, 1939, Serial No. 296,716
1 Claim. (Cl. 197—181)

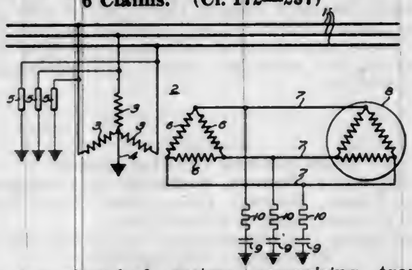
A typewriter erasing key comprising a pivoted lever, a bar attached at the end of said pivoted lever and substantially parallel thereto, a further bar including an erasing member parallel to said bar, a pair of arms of equal length pivoted to said bar and said further bar to maintain said bar and said further bar in constant parallel relationship, said arms being of equal length and

said parallel bars providing a parallelogram whereby said further eraser bearing bar is moved



in a constant vertical plane upon impaction of said eraser with a typewritten sheet.

2,246,926
SURGE PROTECTION FOR ELECTRICAL APPARATUS
Walter G. Roman, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 1, 1938, Serial No. 238,186
6 Claims. (Cl. 172—237)

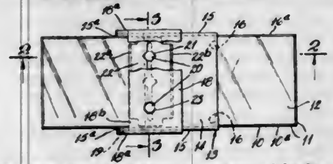


1. An electrical system comprising transformer means, a dynamo-electric machine connected to said transformer means and supplied thereby, and means for protecting the machine against voltage surges comprising a capacitor and a resistor connected in series between each terminal of the machine and ground, the capacitance C and resistance R of said capacitor and resistor being such that

$$R^2\left(\frac{1}{L_1}+\frac{1}{L_2}\right)=\frac{2}{C}$$

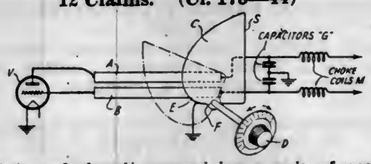
where L_1 and L_2 are the inductance per phase of the transformer and of the dynamo-electric machine, respectively.

2,246,927
BLADE STROPPING DEVICE
Frank J. Schalow, Brooklyn, N. Y.
Application September 29, 1939, Serial No. 297,092
9 Claims. (Cl. 51—221)



8. A device for holding a razor blade in the operation of sharpening the same, said device comprising a pair of members pivotally coupled at the forward ends thereof, means for keying a blade between said members to dispose the edge of the blade in alinement with the forward edge of said device, and means at the opposite edge of the device for supporting the same in inclined position.

2,246,928
TUNED CIRCUIT
John R. Schick, Santa Ana, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application March 22, 1939, Serial No. 263,357
12 Claims. (Cl. 178—44)



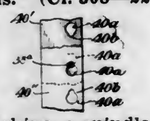
6. A tuned circuit comprising a pair of parallel electrical conductors, and means for tuning said circuit comprising a metallic element positioned adjacent said conductors and capacitively coupled thereto and movable over an appreciable portion of the length of said conductors, said metallic element in one extreme position being adjacent and capacitively coupled to at least one-half the physical length of said conductors.

2,246,929
CIGARETTE
James C. Seney, Lawrence, Mass., assignor of one-fourth to James J. Sullivan, Andover, Mass., and three-eighths to George M. Austin, Lawrence, Mass.
Application March 28, 1940, Serial No. 326,376
6 Claims. (Cl. 131—4)



1. An improved cigarette comprising in combination, an outer casing, a fire resisting member located inside said casing, said fire resisting member comprising a pellet having an outer shell composed of tin-foil and a core of fire resisting material, said pellet being located in said casing adjacent one end of said cigarette, and cigarette tobacco located in said casing at either end of said pellet.

2,246,930
VOTING MACHINE
Ransom F. Shoup, Ardmore, Pa., assignor to The Shoup Voting Machine Corporation, Philadelphia, Pa., a corporation of Delaware
Application January 18, 1940, Serial No. 314,384
2 Claims. (Cl. 308—22)



2. In a voting machine, a spindle having a circular portion terminating at each edge in portions of greater cross-section than said circular portion, a two-part supporting member with each part having an opening for receiving said spindle, said openings being identical in shape but

oppositely arranged and each opening including an arcuate portion of proper size snugly to receive one-half of the circular portion of said spindle with the two portions so related as to completely encircle the cylindrical portion of the spindle and a second arcuate portion of sufficient size to receive said larger cross-section portions of the spindle with the two second arcuate portions so related as to be misalined when the first two arcuate portions are in circle-forming relation, and means for releasably supporting said two supporting member parts with said first arcuate portions in circle-forming relation.

2,246,931

METHOD OF FABRICATING CONNECTING LEADS

Edward Chiffey, Harrow, England, assignor to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain

Application January 26, 1939, Serial No. 252,911
In Great Britain February 1, 1938
1 Claim. (Cl. 29—155.55)



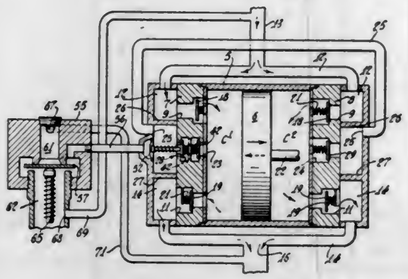
The method of fabricating connecting leads for electrical apparatus which consists in forming on the end of a length of wire used as the connecting lead itself a head portion of frusto-conical formation which tapers towards the wire stock, and then flattening said head portion to form a connecting lug.

2,246,932

COMBINATION SINGLE AND TWO STAGE VACUUM PUMP

Lester L. Collins, Franklin, Pa., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey

Application September 21, 1939, Serial No. 295,929
16 Claims. (Cl. 230—40)



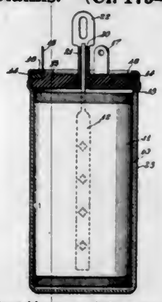
1. A valve assembly including a set of ring valves arranged to prevent the passage of air through the assembly in one direction, and a second set of ring valves arranged to prevent the passage of air therethrough in the opposite direction, whereby said sets of ring valves cooperate to prevent normally the passage of air through said assembly in either direction and whereby to permit the passage of air therethrough in one direction only upon actuation of one of said sets of valves.

2,246,933

ELECTRICAL CAPACITOR

Paul McKnight Deeley, Plainfield, N. J., assignor to Cornell-Dubilier Electric Corporation, South Plainfield, N. J., a corporation of Delaware

Application April 5, 1939, Serial No. 266,076
4 Claims. (Cl. 175—315)



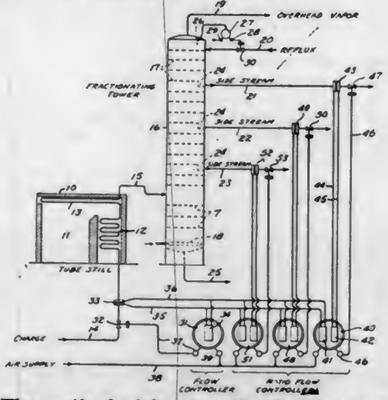
1. In combination with an electrolytic capacitor comprising a metal can and at least one filmed electrode mounted therein, a molded insulating disc liquid-tightly secured to an opening of said can, a metallic sleeve fixedly molded in said disc and projecting outwardly from said disc, a wire tab having one end secured to said electrode and having its opposite end inserted in said sleeve, said sleeve and tab being of the same material as said electrode, a metallic terminal element having a flanged sleeve fitting over said first sleeve being also fixedly molded in said disc, both said sleeves being deformed into firm mechanical and electrical contact with each other and said tab.

2,246,934

FRACTIONAL DISTILLATION

Courtlandt F. Denney, Westfield, N. J., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York

Application November 26, 1938, Serial No. 242,464
12 Claims. (Cl. 196—132)



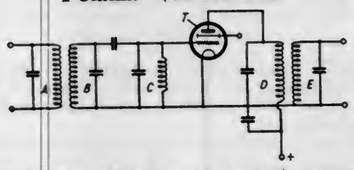
7. The method of fractionally distilling hydrocarbon oils and the like which comprises introducing vaporized oil into a fractionating zone, passing vapors of the oil countercurrent to reflux in said zone, withdrawing a side stream from said zone, controlling the quantity of side stream so withdrawn in response to the rate of flow of the side stream from said zone, modifying said controlling action in response to the rate of flow of a fluid stream in another flow path connected with said zone, and controlling the other flow path to maintain a substantially uniform rate of flow of the stream therethrough, the resultant of said controlling actions being operative to maintain a substantially constant ratio of flow of said streams irrespective of variations in quantity or temperature of the oil introduced into said zone so long as such oil contains the components of said side stream in vapor or in vaporizable form under the operating conditions present.

2,246,935

BAND-PASS FILTER

Richard Feldtkeller, Stuttgart, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie mit beschrankter Haftung, Berlin, Germany, a corporation of Germany

Application November 1, 1938, Serial No. 238,157
In Germany November 16, 1937
1 Claim. (Cl. 178—44)



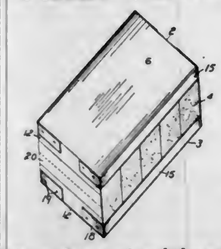
A band-pass filter arrangement comprising three parallel tuned circuits connected in cascade, the first two circuits being inductively coupled and the last two circuits being capacitively coupled and the first and last circuits being symmetrically detuned in reference to the middle circuit, an amplifier tube having its input connected to the output of said three tuned circuits, and a two-circuit band-pass filter connected to the output of said tube, the combined effect of said filters resulting in a substantially flat-topped resonance curve with steep sides and a substantially linear phase curve.

2,246,936

BRICK PACKAGE

Harry Frederick Grau, Beaver Falls, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application September 10, 1938, Serial No. 229,267
6 Claims. (Cl. 206—46)



1. A brick package of pulpboard material comprising upper and lower body portions of similar size and shape, each body portion being formed from a rectangular blank providing respectively the top and bottom members of the completed package, peripheral portions of said blank being folded inwardly to form side walls of the body portion, opposite side walls having flanges integral therewith overlapping to some extent adjacent side walls and being secured thereto, side walls of said upper body portion meeting similar side walls of said lower body portion in abutting relationship while the remaining side walls of said upper body portion are spaced from similar side walls of said lower body portion, and means overlying the abutting edges of said side walls serving to secure the body portions against separation or relative shifting.

2,246,937

POLYMERIZATION OF DIOLEFINS

Henri Martin Guinot, Niort, France, assignor to Les Usines de Melle, Melle, (Deux-Sevres), France, a joint-stock company of France

No Drawing. Application August 28, 1939, Serial No. 292,363. In France September 16, 1938
12 Claims. (Cl. 260—93)

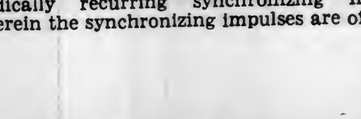
1. A process for the catalytic polymerization of diolefins in which there is used as a catalyst a peroxide selected from the group consisting of the peroxides of tetrahydro-furfurane and its homologues.

2,246,938

SLIDE NEEDLE FOR TAKING UP LOOPS

Adolf Holub, Vienna, Germany

Application December 11, 1940, Serial No. 369,592
In Germany December 4, 1939
3 Claims. (Cl. 66—117)



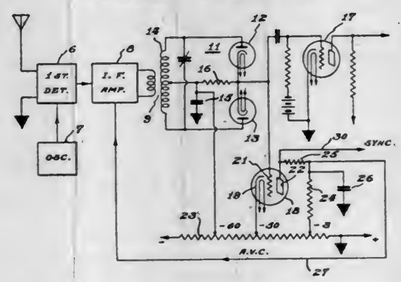
1. A slide needle comprising a hook portion and a hollow shank portion having an opening, slide means longitudinally slidingly disposed in said hollow shank portion, said slide means comprising a sheet metal member adapted to close said hook portion in one end position of said slide means and comprising a resilient tongue member connected at one end with said sheet metal member and having a heel portion at its free end projecting from said hollow shank portion through said opening when said slide means is in a position remote from said hook and adapted to resiliently swing into said hollow shank portion.

2,246,939

TELEVISION RECEIVER

Ralph S. Holmes, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

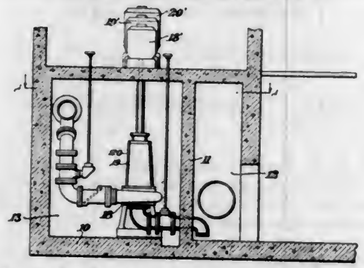
Application May 28, 1938, Serial No. 210,611
6 Claims. (Cl. 178—7.3)



1. In a television receiver for the reception of a carrier wave negatively modulated by a composite signal comprising picture signals and periodically recurring synchronizing impulses wherein the synchronizing impulses are of great-

er amplitude than picture signals of like polarity, said received carrier wave containing the direct current component of the picture signals, means for intercepting said carrier wave, means for demodulating said carrier wave to produce said picture signals and their direct current component and said synchronizing impulses, an amplifier connected in cascade with said modulating means, a rectifying device which is direct current connected across the output circuit of said demodulating means, means for making said rectifying device rectify only the peaks of said synchronizing impulses, means for integrating or smoothing said rectified peaks whereby a gain control voltage is obtained which is a measure of the heights of said synchronizing impulses, and means for controlling the gain of said amplifier in accordance with said gain control voltage.

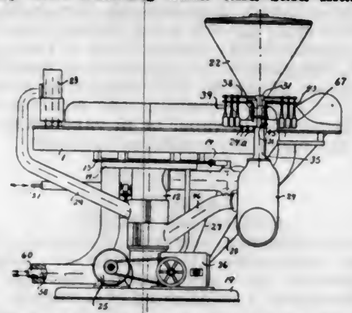
2,246,940
PUMP CONTROL
John William Hood, Ridgewood, N. J., assignor to Millard F. Smith, Montclair, N. J.
Application March 21, 1939, Serial No. 263,132
8 Claims. (Cl. 103—25)



1. A control means for a pumping system which pumps from a well supplied by a varying flow, and has a plurality of pumps of different pumping capacities, a driving motor for each of said pumps, a switch for energizing each motor, and a control circuit for closing each of the switches, said control means comprising: a flow-controlled switch in each control circuit, a fluid level controlled switch in series with the flow-controlled switches, so that each control circuit is energized to close the corresponding motor switch when its flow-controlled switch and the fluid level controlled switch are both closed, a device responsive to the rate of flow for closing the flow-controlled switch in the control circuit which corresponds to the rate of flow and opening the flow-responsive switches in the other control circuits, and a device responsive to the fluid level in the well for closing the fluid level responsive switches at a high level and opening them at a low level.

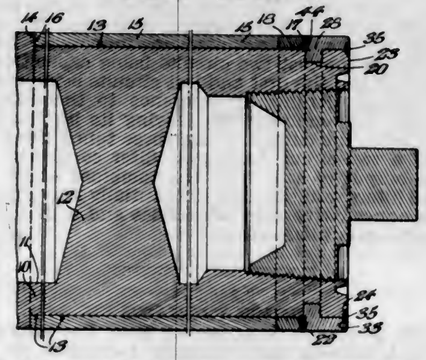
2,246,941
REFRIGERATION APPARATUS AND METHOD
Oluf Høyer, Vojens, Denmark
Application January 13, 1938, Serial No. 184,732
In Denmark January 15, 1937
19 Claims. (Cl. 62—114)

1. The method of freezing ice-cream sticks, which comprises forming a plurality of separate masses of cream, causing said masses to carry out a circulatory motion, freezing each of said masses by subjecting it to a freezing bath while causing said freezing bath and said masses to participate jointly in a part of said circulatory motion, and then slightly thawing each of said masses by subjecting it to a thawing bath while causing said thawing bath and said masses to



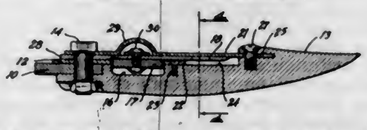
participate jointly in another part of said circulatory motion.

2,246,942
PISTON
Walter T. Janney and Maximillian H. Sorensen, Philadelphia, Pa., assignor to Janney Cylinder Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 13, 1937, Serial No. 158,878
6 Claims. (Cl. 309—4)



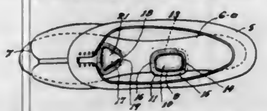
1. A composite plunger comprising a plunger body having a peripheral groove substantially close to one end, a sleeve mounted axially on the body with an end aligned with the wall of said groove, a flanged ring mounted on the body with its flange in said groove in abutting engagement with said end of said sleeve, said ring having a sleeve-engaged face having crushable face components to permit sleeve expansion.

2,246,943
MOWER SICKLE BAR
Henry Jones, Alliance, Nebr.
Application May 9, 1940, Serial No. 334,177
2 Claims. (Cl. 56—298)



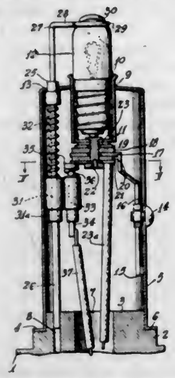
1. A mower sickle comprising: a knife bar; a series of triangular knife sections secured along said bar with their apexes projecting forward along one side thereof, the projecting edges being bevelled upwardly and forwardly from the bottom faces; a stationary cutting member for each knife section; a cutter bar; spaced guards along said cutter bar; a ledger plate in each guard; means for supporting the ledger plates in said guards above said knife sections; an upwardly projecting portion on each guard ahead of said knife sections and having a horizontal slot positioned above said knife section, said slot being rounded to form a semi-circular socket; a vertical stud member at the axis of said socket, the extremities of said ledger plates being rounded to fit the contour of said sockets and being provided with a notch for engaging said stud; and means for securing the rearward extremities of said ledger plates to said cutter bar.

2,246,944
FOOT GRIPPER FOR SHOES
Martin J. Larkin, West Hartford, Conn., assignor of one-half to Francis J. O'Neil, and one-tenth to Helen H. O'Neil, both of Hartford, Conn.
Application January 18, 1939, Serial No. 251,565
4 Claims. (Cl. 36—71)



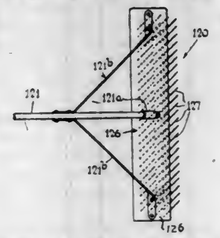
4. A shoe comprising a sole, an inner sole overlying said sole, a pad secured to the said sole and exposed through an opening in said inner sole, the portion of the edge of said opening towards the rear of said shoe overlying the edge of said pad and the edge of said pad towards the front of said shoe overlying the edge of said opening, and means providing a pneumatic portion in said pad.

2,246,945
PROTECTIVE DEVICE FOR ELECTRIC LAMP ASSEMBLIES
Charles V. Lindbloom, Cranford, and Harold B. Hendrix, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application July 29, 1938, Serial No. 221,892
7 Claims. (Cl. 240—11.3)



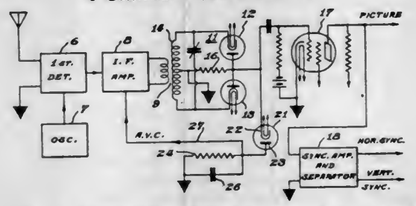
1. In combination, an incandescent lamp socket, a housing for said socket, a lamp bulb in the socket having a filament supported therein, a quenching element engaging the bulb, and moveable in a path extending through the bulb filament, a support member integral with said element, extending into the housing adjacent the socket, disposed for movement substantially longitudinally therein, and resilient means within the housing engaging said member to move the quenching element through the filament upon fracture of the bulb.

2,246,946
PLANTING, GARDENING, AND LANDSCAPING APPARATUS
Leo Lupo, New York, N. Y.
Application May 4, 1940, Serial No. 333,286
2 Claims. (Cl. 55—3)



1. In a device of the character described, a rake construction comprising a plurality of rows of uniformly spaced teeth arranged in staggered alignment, means formed with a surface plane for supporting consecutive rows of the teeth in the same plane with the direction of the axis of each tooth extending at an oblique angle with respect to said surface plane and at an oblique angle with respect to a plane extending at right angles with respect to said surface plane, and means for advancing said rake through a harrowed ground area spread initially with "planting material" on the soil surface of said area with said teeth extending in a direction away from the direction of said advancing movement of the rake for turning under successive portions of the surface soil spread with said "material" to a uniform depth below said initially spread position thereof, the staggered spacing and positioning relation of the rake teeth and said means being so constructed and arranged to effectuate said turning under a region about each tooth sufficient to abut like regions of the adjacent teeth so that the entire ground traversed in the advance movement of the teeth by said means is completely and evenly worked over.

2,246,947
AUTOMATIC GAIN CONTROL
Ciro C. Martinelli, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1938, Serial No. 210,614
6 Claims. (Cl. 178—7.3)



1. In a television receiver for the reception of a carrier wave modulated by a composite signal comprising picture signals and their direct current component and periodically recurring synchronizing impulses wherein said impulses are of greater amplitude than picture signals of like polarity and wherein said impulses modulate said carrier wave in the direction to make the carrier

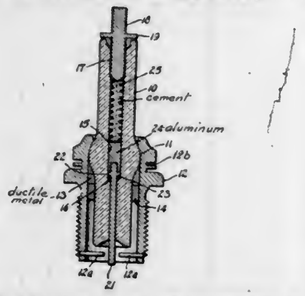
wave of maximum amplitude representative of said impulses, means for intercepting said modulated carrier wave, means for demodulating said carrier wave to produce a demodulated signal including said composite signal and said direct current component, an amplifier connected in cascade with said demodulator, a diode and a resistor in series with each other to form a series combination, a condenser in shunt to said resistor, means for impressing said demodulated signal including said direct current component across said series combination with the correct polarity to make said impulses produce a periodic flow of current through said diode to charge said condenser, said resistor and said condenser in series having a time constant such that said condenser discharges only a slight amount between successive synchronizing impulses whereby said diode passes only the peaks of said impulses, and means for controlling the gain of said amplifier in accordance with the resulting A. V. C. voltage appearing across said resistor.

2,246,948

SPARK PLUG AND METHOD OF MAKING SAME

John Ellsworth D. McCarty, Akron, Ohio, and Melville F. Peters, Beltsville, Md.

Application December 12, 1939, Serial No. 308,882
15 Claims. (Cl. 123—169)



1. In a spark plug, a hollow porcelain, a center electrode received in and extending only partially through the bore of said porcelain, means at the top of said electrode securing same in said porcelain whereby downward expansion of said electrode relative to said porcelain is permitted on increase in temperature.

13. In a spark plug, a hollow metal shell, a porcelain having an integral rounded boss formed thereon positioned in said metal shell, a ductile metal sleeve wedged between said metal shell and said porcelain and bearing against the lower portion of said boss to aid in positioning said porcelain, and a second metal sleeve bearing on the lower edge of said first sleeve and being wedged between said porcelain and said shell to reenforce said first sleeve.

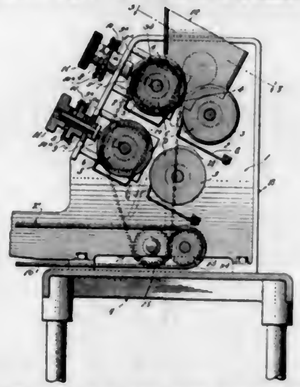
2,246,949

DOUGH-PIECE SHAPING MACHINE

Edward T. Parsons, Upper Montclair, N. J., assignor to Thomson Machine Company, Belleville, N. J., a corporation of New Jersey

Application June 25, 1940, Serial No. 342,225
3 Claims. (Cl. 107—9)

1. A machine of the character described for shaping dough into rolls or buns, comprising a first mechanism including two relatively movable members each having a shallow concave surface to cooperate with and in spaced relation and complemental to the concave surface of the other to form an approximately oval space between them to receive a lump of dough of a size to form a roll, the ends of said space being open and the major axis of said space being several times greater in length than its minor axis, means for actuating said members to cause relative movement of said surfaces for pressing and stretching said lump of dough between them to form an elongate piece of oval cross-section, a second mechanism including two relatively movable members having opposed straight parallel surfaces spaced apart a distance less than the length



of said minor axis of said oval space between the members of said first mechanism and greater than the distance between said concave surfaces at the ends of said oval space to receive said piece between them from said first mechanism with the minor axis of said piece approximately perpendicular to said parallel surfaces, and means for actuating said members of the second mechanism to cause relative movement of said parallel surfaces and press and transversely stretch said pieces of dough into a shape approximately oval in cross-section in all planes transverse of said piece.

2,246,950

CATALYST REGENERATION

Edward B. Peck, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 17, 1938, Serial No. 196,425
5 Claims. (Cl. 252—242)

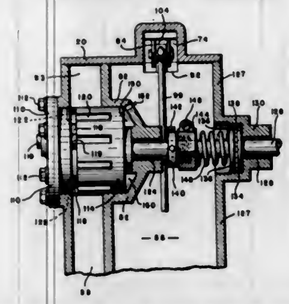
1. An improved method for the rapid regeneration without injury of a catalyst mass used for the conversion of higher boiling hydrocarbons into lower boiling hydrocarbons which has lost activity through the deposition of coke or tarry matter upon its surface which comprises subjecting the catalyst mass to the effect of oxygen containing gas at about the minimum ignition temperature for the oxygen concentration optimumly adjusted for the particular catalyst to be regenerated, which oxygen containing gas starts ignition of the coke or tarry matter and causes the temperature of the said catalyst mass to rise, subjecting the said catalyst mass when the temperature in said mass has reached a temperature just below that at which the deterioration of the catalyst commences to the effect of cooling inert gases not containing an effectual amount of oxygen until the temperature of said catalyst mass has reached a minimum ignition temperature, then subjecting the catalyst mass to substantially similar succeeding cycles.

2,246,951

PUMP UNIT FOR LIQUID DISPENSING APPARATUS

William J. Peter, New York, N. Y., assignor to Aqua Systems Inc., a corporation of New York

Application February 15, 1938, Serial No. 190,559
3 Claims. (Cl. 103—42)



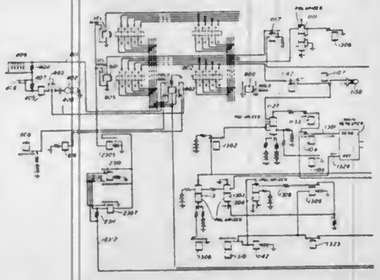
1. A pumping unit comprising a casing having inlet and outlet connections, a pump chamber in said casing in communication with said connections, a liquid return chamber in communication with said inlet connection, aligned bearings mounted in a wall of said pump chamber and a wall of said liquid return chamber, a drive shaft supported for sensitive axial movement in said bearings, pumping means secured to said drive shaft and movable therewith axially within said pump chamber, means for resiliently urging said pumping means axially into pumping engagement with a portion of said pump chamber, means providing an intercommunicating passage between a space in said pump chamber behind said pumping means and said liquid return chamber, and adapted to permit ready discharge to said liquid return chamber of liquid collected in said space upon axial movement of said pumping means in response to a back pressure in excess of a predetermined amount.

2,246,952

SIGNALING SYSTEM

Wilton T. Rea, Bayside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 16, 1939, Serial No. 262,152
5 Claims. (Cl. 178—2)



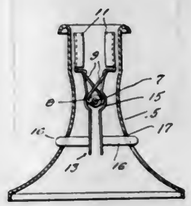
1. In a communication system, a plurality of lines, a plurality of trunks, a switch for interconnecting said lines and said trunks, a director circuit for setting said switch, means for temporarily assigning said director circuit to an individual one of said trunks and a set of relays in said director circuit each having an equal time of movement in each direction, said relays being responsive to permutation code impulses received over said individual one of said trunks for translating said permutation codes into switch setting circuit conditions.

2,246,953

CANDLE HOLDER FOR CANDLESTICKS

Joseph D. Romano, Joliet, Ill.

Application August 14, 1939, Serial No. 290,097
1 Claim. (Cl. 67—23)



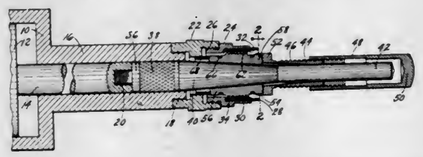
In a candlestick having a candle receiving socket therein, a rod mounted transversely in said socket, clamping jaws in said socket, grooved levers extending from said jaws and supporting the same on said rod in said socket, a spring on said rod between said levers, arms on said spring engageable in said grooves for closing said jaws and handles on said levers extending through said candlestick for opening said jaws.

2,246,954

EXTRACTOR FOR HOSE COUPLINGS

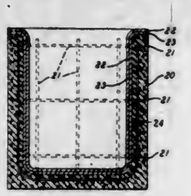
William O. Schleinitz, Dayton, Ohio

Application November 26, 1938, Serial No. 242,512
3 Claims. (Cl. 29—88.2)



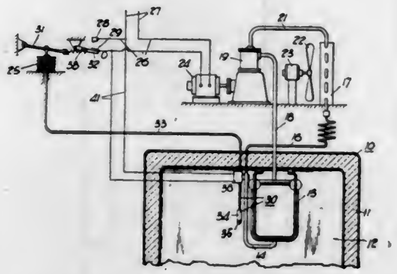
1. The combination, in a machine for removing liners from hose couplings, of a press having a stationary portion and a movable part, an axially movable mandrel secured to said movable part, said mandrel having a tapered portion intermediate its ends, a chuck body slidable axially over said mandrel, radial guideways in said body, radially movable chuck jaws having guides in said guideways, sharp teeth on the outside of said jaws, said jaws having tapered inner surfaces bearing on the tapered portion of the mandrel, a coupling holder secured to said stationary portion positioned for holding a coupling with the liner surrounding said teeth, an externally threaded hollow shank on said chuck body, an internally threaded cap axially adjustable by screwing it endwise over said shank, said cap having the one end closed and adapted to intercept the end of the mandrel and stop relative movement between the mandrel and the chuck body when the teeth are sufficiently imbedded in the liner, said movable part being adapted for forcing said mandrel axially with respect to the chuck body and jaws until the end of the mandrel encounters the closed end of the cap and thereafter forcing both mandrel and chuck body together with respect to said holder to thereby remove said liner.

2,246,955
RECEPTACLE
William A. Scheuch, Great Kills, Staten Island, N. Y., assignor to Nassau Smelting & Refining Company, Incorporated, New York, N. Y., a corporation of New York
Application December 30, 1938, Serial No. 248,469
11 Claims. (Cl. 72—14)



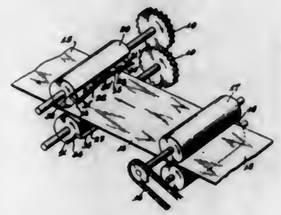
1. In a container for corrosive liquids having a hollow body of suitable material, means to protect the material of the body against corrosion by liquids contained therein, the said means including a lining of solid material comprising a cashew shell oil condensation product, and a layer of adhesive material interposed between the body and the lining and consisting of a condensation product of cashew shell oil and an aldehyde.

2,246,956
REFRIGERATION APPARATUS
Harold D. Shaw, Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 15, 1939, Serial No. 284,634
10 Claims. (Cl. 62—4)



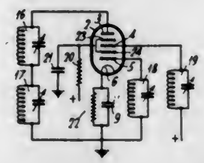
1. In a mechanical refrigerator, the combination of an insulated cabinet, a cooling unit therefor, means for supplying refrigerant to said cooling unit, and a controlling device for said means comprising a vessel having a first portion thereof in heat exchange relationship primarily with the media in said cabinet and a second portion in heat exchange relationship primarily with the cooling unit, a volatile fluid in said vessel, said fluid being partially in the liquid phase, means responsive to the vapor pressure of said fluid for starting and stopping the flow of refrigerant from the refrigerant-supplying means to the cooling unit, and means for heating the second portion of the vessel substantially solely during the period between the stopping and the starting of the flow of refrigerant to the cooling unit to maintain the temperature of the second portion of said vessel above that of the first portion thereof during said period.

2,246,957
CONTINUOUS ROTARY SHEARING MECHANISM
Albert F. Shields, Jamaica, N. Y., assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Application February 20, 1939, Serial No. 257,471
23 Claims. (Cl. 164—66)



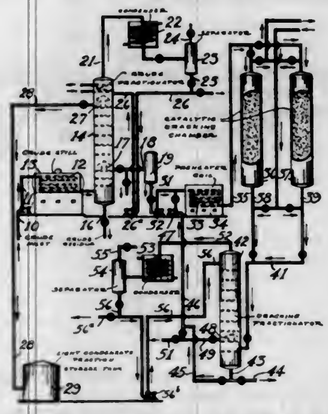
16. A rotary shearing mechanism for a continuously moving web comprising a pair of knives mounted on respective opposed rotary elements, one of said knives having its shearing edge tapered inwardly from the outer sides into a V formation along a direction transverse to the web, both halves of said V-shaped knife being symmetrical about the center thereof, said V-tapered knife edge being curved along the direction transverse to the web to form a curtate epitrochoid in the radial direction for each half of the V blade portion, adjacent blade portions being symmetrical in this space curvature with respect to each other, the shearing edge of the coacting knife also being tapered inwardly from the outer sides into a V formation and curved substantially into a curtate epitrochoid when projected on a radial plane whereby a symmetrical cutting action is produced by the knives on the web for firmly holding the sheet during shearing and straight delivery thereof after cutting.

2,246,958
RECTIFYING ARRANGEMENT FOR ULTRA SHORT WAVES
Maximiliaan Julius Otto Strutt and Aldert van der Ziel, Eindhoven, Netherlands, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application May 18, 1938, Serial No. 208,570
In Germany July 10, 1937
11 Claims. (Cl. 250—27)



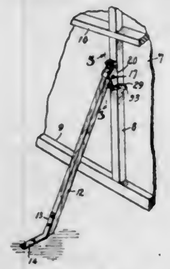
1. A circuit for the rectification of ultra-short oscillations, comprising an electron discharge tube provided with an anode, a cathode and at least two grids interposed therebetween, means for impressing the oscillations to be rectified between only the anode and cathode, a high impedance across which the rectified oscillations are developed connected only between one of the grids and the cathode, and means for maintaining the second grid positively biased with respect to the cathode.

2,246,959
CATALYTIC CRACKING OF HYDROCARBON OIL
William J. Sweeney, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application November 18, 1937, Serial No. 175,208
1 Claim. (Cl. 196—50)



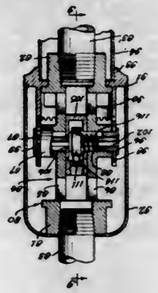
In the catalytic cracking of hydrocarbons to produce a motor fuel containing gasoline constituents, wherein uncracked gas oil vapors are contacted with a solid adsorptive catalyst, the steps of providing a liquid starting material consisting of gas oil which contains gasoline constituents, removing from such gas oil substantially all constituents within the gasoline boiling range so that the resulting uncracked gas oil fraction will have an initial boiling point from about 450° F. to about 478° F. and converting the resulting gas oil fraction free of gasoline constituents in the presence of a catalyst to produce a gasoline motor fuel having a materially higher anti-knock value than a gasoline motor fuel produced under substantially the same conditions and catalyst from the gas oil fraction which contains the gasoline constituents.

2,246,960
BRACE MEANS
George W. Tyson, Los Angeles, Calif.
Application September 6, 1940, Serial No. 355,585
6 Claims. (Cl. 272—23)



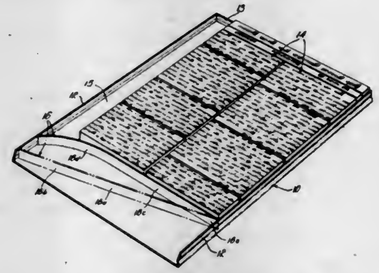
1. A device for engaging a rib on the rear of artificial scenery, comprising a brace member having movable teeth arranged to engage the rib at opposite sides thereof, and spring means tending to urge the teeth substantially in opposite directions, into engagement with the rib.

2,246,961
LAMP SWITCH MECHANISM
John F. Voogt, Wilmington, Calif.
Application March 14, 1938, Serial No. 195,738
4 Claims. (Cl. 200—17)



1. In a switch: a body member; switch terminals mounted in said body member; a pair of bearing members rotatably mounted in said body member; a shaft rigidly supported at each end in said bearing members; a contact element rotatably mounted on said shaft for connecting and disconnecting said terminals; a pinion rotatably mounted on each of said bearing members; a ratchet mechanism between each of said pinions and said bearing members for driving said bearing members and said shaft as a unit in one direction only; a gear rotatably mounted on said body member and engageable with said pinions for rotating said pinions in opposite directions; and an operating member attached to said gear.

2,246,962
GALLEY LOCK
Webster G. Wiley, Glendale, Calif.
Application May 29, 1940, Serial No. 337,931
5 Claims. (Cl. 276—43)

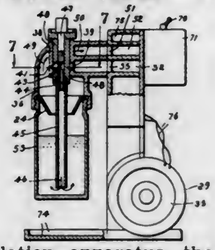


1. A lock adapted to hold work in a galley having inwardly facing side surfaces, said lock consisting of a normally straight element substantially longer than the distance between said surfaces and made of metal of about 0.030 to 0.050 in. thickness having an elastic limit between 80,000 to 130,000 pounds per sq. in., said element being adapted to be inserted in flexed condition between said galley surfaces and, by virtue of its flexed condition, to frictionally engage the surfaces and bear intermediate its ends directly against the work, and said element having substantially less than complete resiliency to facilitate its removal from between said surfaces, such that when removed the element will retain a considerable degree of its flexed deformation.

2,246,963
MANUFACTURE OF STYPHNIC ACID
John W. Wilkinson, New Haven, Conn., assignor to Western Cartridge Company, New Haven, Conn., a corporation of Delaware
No Drawing. Application April 19, 1940, Serial No. 330,531
5 Claims. (Cl. 260—622)

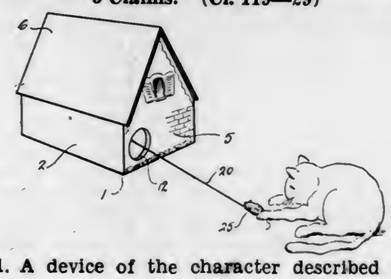
1. In the manufacture of trinitroresorcinol by the sulphonation of resorcinol with sulphuric acid and subsequent nitration with nitric acid the step which comprises adding a nitrite to the sulphuric acid.

2,246,964
INHALATION THERAPY APPLICATOR
John R. Wolfe, Los Angeles, Calif.
Application December 28, 1938, Serial No. 248,050
2 Claims. (Cl. 128—186)



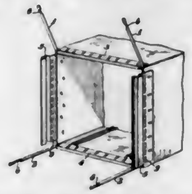
2. In inhalation apparatus, the combination of: a vertically mounted enclosure with front and rear walls spaced apart; partitions within said enclosure transverse to said walls, forming with said walls a plurality of passages, one of said passages constituting an entrance manifold and another of said passages constituting a discharge manifold, and still another constituting an inlet passage having access to atmospheric air; a blower taking in air from said inlet passage and discharging it to said entrance manifold; a plurality of containers each supported from one of said walls by a supporting member having a first passage therethrough connecting with said entrance manifold and a second passage therethrough connecting with said discharge manifold; liquid in each of said containers containing a medicament in suspension; a tube in each of said containers extending downwardly into said liquid; and valve means associated with each of said containers adapted in one position to permit air from said first passage to pass through said tube and said liquid out into said second passage, and in another position to bypass air from said first passage into said second passage without any passing through said tube.

2,246,965
PLAYTHING
Daniel D. Yoder, Seattle, Wash.
Application May 31, 1940, Serial No. 338,155
5 Claims. (Cl. 119—29)



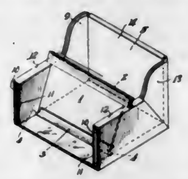
1. A device of the character described comprising a housing having an outside opening of a restricted nature, means in the housing for maintaining yieldable tension on and for drawing in a line, a line attached at one end to said means, an artificial mouse affixed to the other end of the line and adapted to be drawn out from the housing through the said opening, and to be drawn by the line back into the housing by said means when released.

2,246,966
REINFORCED END FOR CONTAINERS
Philip Zalkind, New York, N. Y.
Application August 23, 1938, Serial No. 226,235
5 Claims. (Cl. 229—41)



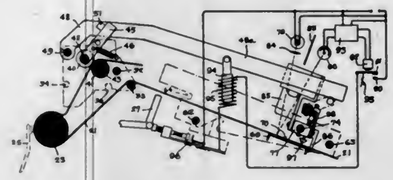
1. In a casing having an open end and top, bottom and side walls: an angle wire, one leg of which is secured at the edge of one of said walls; another angle wire, one leg of which is secured at the edge of an opposed wall; said angle wires being rotatable on said secured legs into position to be engaged at the edge of an adjacent wall; means for holding said angle wires in place at said edge of said adjacent wall for maintaining said opposed walls and said adjacent wall in rigid angular relation; and additional means on each of said angle wires adapted to interengage said angle wires for maintaining said opposed walls in predetermined spaced relation to each other.

2,246,967
FOLLOW BLOCK
Philip Zalkind, New York, N. Y.
Original application February 1, 1936, Serial No. 61,859. Divided and this application October 12, 1938, Serial No. 234,529
1 Claim. (Cl. 129—26)



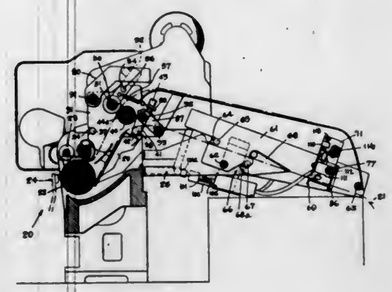
A follow block for a drawer, said follow block comprising a blank of sheet material somewhat narrower than the drawer with which it is associated; a metallic reinforcing member on the top edge of said blank, said reinforcing member being somewhat wider than the inner width of the drawer with which it is associated; and means secured to said blank adapted to cooperate with the sides of said drawer to position said follower in said drawer, said means including a metallic reinforcing member secured to the bottom edge of said follow block, said last named metallic reinforcing member being provided with pointed ends adapted to engage the side walls of the drawer.

2,246,968
TYPEWRITING MACHINE
Louis C. Antrim, New York, N. Y., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application February 17, 1939, Serial No. 256,955
11 Claims. (Cl. 197—133)



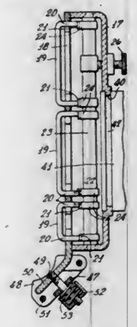
1. In a typewriting machine of the type described, an attachment having feeding means including a pair of feed rollers for feeding a continuous strip through the machine, said strip having a succession of printed forms thereon; means for operating the feeding means to quickly eject a form from the machine; photoelectric means carried by the attachment and controlled by the advancing continuous strip for separating the feed rollers to stop the advance of the strip when the first line of writing on the next succeeding form is in proper writing position; normally inoperative brake means carried by the attachment; and means for applying the brake means to the strip simultaneously with the separation of the feed rollers.

2,246,969
TYPEWRITING MACHINE
Louis C. Antrim, New York, N. Y., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application December 28, 1940, Serial No. 372,100
20 Claims. (Cl. 197—133)



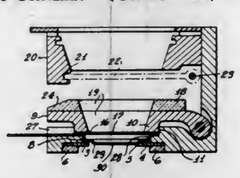
1. In a typewriting machine of the type described, means for feeding a continuous strip having a succession of printed forms thereon through the machine as line after line is written; means for operating the feeding means to continuously and quickly eject the remaining portion of a form from the machine; and means rendered operative by the trailing portion of a succeeding form of the advancing continuous strip for controlling the feeding means during the ejecting period to stop the advance of the strip when the first line of writing on the next succeeding form is in proper writing position.

2,246,970
FILM PRESSER PAD ASSEMBLY
Karl Brenkert, Detroit, Mich., assignor to Brenkert Light Projection Company, Detroit, Mich., a corporation of Michigan
Original application January 21, 1939, Serial No. 252,149. Divided and this application May 24, 1939, Serial No. 275,425
6 Claims. (Cl. 88—17)



1. A film gate comprising a body, a vertical series of pads slidably mounted therein, a vertical rod journaled in said body, horizontal springs anchored directly to said rod and engaging said pads, and means for adjusting the angular position of said rod against the tension of said springs, whereby to adjust said tension.

2,246,971
APERTURE PLATE
Karl Brenkert, Detroit, Mich., assignor to Brenkert Light Projection Company, Detroit, Mich., a corporation of Michigan
Application January 5, 1940, Serial No. 312,464
6 Claims. (Cl. 88—17)

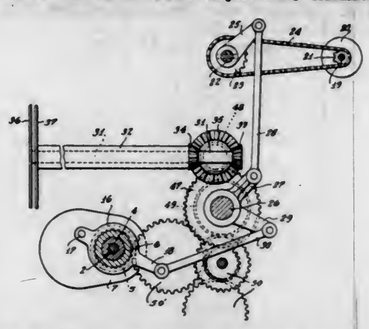


1. In a motion picture machine, a film-engaging plate having a circular opening therethrough, a retaining member movably mounted at the rear side of said plate, and an aperture plate insertable between said plate and member and having a circular portion adapted to seat in said opening, said retaining member being adapted to engage the inserted aperture plate, and means for retaining said aperture plate against rotation in said opening.

2,246,972
FRAMING MECHANISM AND SHUTTER COMPENSATOR
Karl Brenkert, Detroit, Mich., assignor to Brenkert Light Projection Company, Detroit, Mich., a corporation of Michigan
Application January 29, 1940, Serial No. 316,176
12 Claims. (Cl. 88—18)

1. In a motion picture machine, a film feeding mechanism including a constantly rotating drive member and an intermittently rotating member driven thereby, one of said members

being mounted for adjustment around the other; a frame structure, a shutter driving member rotatably and slidably supported thereby, a shutter driving gear spirally splined to said shutter driving member and held against sliding movement, means exclusive of said adjustable member for



sliding said shutter driving member relatively to said shutter driving gear, means for rotating said shutter driving member, and a connection between said sliding means and said adjustable member for adjusting the latter on actuation of said sliding means.

2,246,973

TREATMENT OF WOOD TAR DISTILLATE

Alfred A. Camilli, Crystal Falls, and Malcolm K. Johnston, Marquette, Mich., assignors to Cliffs Dow Chemical Company, Marquette, Mich., a corporation of Michigan

No Drawing. Application October 11, 1939, Serial No. 298,918
8 Claims. (Cl. 44—9)

1. The method which comprises subjecting the inhibitor oil derived from the tarry products of wood distillation to the action of an oxidizing agent, and separating the substantially unoxidized fraction from the tarry oxidation products, the product so obtained being light-colored, miscible with gasoline, and effective as an inhibitor in preventing gum formation in gasoline and like petroleum products.

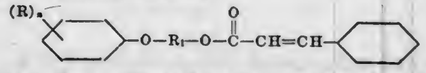
2,246,974

ARYLOXY ALKYL ESTERS OF CINNAMIC ACID

Gerald H. Coleman and Bartholdt C. Hadler, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application February 28, 1940, Serial No. 321,315
8 Claims. (Cl. 260—476)

1. An aryloxy-alkyl ester of cinnamic acid having the general formula:



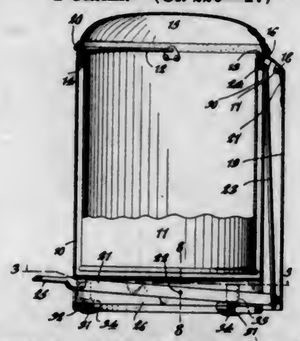
wherein R represents a substituent selected from the group consisting of aryl, cycloalkyl, and alkyl radicals containing at least 4 carbon atoms, and halogen, R_1 represents a lower alkylene radical containing at least 2 carbon atoms, and n represents an integer which has a value not greater than 2 when R represents an aryl, cycloalkyl, alkoxy, or alkyl radical containing at least 4 carbon atoms and not greater than 4 when R represents halogen.

2,246,975

SANITARY WASTE CAN

John F. Geibel, Buffalo, N. Y., assignor to Master Metal Products, Inc., Buffalo, N. Y., a corporation of New York

Application February 5, 1937, Serial No. 124,286
1 Claim. (Cl. 220—17)



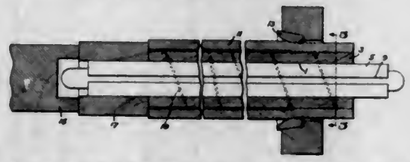
A receptacle of the character described, comprising an outer can-body having a metallic protecting ring extending around the inner side of its upper end and including a portion extending over the top edge thereof to provide an upwardly-facing seat, an inner can-body removably arranged in the outer can-body and having an outwardly-extending annular flange at its upper end including a substantially flat bottom face adapted to engage the seat portion of said protecting ring in the assembled position of the receptacle, said flange having a substantially convex top face, and a cover hinged to the outer can-body and including a depending flangeless rim portion having a rubber sealing band extending completely about the same for overall abutting engagement with the convex top face of said inner can-body flange.

2,246,976

PRINT ROLL

Joseph M. Goulding, Fairhaven, Mass., assignor to Revere Copper and Brass Incorporated, New York, N. Y., a corporation of Maryland

Application July 1, 1938, Serial No. 217,048
5 Claims. (Cl. 101—375)



1. A cylindrical print roll comprising an outer sleeve adapted for contact with the work, an inner sleeve for supporting said outer sleeve, which sleeves have closely fitting, contacting surfaces circular in cross-section; and means for positively interlocking said sleeves against relative axial and rotative movements comprising spaced parts separate from the sleeves and positioned between them and respectively relatively deeply embedded in both.

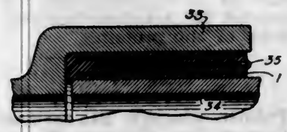
2,246,977

PIPE JOINT AND GASKET THEREFOR

Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application January 28, 1938, Serial No. 187,421
2 Claims. (Cl. 285—90)

1. A pipe joint comprising inner and outer pipes and a hollow annular inflatable rubber gasket interposed between said pipes, said gasket having an axially elongated fluid receiving cavity the side edges of which are spaced inwardly from the side edges of the gasket whereby the gasket has an expansible central portion adapted to



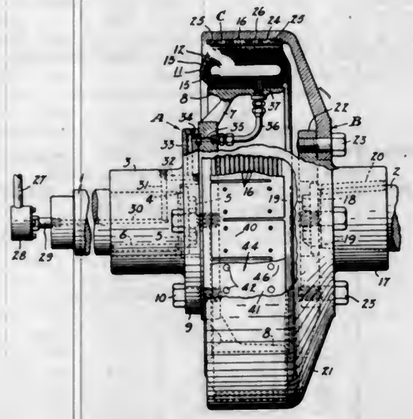
exert radial pressure against the inner and outer pipes and relatively thick edge portions outwardly of the expansible portion which are engageable with the pipes to resist rolling movements of the gasket and relative endwise movements of the pipes.

2,246,978

FRICTION DEVICE

Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application July 26, 1939, Serial No. 286,664
9 Claims. (Cl. 192—88)



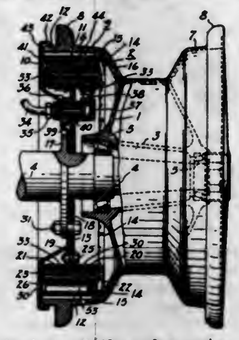
1. A device of the character described comprising a first member having a metal face, a second member having secured thereto a relatively soft yieldable element of a deformable composition material, said element having a friction face disposed in spaced relation to the metal face, and one of the members being movable relative to the other, a slide disposed between the faces and freely supported for movement relative to both members in the direction of movement of said movable member, said slide having on one side a metal surface directed toward the friction face and on the other side a relatively soft composition material with a friction surface directed toward said metal face, and means for forcing the friction face of the element toward the metal face to squeeze the slide therebetween while one member is moving relative to the other whereby the friction face engages the metal surface of the slide and the metal face engages the friction surface of the slide to frictionally arrest the relative movement between the members.

2,246,979

FRICTIONAL TORQUE TRANSMITTING DEVICE

Herman T. Kraft, Akron, and William C. McCoy, Shaker Heights, Ohio, assignors to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application October 30, 1939, Serial No. 301,970
14 Claims. (Cl. 188—152)



1. In a device of the character described, a pair of members one of which is rotatable relative to the other, a friction face on one of the members, a deformable rubber friction element on the other member, means for moving the element into engagement with the face, and retaining pins embedded in the rubber element and secured therein by vulcanization, said pins being interlocked with the member carrying the friction element and movable toward and away from the friction face with the friction element.

2,246,980

SYNTHESIS OF OLEFIN DERIVATIVES

Henry N. Lyons, Maplewood, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

No Drawing. Application March 13, 1937, Serial No. 130,801
11 Claims. (Cl. 196—10)

1. In a process for making a hydrocarbon olefin derivative containing from approximately six to twelve carbon atoms in which the olefin is obtained from a normally gaseous mixture containing undesired saturated hydrocarbons, the improvement which comprises extracting the said mixture containing an olefin and saturated hydrocarbons with a non-hydrocarbon selective solvent for the olefin to selectively remove the olefin from the mixture, passing the olefin in solution in said solvent through a reaction zone in intimate contact with a polymerization catalyst adapted to polymerize said olefin and produce a hydrocarbon derivative thereof of higher molecular weight, maintaining said catalyst and solvent mixture brought in contact therewith at a temperature of from 100% to 400% F. which is particularly adapted to effect said polymerization reaction, and separating the resulting hydrocarbon derivative from said solvent.

2,246,981

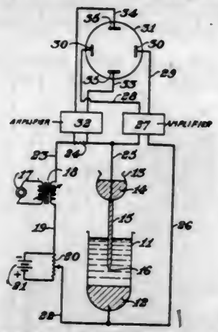
APPARATUS AND METHOD FOR ELECTROCHEMICAL ANALYSIS

Lorne A. Matheson, Nathaniel B. Nichols, Harold A. Robinson and Clyde F. Du Chene, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application August 27, 1938, Serial No. 227,088
13 Claims. (Cl. 175—183)

1. An electrochemical apparatus comprising

means for containing a solution to be analyzed, a reference electrode and an indicating electrode disposed to contact said solution, means for impressing a recurrent substantially linear volt-



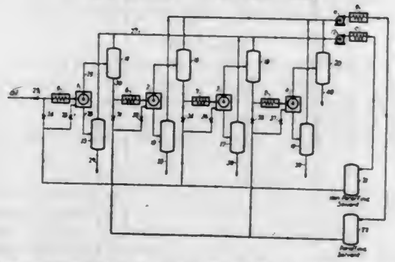
age sweep across said electrodes giving rise to a varying flow of current therebetween, and indicating means immediately responsive to the variations in said current.

2,246,982

PROCESS FOR FRACTIONATING HYDROCARBON OILS

Gerrit Willem Nederbragt, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application January 21, 1939, Serial No. 252,162
In the Netherlands March 11, 1938
12 Claims. (Cl. 196—13)



3. A process for separating hydrocarbon mixtures substantially free from asphalt into fractions of different characters, comprising the alternate steps of solidifying a fraction of the mixture having a relatively slightly paraffinic character from a solution thereof with a paraffinic solvent and solidifying a fraction of the mixture having a relatively highly paraffinic character from a solution thereof with a non-paraffinic solvent, the solidified fractions being separated from the mother liquids containing the solvent and the unsolidified hydrocarbons after each solidification, and the unsolidified hydrocarbons from one of said solidification steps containing both fractions of highly and slightly paraffinic character being employed as the solute in the other of said solidification steps.

2,246,983

COATING COMPOSITION AND METHOD OF MAKING THE SAME

Elmer B. Oberg, Evanston, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application October 14, 1937, Serial No. 168,937
6 Claims. (Cl. 134—46)

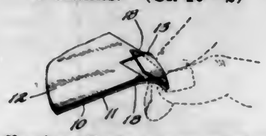
6. The process of producing a protein coating composition which comprises decreasing the normal solution-viscosity of a protein by degradation of said protein by means of enzymatic action controlled as to extent of said action by time and temperature regulation, followed by heating of the protein and enzyme to a temperature within the range of about 150° F. to the boiling point so as to deactivate the enzyme and to preserve the acquired lowered viscosity characteristics of the protein.

2,246,984

ADHESIVE DISPLAY

Keene E. Palmer, Chicago, Ill., assignor to The Leaton Corporation, Chicago, Ill., a corporation of Illinois

Application December 30, 1939, Serial No. 311,727
6 Claims. (Cl. 40—2)



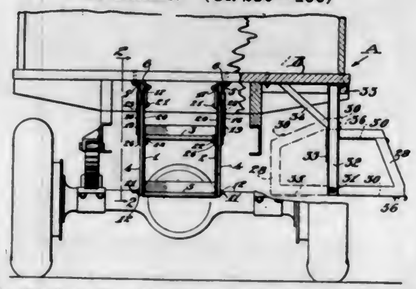
1. An adhesive display unit of flexible material having its back covered with a pressure-sensitive adhesive, and a non-adhesive flexible cover sheet therefor co-extensive with said display unit, and peelable therefrom, said cover sheet being cut to form a severed portion thereof defined in part by a plurality of edges of the display units and in part by a line of cut intersecting the edges of the display unit and forming a corner upon the cover sheet inwardly of the edges of the display unit.

2,246,985

FOLDABLE STEP

Phillip Pellegrini, Glendale, Calif., assignor to Virgil McCombs, Los Angeles, Calif.

Application August 17, 1938, Serial No. 225,317
13 Claims. (Cl. 280—166)



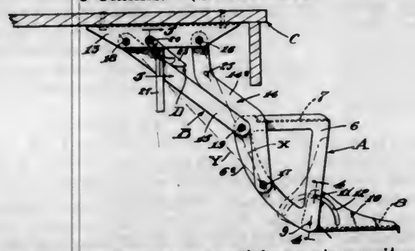
3. A step for facilitating climbing onto the floor of a truck or other vehicle, from a side or end thereof, comprising a frame, a step tread thereon, frame supporting members, means for pivotally connecting the upper ends of said members with a vehicle beneath the floor of the latter, means for pivotally connecting said members to opposite sides of lower portions of said frame to provide for movement of said frame from position of non-use lying beneath said floor into position of use extending outwardly as a step, and vice versa, latch members for holding said frame supporting members in inclined position when said frame is in extended position, portions on said frame for engaging and releasing said latch members upon swinging of said frame into position of non-use, and stop members on said frame for engaging said supporting members to limit the movement of said frame relative to said supporting members.

2,246,986

FOLDING STEP FOR TRUCKS

Phillip Pellegrini, Glendale, Calif., assignor to Virgil McCombs, Los Angeles, Calif.

Application September 2, 1939, Serial No. 293,205
9 Claims. (Cl. 280—166)



1. A step for trucks, comprising a step unit and means for mounting said unit on a truck, for movement from out of the way position into position of use and vice versa, including pairs of supporting members pivotally suspended on the truck, and pivot means connecting said pairs of supporting members with said unit at points so spaced and related that portions of said members will have edge to edge contact to limit the movement of said members and said unit and hold the unit in position for use as a step, upon the movement thereof into such position.

2,246,987

CONTINUOUS MOLDING APPARATUS

Carlisle K. Roos, Wheaton, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application October 23, 1937, Serial No. 170,528
4 Claims. (Cl. 154—1)



1. In a wallboard manufacturing apparatus including a conveyor and forming means for supplying to said conveyor a formed plastic mass, the combination of fastening means disposed at spaced intervals along the opposite edges of said conveyor and a plurality of forming bars having cooperating fastening means adjacent the opposite ends thereof for selectively engaging selected oppositely disposed fastening means on said conveyor, whereby said bars may be selectively secured to said conveyor in transverse relation thereto to form transverse recesses in one surface of said plastic mass at selected intervals.

2,246,988

CYCLOHEXYL UNSYMMETRICAL DIPHENYL ETHANES

Frank B. Smith and Harold W. Moll, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application January 16, 1939, Serial No. 251,126
5 Claims. (Cl. 260—668)

1. A nuclearly cyclohexylated unsymmetrical diphenyl ethane.

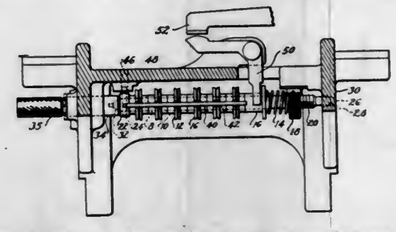
2. A mixture consisting substantially of nuclearly mono-cyclohexylated and nuclearly poly-cyclohexylated unsymmetrical diphenyl ethanes, said mixture being prepared by reacting unsymmetrical diphenyl ethane with a cyclohexylating agent in the presence of an alkylation catalyst.

2,246,989

CORD CONTROLLING DEVICE

Philip Sparkes, Lynn, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey

Application January 4, 1940, Serial No. 312,396
6 Claims. (Cl. 242—150)



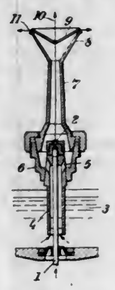
1. A device for controlling simultaneously a plurality of cords, comprising a supporting rod and a plurality of freely rotatable separable members thereon between which the cords pass, said device being adapted to be demountably supported by its rod ends, means for preventing rotation of the rod relative to its support, and means carried by the rod for preventing rotation of the members relative to the rod.

2,246,990

APPARATUS FOR SPINNING RAYON

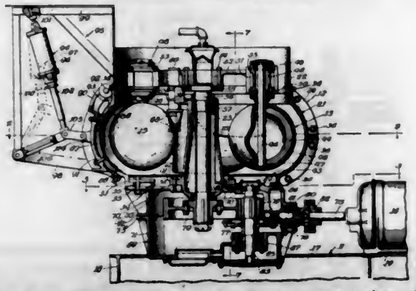
Wilhelm Wuppermann, Berlin-Zehlendorf, Germany

Application November 9, 1937, Serial No. 173,691
In Germany May 15, 1937
12 Claims. (Cl. 18—8)



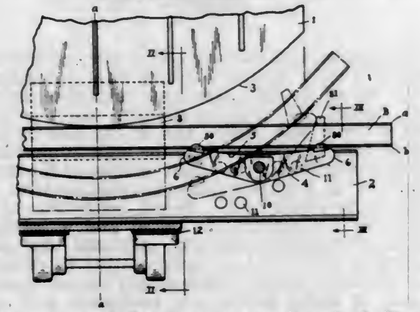
1. An apparatus for spinning rayon, compressing a vertically mounted rotary pipe, a spinning nozzle borne by said pipe and rotatable therewith, means for drawing filament as it is developed from said nozzle and in the line of the axis of rotation, and means for maintaining the spinning nozzle and the newly developed filament immersed in a correspondingly rotating bath of coagulating liquid, such means consisting of a receptacle for coagulating liquid and a tubular container arranged coaxially with said pipe and integrated with the pipe and rotating therewith, said container rising from beneath the surface of a body of liquid within said receptacle and enveloping the filament developed from the said spinning nozzle, and forming an annular chamber surrounding the nozzle, the said container at its lower end and beneath the surface of the liquid in the receptacle being open, and at its upper end being provided with a delivery orifice spaced from the vertical axis of the container at a distance greater than the radius of the open lower end of the container, the container being substantially closed at its upper end.

2,246,991
MULLING APPARATUS
Elmer O. Beardsley and Walter E. Naylor, Chicago, Ill., assignors to The Beardsley & Piper Company, Chicago, Ill., a corporation of Illinois
Application September 4, 1937, Serial No. 162,452
23 Claims. (Cl. 83—45)



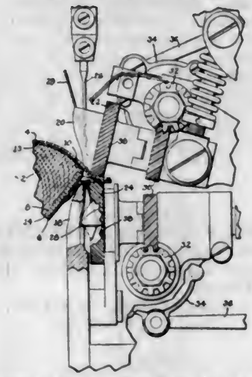
1. A mulling apparatus of the character described comprising in combination a receptacle adapted to contain the material to be mulled and embodying a circular bottom and an annular side wall extending upwardly from the margin of the bottom and composed of an annular series of abutting separately formed complemental sections having the side margins thereof removably secured together and having their bottom margins removably secured to the receptacle bottom, a mulling element in the receptacle adapted to travel in a circular course around the side wall and effect mulling of the material between it and said side wall during travel in such course and arranged so that it is accessible for repair or removal upon removal of one or more of the side wall forming sections with respect to the adjoining sections of the series, and means for propelling the mulling element in said circular course.

2,246,992
BENDING MACHINE
Merville S. Dickinson, Edgeworth, and Edward L. Born, Coraopolis, Pa., assignors to Dravo Corporation, a corporation of Pennsylvania
Application March 4, 1939, Serial No. 259,860
3 Claims. (Cl. 153—33)



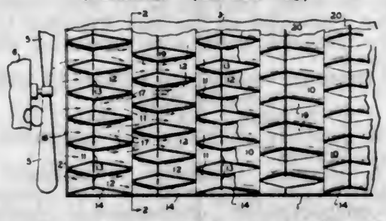
2. In metal-bending apparatus including a male die having an extended band-like face shaped in one plane to a convex curved surface and a female die, the two said dies being mounted for relative reciprocation, the invention herein described in which the female die includes a support, a beam pivotally mounted upon said support on an axis perpendicular to the plane in which the face of the male die is curved, and having on either side of its pivotal mounting abutments adapted simultaneously to engage at spaced-apart points a piece of work introduced between the dies, together with a second beam pivoted upon the first at a point to one side of the pivot of the first-named beam upon the support, the second-named beam having at either side of its pivotal mounting abutments adapted simultaneously to engage at spaced-apart points such piece of work introduced between the dies, the second-named beam being movable upon its pivot from a remote position to a position of cooperation with the male die.

2,246,993
SHOE LASTING MACHINE
James P. Fredericksen, Wollaston, Mass., assignor to United Shoe Machinery Corporation, Borough of Flemington, N. J., a corporation of New Jersey
Application November 13, 1939, Serial No. 304,001
10 Claims. (Cl. 12—6)



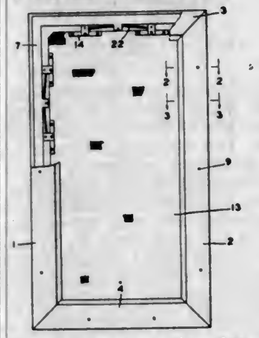
1. A machine for lasting a shoe upper to an unchanneled sheet of relatively thin material mounted on the tread surface of a last having, in combination, spaced shoe guiding devices engaging the last supported surfaces of the upper and sheet, devices for inserting fastenings along the break line formed by the angle between the upper supporting and tread surfaces of the last, and means acting on the out-turned margins of the upper and sheet between the guiding devices at a distance from the last to cause the upper to be drawn around the break line of the last by the pull of the fastenings.

2,246,994
FILTER FOR GASEOUS MEDIA
George Herbster, Cleveland, Ohio
Application September 12, 1939, Serial No. 294,476
6 Claims. (Cl. 183—75)



1. A filter unit comprising a plurality of tiers of approximately parallel tubes which are open at both ends, said tiers being arranged relative to each other so that air passed through and discharged from tubes of one tier can enter tubes of an adjacent tier without substantial change in direction of air movement, the tubes of each tier offset from the tubes of an adjacent tier, said tubes individually, being of restricted cross sectional area between their ends and of gradually enlarging area toward said ends, the principal planes of the tiers being transverse to the longitudinal axes of the tubes.

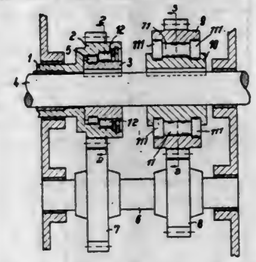
2,246,995
SAFETY DETENTION SCREEN
Elton B. Ingersoll, Howard G. Pillsbury, Frank R. E. Smith, and Leon E. Willett, Detroit, Mich., assignors to Chamberlin Metal Weather Strip Company, Detroit, Mich., a corporation of Michigan
Application March 18, 1940, Serial No. 324,718
9 Claims. (Cl. 156—14)



1. A screen of the character described, comprising a rigid frame having opposed side members each including side plates and a connecting cross wall forming an inner peripherally extending chamber, said plates along their inner edges being spaced apart to form an inwardly facing slot opening into said chamber, a screen panel mounted in the opening of said frame with its edge portions extending through said slot, yielding mounting means for said panel, comprising holding devices attached to said panel and distributed at intervals along its edges, each thereof including a generally U-shaped member having a cross bar, and a series of elongated springs mounted on said rigid frame and extending longitudinally thereof within said chamber, each end of each spring being bent outwardly to form a recess to receive one of the said cross bars and prevent escape of said bars from the spring.

2,246,996
CHANGE-SPEED GEARING
Friedrich Kreis, Berlin-Lichterfelde, Germany, assignor to Gesellschaft zur Konstruktion und Verwertung Automatisch-Mechanischer Getriebe m. b. H., Berlin-Oberschoneweide, Germany
Application October 24, 1939, Serial No. 301,050
In Germany October 27, 1938
4 Claims. (Cl. 74—336)

1. In transmission gearing of the character described a driving shaft adapted to be connected to a motor shaft, a driven shaft also adapted to be connected to said motor shaft, a gear rigid with said driving shaft, a second gear journalled on said driven shaft, a one way engaging clutch means between said second gear and said driven shaft operative to permit overrunning of said driven shaft in relation to said gear in the advance direction, reduction gears connecting said first and second gears in driving relation, and a one way engaging clutch means between said first mentioned gear and said driven shaft operative to permit overrunning of said first mentioned gear in relation to said driven shaft in



the advance direction, whereby to establish driving connection between said first mentioned gear and said driven shaft when said driven shaft is rotated in such manner as to reverse the direction of power flow through said transmission gearing.

2,246,997
COLOR PHOTOGRAPHY
Hans Kudar, Berlin-Schoneberg, Germany
Application October 27, 1939, Serial No. 301,661
In Germany July 18, 1935
7 Claims. (Cl. 95—2)

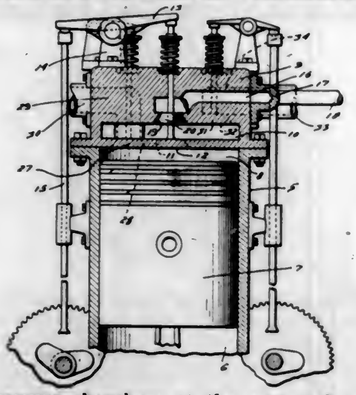


1. The method of color photography which consists in exposing through a two-color filter, a lenticular film having two light-sensitive layers lying behind one another and which are sensitized for substantially complementary colors, and a filter layer between them which is transparent only for the colors for which the light-sensitive layer lying behind it is sensitized; developing the negative component images in said light-sensitive layers, and washing out the filter layer between them; and converting each of the two negative component images thus produced into a positive colored in the colors for which the light-sensitive layer containing the other negative component image was sensitized.

2,246,998
LOW PRESSURE FUEL AIR INJECTION AND IGNITION SYSTEM
Stehman W. Leonard, Martinsburg, W. Va.
Application October 4, 1938, Serial No. 233,268
3 Claims. (Cl. 123—75)

1. In an internal combustion engine, a cylinder having a combustion chamber and an air intake port for admitting air at atmospheric pressure to the chamber, a piston working in the cylinder for compressing the air in the chamber to a high pressure, a low pressure chamber above the cylinder, a feed chamber above the low-pressure chamber having a feed chamber and line connected thereto for supplying a combustible mixture at low pressure to the low pressure chamber, said low-pressure chamber being relatively shallow and of a diameter substantially equal to that of the cylinder and adapted for preheating and vaporizing fuel admitted thereto, a valve between the low pressure chamber and the feed chamber and a valve

between the combustion chamber and the low pressure chamber, said valves arranged for opposite opening and closing movement and said last named valve being adapted to provide communication between the combustion and



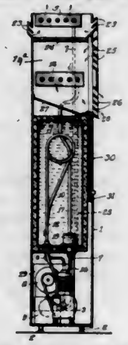
low-pressure chambers at the approach of the peak of the compression stroke of the piston for utilizing the highly compressed air in the combustion chamber to ignite the fuel-air in the low pressure chamber.

2,246,999

AIR COOLING AND CIRCULATING DEVICE

Willard L. Morrison, Lake Forest, Ill.

Application August 16, 1938, Serial No. 225,178
5 Claims. (Cl. 62—140)



3. An air cooling and circulating device comprising a cabinet, a compressor and condenser in said cabinet, a cooling coil in the upper part of said cabinet, an opening in the cabinet having its lower edge below the bottom of said cooling coil, through which air cooled by the cooling coil drops into the lower part of the room, a closure for said opening which holds the cold air in said cabinet and provides a cold air storage, said cold air when the closure is opened dropping by gravity into the lower part of the room to quickly cool it, said cold air causing the warmer air in the lower part of the room to rise by thermosyphonic action and forming a zone of cooled air below the top of the cabinet.

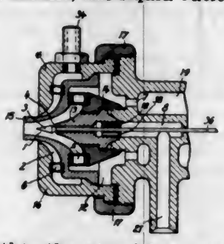
2,247,000

SPRAYING PROCESS AND APPARATUS

Mintscho Popoff, Berlin, Germany

Application May 13, 1939, Serial No. 273,535
In Germany May 28, 1938
20 Claims. (Cl. 299—140)

10. A spray gun for coating surfaces with liquids, particularly paints and lacquers comprising a liquid outlet means, a driving nozzle communicating with a compressed air conduit and forming a driving jet, an atomizing nozzle forming an atomizing jet, a communication between these two nozzles, a throttling means in said communication to diminish the velocity of the compressed air in said atomizing nozzle so that the velocity of the unthrottled driving jet discharging from the driving nozzle is considerably greater than the velocity of the atomizing jet at the liquid outlet means, the liquid outlet means being



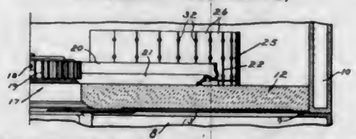
arranged within the atomizing nozzle, said atomizing nozzle being formed by a tube converging in the direction of the flow, said driving nozzle surrounding the atomizing nozzle and converging in the direction of flow, a honey comb grid like means located in the atomizing nozzle and working as a rectifier for reducing the turbulence of the atomizing air and preventing rotational movement of the atomizing air in said atomizing nozzle, the liquid outlet means being controlled by a needle valve opening towards the discharge outlet of the atomizing nozzle and consisting of a double cone and a sliding shaft.

2,247,001

LIQUID FUEL BURNER

Milton A. Powers, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio

Application June 27, 1938, Serial No. 216,144
8 Claims. (Cl. 158—4)



1. In a liquid fuel burning apparatus, a combustion chamber closed by a hearth, fuel projecting means at the center of said hearth, a fuel intercepting wall disposed outwardly from its center, a backing wall of greater height than said fuel intercepting wall and spaced outwardly therefrom in proximity to the hearth periphery, said backing wall comprising a multiplicity of upright thin sheet steel segments, each being of substantially cylindrical curvature and slightly overlapped on another, and means for retaining said segments in their upright overlapped relationship.

2,247,002

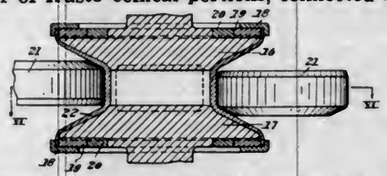
METHOD OF MAKING DISHED ARTICLES

Norman C. Rendleman, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, a corporation of Pennsylvania

Application July 9, 1938, Serial No. 218,455
3 Claims. (Cl. 29—159.01)

1. In a method of hot-rolling dished articles, the steps including forming a substantially cylindrical blank from a metal plate, heating the blank

to a temperature suitable for rolling, supporting the heated blank at its ends on a pair of opposed, frusto-conical forms, rotating the blank and rolling the mid-portion of the blank inwardly to form a pair of frusto-conical portions, connected by a



substantially cylindrical mid-portion, severing the blank along a median plane through said cylindrical mid-portion, rolling down the severed parts of said mid-portion to form flanges extending inwardly from said frusto-conical portions.

2,247,003

DENTAL CLEANING COMPACT

Will O. Smith and Elizabeth E. Smith, Pittsburgh, Pa.

Application September 9, 1940, Serial No. 356,060
2 Claims. (Cl. 132—84)



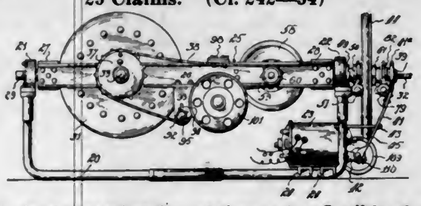
1. A dental cleaning compact comprising a tubular holder including companion body and cover channel-shaped sections hinged together at one end of said holder for movement of the cover section in association with the body section to provide a housing, a brush pivotally secured to the holder for movement into and out of the same, a tray slidably mounted in said body section, a spring actuated dentifrice container pivotally mounted in said tray, and means carried by said body section and engaging said container when said tray is disposed adjacent the opposite end of said holder for maintaining said container within said tray, said container operable to extended position out of said tray when the latter is disposed adjacent said first mentioned end of said holder whereby to enable the bristles of said brush to engage said container and receive dentifrice therefrom.

2,247,004

DRIVING MECHANISM FOR FLEXIBLE SHAFTS

Michael J. Sullivan, Springfield, Ohio

Application March 20, 1941, Serial No. 384,382
25 Claims. (Cl. 242—54)



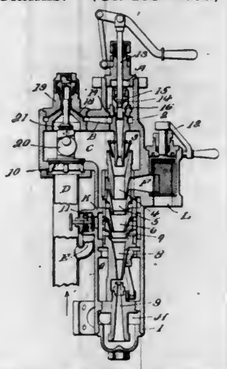
1. An apparatus for paying out a flexible shaft or wire cable from a reel and for rotating said cable, comprising a supporting frame having shaft bearings, a reel carrying frame journaled in the supporting frame for revoluble movement laterally, a shaft journaled in said frame and on which the reel is mounted, a hollow shaft fixed to the supporting frame to form the journal on which the outer end of the reel carrying frame revolves and through which the wire cable passes, a hollow shaft surrounding the fixed shaft and rotatable thereon, said rotatable shaft being connected to the reel carrying frame, and means for rotating said shaft; together with transmission gear between the rotatable shaft and shaft carrying the reel on which the wire cable is wound.

2,247,005

INJECTOR USING EXHAUST STEAM

Ivan Trofimov, Khimki, Union of Soviet Socialist Republics

Application June 30, 1939, Serial No. 282,313. In Union of Soviet Socialist Republics March 19, 1937
8 Claims. (Cl. 103—265)



1. A feed water injector, comprising a body casing, two separate, axially aligned, exhaust steam chambers in said body, axially aligned sets of exhaust steam nozzles, one set in each said exhaust steam chamber, a water inlet to the first said steam chamber, means for separately supplying exhaust steam to each said exhaust steam chamber, a live steam chamber in said body, a live steam nozzle in said live steam chamber, and axially aligned with said exhaust steam nozzles, the said nozzles sequentially opening one into the other, and one said exhaust steam chamber being closed from the other, except through said nozzles, means operable at will for discontinuing the flow of exhaust steam to the second of said exhaust steam chambers, upon drop in the exhaust steam pressure, the said means being entirely independent of and unaffected by the flow of exhaust steam to the first said exhaust steam chamber, and means having no controlling action on the flow of exhaust steam, operable at will for cutting in or out the live steam through the live steam chamber to the live steam nozzle.

2,247,006

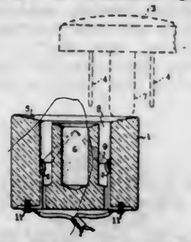
ELECTRICAL PLUG AND BASE

George H. Whitmore, Detroit, Mich., assignor of two-fifths to August F. Brandt, Detroit, Mich.

Application March 11, 1940, Serial No. 323,316
5 Claims. (Cl. 173—332)

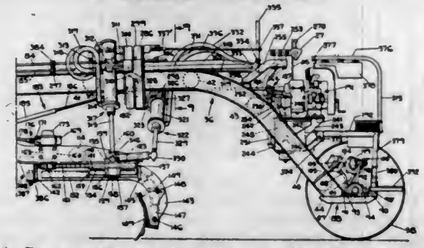
1. An electrical connector comprising two fittings of insulating material, one having a pair of spaced similarly projecting prongs, and the other having a pair of sockets spaced to receive said prongs and paired contacts in such sockets for engagement by the prongs, and further having an annular groove intersected at diametrically opposed points by said sockets, such groove pro-

gressively decreasing in depth substantially from the sockets to points substantially midway between the sockets, whereby pressure applied



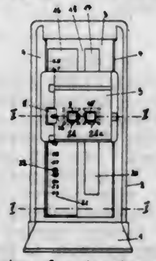
through the prongs to the bottom of said groove tends to deflect the pronged fitting rotatively to guide the prongs into engagement with said contacts.

2,247,007
ROAD GRADER
Franklin E. Arndt, Galion, Ohio, assignor to The Galion Iron Works & Manufacturing Company, a corporation of Ohio
Application November 23, 1938, Serial No. 241,979
37 Claims. (Cl. 37—156)



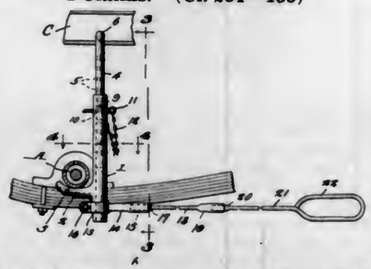
4. In a road grader, the combination with a main frame, of a supplemental frame, a grader blade carried by said supplemental frame, means for supporting said supplemental frame on said main frame for adjustment relative thereto, and laterally shifting means between said main frame and said supplemental frame and comprising a fluid pressure motor serving as a link connected to said supplemental frame.

2,247,008
OPTICAL TESTING APPARATUS FOR LIQUIDS
Friedrich Assmus, Freiburg, Breisgau, Germany, assignor to F. Hellige & Co., Freiburg, Breisgau, Germany
Application September 21, 1937, Serial No. 164,865
In Germany October 2, 1936
3 Claims. (Cl. 88—14)



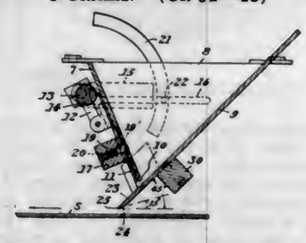
1. An apparatus for testing the pH values of liquids, comprising in combination a base, an open rectangular frame upright in said base, guides on said frame, a box-shaped support on the front side of said frame vertically slidable in said guides and having three peep holes arranged side by side in the same horizontal plane, an index in the left peep hole, a short partition separating said support into two chambers, a plate of transparent glass and a plate of translucent glass removably fitted in the rear end of said frame, a reference strip of non-uniform color, a measuring scale gauged to the pH values of said reference strip both the strip and the scale attached to the rear side of said plate of transparent glass, a transparent vessel for the liquid to be tested removably inserted in the left hand compartment of said support said vessel and support adapted to be moved into horizontal alignment with the color value on said reference strip corresponding to the color of the liquid in said vessel, the pH value of the liquid of this color value being readable on said measuring scale through the left peep hole.

2,247,009
SAFETY AXLE SNUBBER
Jesse D. Averill, Ajo, Ariz.
Application July 19, 1940, Serial No. 346,423
4 Claims. (Cl. 254—133)



1. An axle snubber including telescopically connected upper and lower members, an axle-engaging arm extending from the lower member, a chassis engaging arm extending from the upper member, both of said arms providing seats for engaging under the axle and over the chassis respectively, said upper member being adjustable longitudinally and angularly relative to the lower member, means insertible through the members for holding them against relative movement after adjustment, a socket member extending from the lower member, and a handle rod removably engaging the socket member.

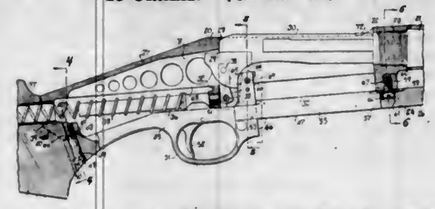
2,247,010
FILMING FEEDER
Frederic L. Bishop, Jr., Jeannette, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 14, 1939, Serial No. 267,946
3 Claims. (Cl. 91—43)



1. A filming feeder for flowing a film of

strengthening material on glass sheets to be used in manufacturing laminated glass, comprising front, side and bottom walls, forming a trough for receiving the filming material, the front wall being spaced above the bottom wall throughout a substantial portion of its length to provide a discharge opening, and the bottom wall extending downwardly and forwardly beyond the lower end of the front wall of the trough to an appreciable extent and having its lower end bevelled at a substantial angle to the horizontal to provide a sharp edge beyond the lower end of the front wall from which the filming material flowing thereover is discharged therefrom.

2,247,011
RECEIVER AND TRIGGER-PLATE ASSEMBLY FOR FIREARMS
Jonathan E. Browning, Ogden, Utah, assignor to Western Cartridge Company, New Haven, Conn., a corporation of Delaware
Application March 21, 1939, Serial No. 263,127
15 Claims. (Cl. 42—69)

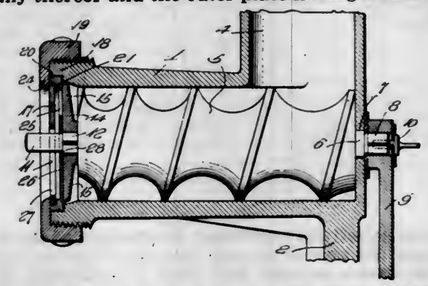


1. A firearm-construction including in combination: a receiver having side-walls and an open lower end and also having a breech-bolt-receiving chamber therein; a breech-bolt reciprocatable in the said breech-bolt-receiving chamber; a trigger-plate unit forming a bottom for the open lower end of the said receiver and constructed and arranged substantially coextensive in length to the length of the said receiver, the said coextending triggerplate unit being provided intermediate its respective opposite ends with an upstanding post projecting between the side-walls of the said receiver adjacent the path of the said reciprocatable breech-bolt; and fastening-means securing to the said receiver the portion of the post of the said trigger-plate unit projecting between the side-walls of the said receiver.

13. A firearm-construction including in combination: a receiver having side-walls and an open lower end and also having a breech-bolt-receiving chamber therein, a breech-bolt mounted in the breech-bolt-receiving chamber of the said receiver with capacity for both reciprocation and rocking movement therein and provided on its under side with a cam-surface; a trigger-plate unit forming a bottom for the open lower end of the said receiver and provided with an upstanding post projecting into the breech-bolt-receiving chamber of the said receiver and having a cam-surface for engagement by the cam-surface of the said breech-bolt; and fastening-means extending transversely of the said receiver and securing thereto the portion of the post of the said trigger-plate unit projecting between the side-walls thereof to directly absorb the deflecting forces occurring when the said breech-bolt engages the said post.

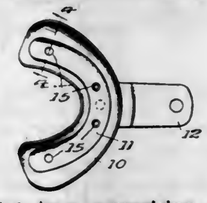
2,247,012
MEAT GRINDER
Melvin Burk, Akron, Ohio
Application January 17, 1940, Serial No. 314,326
7 Claims. (Cl. 146—189)

1. In a device of the character described, a barrel open at its front end, a feed screw rotatably mounted in said barrel and having a stub shaft at its front end, inner and outer plates mounted in the front end of said barrel and spaced from each other the inner plate being formed with openings spaced from each other circumferentially thereof and the outer plate having a central



opening formed with extensions extending radially of the plate between openings of the inner plate, said stub shaft extending through the inner and outer plates, and cutting means carried by said stub shaft in contacting engagement with the inner face of the inner plate.

2,247,013
DENTAL IMPRESSION TRAY
Lucian Graves Coble, Greensboro, N. C.
Application June 11, 1940, Serial No. 339,970
3 Claims. (Cl. 32—17)

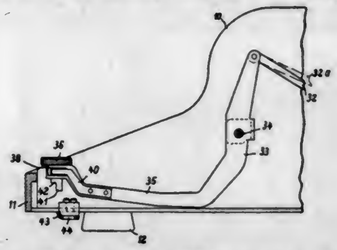


1. A dental tray comprising a substantially U-shaped outer member having a depression therein of sufficient breadth to span the ridges of the gum of the lower jaw of a patient whereby a mass of plastic molding material in said depression can be forced against and at least partially beyond the sides of said ridges for making an impression thereof, and an inner substantially rigid U-shaped member loosely received in the bottom of said depression adapted to be embedded in the bottom surface of the plastic material and to be removed from said outer member together with the impression formed by the molded material whereby the latter will be supported by the inner member, said inner member being of less width than the molded material to leave the side surfaces of the impression fully exposed and to facilitate trimming and shaping of the side surfaces of the impression.

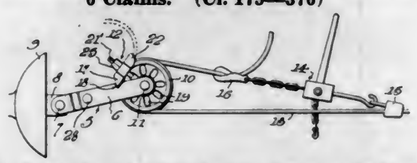
2,247,014
TABULATING AND MARGIN SETTING MECHANISM
Anton Demmel, Dresden, Germany, assignor to Olympia Buromaschinenwerke A. G., Dresden, Germany, a corporation of Germany
Application April 2, 1938, Serial No. 199,706
In Germany April 2, 1937
4 Claims. (Cl. 197—63)

1. In a machine of the type described, combined tabulating and margin adjusting means comprising a plurality of stop dogs shiftable from a neutral position to one of two projected positions to act as tabulating or margin stops, means including a key lever for shifting said

stops to said projected positions, an abutment carried by said machine, and a key mounted for rotation about a vertical axis in the end of said key lever and having depending stepped portions selectively positioned by rotation of the key about its axis to engage said abutment to limit the stroke of said key lever to different stop setting positions.

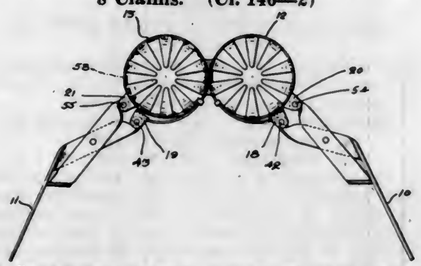


2,247,015
DEAD END CLAMP
Rhea E. Flamboe, Keokuk, Iowa
Application April 25, 1940, Serial No. 331,653
6 Claims. (Cl. 175—376)



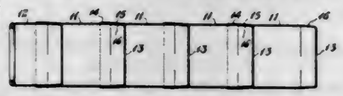
4. A dead end clamp comprising a link and means at one end thereof for connecting it to a tower or other support, a wheel around which to draw the end of a conductor to remove slack from the latter, said wheel being rotatably mounted on the other end of said link on an axis transverse to the length of the latter, said wheel having a plurality of transverse openings between its axis and periphery, a U-bolt whose bight portion may extend through any of said openings and whose arms are sufficiently long to project beyond the wheel periphery, a clamping block to clamp the conductor against the wheel periphery, said block having openings through which said arms of the bolt extend, and nuts on said arms for drawing said block toward the wheel periphery, said block having an end to abut said link to prevent retrograde rotation of the wheel after the conductor is secured thereto.

2,247,016
EGG OPENER
Joseph T. Halas, South Norwalk, Conn.
Application July 28, 1938, Serial No. 221,729
8 Claims. (Cl. 146—2)



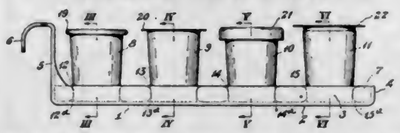
1. In an egg opener, a pair of cages having annular rims, said cages being movably associated with each other and adapted in an open position thereof to receive an egg and in a closed position thereof to enclose the egg and lever means to vary the circumference of the cages.

2,247,017
ICE FREEZING MOLD AND TRAY THEREFOR
Leslie G. Henning, Cleveland, Ohio, assignor to Frank L. Sessions, Lakewood, Ohio
Application May 22, 1939, Serial No. 275,115
18 Claims. (Cl. 62—108.5)



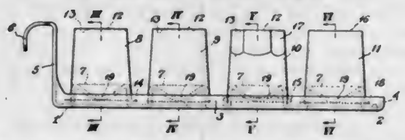
1. An ice mold composed of a tube of heat-conducting material, said tube being tapered inwardly at one end, and tapered outwardly at its other end, the interior dimensions of said outwardly tapered portion being the same as the exterior dimensions of said inwardly tapered portion whereby the inwardly tapered portion of one such tube may be telescoped into the outwardly tapered portion of a like tube, the end of the inwardly tapered portion of said tube being closed except for a relatively small opening through it to the interior of said tube.

2,247,018
ICE FREEZING MOLD
Leslie G. Henning, Cleveland, Ohio, assignor to Frank L. Sessions, Lakewood, Ohio
Application May 22, 1939, Serial No. 275,116
9 Claims. (Cl. 62—108.5)



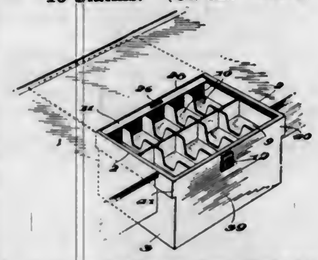
1. In refrigerating apparatus an ice freezing mold having an ice exit in its top end and an opening in its bottom end, and a closure for said bottom end comprising a base for supporting said mold having a socket removably receiving said mold and making a substantially air-tight fit with its outer surface.

2,247,019
INDIVIDUAL ICE MOLD
Leslie G. Henning, Cleveland, Ohio, assignor to Frank L. Sessions, Lakewood, Ohio
Application May 22, 1939, Serial No. 275,117
8 Claims. (Cl. 62—108.5)



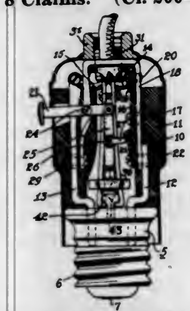
1. In refrigerating apparatus, an individual ice mold comprising a cup of circular cross section, having an ice exit at its bottom end, an aperture at its top end, and a substantially air-tight, removable, mold supporting closure for its bottom end having a depression in its top surface eccentric to the axis of said mold, said aperture being eccentric to said mold axis.

2,247,020
COUNTER CASH RECEPTACLE
August H. Hilckman, Miami, Fla.
Application June 17, 1940, Serial No. 341,076
13 Claims. (Cl. 312—140.4)



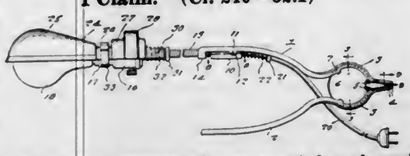
3. A counter having a top, runways arranged under said top; a receptacle, said receptacle being supported under said counter top and having runways aligning with the runways under the counter top, said receptacle having a drawer slidable over the aligned runways.

2,247,021
ELECTRICAL FITTING
Llewellyn Hopkins, Butler, Pa., assignor of one-half to John V. Cowden, Butler, Pa.
Application March 13, 1940, Serial No. 323,748
8 Claims. (Cl. 200—50)



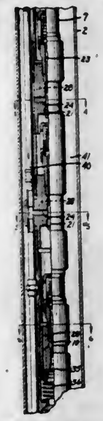
1. In an electrical fitting, the combination with a base and a plug having conductor fingers insertible into the base, of a pair of headed retaining elements projecting outwardly from the base, hook members carried by the plug and each having one end connected to a fixed portion of the plug, and a slidable yoke-like member for effecting movement of the other ends of said hook members into hooked engagement with said retaining members.

2,247,022
LAMP
Frank G. Hovorka, Twin Falls, Idaho
Application November 6, 1939, Serial No. 303,131
1 Claim. (Cl. 240—52.1)



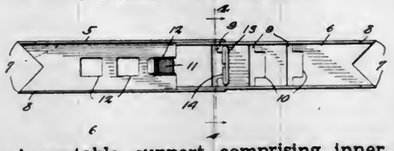
In a lamp, a pincer-like support for clamping to a fixed part comprising a pair of elongated arms spaced apart in a common plane in opposed relation and having substantially semi-circular outer end portions oppositely bowed and internally channeled and terminating in a pair of flat T-head extensions forming a pair of opposed clamping jaws said extensions having right-angled inner ends extending in between said bowed portions and providing a pair of opposed clamping teeth on said jaws, a pair of inturned lugs on each bowed portion, respectively, a split resilient ring fitting into the channels of said portions and extending between said pairs of lugs and having the ends thereof bearing on said inner ends of the jaws, respectively, whereby said jaws are yieldingly urged into clamping relation for relative separation by manipulation of said arms, and a lamp bulb mounted on one of said arms.

2,247,023
UNIVERSAL FLOW DEVICE FOR WELLS
Granville A. Humason and Walter J. Clay, Houston, Tex.; said Clay assignor to said Humason
Application September 23, 1938, Serial No. 231,316
3 Claims. (Cl. 103—261)



1. In a device of the class described the combination of, a flow string, a nipple in the flow string, an upwardly opening check valve in the central bore of the nipple, there being passageways in the walls of the nipple to admit fluid upwardly past the check valve, means closing the lower end of the central bore in the nipple, a choke in the nipple in spaced relation with said check valve forming a chamber between the choke and the valve, an opening from the exterior of the nipple below the choke and means for applying fluid under pressure through the opening to said choke and valve.

2,247,024
PORTABLE SUPPORT
Earl H. Hurley, Emporium, Pa.
Application April 30, 1940, Serial No. 332,584
3 Claims. (Cl. 248—351)



3. A portable support comprising inner and outer sections constructed of channel bar material having their open sides disposed upwardly, each section having openings formed in the bot-

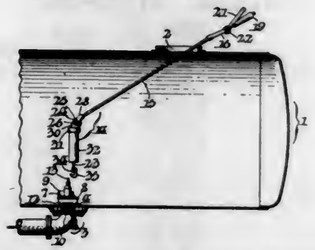
tom thereof, the openings in the inner section having offset restricted portions, a spring tongue on the inner end of the inner section adapted to extend into openings in the outer section, a substantially T-shaped tongue extending upwardly from the inner end of the outer section, the T-shaped tongue adapted to move into the restricted portion of the openings formed in the inner section, frictionally engaging the bottom of the inner section adjacent to the opening.

2,247,025

INSERTING AND REMOVING DEVICE

James A. Jensen, Philadelphia, Pa., assignor to Charles E. Frick, Jr., J. Rodney McCoy, Elsie T. Keller, John H. Jensen and James A. Jensen, co-partners trading as Philadelphia Valve Company, Philadelphia, Pa.

Original application October 29, 1939, Serial No. 300,325. Divided and this application March 26, 1940, Serial No. 325,984
2 Claims. (Cl. 29—86.3)



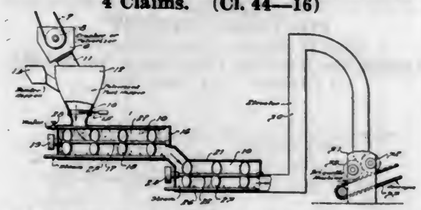
1. A placing and removing device comprising a tubular body portion; an angularly adjustable tubular section at one end of the body portion; a fork-like element secured to the other end of the body portion and having the wider part spanned by a bridge; a handle projecting from the bridge; a reel journaled in the fork-like element; a rotary sheave freely mounted at the junction of the tubular body portion with the angularly adjustable tubular section; a flexible cable, having one extremity secured to the reel, passing through the tubular body portion over the rotary sheave and into the tubular section; and means at the free end of the cable for anchorage with the article to be placed or removed, said means being also retractible into the tubular section to prevent its disconnection from the article during manipulation of the device.

2,247,026

METHOD OF MAKING FUEL BRIQUETTES

Walter V. Johnson, Detroit, Mich.

Application January 11, 1939, Serial No. 250,399
4 Claims. (Cl. 44—16)



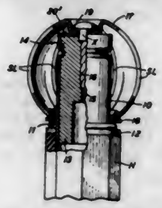
1. The method of making fuel briquettes which comprised thoroughly intermingling steam with approximately ninety-eight and one-half parts, by weight solid fuel to one and one-half parts binder material, such binder material comprising approximately nine parts, by weight, of pregelatinized corn starch to one part borax, and then pressing the mixture into briquettes.

2,247,027

DIALING TOOL

John J. Kuhn, Elizabeth, and William T. Pritchard, Belvidere, N. J., and Arthur R. Saunders, Rosebank, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application December 20, 1938, Serial No. 246,798
4 Claims. (Cl. 179—90)



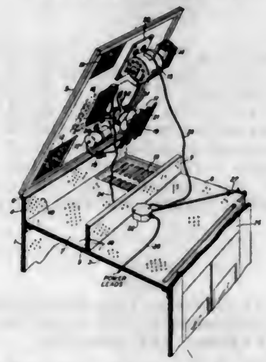
4. In a dialing tool, a spherically-shaped shell having two polar openings and a recess concentric to the upper opening, a spindle for said shell having a reduced portion and a shoulder portion, the reduced portion engaging the polar opening concentric to the recess, said reduced portion having a head within the recess for cooperation with said shoulder portion for holding said shell against movement longitudinally on said spindle, said spindle being formed with a portion for engaging a handle.

2,247,028

TELEPHONE BOOTH COOLING APPARATUS

Frank A. Kuntz, Woodhaven, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 29, 1940, Serial No. 363,387
8 Claims. (Cl. 62—6)



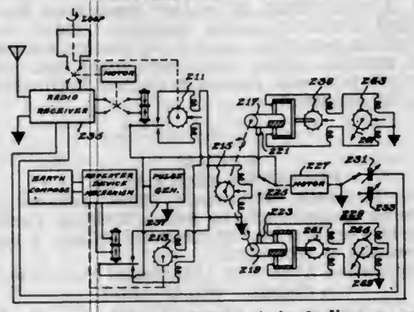
1. In a telephone booth having side walls, a rear wall and a front wall, a ceiling and a roof supported by the walls of the booth and forming therewith an upper chamber, a cooling apparatus mounted on the roof and housed in said chamber, said roof having an opening formed therein to provide ventilation for said chamber and said ceiling having an opening formed therein in register with said cooling apparatus to permit air cooled by means of said apparatus to pass from said chamber to the lower portion of said booth.

2,247,029

NAVIGATION INSTRUMENT

David G. C. Luck, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 31, 1939, Serial No. 253,890
10 Claims. (Cl. 250—11)



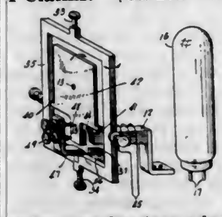
6. A navigation instrument including a self-orienting radio compass, electric motor means for following said radio compass orientation, an earth compass, electric motor means for following the heading indications of said earth compass, a power source for said motors, and an electric motor responsive to forces driving each of said following means for combining said forces to indicate a bearing as a function of the earth compass heading and the radio compass orientation.

2,247,030

TELEVISION SYSTEM AND SCANNING APPARATUS

Irvin Smith Mitchell, Philadelphia, Pa.

Application February 9, 1938, Serial No. 189,502
4 Claims. (Cl. 178—7.6)



1. In television, mechanism adapted to constitute either the scanning apparatus at a transmitting station or mechanism for projecting a light beam at a receiving station comprising a plate formed with a scanning aperture, said plate being mounted for oscillation on a vertical axis that is out of alignment with said aperture, said plate also being mounted for vibratory movement on a horizontal axis that is out of alignment with said aperture, means for causing horizontal vibratory movements of said plate, and independent means for causing vertical vibratory movements.

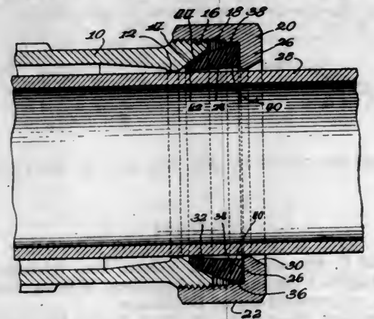
2,247,031

PIPE COUPLING

Charles E. Norton, Chicago, Ill., assignor to Norton-McMurray Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application October 21, 1938, Serial No. 236,136
3 Claims. (Cl. 285—166)

1. A pipe coupling comprising a pipe section having a conical surface, a second pipe section having an external cylindrical surface lying within said conical surface, a resilient sealing ring having a spherical surface for engaging said conical surface and a conical surface for engaging said cylindrical surface, whereby upon application of light pressure to the said sealing ring two zones



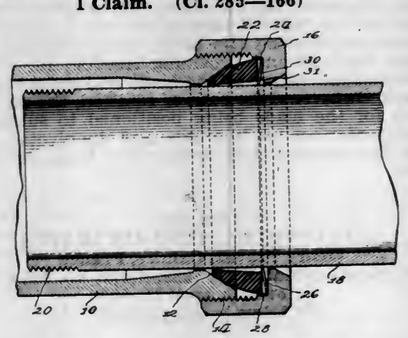
of substantially line contact will be set up on opposite sides of said sealing ring, and clamping means for forcing said sealing ring into engagement with said pipe sections.

2,247,032

PIPE JOINT

Charles E. Norton, Evanston, Ill., assignor to Norton-McMurray Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application November 8, 1940, Serial No. 364,767
1 Claim. (Cl. 285—166)



A pipe joint comprising a pipe section providing a recess for receiving a flexible gasket, a flexible gasket in said recess, a nut for urging said gasket into said recess and distorting said gasket against a second pipe section telescoped in said first-mentioned pipe section, and a combined gasket protector and locking ring having a dished body and axially extending flange for protecting the side wall of said gasket from injury through rotation of said nut, said combined gasket protector and locking ring being interposed between said gasket and nut and distorted by movement of said nut firmly to grip said inner pipe section.

2,247,033

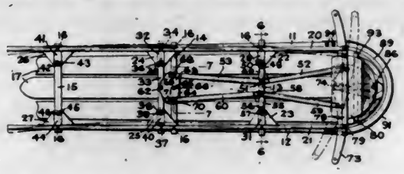
SLED

Carl H. Oermann and James F. Engdahl, York, Pa.; said Engdahl assignor to said Oermann

Application April 24, 1940, Serial No. 331,293
16 Claims. (Cl. 280—22)

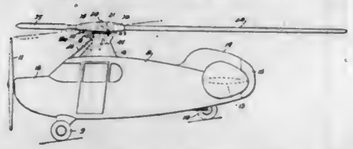
15. A sled comprising a seat structure having an arcuate front end, a plate having an inner arcuate horizontal flange adapted to rest on the front edge portion of said seat structure, and a

strap secured at each end to said plate and extending underneath said seat structure for re-



taining the plate in position on the seat structure.

2,247,034
AIRCRAFT SUSTAINING ROTOR
Harold F. Pitcairn, Bryn Athyn, Pa., assignor to Autogiro Company of America, Willow Grove, Pa., a corporation of Delaware
Application December 22, 1938, Serial No. 247,189
8 Claims. (Cl. 244—18)



1. For an aircraft, a single blade sustaining rotor having a hub, a substantially non-lifting counterweight for the blade, controllable means for shifting the lift line of the rotor, and pivot means connecting the blade and counterweight with the hub and providing freedom for independent movement of the blade and weight generally transverse the path of rotation, the pivotal axis for the blade being positioned to substantially intersect the hub axis, and the pivotal axis for the counterweight being offset from the hub axis.

2,247,035
CATALYTIC HEATING APPARATUS
Henry Pravaz, Caluire, France
Application March 23, 1939, Serial No. 263,819
In France April 21, 1938
8 Claims. (Cl. 158—96)

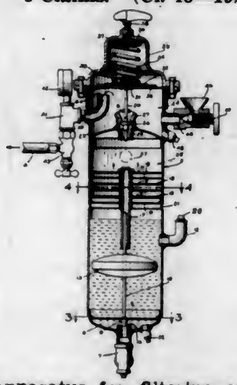


1. A catalytic heater comprising a fuel tank, a wick emerging upwardly from said tank, a porous catalytic screen disposed above said wick and including a slope portion disposed at an oblique angle to the horizontal, a draft channel including a solid screen of a shape substantially corresponding to that of the catalytic screen and disposed immediately above and parallel to the latter, said solid screen having a highly reflecting lower surface adapted to reflect heat to said catalytic screen so as to increase the heat radiation from said catalytic screen towards said wick, and a single exhaust duct for burnt gases at the highest point of said solid screen in communication with said draft channel.

2,247,036
ELECTRICALLY CONDUCTIVE BONDED OXIDE COMPOSITION
Samuel Ruben, New Rochelle, N. Y.
No Drawing. Application November 21, 1939, Serial No. 305,486
7 Claims. (Cl. 106—39)

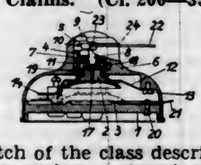
1. A composition of matter comprising finely divided conductive oxide particles bonded with vanadium pentoxide, said finely divided conductive particles being uniformly mixed and distributed with said vanadium pentoxide throughout the composition.

2,247,037
PRESSURE REGULATOR
Elmer H. Smith, Minneapolis, Minn., assignor, by mesne assignments, to Smith Welding Equipment Corporation, Minneapolis, Minn., a corporation of Minnesota
Application August 29, 1938, Serial No. 227,381
5 Claims. (Cl. 48—192)



1. An apparatus for filtering and regulating the flow of gas from a generator to a device to be supplied such as a torch, said apparatus comprising a casing having a water chamber in its lower portion serving as a filter and flash back chamber, means for supplying gas to said chamber whereby the gas must pass through the water therein, a partition in the upper portion of the casing above the water level, a pressure regulating valve in said partition having means for connecting it to the torch, whereby gas is supplied thereto at constant pressure, and a normally closed water intake in the wall of the casing above said partition, whereby when fresh water is introduced into the casing through said intake and the regulating valve is open, said water will flow through and flush the open regulating valve and its seat of foreign matter.

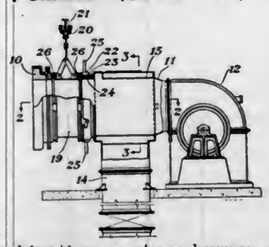
2,247,038
TIME DELAY SWITCH
Leopold Uriga, Berlin, Germany
Application March 18, 1936, Serial No. 69,467
In Germany June 6, 1934
7 Claims. (Cl. 200—33)



1. In a switch of the class described, the combination of a casing, a terminal support ar-

ranged in said casing, a plurality of circuit terminals carried by said support, a control member movably arranged in an opening of said casing, a bridging contact connected to said control member and adapted to be moved into engagement with said circuit terminals, retarding means for maintaining the bridging contact in engagement with the circuit terminals during a predetermined period of time, said retarding means comprising a suction-cup member and a counter-plate member, one of said members being connected to said control member the other one being connected to said support, said control member being depressible to move said bridging contact into engagement with said circuit terminals and to engage the members of said retarding means with each other thereby forming a hollow chamber within said members, a channel passing through the wall of the suction-cup member and communicating said hollow chamber through said opening of the casing with the air outside of the latter, a valve plate adapted to be moved against the open end of said channel to determine the amount of air flowing into said hollow space, a screw connected to said control member, said screw cooperating with said valve plate and being rotatable by a rotation of said control member to move said valve plate relatively to said open end of the channel, and a resilient member acting on said retarding means to instantaneously disengage the members thereof from each other after a predetermined pressure of the air in said hollow chamber has been reached.

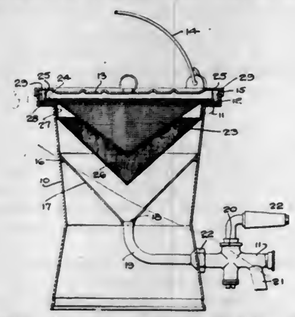
2,247,039
STOVE BURNER
Arthur J. Whitcomb, Olaf C. Callow, and Wilfred C. Schofield, Chicago, Ill., assignors to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Application December 16, 1938, Serial No. 246,140
7 Claims. (Cl. 158—109)



1. In combination, a stove burner and a removable distance piece, means for supplying air under pressure to said burner and means for supplying gas to said burner, said distance piece having the function of connecting said burner to a stove, said burner and said distance piece having cooperating partitions for directing said air and said gas in proximity to each other to a stove while keeping said air and gas separated throughout the distance that said air and said gas must travel through said burner and substantially up to the point of entry to said stove.

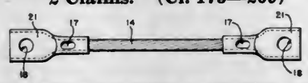
2,247,040
HOT OIL STRAINER
Henry Whitsett, Philadelphia, Pa.
Application June 22, 1939, Serial No. 280,637
3 Claims. (Cl. 210—155)

1. A hot oil strainer of the class described comprising an open-ended cylindrical member having along its upper edge an annular horizontal flange terminating in an upwardly extending vertical flange to provide an annular seat interiorly of said member, an oil receiving pan secured interiorly of said member intermediate the top and bottom ends thereof; said pan being of inverted conical shape having an oil discharging opening at the apex of the inverted cone, a tube connected to said opening and extending transversely through the wall of said member at a point below said pan, an oil draw-off faucet secured to the outer end of said tube,



and a pair of strainers detachably supported within said member above said pan, the bodies of said strainers being each of inverted conical shape and having flat annular flanges surrounding the upper edges thereof for supporting the same upon said annular seat, said strainers being respectively of such shape and positionally so related that while the supporting flanges thereof are in flatwise engagement with each other when resting on said seat the strainer bodies are substantially separated vertically from each other and from the conical oil receiving pan.

2,247,041
WIRE CONNECTOR
Martin D. Bergan, Westfield, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application February 9, 1940, Serial No. 318,038
2 Claims. (Cl. 173—269)



1. An electrical wiring connector comprising, in combination, a tubular terminal of stepped-size formation providing two lengths of different diameters, thereby constituting small and large tubular lengths merging integrally through a conically-shaped portion substantially intermediate the extremities of the terminal, and a stranded wire conductor mounted with a snug fit in the small tubular length and extended into the large tubular length with a loose fit, the wire strand extremities being made substantially flush with the extremity of the large tubular length, and the large tubular length being reduced by pressure to form a wide flattened end with the wire strands spreading out from side to side therein, the resultant pressure on the wide flattened end establishing an anchorage and positive electrical connection with the wire strands, the pressure aforesaid also producing a flattening line extending across the conically-shaped portion substantially transversely of its axis, whereby the wire strands are supported by the small tubular length to endure vibration by restraining said strands against bending motion at the flattening line.

2,247,042
EXTREME PRESSURE LUBRICANT
Henry G. Berger and Darwin E. Badertscher, Woodbury, and Francis M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 25, 1940, Serial No. 358,286
8 Claims. (Cl. 252—48)

1. An extreme pressure lubricant comprising a hydrocarbon lubricating oil and in admixture therewith a minor proportion of the product obtained by the reaction of perchloromethylmercaptan with an organic amine.

2,247,043
EXTREME PRESSURE LUBRICANT
Henry G. Berger and Darwin E. Badertscher, Woodbury, and Francis M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 25, 1940, Serial No. 358,287
5 Claims. (Cl. 252—48)

1. An extreme pressure lubricant comprising a hydrocarbon lubricating oil and in admixture therewith a minor proportion of the product obtained by the reaction of perchloromethylmercaptan with an aromatic hydrocarbon.

2,247,044
EXTREME PRESSURE LUBRICANT
Henry G. Berger and Darwin E. Badertscher, Woodbury, and Francis M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 25, 1940, Serial No. 358,288
10 Claims. (Cl. 252—48)

1. An extreme pressure lubricant comprising a hydrocarbon lubricating oil and in admixture therewith a minor proportion of the product obtained by reacting perchloromethylmercaptan with an organic compound having the general formula ROX, in which R is selected from the group consisting of alkyl, aryl, alkaryl, and aralkyl radicals and X is selected from the group consisting of hydrogen and the hydrogen equivalent of a metal.

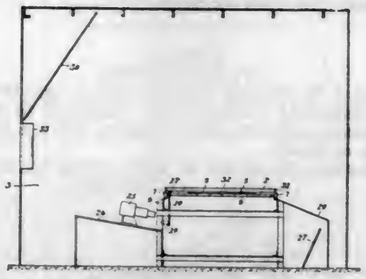
2,247,045
EXTREME PRESSURE LUBRICANT
Henry G. Berger and Darwin E. Badertscher, Woodbury, and Francis M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 23, 1940, Serial No. 362,372
17 Claims. (Cl. 252—48)

1. An extreme pressure lubricant composition comprising a hydrocarbon oil and in admixture therewith a minor proportion of the product obtained by the reaction of perchloromethylmercaptan with a compound selected from the group consisting of organic compounds containing reactive hydrogen atoms and organic compounds containing reactive metallic atoms, said reaction product containing both sulfur and chlorine and being present in the oil in an amount sufficient to increase its load-carrying capacity.

2,247,046
EXTREME PRESSURE LUBRICANT
Henry G. Berger and Darwin E. Badertscher, Woodbury, and Francis M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 23, 1940, Serial No. 362,373
9 Claims. (Cl. 252—48)

1. An extreme pressure lubricant comprising a hydrocarbon oil and in admixture therewith a minor proportion of the product obtained by the reaction of perchloromethylmercaptan with a compound having the general formula RSX, wherein R represents a radical selected from the group consisting of alkyl, aryl, aralkyl, and alkaryl radicals and X represents an element selected from the group consisting of hydrogen and metal, the said reaction product containing both sulfur and chlorine and being present in the oil in an amount sufficient to increase its load-carrying capacity.

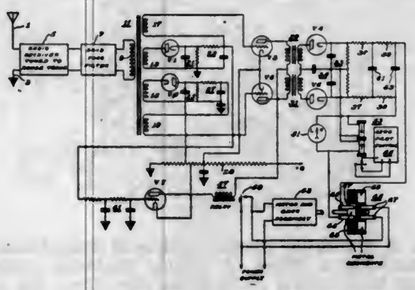
2,247,047
APPARATUS FOR INSPECTING GLASS SHEETS OR THE LIKE
Frederic L. Bishop, Jr., Jeannette, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 18, 1938, Serial No. 241,184
9 Claims. (Cl. 88—14)



3. Apparatus for inspecting glass sheets comprising a light source for projecting a beam of light, an image-receiving screen in the path of said light beam, and means for supporting a glass sheet to be inspected in the path of said light beam and at an angle of approximately 20° to 40° relative thereto, the distances between the screen, the supporting means and the light source being such as to provide a clearly visible image on the screen showing waves and other defects in the sheet and the light beam having a sufficient spread to cover a substantial portion of the sheet.

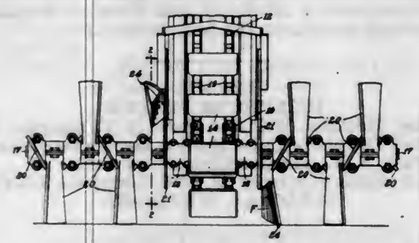
2,247,048
RADIO NAVIGATION EQUIPMENT
Donald S. Bond, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application July 30, 1938, Serial No. 222,084
9 Claims. (Cl. 250—11)

9. The method of converting aural radio range telegraphic signals alternately identifying the range and indicating courses by characteristic radio signal currents into direct currents having a polarity dependent upon the predominating of the characteristic course signals and for rendering said conversion ineffective during intervals corresponding to the transmission and reception of range identifying signals which comprises receiving said radio signals bearing said course and identifying signals, converting said radio signals into alternating currents bearing said course signals, rectifying said alternating current signals to produce a pair of asymmetrical currents, amplifying said alternating current course signals,



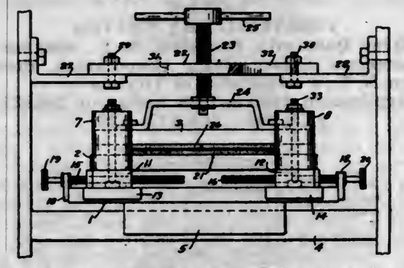
varying the degree of said amplification as a function of said asymmetric currents, visually indicating the asymmetry of said last mentioned rectified currents, and interrupting said visual indication during intervals corresponding to the transmission of range identifying signals.

2,247,049
WAGON LOADER
William H. Bosworth, Yonkers, N. Y., assignor to George Haiss Manufacturing Co. Inc., New York, N. Y., a corporation of New York
Application July 28, 1939, Serial No. 287,037
2 Claims. (Cl. 198—9)



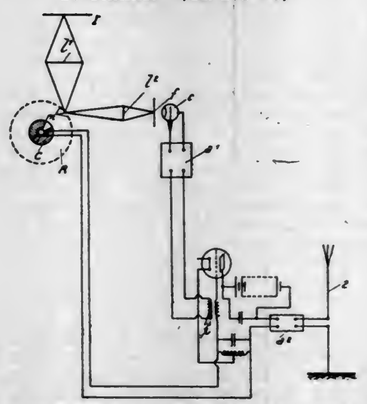
1. A wagon loader comprising a conveyor adapted to receive material at the pick-up end thereof and elevate it to the discharge end of the same, material-feeding mechanism for moving the material to be loaded toward and into the path of said conveyor at the pick-up end of said conveyor and including a shaft projecting outwardly beyond said conveyor, a master propeller blade carried by said shaft adjacent said conveyor and having an inclined face, a cobble-protection plate disposed intermediate said conveyor and said master propeller blade and having a front edge past which said master propeller blade moves incident to rotation of said shaft during operation of said feeding mechanism, said inclined face and said front edge being curved in reverse with respect to each other and each element of said inclined face forming with said front edge the vertex of an angle greater than an acute angle and less than a straight angle as said master propeller blade moves past said front edge, the sides of the first-mentioned angle being represented by planes intersecting each other at said vertex and being there tangent to said front edge and any one of said elements.

2,247,050
ROLLING MILL GUIDE AND SHOE
David S. Campbell, Springdale, Conn.
Application January 30, 1939, Serial No. 253,469
6 Claims. (Cl. 80—51)



1. A roll guide and shoe of the type having upper and lower cushioned gripping and tensioning plates with one adjustable in relation to the other, and with guides for sheet material cooperating with said plates, characterized by a laterally movable bed plate upon which the guides and lower tensioning plate are mounted, longitudinal bars slidable on said bed plate, means adjusting the positions of the bars laterally independently, posts extending upward from the ends of said bars forming the said guides, a cross bar positioned above the said bed plate, and adjustable supporting means in said cross bar attached to the upper tensioning plate through a bracket having two connecting points for distributing the load for clamping said upper tensioning plate against material on said lower tensioning plate.

2,247,051
METHOD AND APPARATUS FOR TELEVISION
Constantin Chilowsky and Alexis Guerbilsky, Paris, France; said Chilowsky assignor to said Guerbilsky
Application April 23, 1928, Serial No. 272,319
In France April 26, 1927
17 Claims. (Cl. 178—6)



1. In the art of transmitting vision employing a line scanning system for picture transmission, a luminously responsive receiving screen comprising a plurality of electrical conductors associated with a body of inert gas, said conductors being arranged in a plurality of parallel planes corresponding in number and arrangement to the different lines described across the transmitted picture, means for making said conduc-

2,247,042
EXTREME PRESSURE LUBRICANT
Henry G. Berger and Darwin E. Badertscher, Woodbury, and Francis M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 25, 1940, Serial No. 358,286
8 Claims. (Cl. 252—48)

1. An extreme pressure lubricant comprising a hydrocarbon lubricating oil and in admixture therewith a minor proportion of the product obtained by the reaction of perchloromethylmercaptan with an organic amine.

2,247,043
EXTREME PRESSURE LUBRICANT
Henry G. Berger and Darwin E. Badertscher, Woodbury, and Francis M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 25, 1940, Serial No. 358,287
5 Claims. (Cl. 252—48)

1. An extreme pressure lubricant comprising a hydrocarbon lubricating oil and in admixture therewith a minor proportion of the product obtained by the reaction of perchloromethylmercaptan with an aromatic hydrocarbon.

2,247,044
EXTREME PRESSURE LUBRICANT
Henry G. Berger and Darwin E. Badertscher, Woodbury, and Francis M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 25, 1940, Serial No. 358,288
10 Claims. (Cl. 252—48)

1. An extreme pressure lubricant comprising a hydrocarbon lubricating oil and in admixture therewith a minor proportion of the product obtained by reacting perchloromethylmercaptan with an organic compound having the general formula ROX, in which R is selected from the group consisting of alkyl, aryl, alkaryl, and aralkyl radicals and X is selected from the group consisting of hydrogen and the hydrogen equivalent of a metal.

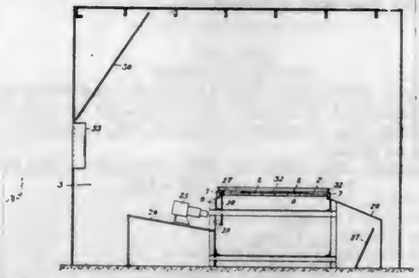
2,247,045
EXTREME PRESSURE LUBRICANT
Henry G. Berger and Darwin E. Badertscher, Woodbury, and Francis M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 23, 1940, Serial No. 362,372
17 Claims. (Cl. 252—48)

1. An extreme pressure lubricant composition comprising a hydrocarbon oil and in admixture therewith a minor proportion of the product obtained by the reaction of perchloromethylmercaptan with a compound selected from the group consisting of organic compounds containing reactive hydrogen atoms and organic compounds containing reactive metallic atoms, said reaction product containing both sulfur and chlorine and being present in the oil in an amount sufficient to increase its load-carrying capacity.

2,247,046
EXTREME PRESSURE LUBRICANT
Henry G. Berger and Darwin E. Badertscher, Woodbury, and Francis M. Seger, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application October 23, 1940, Serial No. 362,373
9 Claims. (Cl. 252—48)

1. An extreme pressure lubricant comprising a hydrocarbon oil and in admixture therewith a minor proportion of the product obtained by the reaction of perchloromethylmercaptan with a compound having the general formula RSX, wherein R represents a radical selected from the group consisting of alkyl, aryl, aralkyl, and alkaryl radicals and X represents an element selected from the group consisting of hydrogen and metal; the said reaction product containing both sulfur and chlorine and being present in the oil in an amount sufficient to increase its load-carrying capacity.

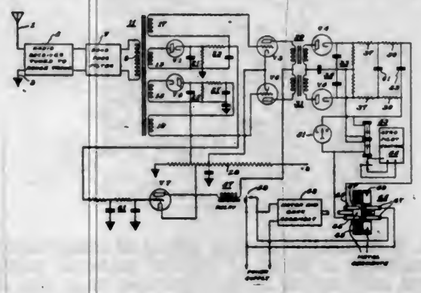
2,247,047
APPARATUS FOR INSPECTING GLASS SHEETS OR THE LIKE
Frederic L. Bishop, Jr., Jeannette, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 18, 1938, Serial No. 241,184
9 Claims. (Cl. 88—14)



3. Apparatus for inspecting glass sheets comprising a light source for projecting a beam of light, an image-receiving screen in the path of said light beam, and means for supporting a glass sheet to be inspected in the path of said light beam and at an angle of approximately 20° to 40° relative thereto, the distances between the screen, the supporting means and the light source being such as to provide a clearly visible image on the screen showing waves and other defects in the sheet and the light beam having a sufficient spread to cover a substantial portion of the sheet.

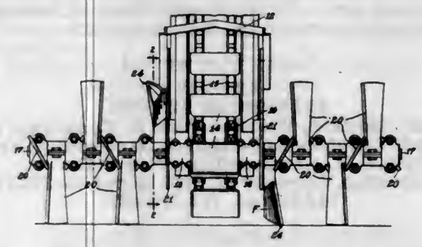
2,247,048
RADIO NAVIGATION EQUIPMENT
Donald S. Bond, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application July 30, 1938, Serial No. 222,084
9 Claims. (Cl. 250—11)

9. The method of converting aural radio range telegraphic signals alternately identifying the range and indicating courses by characteristic radio signal currents into direct currents having a polarity dependent upon the predominating of the characteristic course signals and for rendering said conversion ineffective during intervals corresponding to the transmission and reception of range identifying signals which comprises receiving said radio signals bearing said course and identifying signals, converting said radio signals into alternating currents bearing said course signals, rectifying said alternating current signals to produce a pair of asymmetrical currents, amplifying said alternating current course signals,



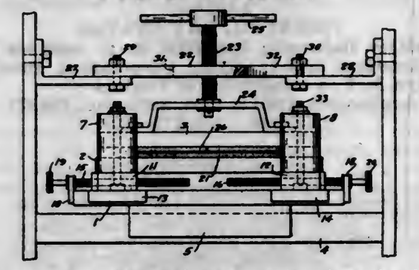
varying the degree of said amplification as a function of said asymmetric currents, visually indicating the asymmetry of said last mentioned rectified currents, and interrupting said visual indication during intervals corresponding to the transmission of range identifying signals.

2,247,049
WAGON LOADER
William H. Bosworth, Yonkers, N. Y., assignor to George Haiss Manufacturing Co. Inc., New York, N. Y., a corporation of New York
Application July 28, 1939, Serial No. 287,037
2 Claims. (Cl. 198—9)



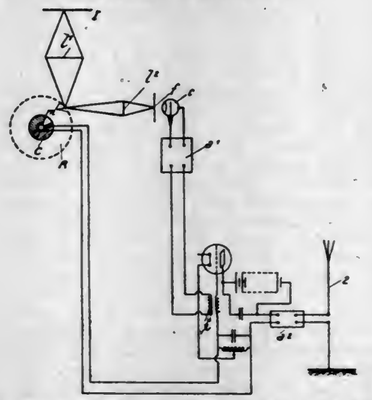
1. A wagon loader comprising a conveyor adapted to receive material at the pick-up end thereof and elevate it to the discharge end of the same, material-feeding mechanism for moving the material to be loaded toward and into the path of said conveyor at the pick-up end of said conveyor and including a shaft projecting outwardly beyond said conveyor, a master propeller blade carried by said shaft adjacent said conveyor and having an inclined face, a cobble-protection plate disposed intermediate said conveyor and said master propeller blade and having a front edge past which said master propeller blade moves incident to rotation of said shaft during operation of said feeding mechanism, said inclined face and said front edge being curved in reverse with respect to each other and each element of said inclined face forming with said front edge the vertex of an angle greater than an acute angle and less than a straight angle as said master propeller blade moves past said front edge, the sides of the first-mentioned angle being represented by planes intersecting each other at said vertex and being there tangent to said front edge and any one of said elements.

2,247,050
ROLLING MILL GUIDE AND SHOE
David S. Campbell, Springdale, Conn.
Application January 30, 1939, Serial No. 253,469
6 Claims. (Cl. 80—51)



1. A roll guide and shoe of the type having upper and lower cushioned gripping and tensioning plates with one adjustable in relation to the other, and with guides for sheet material cooperating with said plates, characterized by a laterally movable bed plate upon which the guides and lower tensioning plate are mounted, longitudinal bars slidable on said bed plate, means adjusting the positions of the bars laterally independently, posts extending upward from the ends of said bars forming the said guides, a cross bar positioned above the said bed plate, and adjustable supporting means in said cross bar attached to the upper tensioning plate through a bracket having two connecting points for distributing the load for clamping said upper tensioning plate against material on said lower tensioning plate.

2,247,051
METHOD AND APPARATUS FOR TELEVISION
Constantin Chilowsky and Alexis Guerbilsky, Paris, France; said Chilowsky assignor to said Guerbilsky
Application April 23, 1928, Serial No. 272,319
In France April 26, 1927
17 Claims. (Cl. 178—6)



1. In the art of transmitting vision employing a line scanning system for picture transmission, a luminously responsive receiving screen comprising a plurality of electrical conductors associated with a body of inert gas, said conductors being arranged in a plurality of parallel planes corresponding in number and arrangement to the different lines described across the transmitted picture, means for making said conduc-

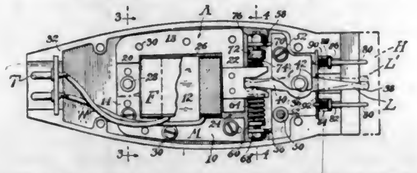
tors luminous, and means for causing each point of a conductor to glow with the proper intensity to reproduce a picture point.

2,247,052

VIBRATING DRY SHAVER

Godfrey Dalkowitz, Brooklyn, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia

Application April 8, 1938, Serial No. 200,827
2 Claims. (Cl. 172—126)



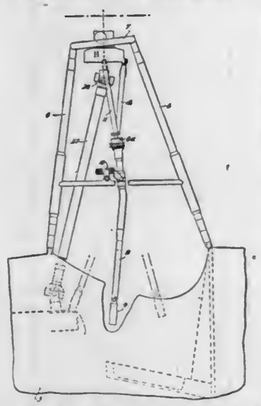
1. Vibrator means comprising an electromagnet having a flux-carrying core consisting of a fixed portion, flux-carrying throughout, and a movable portion, also flux-carrying throughout, said portions being pivotally united to each other, a pivotally mounted straight power transmitting lever having one of its ends engaging the free end of the movable portion of said core, and said pivot of the magnet being substantially in alignment with the direction of the lever.

2,247,053

ROTATIVE WINGED AIRCRAFT

George Bertrand Leslie Ellis, Thames Ditton, Surrey, England, assignor to Autogiro Company of America, Willow Grove, Pa., a corporation of Delaware

Application January 9, 1939, Serial No. 249,863
In Great Britain January 13, 1938
7 Claims. (Cl. 244—18)



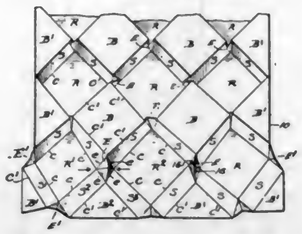
1. In an aircraft having a sustaining rotor incorporating a hub and a blade, the latter being mounted for pitch change movement, a member for driving the rotor associated with the rotor hub but capable of limited rotation with respect thereto, means cooperating with said member and the blade mounting to provide for decrease of the blade pitch when the member and hub occupy predetermined relative positions under the influence of drive of said member, and releasable means for locking the hub and driving member in said predetermined positions in which the blade pitch is decreased.

2,247,054

DECORATIVE DISPLAY ARTICLE OF MANUFACTURE

Theodore H. Firks, Chicago, Ill.

Application April 22, 1940, Serial No. 330,968
4 Claims. (Cl. 41—24)



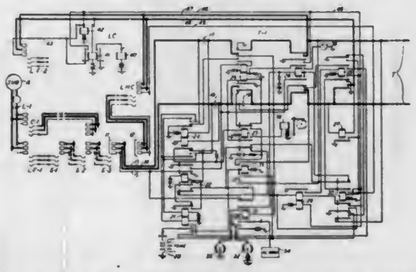
2. A decorative display article of manufacture comprising a sheet of pliable material scored along intersecting pairs of parallel lines, one set of score lines extending at right angles to the other set, thereby providing alternate square raised sections which abut at the corners, contiguous rectangular side sections, square bottom sections intermediate the side sections, and square end sections joining the side sections, the square end sections being scored along intersecting lines running diagonally of the square end sections and the sheet being folded on the score lines to form alternate raised sections and bottom sections lying in two parallel planes connected by the side sections, and the square end sections being folded upon themselves along the intersecting diagonal score lines thereof and projecting from the ends of the side sections into the space below the raised sections and serving to hold together the corners formed by the side sections, and a relatively stiff sheet of backing material secured to the bottom sections.

2,247,055

TELEPHONE SYSTEM

Henry Hovland, Williston Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 28, 1939, Serial No. 306,470
14 Claims. (Cl. 179—27)



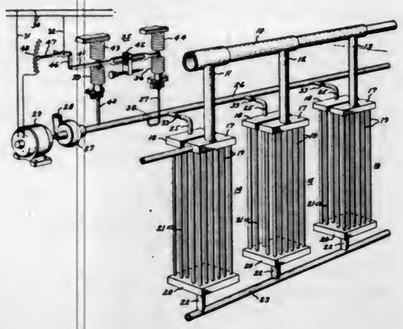
1. In a telephone system, subscribers' lines, a central office, a private branch exchange, a group of trunks between said office and exchange, selectors and connectors in said central office, and means for connecting a calling line with a selector, the trunks in said group being multipled to first choice sets of terminals in a level of the bank of each of said selectors and to terminals in the banks of said connectors, each of the remaining sets of terminals in said level of the banks of said selectors being connected to one of said connectors.

2,247,056

CONDENSER CONTROL APPARATUS

Alan Howard, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application October 5, 1939, Serial No. 298,158
15 Claims. (Cl. 257—2)



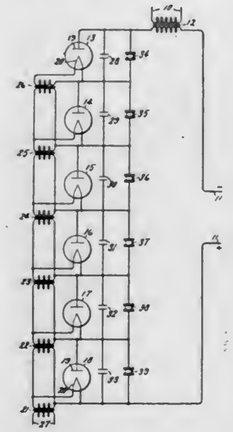
1. In combination, a condenser, means for extracting non-condensibles from said condenser, and means for controlling the extracting means and responsive to changes of the pressure ratio of condensibles and non-condensibles to maintain substantially constant the proportion of condensibles admixed with the non-condensibles being extracted.

2,247,057

ELECTRIC VALVE CONVERTING SYSTEM

Albert W. Hull, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application May 20, 1939, Serial No. 274,775
6 Claims. (Cl. 175—363)



1. In combination, a circuit including a plurality of electric discharge valves having the anode-cathode circuits thereof connected in series, means for impressing a voltage on said circuit, and means including a resistance material having a continuous inverse voltage-resistance characteristic for distributing said voltage among said valves.

2,247,058

REFLECTOR

William Irby, Saugus, Mass., assignor to General Electric Company, a corporation of New York

Application July 27, 1938, Serial No. 221,648
1 Claim. (Cl. 88—105)



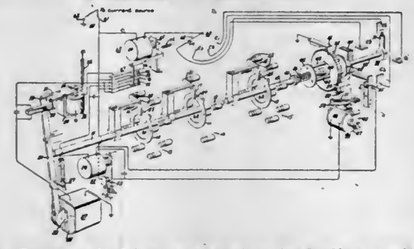
A reflector for light projectors operable at temperatures up to 350° C. comprising a glass body, a silver coating deposited thereon having a thickness of not less than .00003", and a protective coating of vitreous enamel fired into said reflecting coating, said enamel partially alloying with said silver and comprising 55% to 70% litharge, 10% to 20% boric acid, 5% zinc oxide and 10% to 20% silica.

2,247,059

REMOTE CONTROL SWITCHING APPARATUS

Marwin R. Johnson, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application January 4, 1939, Serial No. 249,350
5 Claims. (Cl. 175—375)



1. In a switching apparatus including switch means for selecting prearranged circuits comprising a shaft, fixed contacts connected respectively to said circuits and a movable contact cooperating therewith carried by said shaft, an adjustable selector switch and a selector switch in series therewith actuated by said shaft, a current source, a control relay energized from said source through said selector switches when said shaft is in position to engage said movable contact with one of said fixed contacts thereby to select one of said circuits, means comprising a relay controlled by said first relay to lock said shaft in said position and to release said shaft when said adjustable switch is moved to select another of said circuits, means to move said shaft longitudinally to disengage said movable and fixed contacts, a step by step mechanism comprising a magnet and means controlled by said first relay to energize said magnet periodically until said shaft is rotated to a second position selected by said adjustable switch, means comprising a switch controlled in accordance with the longitudinal movement of said shaft to prevent said energizing of said magnet until said movable and fixed contacts are fully disengaged, and a translator magnet controlled by said first relay to return said shaft to locked position.

2,247,060

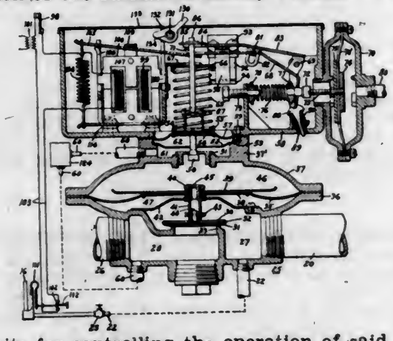
GAS FURNACE CONTROL

Samuel J. Levine and William J. King, East Orange, N. J., assignors to General Electric Company, a corporation of New York

Application July 20, 1938, Serial No. 220,230
13 Claims. (Cl. 236—9)

1. In combination, a gas furnace having a vari-

able pressure gas supply source, control means for said furnace including a differential gas pressure operated valve for controlling the flow of gas from said source to said furnace and an auxiliary pressure responsive regulating valve for controlling the differential gas pressure effective on said first valve for maintaining the pressure of the gas supplied to the furnace substantially constant, means responsive to a condition of the furnace normally variable between



limits for controlling the operation of said auxiliary valve to effect operation of the main valve to vary the pressure of the gas supplied to the furnace between corresponding limits, and snap action means rendered effective upon response of said furnace condition responsive means to an abnormal condition of the furnace for controlling operation of said auxiliary valve to effect operation of the main valve to stop the flow of gas from said source to said furnace.

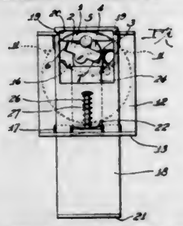
2,247,061

PUSH BUTTON SWITCH

Edmund G. Lodge, St. Marys, Pa., assignor to Stackpole Carbon Company, St. Marys, Pa., a corporation of Pennsylvania

Application October 24, 1940, Serial No. 362,527

6 Claims. (Cl. 200—159)



1. The combination with a snap switch provided with a pivotally mounted snap action trigger having ears projecting from opposite sides of its pivot pin, of a slide movable back and forth across the switch in a direction oblique to a line passing through said ears, said slide being provided with a transverse slot spaced from the trigger, a trigger actuator having a portion extending along the slide and having an outer portion extending through said slot whereby the actuator is moved inwardly toward the trigger by the slide, the outer wall of said slot being provided with an inwardly projecting central portion forming a fulcrum on which the actuator is rotatable in both directions toward and from a central position, and means for biasing said slide in a direction that tends to move its slot outwardly away from the trigger and for holding the actuator in said central position when the slot is in its outer position, said actuator being adapted when moved inwardly by the slide to push the adjacent trigger ear and to swing laterally from central position until said trigger snaps.

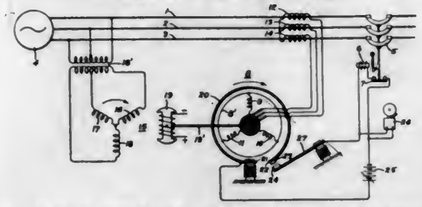
2,247,062

PHASE BALANCE CONDITION RESPONSIVE DEVICE

Richard G. Lorraine, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 16, 1939, Serial No. 309,627

13 Claims. (Cl. 175—294)



1. Means operative in dependence on a symmetrical component of a three-phase alternating current circuit comprising an induction dynamoelectric machine having a wound rotor whose windings are connected to the circuit to produce a flux field rotating in a given direction during predetermined circuit conditions, means for synchronously rotating said rotor in the same direction as said flux field, a thermoresponsive element of electric current conducting material adjacent said rotor, and means operated by said thermoresponsive element on eddy current heating thereof in consequence of the double frequency flux of said rotor.

2,247,063

REFRIGERATOR

Delbert F. Newman, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application April 24, 1940, Serial No. 331,444

4 Claims. (Cl. 62—89)



1. In a refrigerator cabinet, a cooling element, said element being provided with an opening at the front thereof, a closure member constructed and arranged for closing said opening, a portion of said member being so arranged that when said member is in the closed position said portion is disposed in a relatively good thermal association with the edges of said opening, said member being formed from a material having relatively high heat conducting characteristics as compared to the material from which said element is formed whereby heat transferred to the member from the air circulating thereacross is transmitted to said portion for minimizing the accumulation of frost adjacent said edges.

2,247,064

ELECTRICALLY INSULATING COMPOSITION

Paul Nowak, Berlin-Charlottenburg, Germany, assignor to General Electric Company, a corporation of New York

No Drawing. Application November 2, 1938, Serial No. 238,491. In Germany November 10, 1937

6 Claims. (Cl. 260—42)

1. An electrically insulating composition comprising essentially a polyvinyl halide having incorporated therewith not exceeding substantially 10 per cent by weight thereof of separately polymerized butyl acrylate thereby to increase the low-temperature impact strength of the said composition.

2,247,065

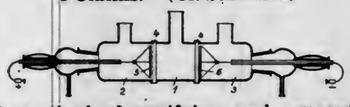
METHOD OF PURIFYING AND CONCENTRATING CAOUTCHOUC DISPERSIONS OR THE LIKE

Wolfgang Pauli and Paul Stamberger, Vienna, Austria, assignors, by mesne assignments, to the firm Dunlop Plantations Limited, London, England, a company of Great Britain

Application January 4, 1937, Serial No. 119,052

In Austria January 11, 1936

4 Claims. (Cl. 204—180)



1. A method of purifying and concentrating natural and artificial aqueous rubber dispersions which comprises disposing such dispersions between upright diaphragms permeable to electric current, which diaphragms also separate said dispersions from electrodes, passing a periodically reversing electric current between the electrodes through the dispersions, which current is insufficient to deposit rubber from said dispersions in a solid state, the path of said current being substantially horizontal and the periodicity of such reversal being materially less than 25 cycles per second, continuing the electrical treatment of said dispersions until stratified separation of the colloids into superposed, free, floating layers according to specific gravities is effected while retaining the colloidal character of the substances contained in the dispersions, and then separating the superposed liquid layers formed thereby.

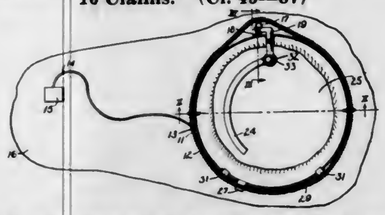
2,247,066

TRAP

Antone J. Popp, Chicago, Ill.

Application May 24, 1939, Serial No. 275,347

16 Claims. (Cl. 43—87)



1. A trap comprising a coil spring loop, an annular frame adapted to hold said loop extended, a noose formed of a flexible member capable of transmitting endwise pressure, the loop of said noose extending around within said coil spring and being coextensive with said coil spring loop, and means operable by the attempted passage of an animal through said open frame for releasing said coextensive loops from said frame.

2,247,067

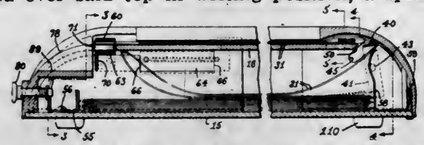
AUTOGRAPHIC REGISTER

Charles W. Potter, Waltham, Mass.

Application December 3, 1938, Serial No. 243,717

10 Claims. (Cl. 282—12)

9. In an autographic register, the combination of a flat container adapted for holding a fold pack comprising a continuous multiple strip, folded zigzag on transverse weakened lines, said container being open at its forward end and having a top adapted to serve as a writing table, an aligning member pivotally mounted at the open end of said container and having a thin edge parallel with the forward end of said top and normally in advanced alignment therewith, said edge being adapted for engaging a fold in said strip to resist feeding when the free end of said strip is led around said aligning member and over said top in writing position, a spring



for normally holding said member in advanced relation to the forward end of said top yet permitting said member to be turned toward said end by a rearward pull on the end of said strip to open said fold and to release it from said member to prevent feeding of the strip, and a cover detachably fastened to said container for enclosing the same, said cover having a top opening for exposing the forms on said writing table and having fastened to the inner face of its forward end a guide for controlling the course of said strip to said aligning member to form a sharp fold in said strip.

2,247,068

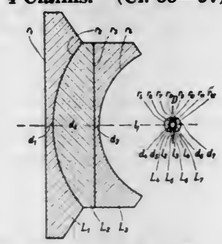
ANASTIGMATIC PHOTOGRAPHIC OBJECTIVE

Robert Richter, Jena, Germany, assignor to the firm of Carl Zeiss, Jena, Germany

Application July 7, 1939, Serial No. 283,279

In Germany July 18, 1938

4 Claims. (Cl. 88—57)

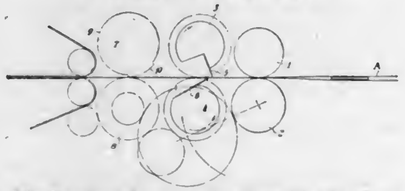


		n_d	ν
$r_1 = \infty$	$d_1 = 5.3$	1.6228	56.9
$r_2 = 86.1$	$d_2 = 28.7$	1.6477	33.9
$r_3 = \infty$	$d_3 = 3.2$	1.6228	56.9
$r_4 = 53.22$	$l_1 = 45.65$		
$r_5 = 5.335$	$d_4 = 3.27$	1.5163	64.0
$r_6 = 10.815$	$l_2 = 0.02$		
$r_7 = 4.112$	$d_5 = 0.32$	1.7283	28.3
$r_8 = 3.219$	$l_3 = 3.70$		
$r_9 = 3.219$	$d_6 = 0.32$	1.7283	28.3
$r_{10} = 4.112$	$l_4 = 0.02$		
$r_{11} = 10.815$	$d_7 = 3.27$	1.5163	64.0
$r_{12} = 5.335$			

1. An anastigmatic photographic objective with barrel-shaped distortion for angles of view greater than 100°, consisting of a divergent lens system facing the object, and a convergent lens system, the two systems being in axial alignment and axially separated, the distance between the rear principal point of the divergent system and the front principal point of the convergent system being greater than half and smaller than four times the focal length of the convergent system, said convergent system being an objective having at either side of the diaphragm plane a group of axially spaced meniscal members, the concave

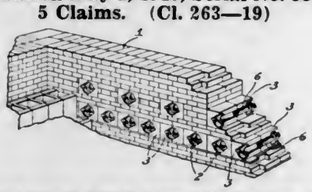
sides of which facing the diaphragm plane, that member of each group next to the diaphragm plane being divergent, and at least one member of each group being convergent, whereby on each side of the diaphragm plane those refractive surfaces of the divergent and the convergent members facing each other are differently curved, and the axial distance apart of those two faces of the divergent members which are next to the diaphragm plane being greater than four fifths of the arithmetic mean of the numerical values of the radii of curvature of said two faces.

2,247,069
SEVERING MECHANISM FOR BAG MAKING MACHINES
Tom Sargent and Samuel Duerden, Whitehall, Bristol, England, assignors to Strachan & Henshaw, Limited, Whitehall, Bristol, England, a company of Great Britain and Northern Ireland
Application December 8, 1939, Serial No. 308,164
In Great Britain December 8, 1938
5 Claims. (Cl. 164—84.5)



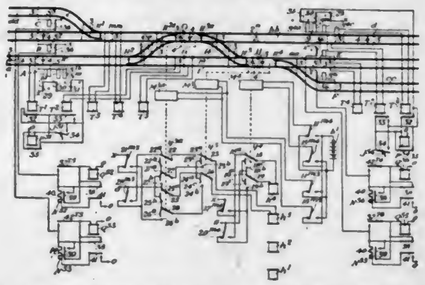
1. Mechanism for severing bag blanks from an interiorly unsupported tubular traveling web, comprising a pair of serrated blades extending transversely of the web and mounted for rotation at opposite sides of said web in spaced relation, the peripheral speed of said blades being faster than the surface speed of the web, said blades being adapted at each revolution thereof to contact the surface of said web at an acute angle and in the same direction of travel thereby to form transverse lines of perforations in opposite sides of the web, means operative simultaneously with the action of the blades to increase the tension on the web in the direction of travel thereby to sever the web along the lines of perforation, and means for varying the angle of the blades to each other and to the traveling web.

2,247,070
CLEAN-OUT BLOCK ASSEMBLY
Henry L. Smalley, Chicago, Ill., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 1, 1940, Serial No. 332,759
5 Claims. (Cl. 263—19)



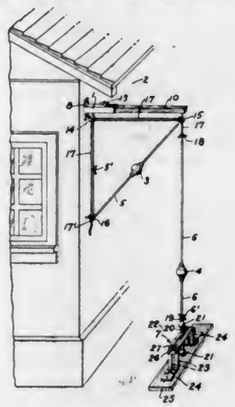
1. A clean-out block assembly for use in a furnace wall, comprising a block provided with a passage therethrougn having an enlarged outer end to form an outwardly facing shoulder, a plug disposed in said passage and having an enlarged outer end portion disposed in the enlarged end of the passage forming an inwardly facing shoulder opposite said passage shoulder, sealing means disposed between said shoulders, and resilient means disposed inside said passage for pressing the plug shoulder against said sealing means.

2,247,071
INTERLOCKING CONTROL APPARATUS
Lester E. Spray, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 22, 1934, Serial No. 726,957
80 Claims. (Cl. 246—134)



1. In an interlocking control system for a plurality of railway tracks interconnected by switches to form a plurality of routes, a normal and a reverse control relay for each of said switches, a plurality of interconnected circuits for said plurality of routes each of said circuits including in series the control element of the normal or the reverse control relay for each switch in a corresponding route and also including manually controlled means and a source of current for operating the relays in the circuit, and means controlled by the normal and reverse control relays for each switch for operating the corresponding switch to normal and reverse positions respectively.

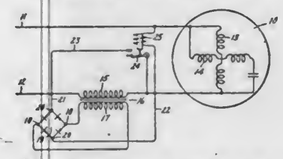
2,247,072
TENNIS STROKE PRACTICE DEVICE
Thomas D. Stow, Berkeley, Calif.
Application February 5, 1940, Serial No. 317,344
8 Claims. (Cl. 273—29)



1. In a tennis practice device, a ball supported on an elastic cord in a manner adapted for striking by a player, and means depending from the elastic cord for dampening the oscillations of the ball when struck, said means including a pendulous body and retainer means formed with a slot

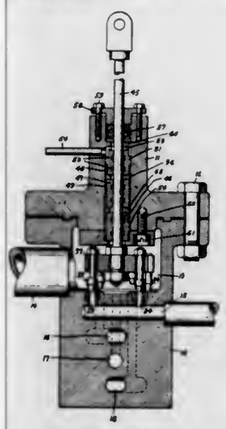
embracing said body and extending substantially parallel to the direction of the stroke for limiting the motion of said body.

2,247,073
APPARATUS FOR STARTING ELECTRIC MOTORS
Louis W. Thompson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 3, 1939, Serial No. 254,429
7 Claims. (Cl. 172—289)



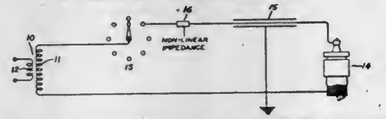
7. In combination, an alternating current load having a relatively low initial impedance and a relatively high working impedance, said high working impedance being attained a predetermined time interval after the application of power to said load, a reactor connected in series with said load, a core for said reactor, a single direct current winding arranged in inductive relation with said core and having an inductance such that the transient build-up of current therethrough occupies a time interval approximately equal to said predetermined time interval.

2,247,074
SEALING ARRANGEMENT
Donald F. Warner, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Original application December 10, 1937, Serial No. 179,169, now Patent No. 2,177,544, dated October 24, 1939. Divided and this application July 28, 1939, Serial No. 287,042
4 Claims. (Cl. 286—1)



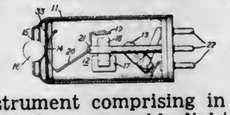
1. The combination of a body having a bore, a rod projecting through the bore, and means for sealing the rod in the bore comprising a floating sleeve having sealing contact with the rod and a slight clearance with the bore and a rocking sleeve on each side of the floating sleeve having sealing contact with the rod and an outer relatively narrow projection engaging the bore to permit slight rocking movement of the rod.

2,247,075
ELECTRIC IGNITION SYSTEM
Kenneth J. R. Wilkinson, Rugby, England, assignor to General Electric Company, a corporation of New York
Application November 4, 1939, Serial No. 302,903
In Great Britain January 16, 1939
6 Claims. (Cl. 123—148)



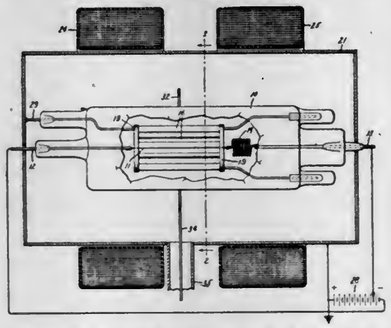
1. An ignition system for an internal combustion engine including a spark plug and a high tension circuit connected to said spark plug and having a resistor with a non-linear resistance-ampere characteristic therein.

2,247,076
TUNING INSTRUMENT
Ralph G. Arey, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application August 25, 1939, Serial No. 291,878
8 Claims. (Cl. 116—114)



1. An instrument comprising in combination, a source of light, a movable light-transmitting member carrying a diagonal opaque marking and a cylindrical lens, said member being interposed between said light source and said lens, the cylindrical axis of the lens being transverse to the line of sight through the light source, light-transmitting member and lens, and transverse to the direction of motion of the said light-transmitting member, whereby the lens produces an image of the mark which appears to travel in a direction transverse to the actual direction of motion of the light transmitting member.

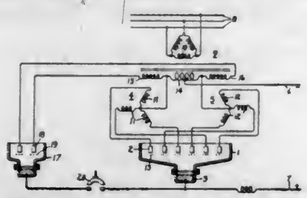
2,247,077
HIGH FREQUENCY ELECTRONIC APPARATUS
John P. Blewett, Scotia, and Simon Ramo, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application July 27, 1940, Serial No. 348,006
10 Claims. (Cl. 250—27.5)



1. Electronic apparatus comprising the combination of a hollow cylindrical anode structure constituted of at least six axially extending conductive elements which are circumferentially

spaced to provide gaps between them, the spacing between adjacent elements being at least as great as the thickness of the elements, means for conductively interconnecting the various elements to assure the functioning of adjacent elements as components of a standing wave system, means for providing electrons within the anode structure to produce a space charge therein, and means for producing a magnetic field axially of the structure to cause rotation of the said space charge and to facilitate production therein of circumferentially propagated waves of a higher order than unity.

2,247,078
ELECTRIC VALVE TRANSLATING APPARATUS
John W. Boag and John C. Read, Rugby, England, assignors to General Electric Company, a corporation of New York
Application February 5, 1940, Serial No. 317,450
In Great Britain February 9, 1939
11 Claims. (Cl. 175—363)



1. In combination, an alternating current circuit, a direct current circuit, electric translating apparatus connected between said circuits and comprising a plurality of electric discharge paths and n groups of electrically displaced phase windings, each group comprising p phases and each having an electrical neutral connection, an interphase transformer connected between the neutral connections of said groups and having auxiliary windings, the turn ratio of said interphase transformer being:

$$\frac{x}{y}=\frac{1}{\left[\dfrac{n\sin\dfrac{(n-1)\pi}{np}}{\sin\dfrac{\pi}{p}}-n+1\right]}-1$$

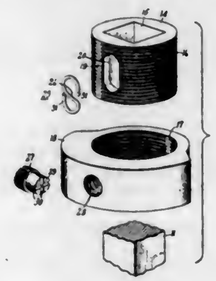
where x represents the number of turns of the auxiliary windings and y represents the number of turns of the main portion of the interphase transformer winding, and auxiliary rectifying devices connected to said auxiliary windings and connected to operate in parallel with said first mentioned electric discharge paths.

2,247,079
VARIABLE RATIO TRANSFORMER
Karl Bölte, Berlin-Karlshorst, Germany, assignor to General Electric Company, a corporation of New York
Application July 10, 1939, Serial No. 283,696
In Germany July 14, 1938
1 Claim. (Cl. 171—119)



A polyphase transformer including, in a combination, a plurality of equal windings each having a terminal which is normally connected to a different phase conductor of a polyphase circuit, separate ratio adjusting switches associated respectively with each of said windings for selectively making connection to correspondingly located points on their associated windings, one set of said points comprising the terminals of said windings which are normally connected to said circuit, another of said sets of points comprising the other terminals of said windings, an intermediate fixed point on each of said windings, said fixed points being correspondingly located thereon, and a permanent connection between each fixed point and the ratio adjuster for the electrically succeeding winding as determined by a given order of phase rotation, said ratio adjusters being operative to change connections from one set of corresponding points to another such set in the manner of conventional polyphase transformer ratio adjusters.

2,247,080
SWITCH OPERATING MECHANISM
Walter W. Brown, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application October 31, 1940, Serial No. 363,703
12 Claims. (Cl. 74—568)



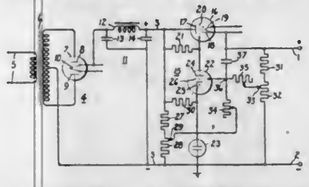
1. In a switch operating mechanism, a plurality of operating members, a cam shaft, a cam non-rotatably mounted upon said shaft engaging one of said members, a bushing mounted on said shaft in fixed angular relation thereto, said bushing having a threaded cylindrical external surface, an internally threaded operating cam mounted on said bushing and engaging one of said members, and means for locking said operating cam to said bushing in any one of a plurality of spaced angular positions.

2,247,081
INKING ROLLER FOR RECORDERS
William Fears, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 28, 1940, Serial No. 342,990
4 Claims. (Cl. 91—67.8)



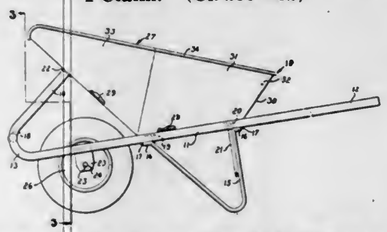
1. An inking roller comprising a cylindrical core part and cylindrical shell part, the latter being split longitudinally into two sections, a one-piece inking ribbon interposed between the core and shell parts and wrapped around the shell part and means for removably securing the shell sections together on said core part.

2,247,082
ELECTRONIC VOLTAGE REGULATOR
Paul C. Gardiner, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 29, 1939, Serial No. 264,758
10 Claims. (Cl. 171—312)



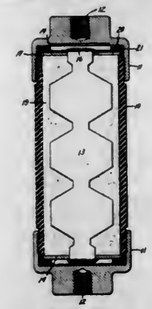
1. In combination, a supply circuit, a load circuit, electric translating apparatus connected between said circuits and comprising control means, an electronic discharge device for controlling the potential of said control means and including a grid, a voltage divider connected across said supply circuit and having an intermediate tap for supplying a component of voltage which varies as the voltage of said supply circuit, a second voltage divider connected across said load circuit and having an intermediate tap for supplying a component of voltage which varies as the voltage of said load circuit, and means comprising a resistance connected between said intermediate taps to control the relative magnitudes of said components which are impressed on said grid.

2,247,083
WHEELBARROW CHASSIS AND BODY CONSTRUCTION
Leslie H. Garlinghouse, Los Angeles, Calif.
Application May 13, 1940, Serial No. 334,825
1 Claim. (Cl. 280—52)



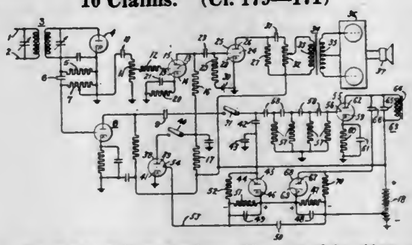
In a wheelbarrow, a chassis including a pair of hollow, elongated, side members each having a curved nose portion at the front thereof and having a grip portion at the rear and an upwardly directed, rearwardly extending, portion on each of said nose portions, the axis of each side member being in a single plane, a nose cross member connected to the ends of said nose portions and connecting said nose portions, said side members converging forwardly, a front cross member and a rear cross member connecting said side members, each of said front and rear cross members comprising an angle member having one leg arranged perpendicular to the axes of the side members and having the other leg parallel to the plane intersecting the axes of said side members, the other leg having its top surface flush with the top of the side members, a supporting leg mounted on each of said side members, a wheel mounted on said side members, a tray having a planar bottom engaging the top of said side members and the top of said front and rear cross members, said tray including a planar inclined front portion engaging said nose cross member, said tray front portion projecting beyond said wheel, said tray being disposed on said chassis so that with a struck load in the tray, when the wheelbarrow is swung so that the nose portions strike the ground, the center of gravity is in the vertical plane which extends transverse of the tray and passes through the wheel axle and when the wheelbarrow is in wheeling position the center of gravity is in the rear of the vertical plane which extends transverse of the tray and passes through the wheel axle.

2,247,084
SEALING CLOSURE FOR FUSES OR THE LIKE
Robert W. Goff, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 2, 1938, Serial No. 243,609
5 Claims. (Cl. 200—131)



1. In a fuse or like electric device having a housing structure including a tubular casing with an open end and a closure cap secured on said end of the casing; sealing means including a gasket of deformable material and a retaining ring therefor interposed between said cap and a portion of said casing and maintained under compression by said cap to seal said end of the casing, said ring having a generally U-shaped cross-section providing a channel in which the gasket is seated, which said channel opens in a direction substantially normal to the axis of said ring so that said gasket under compression expands in the aforesaid direction into sealing engagement with a surface of said structure extending in opposed relation to said channel.

2,247,085
AMPLIFIER
Stanford Goldman, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application February 7, 1939, Serial No. 255,092
10 Claims. (Cl. 179—171)



1. In a signaling system, the combination of a source of oscillations having relatively low signal frequencies mixed with undesirable relatively

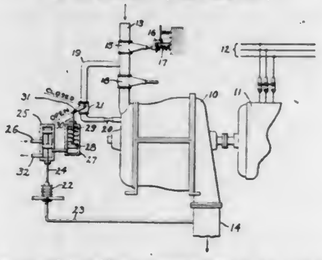
high noise frequencies, means for amplifying said signal frequencies and therewith said noise frequencies, and means responsive to the occurrence of a preponderance of said high noise frequencies over said low signal frequencies for reducing the output of said last named means at all frequencies.

2,247,086

ELASTIC FLUID TURBINE ARRANGEMENT

Lester E. Grube, East Lynn, Mass., assignor to General Electric Company, a corporation of New York

Application October 22, 1938, Serial No. 236,534
3 Claims. (Cl. 253—1)



1. The combination comprising an elastic fluid non-condensing turbine, an elastic fluid admission valve for said turbine, conduit means including a by-pass valve for supplying elastic fluid to the inlet of said turbine independently of said admission valve, and means including a pressure governor for automatically controlling the bypass valve and arranged to hold the bypass valve open during idling operation of the turbine and normal back pressure condition and to move the bypass valve towards closing position in response to a predetermined drop in turbine discharge pressure to prevent overspeeding of the turbine during idling operation.

2,247,087

PROCESS FOR THE PRODUCTION OF HYDROCARBONS

Wilhelm Herbert, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York

No Drawing. Application December 13, 1937, Serial No. 179,611. In Germany November 30, 1936
7 Claims. (Cl. 260—449)

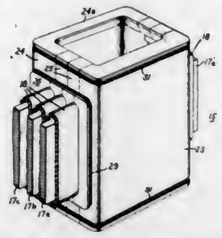
1. In a process for obtaining hydrocarbons containing more than one carbon atom by the catalytic conversion of gas mixtures containing carbon monoxide and hydrogen in the presence of catalysts consisting of hydrogenating metals selected from the eighth group of the periodic system, difficultly reducible metal compounds and a preponderance of carrier substances at an elevated temperature below that at which methane would noramlly be formed as the chief reaction product with the use of the same gases and the same catalysts; the steps comprising, in combination, applying super-atmospheric pressure during said conversion, indirectly cooling the catalysts during the conversion, passing a solvent over the catalysts during the conversion which is adapted to free said catalysts from the paraffin formed which is solid at room temperature to maintain the enrichment of the catalysts with such paraffin below 100% of the weight of such catalysts when free from such paraffin, and recycling at least a portion of the end gas of such synthesis.

2,247,088

INSULATED ELECTRICAL CONNECTION

Charles H. Hill, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York

Application March 29, 1940, Serial No. 326,689
10 Claims. (Cl. 174—88)



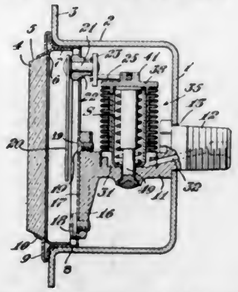
1. In an insulated joint for bus bars of the type including one or more parallel conductors, the combination comprising a pair of cooperating insulating cover members and a plurality of insulating spacer members arranged to be fitted around said joint so as to form an insulated enclosure with openings for accommodating a plurality of parallel conductors, said pair of cover members being so constructed and arranged as to form without said spacer members an insulated enclosure with openings for accommodating a single conductor.

2,247,089

BELLOWS-TYPE GAUGE

Frank H. Hopkins, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey

Application December 20, 1939, Serial No. 310,211
11 Claims. (Cl. 73—110)



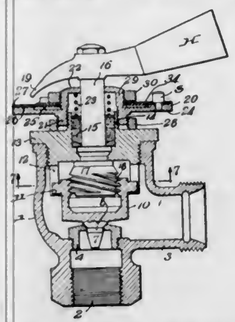
7. An instrument of the class described including a movable element, a support, and a bellows having one end fixed to the support, the opposite end of the bellows being free to move and being provided with an end closure, and means for transmitting motion from said end closure to the movable elevent, a rigid guide post within and coaxial with the bellows, one end of the post being fixed to the support, the free end portion of the post being of larger diameter than that portion which is fixed to the bracket, the post having a stop shoulder at the junction of its larger and smaller portions, the free end of the post having a head, a sleeve coaxial with the post, one end of the sleeve being secured to the movable end closure of the bellows, the sleeve being of such internal diameter as to receive the head of the post with a sliding fit, and the opposite end of the sleeve having an axial aperture which receives the smaller end portion of the post with a sliding fit.

2,247,090

VALVE

William T. Jones, Newton, and Dennis J. Connelly, Randolph, Mass., assignors to Barnes & Jones, Incorporated, Jamaica Plain, Mass., a corporation of Massachusetts

Application June 30, 1939, Serial No. 282,118
7 Claims. (Cl. 251—153)



1. An orifice-type valve designed for use with radiators of different sizes, said valve having a casing, a part provided with an orifice, and means operative to change the effective area of the orifice including a valve-actuator handle, an adjustable stop element cooperable with said handle and operative to limit movement of the latter in the area-increasing direction, said stop element being fixed to a rotary, normally stationary dial, said dial having a radial slot therethrough adjacent to the stop element, a graduated dial in the form of a partial annulus of smaller diameter than the stop-carrying dial and concentric with the latter, said graduated dial lying partly above and partly below the stop-carrying dial, the graduated dial having a series of graduations operative to indicate the proper location of the stop element to correspond to a radiator of a given size, that portion of the graduated dial having the graduations which correspond to larger size radiators than that selected being concealed beneath the stop-carrying dial.

2,247,091

STORAGE BATTERY

Lucien Jules Jumau, Paris, France

Application May 19, 1937, Serial No. 143,541
In Germany May 27, 1936
5 Claims. (Cl. 136—63)



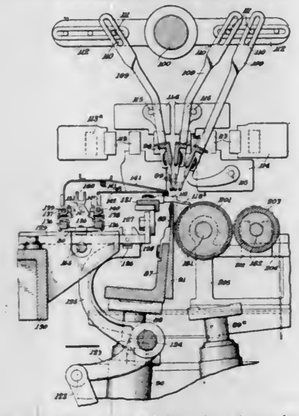
1. A combined electrode, diaphragm and separator, for storage batteries, comprising an electrode; a diaphragm adhering to said electrode and comprising unattackable, insulating mineral fibres agglomerated with porous rubber; and a separator adhering to said diaphragm and consisting of a porous rubber box of which the electrode forms the cover, the edges of said box adhering only to the edge portion of said electrode and said diaphragm being contained within said box, said electrode, diaphragm and separator forming a unitary structure.

2,247,092

KNITTING MACHINE

Ferdinand Klumpp, Weehawken Township, Hudson County, and Fritz Lambach, Belleville Township, Essex County, N. J., assignors, by mesne assignments, to Robert Reiner, Incorporated, Weehawken, N. J., a corporation of New Jersey

Application August 18, 1937, Serial No. 159,642
24 Claims. (Cl. 66—84)



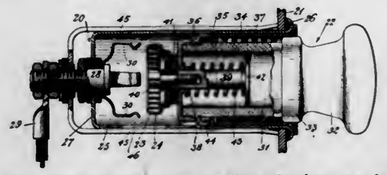
1. In a knitting machine for forming warp and filler threads into a fabric, the combination with knitting elements including a bank of needles, of a longitudinally reciprocable carriage for feeding filler thread substantially parallel to the needle bank, a flexible perforated band for moving said carriage, and filler sinkers movable transversely of the machine for receiving filler thread directly from said carriage, said sinkers being adapted to place said filler thread in position to be incorporated in the courses of the fabric during the knitting operation.

2,247,093

CIGAR LIGHTER

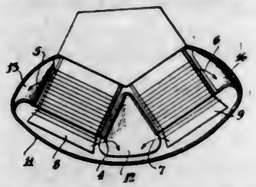
Herbert G. Lehmann, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut

Application August 11, 1936, Serial No. 95,373
29 Claims. (Cl. 219—32)



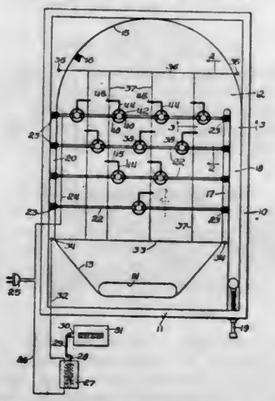
1. In a cigar lighter, a holding device; an igniting unit supported by and completely removable from the holding device for use; a heating element; means for yieldably mounting the heating element on the igniting unit for movement relative thereto whereby the element may be located close to or away from the end of the igniting unit; means for closing a circuit through the heating element, including means for moving the heating element relative to the igniting unit and away from the end of the igniting unit and means for holding the heating element in said position; and means for releasing the holding means upon the heating element attaining the desired heat whereby the heating element is moved to open the circuit.

2,247,094
AIR COOLING MEANS FOR INTERNAL COMBUSTION ENGINES
Kurt Löhner, Munich, Germany, assignor to the firm: Bayerische Motoren Werke Aktiengesellschaft, Munich, Germany
Application November 1, 1938, Serial No. 238,136
In Germany March 4, 1936
6 Claims. (Cl. 123—171)



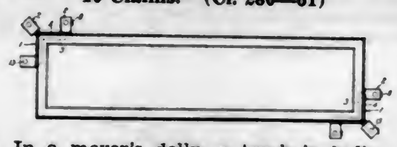
5. In an internal combustion engine having a plurality of rows of multiple cylinders spaced apart from one another, a partition mounted between adjacent cylinder rows, each partition having its longitudinal edges connected to the cylinders of its respectively adjacent rows substantially at the point of juncture between the head and foot of each cylinder while at the same time said partitions extend alternately in an oblique direction from the lower end of the cylinders at one end of the rows to the upper end of said cylinders at the other end of said rows, whereby the space between adjacent cylinder rows is divided vertically into head and foot cooling spaces and longitudinally into cooling channels of decreasing size and heated air channels of increasing size.

2,247,095
BALL ROLLING GAME
Bon G. MacDougall, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application November 21, 1938, Serial No. 241,555
2 Claims. (Cl. 273—41)



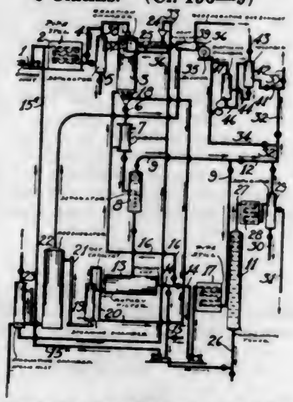
1. In a ball rolling game, a substantially horizontal table over which a ball is rollable, parallel spaced stationary cross shafts including means to support same over the table, parallel spaced overhead wires including means to support same over the table at right angles to the shafts, pins hinged respectively on the shafts, said shafts and wires comprising a normally open electrical circuit, and each pin having a contact member to hit an associated wire when a ball rolling on the table engages and swings a pin to close the said electric circuit.

2,247,096
MOVER'S DOLLY
Nelson H. Maguire, Hartford, Conn.
Application April 7, 1939, Serial No. 266,597
10 Claims. (Cl. 280—61)



1. In a mover's dolly, a truck including side and apex wheel supports disposed to include the limits of a right angled triangle having its apex extending to adjacent said apex support, wheels on said supports, and means connecting said supports forming a load supporting platform therebetween and disposed below the tops of said wheels and said platform being laterally unobstructed to enable a load to be inserted laterally between said side wheel supports and having the unobstructed portion included within said triangle and of sufficient width to permit the apex of a right angled corner of an article comprising the load to be disposed adjacent the apex of said triangle.

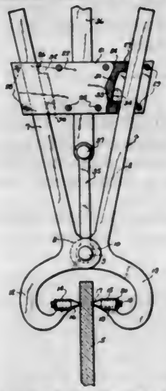
2,247,097
CATALYTIC CRACKING OF HYDROCARBON OIL
Nicholas Menshih, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 18, 1938, Serial No. 208,533
6 Claims. (Cl. 196—9)



2. A method of catalytically cracking hydrocarbon oils which comprises vaporizing the oil to be cracked, dispersing a pulverized siliceous catalyst in a normally gaseous stream thereafter intimately contacting the oil vapors to be cracked with the dispersion of catalyst and gas to obtain intimate admixture of catalyst and oil vapor, maintaining the admixture at cracking temperature for a period adequate to effect the desired cracking of said oil vapors, thereafter separating the catalyst from the cracked products.

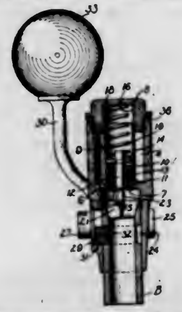
2,247,098
TONG
John P. Pearse, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 6, 1939, Serial No. 266,388
4 Claims. (Cl. 294—115)

1. A tong for supporting a glass sheet or the like in a vertical position, comprising a pair of upstanding complemental tong members pivotally connected together intermediate their ends and formed with oppositely disposed jaw portions at the lower ends thereof and upwardly diverging lever arms at their upper ends, sheet gripping elements carried by said jaw portions and adapted to engage opposite faces of the sheet, wedging means associated with said lever arms including a block positioned therebetween and provided



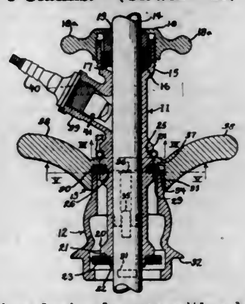
at its opposite ends with recesses, and wedge elements loosely received within said recesses and engaging adjacent edges of said lever arms, said wedging means being movable toward said jaw portions to urge the said lever arms away from one another and the said sheet gripping elements toward one another into sheet engagement, the inner surfaces of said wedge elements facing the bottoms of said recesses being so shaped as to cause rocking of the said wedge elements to conform to the angle assumed by the said lever arms.

2,247,099
FAUCET
Frank E. Rice, Detroit, Mich.
Application June 16, 1939, Serial No. 279,464
2 Claims. (Cl. 251—8)



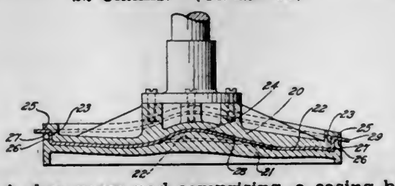
1. A faucet comprising a body having angularly arranged parts forming a passageway for fluid flow, one of said parts being bored to provide two axially arranged chambers open at their outer ends and separated by an internal ring constituting a valve seat, a cap closing the outer end of one of said chambers, said cap having an axial bore inwardly of its inner surface, a valve structure working within said one chamber having a cylindrical hollow stem guided in said cap bore and carrying a valve member within its end adjacent the seat disposed to engage said seat, a pin extending axially through said valve member and into said stem, a crosspin holding said pin in said stem, the outer end of said first pin having a head against said valve member to secure said member in place, a tubular nozzle member endwise shiftably arranged within the other of said chambers and having an end extending outwardly of said other chamber, a lever pivoted to said one part and operative to move said nozzle member towards said valve seat, and said nozzle member having a part engageable with said head of said first pin to unseat said valve when said nozzle member is so moved, the other of said body parts being bored for flow communication with said one chamber of said one part.

2,247,100
TAP
Frank E. Rice, Detroit, Mich.
Application May 31, 1940, Serial No. 338,152
5 Claims. (Cl. 285—40)



1. A tapping device for use with a barrel having a bush, said device comprising a sleeve having means at one end for secured connection with the bush, an elongated body slidably engaging said sleeve and having means at one end for sealing engagement with the bush, a coupling ring slidable on said body and turnable in engagement with said sleeve to clamp said body to the bush, said ring being arranged slidable along said body for removal therefrom, and means for securing said ring in assembled relation to said body, said means comprising removable stop means on said body and interposed between said ring and the other end of said sleeve and arranged to abut the other end of said sleeve when said device is in clamping relation on the bush.

2,247,101
SHOE PRESS AND SHOE PRESS PAD
John Frederick Smith, Quincy, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application April 10, 1939, Serial No. 266,987
22 Claims. (Cl. 12—38)



1. A shoe press pad comprising, a casing having an upper section in the form of a unitary sheet of sufficient size to include an upper work engaging diaphragm and depending integral and continuous sidewalls extending entirely around the edges of said diaphragm, said casing in its initially manufactured condition having its side-

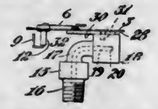
walls occupying well defined planes depending angularly from said diaphragm and meeting each other and said diaphragm along continuous integral corners, a separate bottom section of less area than said upper section and approximately commensurate in size with said diaphragm, a row of stitching joining said bottom section to the lower edges of said sidewalls, and a pressure fluid containing bag within said casing.

2,247,102

PRESSURE RESPONSIVE GAUGE

Clifford N. Sugden and Samuel Kahn, Bridgeport, Conn., assignors to Manning, Maxwell & Moore, Incorporated, New York, N. Y., a corporation of New Jersey

Application November 28, 1939, Serial No. 306,474
16 Claims. (Cl. 73—109)



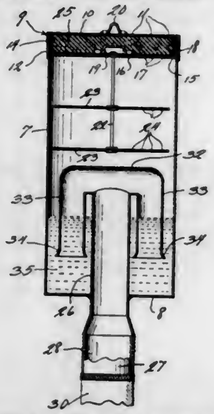
5. An instrument of the kind which includes a pressure-responsive element having a movable part which varies its position in response to pressure fluctuations, an index device comprising a pointer, a dial for cooperation with the pointer, and means for transmitting movement from said movable part of the pressure-responsive element to the index device, characterized in having pivot means for the dial located substantially centrally of the gauge case, means for securing the dial in selected position of rotary adjustment about said pivot as a center, and bearing means for the index device mounted on the dial at a point eccentric to said pivot.

2,247,103

DUST RECEPTACLE FOR SUCTION CLEANERS

James L. Summerson, Emporium, Pa.

Application March 7, 1940, Serial No. 322,831
2 Claims. (Cl. 183—15)



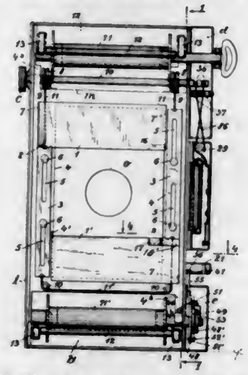
2. A dust receiver of the character stated, comprising a vertically disposed cylindrical receptacle having an open top, an air strainer unit closing said open top, a pipe extending upwardly through the lower part of the receptacle, the receptacle being designed to contain a fluid and said pipe having its upper end disposed in the receptacle above the level of the fluid therein, means at the lower end of the pipe facilitating the attachment of an air carrying hose thereto, a tubular transverse head upon the upper end of the pipe within the receptacle and communicating with the pipe, tubes coupled with said head and leading downwardly therefrom and having their lower ends disposed below the level of the fluid for the discharge of air thereinto, said strainer unit consisting of a shallow receptacle having an apertured bottom, a body of sponge rubber filling the shallow receptacle, and an apertured cover overlying the body of sponge rubber and detachably connected with the first-mentioned receptacle.

2,247,104

PHOTOGRAPHIC ROLL FILM CAMERA

Peter Takács, Budapest, Hungary, assignor to Voigtlander & Sohn Aktiengesellschaft, Brunswick, Germany, a joint-stock company of Germany

Application August 20, 1938, Serial No. 225,895
In Hungary February 24, 1937



1. In a roll film camera, comprising an object lens, a casing formed with an exposing aperture, and film feeding means, the invention herein described which consists of screens movable in a direction parallel to the movement of the film across said aperture for varying the operative size thereof, the screen located at the leading end of the film being fed being provided at the end bounding the exposing aperture and at the rear thereof with a hand substantially corresponding in position to the bounding edge of the screen, a camera casing having its rear wall formed with an aperture through which said hand is visible, and marking means connected with said screen located at the trailing end of the film and nearly corresponding in position to the edge of said screen bounding the exposing aperture.

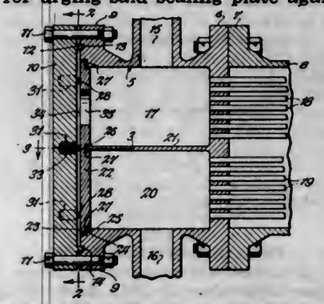
2,247,105

CLOSURE FOR PRESSURE VESSELS

Townsend Tinker, Boston, N. Y., assignor to Ross Heater & Manufacturing Co. Inc., Buffalo, N. Y., a corporation of New York

Application May 11, 1939, Serial No. 273,048
3 Claims. (Cl. 220—3)

1. A pressure vessel having a head formed with a chamber and an opening which communicates with said chamber, said head having an outer seat and an inner seat, a cover, means for securing said cover against said outer seat to seal said opening, a partition for separating said chamber into high and low pressure compartments, a sealing plate for preventing leakage between said compartments, said sealing plate being separated from said cover to provide a space and being formed with an opening for connecting said space with said high pressure compartment, resilient means for urging said sealing plate against said



inner seat and partition, means for initially compressing said resilient means and means whereby when said cover is secured in place said resilient means is further compressed.

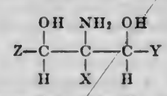
2,247,106

FATTY ACID SALTS OF POLYHYDROXY AMINES

Byron M. Vanderbilt, Terre Haute, Ind., assignor to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana

No Drawing. Application August 13, 1937, Serial No. 158,954
6 Claims. (Cl. 260—404)

1. A higher fatty acid salt of an aminohydroxy compound of the following general structural formula:



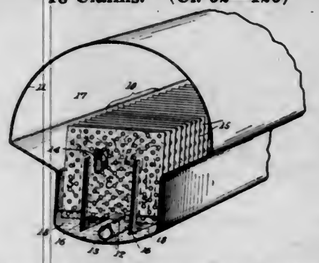
wherein X represents a member of the class consisting of hydrogen, methylol and alkyl groups, Y and Z represent members of the class consisting of hydrogen and alkyl groups, and wherein at least one of the constituents, X and Z, represents hydrogen.

2,247,107

REFRIGERANT EVAPORATOR

Robert W. Waterfill, Montclair, N. J., assignor to Buensod-Stacey Air Conditioning, Incorporated, New York, N. Y., a corporation of Delaware

Application September 30, 1938, Serial No. 232,581
18 Claims. (Cl. 62—126)



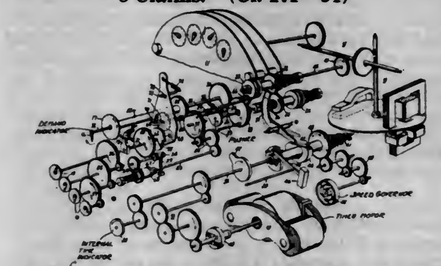
2. A shell and tube refrigerant evaporator of the type wherein the tube bank is not submerged in liquid refrigerant, such evaporator comprising a shell adapted to serve as a path for a refrigerating fluid, a bank of tubes extending through the shell and serving to conduct a fluid to be cooled, means defining a plurality of channels extending crosswise of and vertically within the bank of tubes and including the outer surfaces of the tubes, each such channel having its lower end open adjacent the base of the shell and its upper end open adjacent the top of the tube bank, and a conduit for discharging liquid refrigerant into the base of said shell whereby flash gas resulting from the evaporation of some of the refrigerant may be confined and caused to lift remaining liquid refrigerant through said channels and over the outer surfaces of the tubes of the bank.

2,247,108

DEMAND METER

Harry M. Witherow, Clifton, Mass., assignor to General Electric Company, a corporation of New York

Application February 15, 1939, Serial No. 256,528
8 Claims. (Cl. 171—34)



1. In a maximum demand meter, a pusher member, a maximum demand measuring member, and a zero stop member all rotatively mounted on the same axis of rotation, said last two members having parts in the path of rotation of the pusher member, means for rotatively advancing the pusher member away from the zero stop towards the maximum demand measuring member in accordance with a measurement, time interval mechanism for returning the pusher member against the zero stop at equal time intervals, the arrangement being such that the maximum demand measuring member is advanced by the pusher member in accordance with the maximum advance of the pusher member over a large number of time intervals, means for establishing a zero measurement condition of the maximum demand measuring means comprising means for, first, locking the maximum demand measuring member in its position of maximum advance, second, rotating the zero stop with the pusher member intervening up against the locked maximum demand measuring member to establish a new zero position of the zero stop member, and thereafter unlocking said maximum demand measuring member, and a dial register operated with the advance of said zero stop such that the difference of its readings before and after such advance of the zero stop member represents the extent of advance of said zero stop in terms of the maximum demand.

2,247,109

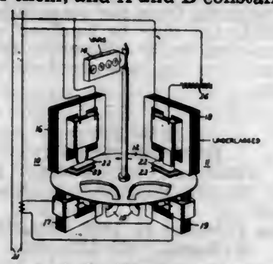
VAR METER

Harry M. Witherow, Clifton, Mass., assignor to General Electric Company, a corporation of New York

Application March 2, 1940, Serial No. 321,930
3 Claims. (Cl. 171—34)

1. Apparatus for measuring reactive component hours of single phase circuits comprising a pair of induction meter driving elements, each having voltage and current electromagnets, one

of said elements being designed to produce a wattmeter torque proportional to EI cos ϕ and the other element being underlagged to produce a torque proportional to *AEI* cos ϕ—*BEI* sin ϕ, where E and I represent the voltage and current of the circuit to be metered and ϕ the phase angle between them, and A and B constants, means



including rotary induction armature means differentially responsive to the driving effort of said driving elements, the torques of said two driving elements being so related that the torque of the wattmeter element is equal to the AEI cos ϕ torque component of the other element whereby the resultant meter operation is proportional to EI sin ϕ.

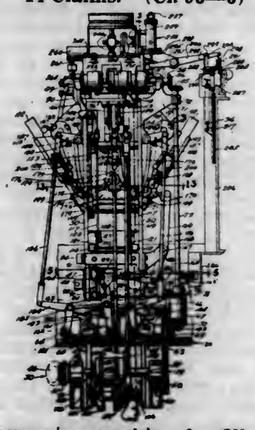
2,247,110

GLUE APPLICATOR

Helmer Anderson, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware

Application January 23, 1939, Serial No. 252,506

14 Claims. (Cl. 93—6)



1. In a gumming machine for filled bags with open mouths, means to pinch the upper part of the bag above its contents to form a flat mouth and closed neck, means to pull the sides of the bag apart above said neck to open the mouth, gumming means for applying adhesive to the inner faces of the opened mouth, other gumming means for applying adhesive to the exterior of the open mouth within the indented side folds thereof, and operating means for operating the foregoing means in timed relation.

2,247,111

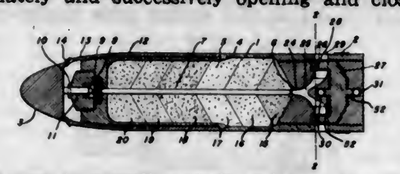
ACOUSTICAL PROJECTILE

John C. Batchelor, Hastings on Hudson, and Frederick A. Lindley, Jr., Lynbrook, N. Y.; said Lindley assignor to said Batchelor

Application July 10, 1937, Serial No. 152,936

5 Claims. (Cl. 102—26)

1. A projectile comprising a housing provided with at least one port wherethrough gas may emerge therefrom, a source of gas under pressure within said housing, and control means for alternately and successively opening and closing



said port to permit periodic release of said gas from said housing to produce periodic acoustical waves adjacent said projectile.

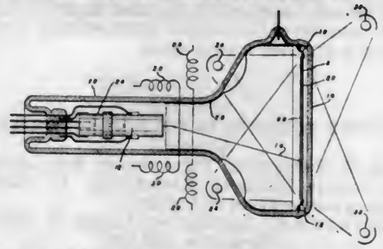
2,247,112

IMAGE REPRODUCER

John C. Batchelor, Hastings on Hudson, N. Y.

Application September 10, 1937, Serial No. 163,161

5 Claims. (Cl. 250—27.5)



1. A television image reproducer comprising a luminescent screen capable of transforming relatively invisible energy into visible radiation and characterized by the fact that the efficiency of said transformation is decreased from a finite value to substantially zero as the temperature of said screen is increased between a predetermined lower limit and a predetermined upper limit, means for uniformly flooding said screen with such invisible energy to be so transformed, and means for selectively decreasing said efficiency of transformation of portions of said screen to values below said finite value by increasing the temperature of said portions of said screen.

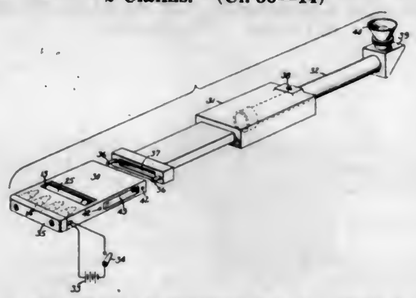
2,247,113

OPTICAL ALIGNMENT DEVICE

Frank Benford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 19, 1939, Serial No. 310,023

2 Claims. (Cl. 88—14)



1. An optical alignment device comprising a casing having elongated aligned windows in opposite walls thereof, a pair of elongated mirrors located between said windows, one mirror serving to reflect light rays entering normal to one window through a 90 degree angle and the other mirror serving to reflect light rays entering normal to the other window through a 90 degree angle such that the reflected light rays from both windows are parallel and are projected in the same direction, the adjacent reflecting surfaces of said mirrors meeting in a line which thus divides the light ray images reflected by the two mirrors, and a telescope device supported with said casing through which both light ray images may be simultaneously viewed, said telescope being pivoted to swing in an arc in order that it may be directed to observe the two images along any portion of the length of said elongated mirrors.

2,247,114

CUSHION INSOLE

Wilfred J. Boos, St. Louis, Mo., assignor to Walk-Easy Foot Rest Manufacturing Company, St. Louis, Mo., a corporation of Missouri

Application October 24, 1938, Serial No. 236,653

5 Claims. (Cl. 36—3)



1. A cushion insole for shoes comprising, an upper surface member having perforations therein, a breathable lower surface member, compressible means for maintaining a spaced relation between said members, and means connecting the margins of said members together to form an enclosed void space therebetween with an exteriorly accessible pocket therebetween for the reception of a lift.

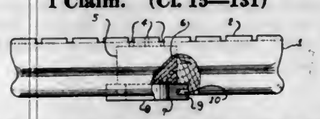
2,247,115

GLASS CLEANER

Cecil B. Davis, Kingman, Ariz.

Application November 14, 1938, Serial No. 240,221

1 Claim. (Cl. 15—131)



In a device of the kind described, a block formed with a cleaning surface at one side and with a sponge recess in the opposite side opening outwardly through an annularly constricted mouth, there being ducts connecting said sponge recess with said cleaning surface, and an elastic sponge retaining ring in the mouth of the sponge recess, the periphery of said ring being formed for releasably gripping the constricted margins of the mouth of the sponge recess, whereby a wet sponge may be seated in the recess subject to finger pressure for squeezing water through said ducts to the cleaning surface of the block.

2,247,116

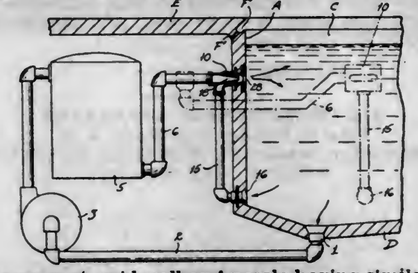
INLET FITTING FOR SWIMMING POOLS

Louis J. Day, Floral Park, N. Y., assignor to Josam Manufacturing Company, Cleveland, Ohio, a corporation of Delaware

Original application March 13, 1937, Serial No. 130,781, now Patent No. 2,218,507, dated October 22, 1940. Divided and this application February 27, 1939, Serial No. 258,687

7 Claims. (Cl. 137—21)

1. An injector fitting for swimming tanks, comprising a hollow body having a supply inlet and nozzle, a wall surrounding the nozzle and spaced therefrom to provide a suction space, said wall being continued beyond the nozzle to form a discharge port, said wall and nozzle having similarly flattened portions, and means movably mounted in the fitting for travel across the major axes of said flattened portions to open and at least partially close the discharge port.



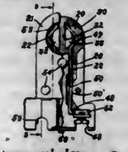
2,247,117

LAMP HOLDER

Frank C. De Reamer, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York

Application March 7, 1939, Serial No. 260,295

6 Claims. (Cl. 173—328)



1. A socket comprising a member provided with spaced channels, contact members mounted in said channels, abutment elements carried by said member and being spaced from each other to form a slot for receiving the contact pins of the lamp, said contact members being formed at one end with contact portions cooperating with said elements to grip lamp contact prongs, the other ends of said contact members being bent in the form of a U within said channel, terminal means mounted on the bent ends of said contact members and a cover plate mounted on said base enclosing said channels to hold said contact members in position, said cover plate being provided with recesses for receiving said terminal means.

2,247,118

APPARATUS FOR TEMPERING GLASS

John L. Drake, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application June 2, 1938, Serial No. 211,343

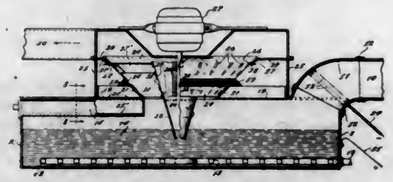
3 Claims. (Cl. 49—1)



3. In combination in apparatus for making bent tempered glass sheets including means for heating the glass sheet, bending means for receiving the heated sheet horizontally comprising a pair of pressure rolls between which the sheet passes and a plurality of bending rolls following

said pressure rolls and adapted to cooperate therewith to bend the sheet to the desired curvature as it moves forwardly thereover, the upper portions of said bending rolls being arranged to form a curvature corresponding to the curvature to which the sheet is to be bent, and means for cooling the bent sheet.

2,247,119
AIR CONDITIONING APPARATUS
John H. Fedeler, New York, N. Y.
Application October 27, 1938, Serial No. 237,172
9 Claims. (Cl. 261—91)



4. In an air conditioning apparatus, a reservoir for liquid, a blower disposed above the normal level of liquid in said reservoir and comprising two truncated hollow cones disposed with their small ends downward and both rotatable about a vertically extending axis, vanes extending between said cones, an inlet to discharge air into the space in the reservoir above said level, an outlet from said blower above said cones, and means to rotate said cones about said axis, said vanes having dust-catching pockets at their upper edges extending to said outer cone, said outer cone having holes therein communicating with said pockets.

2,247,120
CERAMIC BODY
James A. Fitzgerald, Detroit, Mich.
Application February 3, 1939, Serial No. 254,340
5 Claims. (Cl. 106—73)



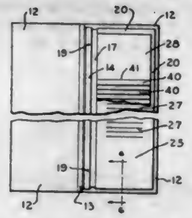
1. As an article of manufacture, a heat-hardened, homogeneously mixed, ceramic body comprising, a quantity of coal ash dust particles, a quantity of Cobrecite, and a quantity of binder consisting of an intermixture of clay dust and water.

2,247,121
VACUUM CLEANER
Stephen Foldes, Cleveland, Ohio, assignor to Electric Vacuum Cleaner Co., Inc., Cleveland, a corporation of New York
Application December 28, 1939, Serial No. 311,303
1 Claim. (Cl. 230—233)



In combination, a centrifugal fan impeller, a casing therefor providing an annular passage around the impeller to which air is discharged from the impeller with a swirling motion about the axis of the impeller, an end wall for the casing having axial discharge openings from said annular passage, a cap enclosing said end wall and having an outlet therein, and an annulus of corrugated material between said cap and said end wall having elongated tubular passages presented to said discharge openings transversely to the swirling air for conducting air to the outlet.

2,247,122
VISIBLE NAME LEDGER
Joseph E. France and Ray A. Hammer, Lamoni, Iowa
Application September 3, 1937, Serial No. 162,314
2 Claims. (Cl. 129—16)



1. The combination with a slotted sheet, of members detachably mounted on said sheet in overlapping relation, each of said members having a body portion and a tab portion connected therewith, said tab portion being elongated in the direction of length of the member on which the same is provided and said member being slit to form a pair of tongues extending lengthwise of said tab portion at opposite ends thereof, one of said slits being longer than the other thereof, whereby said tab is movable into and out of interlocking relation with a slot in said sheet by a longitudinal sliding movement thereof to engage one end of said tab in said slot, followed by a swinging of said card about said end of said tab portion to move the rest of said tab into said slot, and a final sliding movement of said card lengthwise of itself longitudinally in said slot.

2,247,123
ART OF RAYON MANUFACTURE
William H. Furness, Riverton, N. J., assignor to American Rayon Company, Inc., Riverton, N. J., a corporation of New Jersey
Application April 25, 1939, Serial No. 269,882
14 Claims. (Cl. 242—53)

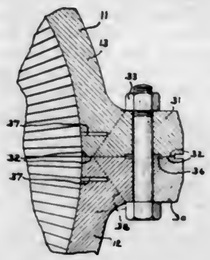


1. Apparatus for laying up thread in cakes comprising a rotating cage-like cylinder composed of two sets of longitudinally extending movable bars arranged in circumferentially spaced relation, and with the bars of one set interspersed with the bars of the other set, means for laying thread on said cylinder in cakes, means for imparting in and out movement to said two sets of bars independently of each other to alternately move them into and out of contact with the cakes of thread, to transfer the cakes of thread from one set of bars to the other and means for imparting back and forth movement to said two sets of bars independently of each other in directions longitudinally of said cylinder to advance each formed cake of thread along said cylinder in spaced apart relation.

2,247,124
CUPROAMMONIUM CELLULOSE SPINNING SOLUTION AND METHOD OF PREPARING THE SAME
William H. Furness, Riverton, N. J., assignor to American Rayon Company, Inc., Riverton, N. J., a corporation of New Jersey
No Drawing. Application December 24, 1937, Serial No. 181,720, which is a division of application Serial No. 90,920, July 16, 1936. Divided and this application November 24, 1939, Serial No. 305,928
4 Claims. (Cl. 106—40)

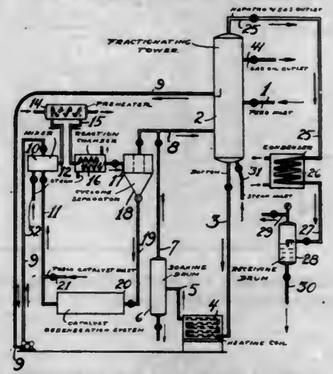
1. The process of preparing a cellulose solution for the spinning of rayon, which comprises preparing a solution from copper sulphate, water and ammonia and cooling it to substantially 4° C., preparing a caustic soda solution, cooling it to substantially 4° C., mixing the two solutions while in their cold state and lowering the temperature to 0° C. or below, the proportions of chemicals employed being copper sulphate 1 mol, ammonia from substantially 7.1 to substantially 7.8 mols, caustic soda 2 mols, and substantially 39.5 liters of water; and subjecting cellulose to the ultimate solution immediately upon its preparation and while it is in a state of temporary, unstable equilibrium and before the formation of appreciable visible copper hydroxide and of sodium sulphate.

2,247,125
CASING JOINT STRUCTURE
James R. Hall, Chester, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 16, 1938, Serial No. 225,088
3 Claims. (Cl. 253—39)



1. An elastic fluid turbine including a rotor, a casing enclosing said rotor and adapted to receive high temperature working fluid under pressure, said casing being generally cylindrical in transverse section and comprising a pair of parts connected by a joint lying approximately in a plane containing the cylindrical axis of the casing, said joint including contacting faces formed on said parts, flange portions integral with said parts and connecting means therefor, and means for securing and maintaining joint fluid-tightness including said parts formed with a relatively deep groove adjacent the joint and open to the casing interior throughout its length, whereby said parts may deflect or distort without opening said joint and said high temperature working fluid may penetrate toward the flanged joint to uniformly heat the structure thereof.

2,247,126
CLEAN CIRCUIT POWDERED CATALYST CRACKING
Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application November 13, 1939, Serial No. 304,020
3 Claims. (Cl. 196—52)

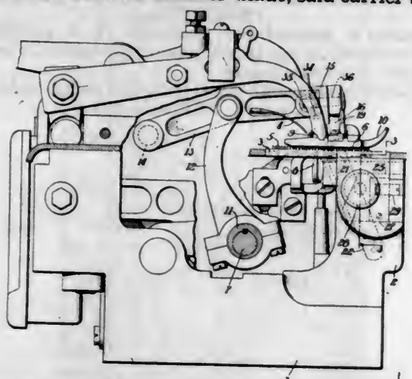


2. Method of treating a residual petroleum oil, which comprises originally heating the oil by contact with hot vapors in a fractionation zone whereby the said oil is at least partially vaporized, recovering a gas oil fraction from the fractionation zone, mixing a powdered catalyst with said gas oil, subjecting the gas oil, containing catalyst in vapor phase to cracking temperatures, thereafter separating the major portion of the catalyst from the reaction vapors by centrifugal action, conducting the vapors to a fractionation zone where they contact the original oil fed to the system and are scrubbed to remove substantially all of their catalyst content, recovering a liquid fraction containing said last-mentioned catalyst from the bottom of the fractionation zone, heating the liquid fraction to cracking temperatures, discharging the heated liquid containing catalyst into a reaction zone, permitting it to remain in said reaction zone for sufficient period of time to cause a substantial conversion of the said oil into fractions boiling within the gasoline range, recovering a vapor fraction from the last-named reaction zone, discharging the vapor fraction into the said fractionation zone where it contacts the original oil fed to the system and recovering cracked hydrocarbon vapors boiling within the gasoline range produced from the cracking of the gas oil and the treatment of the liquid fraction recovered from the said fractionation zone.

2,247,127
TRIMMING MECHANISM FOR SEWING MACHINES
Nicholaus Knaus, Newark, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application September 8, 1939, Serial No. 293,890
6 Claims. (Cl. 112—122)

1. In a trimmer-mechanism for sewing machines, a frame, a trimmer-lever, means to actuate said lever, a trimmer-blade shiftably carried by said trimmer-lever for adjustment transversely of the direction of cutting movement thereof, a ledger-blade, a head on which said ledger-blade is removably mounted, a carrier on which said head is pivotally mounted on an axis parallel to the cutting plane, and a spring to bias said head

in a direction to yieldingly maintain said ledger-blade against said trimmer-blade, said carrier be-



ing mounted in said frame for bodily adjustment transversely of the cutting plane.

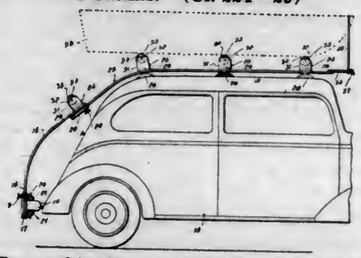
2,247,128

BOAT AND LUGGAGE CARRIER

Alvin M. Levey, Pine Bluff, Ark.

Application September 14, 1939, Serial No. 294,963

4 Claims. (Cl. 224—29)



1. In combination with a vehicle having a top, a track member exteriorly supported on said top, roller means on said track member at different distances above the upper surface thereof facilitating the loading of luggage, said track member being bendable to conform to the shape of said top, a frame at the rear of the vehicle extending upwardly and forwardly, clamp means between the track and frame, a roller carried by the frame at a lower level than the first mentioned rollers, said frame being generally of U-shape and located at the rear of the vehicle with its legs lowermost and at opposite sides of the vehicle.

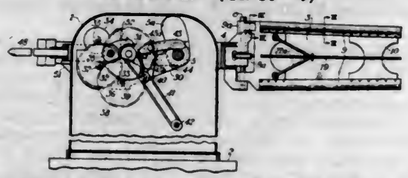
2,247,129

HIGHWAY CROSSING GATE

Edwin G. Little, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application October 5, 1938, Serial No. 233,436

14 Claims. (Cl. 39—7)



1. In combination, a crossing gate arm operable between a raised and a lowered position, a rotatable shaft operatively connected with said arm for operating the arm, a supporting housing in which said shaft is journaled, operating means for rotating said shaft comprising a frame member secured to said shaft and having a power element mounted thereon, a crank arm operatively connected with said power element, and means for pivotally connecting said crank arm with said housing for effecting the rotation of said shaft to impart modified harmonic motion to said gate arm.

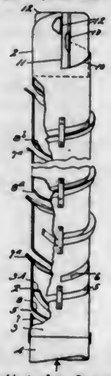
2,247,130

NOISE AND WAVE MUFFLING CONDUIT FOR FLUID UNDER PRESSURE

Howard McCurdy, Walnut Park, Calif.

Application July 9, 1938, Serial No. 218,376

20 Claims. (Cl. 181—46)



1. A muffling conduit tube for fluid under pressure having a peripheral opening with an edge lying oblique to the bore axis and over which the passing fluid may processionally flow laterally as to the axis, and an expansion chamber member concentric to the tube and receiving the radially outflowing fluid and connected to the conduit to return the expanded fluid subsequent to the passage of the initial pressure of a fluid wave and the surface of the bore of the tube being substantially right line axially of the tube.

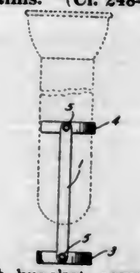
2,247,131

BRACKET FOR FLASHLIGHTS

Bernard F. Muldoon, Mountain View, N. J., assignor to Henry Hyman, Brooklyn, N. Y.

Application May 16, 1939, Serial No. 273,907

3 Claims. (Cl. 248—359)



3. A flashlight bracket comprising a pair of straps of equal lengths and a pair of open ring-shaped members pivoted at diametrically opposite points to the ends of said straps, the ends of at least one of said rings extending outwardly.

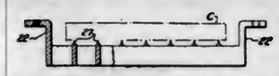
2,247,132

METHOD OF AND MEANS FOR CONTROLLING THE EFFECTIVE DEPTH OF IMMERSION BATHS

Stanislaus Przyborowski, Tonawanda, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.

Application February 25, 1939, Serial No. 258,537

2 Claims. (Cl. 113—111)



1. In the face dipping of radiator cores in baths of molten solder with absorption of solder by capillary action into the interstices of the core, the method of establishing and maintaining a controlled depth of dip for the cores which comprises positioning a level grid below the surface of the solder for reception and support of the cores, adding solder to a height greater than the supporting level of the grid thereby causing meniscuses to form between the solder and the grid, and contacting and merging the meniscuses before they obtain a maximum height of a bubble of the solder as measured by Quincke's law, thereby to spread the solder into a substantially continuous film over the grid surface.

2. Soldering equipment including a tank holding a body of molten solder, a supporting grid in the tank, and means for positioning the supporting portion of the grid in a horizontal plane below the solder surface, said supporting portion comprising a plurality of ribs having upper supporting surfaces each of a width such that, as solder is added to submerge said ribs, the meniscuses formed on opposite sides thereof may contact over said upper supporting surfaces and merge before there is a free flow of solder in either direction from either of said meniscuses.

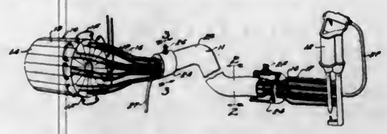
2,247,133

CURRENT SUPPLY MEANS

Mackworth G. Rees, Detroit, Mich.

Application August 24, 1936, Serial No. 97,571

5 Claims. (Cl. 171—119)



5. A cable for transmitting heavy current which includes a pair of leads comprising a plurality of flexible conductors disposed annularly about an axis, alternate conductors being of different leads, an outer flexible insulating sheath covering said conductors, and means providing a plurality of coolant passageways inwardly of said sheath and disposed annularly about said axis and arranged to conduct coolant through the cable in intimate heat conducting relation with the conductors.

2,247,134

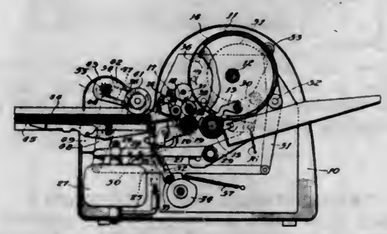
METHOD OF AND MEANS FOR FORWARDING SHEETS

Patrick Henry Roethe, Chicago, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia

Application October 18, 1939, Serial No. 299,927

8 Claims. (Cl. 271—53)

1. In a sheet forwarding means, the combination of a pair of cooperating rollers one above the other adapted by engagement with a copy sheet to move it forward, stop means carried by one of said rollers in fixed position with respect to the roller adapted by engagement with a sheet fed thereto to cause said sheet to be buckled to provide a resilient loop in the sheet with its leading



edge in rear of the zone of contact between said two rollers, means for guiding a sheet directly to said stop means, and means for rotating said rollers for carrying said stop means past the zone of contact of said rollers so as to permit the sheet to straighten out into position with its leading edge gripped by the rollers.

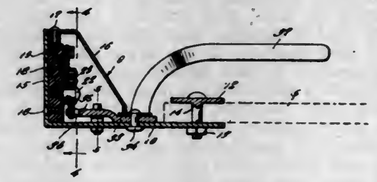
2,247,135

CONTROL SWITCH FOR VEHICLE DIRECTION SIGNALS

Joseph D. Romano and Joseph Rigoni, Marseilles, Ill.

Application July 21, 1938, Serial No. 220,578

3 Claims. (Cl. 200—59)



1. In a control switch for a vehicle direction signal, and in combination, an accelerator pedal, a bracket connected with the front end of the pedal and extending forwardly, a casing on the forward end of the bracket, a switch assembly in the casing and including a vertically arranged and pivoted switch arm, a lever pivoted in horizontal position to the bracket and having its forward end forked to engage the lower end of the arm, a pair of spaced arms connected with the rear end of the lever and extending to each side of the front end of the pedal for engagement by the foot of an operator resting on the pedal and means for yieldingly holding the lever in a central and neutral position.

2,247,136

ELECTRIC SWITCH

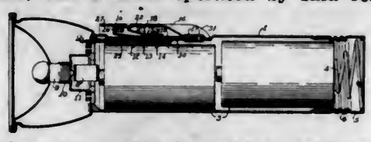
Harry Rothenberg, Norwood, N. J., and Leopold C. Grimsley, Jackson Heights, N. Y., assignors to Henry Hyman, Brooklyn, N. Y.

Application August 13, 1937, Serial No. 158,842

8 Claims. (Cl. 200—60)

1. A switch having a resilient member of conductive material rigidly fixed at one end and

adapted to be connected to one side of a circuit, a contact for said member fixed at one end and adapted to be connected to the other side of the circuit, and a latch operated by said resilient



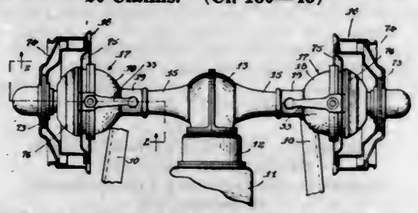
member for positively holding said resilient member in circuit-closing position after said resilient member has passed beyond its initial circuit-closing position.

2,247,137

FRONT WHEEL DRIVE ASSEMBLY

Richard A. Schultz, Roseville, Mich., assignor, by mesne assignments, to Friend Motor Company, St. Clair Shores, Mich., a corporation of Michigan

Application August 15, 1938, Serial No. 224,923
20 Claims. (Cl. 180—43)



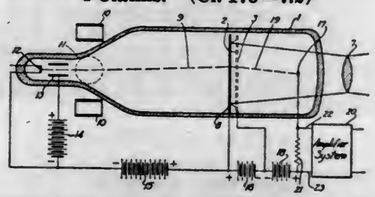
1. In a front wheel drive assembly constructed and arranged for operative assembly with a drive axle, an axle housing, a gear housing permanently secured to said axle housing, a drive assembly supported by said gear housing and including gearing and a spindle, said gearing including a driving gear secured to the drive axle, a driven gear supported by said spindle and drivingly connected with a wheel hub, and an idler gear intermediate and meshing with said driving and driven gears, means carried by said gear housing for adjustably positioning said idler gear relative to said driving and driven gears, said spindle, driven gear and idler gear being supported for removal as a unit independently of said driving gear and said idler gear adjustment, said driving gear removable as a unit with said drive axle.

2,247,138

SYSTEM FOR TELEVISION TRANSMISSION

Thomas W. Sukumlyn, Los Angeles, Calif.

Application October 1, 1938, Serial No. 232,755
4 Claims. (Cl. 178—7.2)



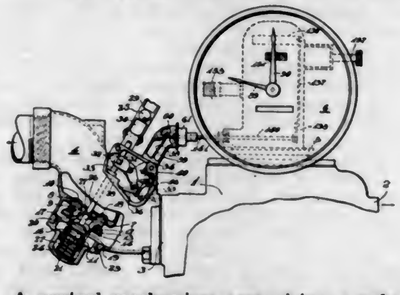
1. In a television transmission system, means forming a mosaic of photoelectrically active elements, a cathode ray scanning device, a secondary electron emitter interposed in the path between the mosaic and the cathode ray, an apertured plate supporting the mosaic, said secondary electron emitter having a reflecting surface opposed to the mosaic, means for casting an optical image on the said reflecting surface, and through the apertured plate, means whereby the potential difference between an elementary portion of the surface of the secondary emitter and the opposite elements of the mosaic is dependent upon the illumination on said elements, and an anode spaced from the mosaic and on that side of the mosaic opposite from the secondary emitter, for collecting the secondarily emitted electrons.

2,247,139

PREDETERMINING DISPENSER

Einar Thoresen and George J. Genung, Pittsburgh, Pa., assignors to Pittsburgh Equitable Meter Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application February 15, 1936, Serial No. 64,118
14 Claims. (Cl. 221—101)



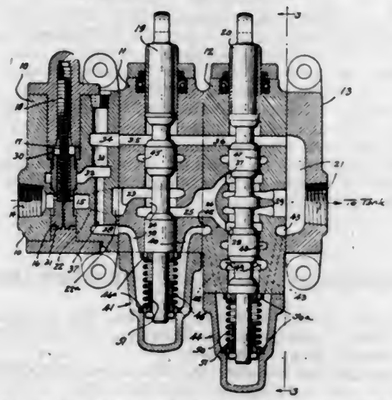
1. A control mechanism comprising a valve, a latch case, latch means in said case adapted to latch the said valve in open position, a trip mechanism including a non-rotatable universally tiltable plate, a predetermining register housing secured to said latch case, a register, and means connected to said register for operating said plate to trip said latch mechanism upon passage of a predetermined quantity of fluid through the valve to close said valve.

2,247,140

MULTIPLE VALVE UNIT

L Raymond Twyman, Detroit, Mich., assignor to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan

Application August 9, 1937, Serial No. 158,006
19 Claims. (Cl. 303—6)



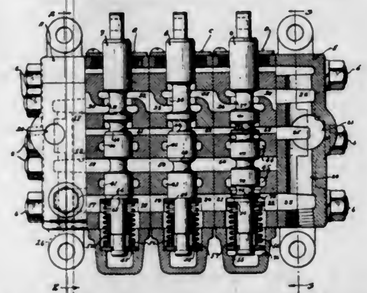
1. A control valve bank adapted to be used in road machinery or the like having a pressure source and supply tank and a plurality of selective single and/or double acting hydraulic motors, said valve bank comprising a series of interchangeable valve housings provided with transverse pressure and tank passageways, and one or more motor ports, said passageways being located such that the pressure and tank passageways of the respective housings will register when said housings are placed side by side in any sequence in a valve bank.

2,247,141

MULTIPLE VALVE BANK

L Raymond Twyman, Detroit, Mich., assignor to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan

Application April 15, 1938, Serial No. 202,294
16 Claims. (Cl. 303—6)



1. A multiple valve bank comprising a plurality of abutting valve housings each provided with a longitudinal valve recess for receiving a slidable valve member and having three spaced straight transverse passageways therethrough, and a fourth substantially transverse passageway through each of said valve housings made up of two smaller passageways on opposite sides of said housing connected by said valve recess, said transverse passageways being arranged to form continuous passageways through a plurality of abutting housings, each of said housings being also provided with cylinder ports communicating with said valve recess, a slidable valve member in each of the valve recesses, each member having restricted portions located substantially at each of said respective transverse passageways when said valve members are in neutral position, and an end plate at each end of said abutting valve housings, one plate connecting three of said continuous transverse passageways to a pressure opening at one end, and the other plate connecting three of said continuous passageways to a tank opening at the other end.

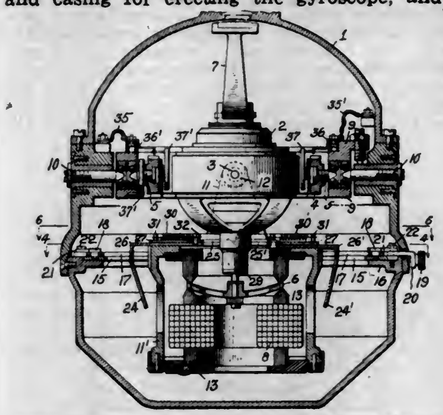
2,247,142

GYROSCOPE CAGING AND ERECTING MEANS

William Anscott, Woodhaven, N. Y., and Orland E. Esval, Allendale, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application November 30, 1937, Serial No. 177,178
Renewed May 23, 1940
11 Claims. (Cl. 74—5)

10. In a gyro-vertical, a gyro rotor bearing casing, a gimbal suspension universally supporting said casing, a pendulous member also universally supported adjacent said casing, means for creating an interaction between said pendulous member and casing upon relative tilt of said member and casing for erecting the gyroscope, and a



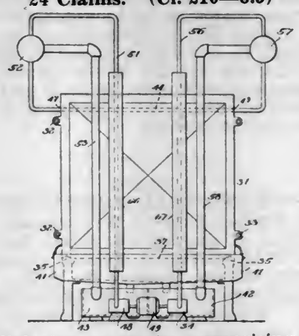
common means for caging both said casing and member.

2,247,143

DIALYSIS METHOD AND APPARATUS

Dana H. Bailey, Prescott, Wis., assignor to The Pfaudler Co., Rochester, N. Y., a corporation of New York

Application July 13, 1938, Serial No. 219,036
24 Claims. (Cl. 210—8.5)



1. A dialyzing apparatus comprising, in combination, a multiplicity of frames supported substantially vertically, membranes carried by said frames, spray means for distributing a substantially continuous, even film of solvent on one side of each of the membranes, spray means for distributing a substantially continuous, even film of solution on the other side of each of the membranes, means for maintaining the spray pressures of the liquids on opposite sides of the membranes substantially the same, and means adjacent the bottoms of the membranes for separately discharging the solution and solvent, said last mentioned means being of such discharge capacity that the spaces between the membranes will not be flooded.

2,247,144

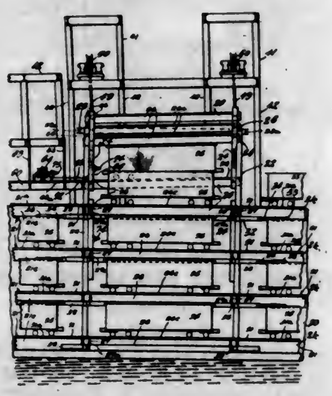
VESSEL LOADING AND UNLOADING MECHANISM

Delavan Munson Baldwin, Campbell, Va.

Continuation of application Serial No. 252,616, January 24, 1939. This application April 4, 1941, Serial No. 386,906
14 Claims. (Cl. 214—14)

2. In an arrangement for loading and unload-

ing vessels including a dock having a hoisting bridge, and a vessel berthed in the dock beneath the hoisting bridge, the vessel comprising a plurality of decks and a shaftway connecting the decks, the combination of elevator guides carried in the shaftway by the vessel; an elevator embodying a platform and running between the guides for delivering vehicles to and from the decks of the vessel; hoisting mechanism for the



elevator carried by the hoisting bridge over the vessel shaftway; and a landing platform supported from the dock and extending over the vessel to the elevator so located that the elevator platform can be brought to meet the edge of the landing platform for the direct transfer of vehicles between the landing platform and the elevator platform, while the elevator is suspended by its hoisting mechanism.

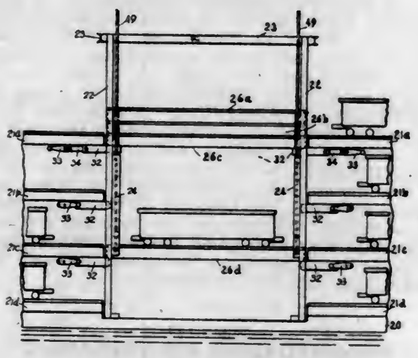
2,247,145

VESSEL FOR THE TRANSPORT OF VEHICLES

Delavan Munson Baldwin, New Canaan, Conn.

Continuation of application Serial No. 274,703, May 20, 1939, which is a division of application Serial No. 252,616, January 24, 1939. This application October 14, 1940, Serial No. 361,135

9 Claims. (Cl. 114—72)



1. A vessel having a plurality of decks and an elevator shaftway with guides therein, hoisting cables, an elevator car comprising slides engaging the guides and a plurality of elevator platforms detachably connected to the slides, means for detachably connecting the cables to the platforms, and means for supporting the platforms opposite each deck independently of the hoisting cables.

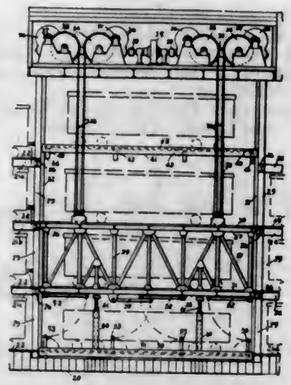
2,247,146

VESSEL FOR THE TRANSPORT OF VEHICLES

Delavan Munson Baldwin, New Canaan, Conn.

Continuation of application Serial No. 287,798, August 1, 1939. This application October 22, 1940, Serial No. 362,287

6 Claims. (Cl. 114—72)



1. In a vessel comprising a plurality of decks and a shaftway connecting the decks, the combination of means for supporting vehicles in the shaftway comprising a lift including a main platform, and a supplemental platform supported on the lift above the main platform for hoisting and lowering; mechanism for supporting the supplemental platform in the shaftway independently of the lift for vehicle storage; and hoisting mechanism embodying cables depending past the supplemental platform and connected to the lift for operating the lift while the supplemental platform is independently supported.

2,247,147

PROCESS OF PREPARING CYCLOPENTANE-HYDROPHENANTHRENE KETONES

Max Bockmühl, Gustav Ehrhart, and Heinrich Ruschig, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

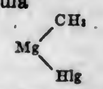
No Drawing. Application March 23, 1937, Serial No. 132,636. In Germany April 11, 1936

5 Claims. (Cl. 260—397.4)

1. Process which comprises converting a carboxylic acid of the general formula

RCOOH

wherein R stands for a cyclopentane-hydrophenanthrene radical into a derivative selected from the group consisting of the amide and nitrile, treating said derivative with the compound of the formula



wherein Hlg stands for halogen, and subjecting the compound thus obtained to a hydrolyzing process.

2,247,148

TREATING CRACKED PETROLEUM DISTILLATES FOR COLOR

Robert E. Burk, Cleveland Heights, Ohio, assignor to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application December 24, 1938, Serial No. 247,719

5 Claims. (Cl. 196—26)

4. In the preparation of petroleum distillates, providing a distillate containing cracked material, estimating the sulphur content, and reducing constituents causing colored products, by subjecting the distillate to elevated temperature with an amount of iron carbonyl less than what would correspond to the amount required to react with the total sulphur.

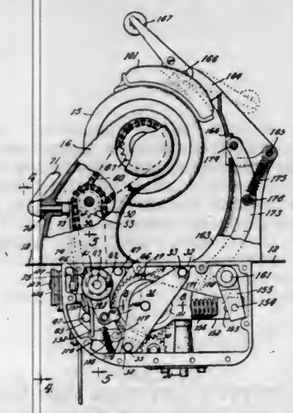
2,247,149

IRONING MACHINE CONTROL

John A. Castricone, Peoria, Ill., assignor to Altorfer Bros. Company, Peoria, Ill., a corporation of Illinois

Application October 20, 1938, Serial No. 236,064

14 Claims. (Cl. 38—61)



11. In a clothes ironing machine including a rotatably mounted feeding and pressure roll, a cooperating ironing shoe including a concave portion adapted to engage the surface of the feeding and pressure roll and to engage the surface of fabrics being passed between said roll and shoe to iron said fabrics, supports for said feeding and pressure roll and for said ironing shoe, a manually controlled power actuated eccentric and a connecting rod whereby said roll and shoe may be relatively moved between an operating position wherein their surfaces may engage each other, and an inoperative position wherein their surfaces are moved into spaced relationship with each other, a motor, power transmission means comprising a reduction gear train whereby said motor may impart rotary movement to said roll, power transmission means whereby said roll may be successively oscillated within predetermined limits, the combination of a disengagable clutch for said roll whereby said roll may be released from driving connection and from all mechanical or frictional resistance inherent in aforementioned power transmission means, means responsive to the disengaging movement of said ironer shoe for automatically disengaging said clutch, and a foot-operated control whereby the operator may manually disengage said clutch.

2,247,150

PICTURE MOUNT

Lee A. Chilcote, Beachwood, Ohio, assignor to The Chilcote Company, Cleveland, Ohio, a corporation of Ohio

Application December 28, 1940, Serial No. 372,139

4 Claims. (Cl. 40—158)



1. A picture mount comprising a cardboard back, a U-shaped spacer of cardboard secured to the front side thereof, the spacer enclosing on three sides a picture well, and a resilient cardboard mat secured to the front side of the spacer and having an opening that is smaller than the picture well and is in register therewith, the inner edge portion of the mat being deflected rearwardly and when in relaxed condition being in such relation to the back that, upon insertion of a photograph between it and the back, it is sprung forwardly and maintained under tension so as to hold the photograph in place against reasonable opposing force by the pressure imposed thereon by and between the back and such edge portion, and means maintaining the back in greater spaced relation to said edge portion adjacent the bottom of the U-shaped spacer than elsewhere.

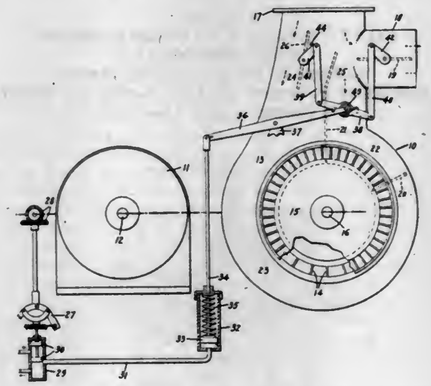
2,247,151

GOVERNING MECHANISM

Edward B. Clarke, Lynn, Mass., assignor to General Electric Company, a corporation of New York

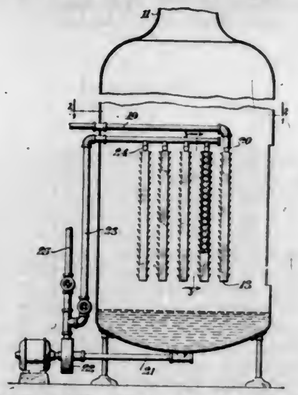
Application September 3, 1938, Serial No. 228,383

5 Claims. (Cl. 253—39)



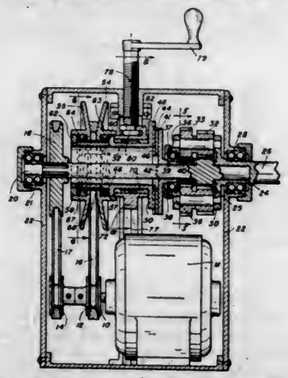
1. The combination of an elastic fluid-turbine having a bucket wheel, conduit means forming two channels for conducting elastic fluid to separate sections of the wheel, a first valve in one of the channels, another conduit with a second valve connected to the conduit means for bypassing fluid with regard to the wheel, and a mechanism for controlling the first and the second valve comprising a fulcrumed lever, a floating lever pivotally connected to the fulcrumed lever and to the valves, and yieldable means connected to the levers to effect successive closing and opening of the valves and to prevent closing of said first valve as long as the second valve is in opening position.

2,247,152
HEAT EXCHANGE DEVICE
Fritz G. Cornell, Jr., Mountain Lakes, N. J.
Application August 31, 1938, Serial No. 227,641
8 Claims. (Cl. 159—13)



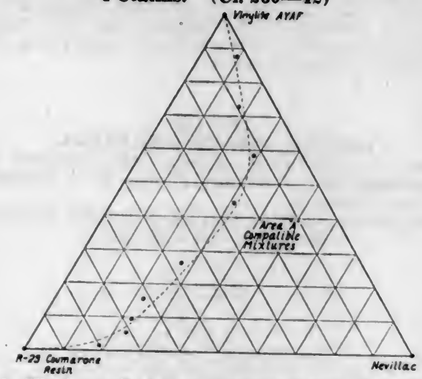
1. A device of the character described comprising a container, means for maintaining vacuum in said container, a plurality of vertical heat exchangers arranged in said container in side by side relation, means supporting said exchangers for movement from side by side relation to positions in which they are spaced apart to permit access for cleaning, means for circulating heating fluid through said exchangers, means for supplying liquid to one heat exchanger, means for withdrawing liquid from said container and supplying the same to the remaining exchangers and means for returning to each exchanger liquid forced off therefrom by ebullition.

2,247,153
CONTINUOUSLY VARIABLE SPEED CHANGING MEANS
William E. Ewart, Seattle, Wash.
Application February 26, 1940, Serial No. 320,961
8 Claims. (Cl. 74—286)



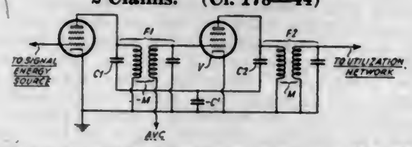
1. In a variable speed transmission mechanism, the combination with a constantly revolving drive shaft and a drive gear thereon, an alined driven shaft and a dual set of planetary gears mounted thereon in mesh with the drive gear, of a driven disk loose on the drive shaft and a pinion rigid with the disk and also meshing with the planetary gears, a constantly revolving tubular shaft surrounding the drive shaft and having a drive-disk, means for shifting the tubular shaft eccentrically of the drive shaft, and a slidable intermediate coupling disk joining said drive disk and driven disk.

2,247,154
RESIN
Lyle M. Geiger, Crafton, and William D. Johnston, Jr., Avalon, Pa., assignors to The Neville Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 25, 1938, Serial No. 203,980
4 Claims. (Cl. 260—42)



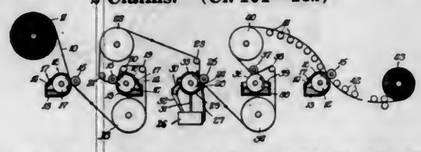
1. That method of compounding synthetic resin composition comprising preparing a melt of resin formed from the polymerizable constituents of crude solvent naphtha and produced by polymerization and concurrent phenolic involvement with a phenolic body, adding vinyl acetate polymer to the molten resin, then adding resin compatible with said phenolically involved polymer but incompatible with said vinyl acetate polymer, and agitating to produce homogeneity of the melt.

2,247,155
SELECTIVITY CONTROL CIRCUITS
Ernest Frederick Goodenough, Chelmsford, Essex, England, assignor to Radio Corporation of America, a corporation of Delaware
Application June 4, 1940, Serial No. 338,728
In Great Britain March 11, 1939
2 Claims. (Cl. 178—44)



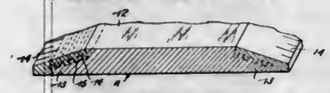
1. In a signal transmission system, a first filter network comprising a pair of signal-tuned circuits reactively coupled, a second filter network comprising a second pair of reactively coupled signal-tuned circuits, an electron discharge tube coupling the second filter in cascade with the first filter, at least one tuned circuit of said first pair including a condenser, a second condenser in series with said first condenser, at least one tuned circuit of said second pair of circuits including a third condenser, said second condenser being connected in series with the third condenser, said second condenser having a terminal at a fixed alternating potential and providing regenerative feedback of signal voltage from said second filter network, and means for varying the gain of said tube to vary the degree of feedback.

2,247,156
NEWSPAPER INTAGLIO PERFECTING PRESS
Irving Gurwick, Mount Vernon, Ohio, assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware
Application January 21, 1938, Serial No. 186,050
2 Claims. (Cl. 101—152)



1. In an intaglio perfecting press, a plurality of horizontally spaced color units having etched cylinders rotating in alternately reversed direction, an impression roll for each of said cylinders mounted at one side thereof to effect a printing operation on a downwardly traveling web only at a side contact portion of the cylinder, and means for conveying the web from one cylinder and impression roll to an adjacent cylinder and impression roll with the previously printed portion of the web uncontacted and exposed for drying, said means including drying rolls above and below said color units.

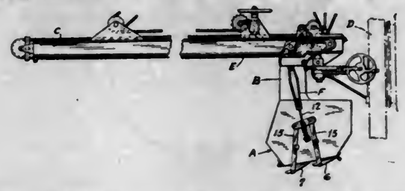
2,247,157
RULER
Charles H. Little, Cleveland Heights, Ohio, assignor of one-tenth to Charles Hubbard Little, Cleveland Heights, Ohio,
Original application May 3, 1936, Serial No. 62,144. Divided and this application June 22, 1939, Serial No. 280,561
7 Claims. (Cl. 33—107)



1. A composite drafting ruler comprising a ruler body extending from the upper surface to the lower surface of the ruler proper and having an outwardly tapering top beveled edge portion, said edge portion of said ruler body having a plurality of grooves therein opening into the upper beveled edge surface, and an edge strip on the top of said beveled edge portion and extending over the outer edge thereof formed from a plastic molded in position and mechanically interlocked with said beveled edge portion, said mechanical interlock comprising a plurality of longitudinally extending tongues and grooves on the edge portion of the ruler body and a plurality of longitudinally extending tongues and grooves on the edge strip interlocked with the tongues and grooves on the edge portion of the ruler body.

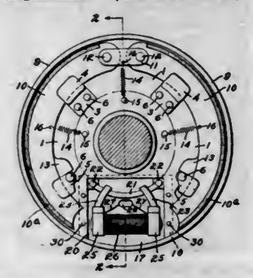
2,247,158
BOOM BUCKET
Edward H. Mortag, Wauwatosa, Wis., assignor to Koehring Company, Milwaukee, Wis.
Application September 11, 1939, Serial No. 294,375
1 Claim. (Cl. 94—44)

In apparatus of the character described, concrete distributing mechanism comprising a boom and a distributing bucket mounted for movement along the boom, said bucket being provided with a pair of doors in the bottom thereof extending transversely of the path of movement of the bucket, said doors being pivotally mounted in spaced relation for movement in the same rotational direction between open and closed positions, and mechanism on the bucket for simultaneously controlling movement of the doors to and from closed and open positions, said mechanism connected to the doors and operative to limit the extent of opening movement of the doors, said doors when in limited open position



being operative to retard the flow of concrete out of the bucket and to provide a pair of separate transverse openings through which concrete aggregates may stream out of the bucket in separate retarded streams and be deposited on the ground in layer form as the bucket is moved along said boom.

2,247,159
ELECTRIC BRAKE
Theodore B. Patch, Boston, Mass.
Application March 27, 1941, Serial No. 385,434
4 Claims. (Cl. 188—138)

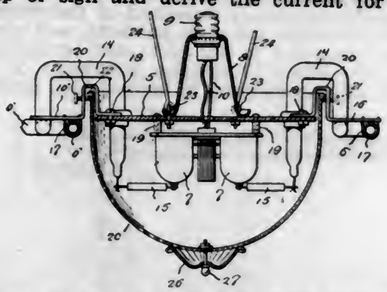


1. A brake for a vehicle having an axle and wheel thereon, the brake comprising a drum on the wheel, a shoe support on the axle for the brake shoe in cooperating relation with drum, the support having guides for the shoe and a removable panel therein, a shoe on and movable circumferentially of the support and within the drum, fixed stops on the support for the shoe, a movable stop member also on the support panel relatively operably positioned as to the shoes, and means operable from the vehicle to cause said movable stop member to become fixed on the drum between the shoe ends and act to force the shoe radially against the drum flange.

2,247,160
GASEOUS ELECTRIC LAMP OR SIGN
Clyde J. Sharpe, Tampa, Fla.
Application May 13, 1939, Serial No. 273,561
3 Claims. (Cl. 40—130)

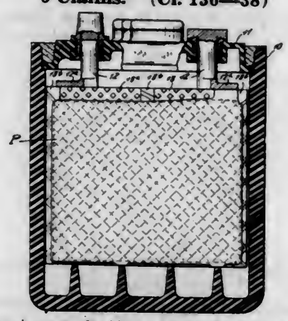
1. In a gaseous electric lamp or sign of the suspended type, a horizontal supporting plate, a luminous tube carried by said supporting plate, a transformer carried by and arranged directly beneath the supporting plate centrally of the latter, the ends of said luminous tube terminating near the transformer beneath said supporting plate, a hollow member rigid with and rising centrally from the supporting plate, an attachment plug mounted in and projecting upwardly from the top of said hollow member and adapted

to engage in an outlet receptacle to support the lamp or sign and derive the current for said



luminous tube, and conductor wires connecting said attachment plug with the transformer.

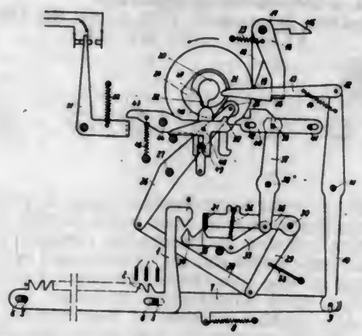
2,247,161
STORAGE BATTERY
Leland E. Wells, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application October 14, 1939, Serial No. 299,506
6 Claims. (Cl. 136—38)



1. In a storage battery, a plate and a separator adjacent thereto, the plate being composed of a grid with its interstices filled with active material and the separator having discontinuous isolated projections in supporting relation to the active material, the interstices of the grid and the projections of the separator having the same center to center relation.

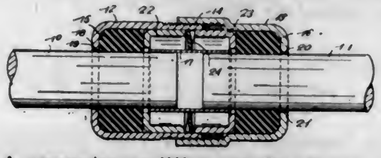
2,247,162
START-STOP CODE TRANSMITTER
Giuseppe Beccio, Ivrea, Italy, assignor to Firm Ing. C. Olivetti & C., S. A., Ivrea, Italy
Application July 22, 1938, Serial No. 220,682
In Italy May 2, 1938
9 Claims. (Cl. 178—79)

1. A printing telegraph machine for producing a code of a plurality of impulses comprising operating keys divided into two groups respectively, letters and marks; combination bars actuated by said keys, a cam shaft carrying cams, means for starting rotation of said cam shaft by the operation of a key and adapted to stop said shaft after one revolution, sliding members, means actuated by said cams for transferring simultaneously at the beginning of the revolution the sode registered in said bars to said sliding members for releasing said bars for a further registration, a transmission switch, levers actuated in succession by said cams and controlling said transmission switch depending upon the position of said sliding members, a universal permutation bar displaceable lengthwise to two positions, means actuated by the displacement of said permutation bar to prevent said levers controlling said transmission switch to be controlled by the position of said sliding members during the revolu-



tion of said cam shaft, means to bring said levers back under the control of said sliding members after said revolution of said cam shaft, and means to control said latter means through the receiving and printing part of the machine.

2,247,163
COUPLING
Dan T. Bradley, Detroit, Mich., assignor to Harris Products Company, Akron, Ohio, a corporation of Ohio
Application July 15, 1939, Serial No. 284,790
4 Claims. (Cl. 64—11)

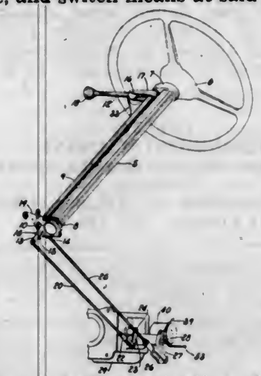


3. A power-transmitting coupling for connecting rotatable driving and driven members and comprising a housing member flexibly mounted on one of said rotatable members, said flexible mounting comprising a rubber bushing mounted on said rotatable member and having its periphery fitting said housing member, said housing member having an abutment engaging the outer end of said bushing, a spacer engaging the inner end of said bushing, means mounted on the other of said rotatable members and adjustably connected with said housing member so as to compress said bushing axially, and a locking member between and engaging said spacer and said last-mentioned means to normally prevent relative rotation therebetween.

2,247,164
TRANSMISSION CONTROL MECHANISM
Orville K. Butzbach, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application October 12, 1938, Serial No. 234,556
9 Claims. (Cl. 74—472)

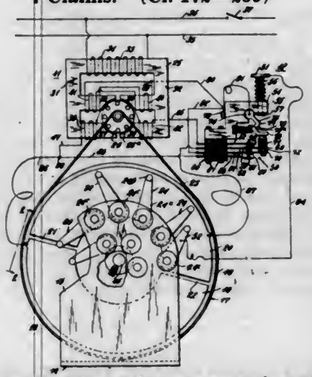
1. The combination, with a change speed transmission having an overdrive associated therewith, and remotely disposed gear shifting means for said transmission, of electrically responsive means supported on said transmission including an ignition circuit control means operable for cutting off transmission of torque to

the transmission and means for disengaging said overdrive, and switch means at said gear shifting



means for controlling actuation of said electrically responsive means.

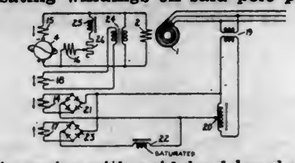
2,247,165
INDEXING APPARATUS
George W. Crise, Mount Vernon, Ohio
Application June 2, 1939, Serial No. 277,115
7 Claims. (Cl. 172—239)



1. In combination, a frame, a member rotatably supported by said frame and having a pair of spaced segments, an alternating current motor adapted to drive said member and having a pair of opposed shading coils connected respectively with said segments. and a selector contact riding said segments and having circuit connections with said shading coils for short-circuiting one coil while riding one segment and short-circuiting the other coil while riding the other segment and short-circuiting both coils when in engagement with both segments said selector contact comprising an arm having pivotal connection with said frame permitting manual swinging of the arm for adjustment of the contact to different settings.

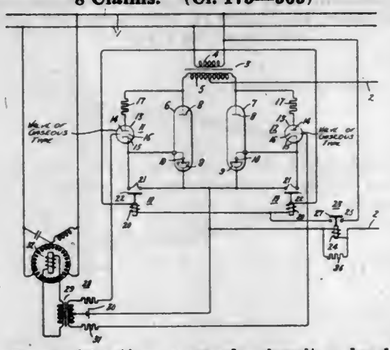
2,247,166
DYNAMO REGULATOR SYSTEM
Martin A. Edwards and Louis W. Thompson, Schenectady, N. Y, assignors to General Electric Company, a corporation of New York
Application June 24, 1939, Serial No. 280,940
21 Claims. (Cl. 171—223)

1. An automatic regulator system for a main dynamo electric machine of the type which is provided with a field winding, comprising, in combination, a direct current generator having an armature provided with a pair of short circuited brushes displaced 180 electrical degrees from each other and being further provided with a pair of similarly displaced load brushes whose axis is displaced 90 electrical degrees from the axis of said short circuited brushes, said generator having a field structure provided with four pole pieces whose pole faces are located respectively between different sets of adjacent brushes whereby a different brush is between each pair of adjacent pole faces, a circuit containing said load brushes for controlling the current in the field winding of said main dynamo, a set of control windings on said pole pieces arranged to send flux through said armature in such a direction as to induce a voltage between said short circuited brushes, means responsive to variations in the value of an electrical quantity associated with the operation of said dynamo for energizing said control windings with direct current, a set of compensating windings on said pole pieces con-



nected in series with said load brushes and arranged to send flux through said armature in such direction and of such magnitude as substantially to neutralize the armature reaction caused by a flow of current through said load brushes, a set of shunt economizer windings on said pole pieces connected in shunt circuit relationship to the circuit supplied by said load brushes and arranged to produce a flux through said armature which is in the same direction as the armature reaction flux produced by current flowing between said short circuited brushes, means for decoupling said shunt windings and said armature, a set of anti-hunting windings on said pole pieces arranged to send flux through said armature in a direction parallel to the flux produced by said control windings, and a stabilizing transformer having its primary winding connected in shunt to the field winding of said main dynamo and having its secondary winding connected to the terminals of said anti-hunting winding.

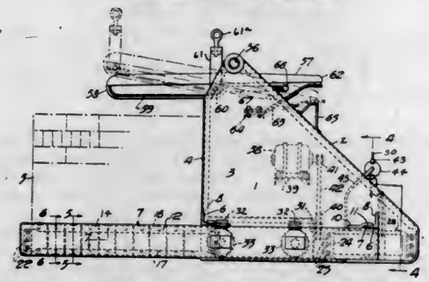
2,247,167
ELECTRIC VALVE CIRCUITS
Martin A. Edwards, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 28, 1939, Serial No. 301,861
8 Claims. (Cl. 175—363)



1. In combination, a supply circuit, a load cir-

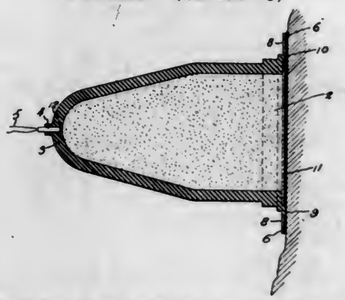
cuit, electric translating apparatus connected between said circuits and comprising a winding and an electric valve means of the type comprising an anode, a cathode and a control member of the immersion-ignitor type in contact with said cathode, an excitation circuit for energizing said control member including a control electric valve responsive to the voltage of said anode for transmitting impulses of unidirectional current to said control member to initiate arc discharges within said first mentioned electric valve means, and means responsive to the current transmitted by said electrical valve means for causing said control electric valve exclusively to transmit the load current.

2,247,168
BRICK GRAB
Robert A. Fontaine, Martinsville, Va.
Application February 21, 1940, Serial No. 320,188
10 Claims. (Cl. 294—63)



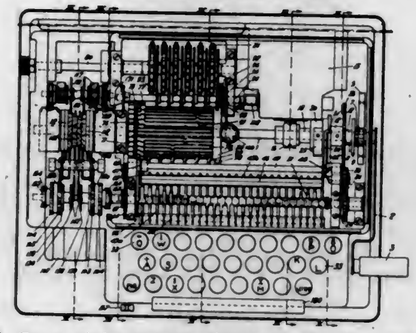
1. In a brick grab, in combination, a frame, means including spaced arms movably associated with said frame, rotatable elements connecting said first named means and frame for moving said arms toward or away from one another, driving means supported by said frame and operatively connected to said rotatable elements, expansible means within said arms, and a cylinder interposed between said first named means and in communication with said expansible means, whereby upon actuation of said driving means said arms will be drawn together to embrace a stack of bricks and said first named means will compress said cylinder to increase the pressure within said expansible means.

2,247,169
BLASTING SHELL FOR SURFACE BLASTING
Henry S. Gilbertson, Lansford, Pa., assignor to Heitzman Safety Blasting Plug Corporation, Shamokin, Pa., a corporation of Pennsylvania
Application December 11, 1937, Serial No. 179,357
5 Claims. (Cl. 102—5)



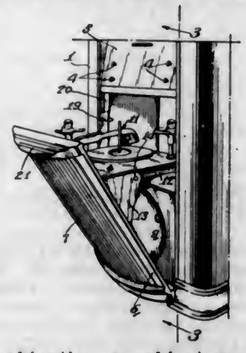
1. Shell for surface blasting, comprising a capsule having a broad flange encompassing the base, an explosive charge confined within said capsule, said base flange being coated with a sticky layer of adhesive whereby the base of said capsule is adapted to be adhesively applied to the surface of the mass which is to be blasted.

2,247,170
CIPHERING MACHINE
Boris Caesar Wilhelm Hagelin, Stockholm, Sweden
Application November 28, 1938, Serial No. 242,833
19 Claims. (Cl. 197—4)



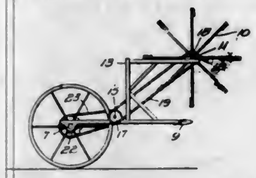
1. In a ciphering machine, means for reproducing primary signs, other means for reproducing secondary signs, a rotatable shaft for carrying said reproducing means, a series of keys each corresponding to a primary sign, means operable by said keys to fix predetermined starting positions of said shaft corresponding to the various primary signs, means to move said shaft after each depression of a key to the corresponding predetermined position presenting a primary sign, and means to effect a further movement of said shaft from each such starting position to a position for reproducing the secondary sign corresponding to the primary sign as determined by the key depressed.

2,247,171
RADIO-PHONOGRAPH COMBINATION
Emil I. Harman, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application June 20, 1940, Serial No. 341,569
6 Claims. (Cl. 179—100.11)



1. In combination, a cabinet provided with a front wall including a panel hinged at its bottom so as to swing outwardly from the general plane of said front wall to an inclined position at an acute angle to said plane; a radio receiver fixedly mounted in said cabinet, said radio receiver including an audio amplifier; a loud speaker mounted in said cabinet; a substantially horizontal shelf attached to said panel and extending rearwardly therefrom, whereby said shelf is drawn through the front wall opening of the cabinet when said panel is swung outwardly; means arranged cooperatively with said panel to support said shelf and permitting movement of said shelf as aforementioned; and a phonograph mounted on said shelf and including an electrical translating device having operative connection with said audio amplifier.

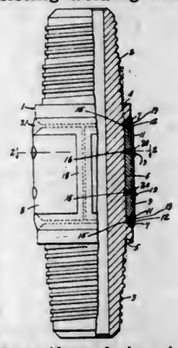
2,247,172
REEL DRIVE FOR COMBINES
Dick Hayes, Weston, Oreg.
Application February 5, 1940, Serial No. 317,411
1 Claim. (Cl. 56—122)



In a combine, the combination with a thresher having carrier wheels at each side thereof, a harvester extending laterally from one side of the thresher, the said harvester having sickle and draper mechanism operable independently of the carrier wheels and operative when the combine is at rest, and a reel rotatably supported above the sickle and draper mechanism, of a pair of arms attached to and extending rearwardly from the outer end portion of the harvester remote from the thresher, an axle rotatably mounted on the outer end portions of the said arms, a traction wheel fixed on the axle between the arms, a toothed clutch element secured on the axle adjacent the wheel, a complementary clutch element yieldingly urged into engagement with the first-mentioned element, a drive sprocket secured on the said yieldingly urged clutch element, an intermediate shaft rotatably mounted on the said arms forwardly of the drive wheel, a pair of sprockets secured on the said shaft, a drive chain connecting the said drive sprocket with one of the said shaft sprockets, a sprocket secured on the said reel, and a drive chain trained over the reel sprocket and one of the shaft sprockets whereby to operate the reel only when the traction wheel is rotated in a forward direction.

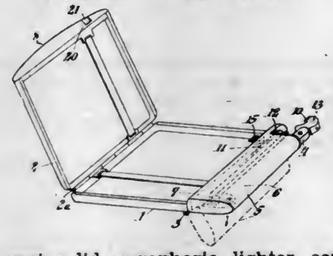
2,247,173
DRILLING COLLAR
Fritz Huntsinger, Ventura, Calif.
Application March 27, 1939, Serial No. 264,360
6 Claims. (Cl. 308—4)

1. In a drilling connector, the combination of a body having a thread at one end and cylindrical wear members adjacent the thread, the cylindrical wear members being formed of two substantially semi-cylindrical sections fixedly set into said body and being of a length less than said cylindrical wear section, the said cylindrical wear members being formed of high Brinell steel and welds fused to the body and fused to said wear sections at a pair of longitudinal welding seams and fused to the body and to said sections at end circular seams, said welded seams being formed of the said welds as a bonding weld upon which is superimposed a weld of high Brinell wear-resisting welding material, and said



semi-cylindrical sections being initially secured to the wear section at points other than at said seams.

2,247,174
COMBINED CIGARETTE CASE AND LIGHTER
Leopold Müller, Heidenreichstein, Nieder-Donau, Germany, assignor to Brüder Eisert A. G., Vienna, Germany (formerly Austria)
Application June 6, 1939, Serial No. 277,722
In Germany December 14, 1938
4 Claims. (Cl. 206—41.4)

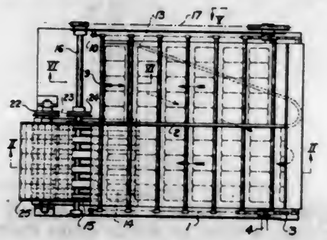


1. A spring-lid pyrophoric lighter combined with a container, particularly a cigarette-case, of the type which is automatically ignited by the act of closing the lid of the container, in which the lighter is resiliently pivoted to the container with its housing constituting a fastener for the container lid, a tripping member for the spring-lid and formed by a slide adapted to travel in the casing of the lighter, a spring latch serving to hold the lid of the lighter in closed condition and adapted to coact with said slide, the said tripping member being so mounted in the lighter housing that it is engaged and actuated by an edge of the container lid on closing of the container, and being brought out of the path of movement of the said edge by tilting of the lighter relatively to the container, so that, if desired, the container may be closed without thereby operating the lighter.

2,247,175
DEVICE FOR ASSEMBLING ARTICLES
Gustaf Örström, Alsten, Sweden, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Alstromergatan, Sweden, a joint-stock company of Sweden
Application December 27, 1938, Serial No. 247,997
In Sweden January 8, 1938
9 Claims. (Cl. 198—31)

1. In a device for assembling articles such as packages, boxes and the like, means adapted to

present different sides thereof to view for inspection, comprising a primary and a secondary conveyor track extending alongside from a rear end to a front end of the device, means for supplying transversely extending rows of articles to the rear end of said primary track, means for advancing said rows on said track in their lateral direction towards the front end of said primary track, means extending below said primary track for transferring said rows of articles in their



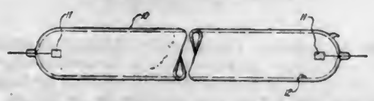
longitudinal direction of extent and transversely to their direction of advance, and rearwardly from the front end of said primary track to the rear end of said secondary track, means for advancing said rows on said secondary track in their lateral direction towards the front end of said secondary track, and means for reversing said rows of articles when being transferred from one conveyor track to the other to turn their rear sides forward and their bottom sides upwards.

2,247,176

GASEOUS ELECTRIC DISCHARGE DEVICE

Marcello Pirani, Berlin-Wilmersdorf, Hans Ewest, Berlin, and Karl Becker, Berlin-Steglitz, Germany, assignors to General Electric Company, a corporation of New York

Application May 5, 1932, Serial No. 609,547
In Germany May 13, 1931
10 Claims. (Cl. 176—122)



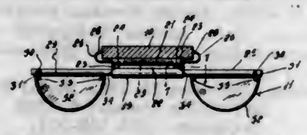
2. An electric vapor discharge device designed for operation with a given wattage of electrical input at a given ambient temperature, said device comprising a sealed envelope having thermionic electrodes sealed therein, and mercury vapor within said envelope, the heat radiating characteristics of said device being such that all of said mercury vapor is in a superheated condition when said device is operated under the designed conditions.

2,247,177

ATTACHMENT FOR IRONING BOARDS

Robert W. Rueping and Anna B. Rueping, De Pere, Wis.

Application June 13, 1940, Serial No. 340,377
3 Claims. (Cl. 38—111)



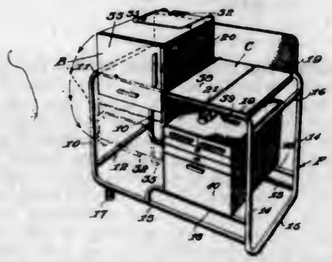
1. An attachment for ironing boards comprising brackets connected to the underside of an ironing board and transversely thereof, an arm slidably mounted in each of said brackets, said arms being extensible relatively to the brackets and laterally of the ironing board, a receptacle of flexible material attached to complementary ends of said arms and supported thereby at one side of the ironing board, one of said brackets including an elongated tube disposed beneath the ironing board, intermediate of its ends, a contractile coil spring disposed in said tube, and a pair of hooks having their shank ends extending into the ends of said tube and connected to the ends of said spring, the opposite ends of said hooks being disposed on the outer side of the tube and being extensible relatively to one another for engaging the longitudinal edges of the ironing board for detachably mounting said last mentioned bracket on the underside thereof.

2,247,178

GAS RANGE

Arthur P. Schulz, Hinsdale, Ill., assignor to G. & J. Teller, Chicago, Ill., a partnership composed of Grace Teller and Jacob Teller

Application August 24, 1938, Serial No. 226,530
2 Claims. (Cl. 126—39)



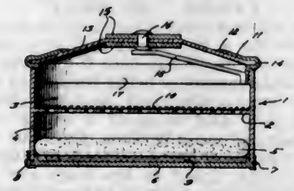
1. A range construction comprising a frame including a pair of vertical members at each end thereof, a horizontal member interconnecting the upper ends of the vertical members at one end of the frame, a pair of horizontal members extending from the upper ends of the vertical members at the opposite end of the frame and terminating short of the first mentioned horizontal member, a vertical plate secured to the ends of the pair of horizontal members and defining with the vertical members at one end of the frame a space, a baking and broiling compartment supported within said space and connected with the first mentioned horizontal member and said plate.

2,247,179

POWDER COMPACT

Pete Vroble, Steubenville, Ohio

Application November 26, 1940, Serial No. 367,284
4 Claims. (Cl. 132—82)



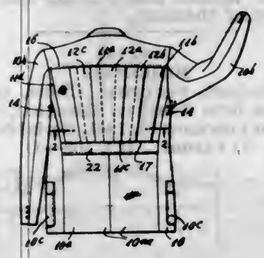
1. A powder compact comprising a case, a horizontal foraminous partition in the case providing an upper compartment for powder and lower compartment for the reception of a powder puff, a cover for the upper compartment mounted on the case, said cover having an opening therein, a substantially frusto-conical diaphragm mounted in the cover, discs secured on the opposite sides of the central portion of said diaphragm, and a spring in the case engaged with the inner disc for yieldingly urging the diaphragm outwardly through the opening in the cover, said diaphragm constituting means for forcing the powder through the foraminous partition into the lower compartment.

2,247,180

AIR CONDITIONED GARMENT

Vito Bagnato, Woodside, N. Y.

Application November 1, 1939, Serial No. 302,327
3 Claims. (Cl. 2—93)



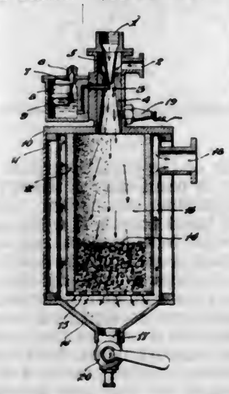
1. In a garment, material forming a side portion thereof and having an opening, a plurality of separate panels of cloth material extended across said opening and attached on opposite edges of said opening, and adjacent panels having overlapping edge portions, each panel being of tubular flat material having front and rear layers, with one of said layers having a slit, and lining material removably mounted in each tubular panel and removable from said slit, and means for releasably holding the linings stretched within said separate panels.

2,247,181

CARBURETOR FOR HYDROCARBON FUELS

Osep Vahan Berhoudar, Athens, Greece

Application July 23, 1938, Serial No. 221,039
In Greece July 26, 1937
1 Claim. (Cl. 48—74)



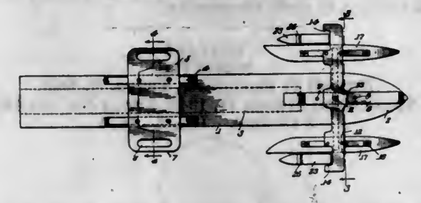
Apparatus for preparing hydrocarbon fuel for consumption in internal combustion engines comprising, a receptacle having a lining of refractory material, a grate at the lower end of the receptacle supporting granular refractory material thereon, a tube in communication with the top end of the receptacle having an orifice for admitting air to said receptacle, means for supplying liquid hydrocarbon fuel transversely to said tube below said orifice, a nozzle arranged axially of the tube terminating adjacent the fuel supply means for supplying exhaust gases of the engine to the tube to diffuse the fuel into minute particles and spray the same into the receptacle towards the granular refractory material without engaging said lining, and a casing wall surrounding the receptacle having an outlet at the top end thereof adapted to be connected to an inlet manifold of the engine.

2,247,182

SNOW SCOOTER

Ernest E. Bosca, Pasadena, Calif., assignor to May M. Bosca, Pasadena, Calif.

Application September 5, 1940, Serial No. 355,507
2 Claims. (Cl. 280—21)



1. A snow scooter comprising an elongated relatively wide main runner having an upwardly curved forward end portion terminating into a point and being grooved on its under surface along its longitudinal center from adjacent its forward portion to its rear end, seating means including a pair of supports secured to and rising from the runner adjacent the longitudinal edges thereof, a seat member secured to and bridging the upper ends of the supports and being slotted transversely thereof adjacent to its ends to provide hand gripping means, an elongated upright support secured along and rising from the longitudinal center of the forward portion of the main runner, steering means including a bar, means for pivotally connecting the bar between its ends at various places along the length of said elongated upright support for adjusting the steering means with respect to the seating means, attaching brackets secured to and depending in diverging relation from the bar, a pair of steering runners secured to the lower ends of the brackets for disposal upon opposite sides of the main runner, and bracing means between the steering runners and the bar and mounted on the pivot means of the latter.

2,247,183

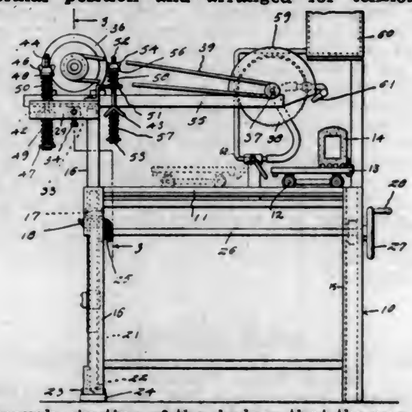
CLAY PRODUCTS SAW

Joseph A. Bour, Sharon, Pa., assignor of one-fourth to George F. Reinhardt and ten one-hundredths to George E. Birch, both of Sharon, Pa.

Application May 16, 1940, Serial No. 335,635
5 Claims. (Cl. 125—13)

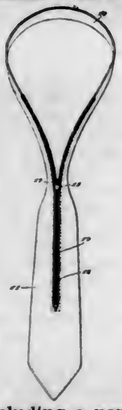
1. In a machine of the class described, a deck, sawing mechanism carried by said deck, means mounting the deck for pivotal movement including a frame on which the deck rests on opposite sides of its pivotal axis, and resilient means associated with the deck above the same on oppo-

site sides of its pivotal axis mounting the deck in normal position and arranged for tensioning



through pivoting of the deck so that the saw will be subject to such tensioning.

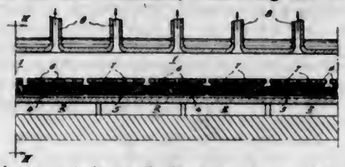
2,247,184
NECKTIE
Russell P. Burfening, Fargo, N. Dak.
Application March 11, 1940, Serial No. 323,463
3 Claims. (Cl. 2—150)



1. A necktie including a permanent knot having a depending portion, a reinforcing plate disposed within the knot, a neckband having a depending portion, the depending portion of the neckband having a longitudinal opening, a Zipper closing the opening and extending along the upper edge of the neckband, said Zipper having a slide, and means connecting the slide to said reinforcing plate, the arrangement being such that when the neckband is slipped over the head and the Zipper closed, the knot may be drawn up snugly underneath the wings of a shirt collar to dispose the depending portion of the knot in front of the depending portion of the neckband to conceal the Zipper and simulate in appearance a necktie of the four-in-hand type.

2,247,185
DISTILLATION PROCESS
Lorenzo Caccioppoli, Rome, Italy
Application March 31, 1939, Serial No. 265,295
In Italy April 6, 1938
2 Claims. (Cl. 202—12)

1. A continuous distillation process for carbonization of solid fuels, bituminous slates and the like, which comprises passing the stock to be treated through and along the lower portion of an elongated closed horizontal distillating chamber, subjecting the lower portion of the chamber to a heating action exteriorly thereof to drive off the volatiles, removing the volatiles



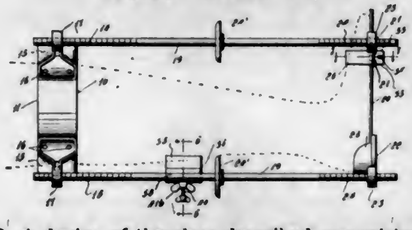
at various points and directly from the top of said distillating chamber, and subjecting the upper portion of the distillating chamber to a positive cooling action exteriorly thereof to prevent alteration of the volatiles and vary the temperature at various points along the length of the distillating chamber.

2,247,186
BUILDING
Paul C. Chelazzi, Shanghai, China, assignor to Charles John Doughty, Shanghai, China
Application February 21, 1941, Serial No. 380,044
11 Claims. (Cl. 108—1)



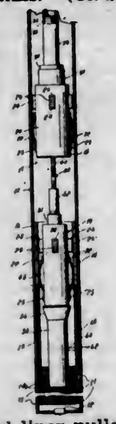
1. In a building, an arch member pivotally supported at one end and extending upwardly and outwardly therefrom, a second arch member pivotally supported at one end extending upwardly and outwardly therefrom in a direction opposite to the first arch member, tension means connecting free ends of said arch members supporting the free ends above the ground, and a roof supported on said tension means intermediate the free ends of said arch members.

2,247,187
EXTENSION DEVICE
Alfred Cunningham, Sayre, Pa.
Application July 11, 1940, Serial No. 344,999
2 Claims. (Cl. 128—84)



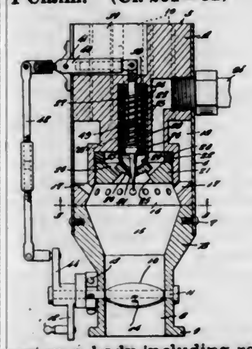
2. A device of the class described comprising a foot support, a band spaced therefrom, connecting and mounting means for connecting said support and band together, a leg support intermediate of said foot support and band, said leg support having a section provided with notches whereby it engages and is slidably mounted on said means, a leg supporting section disposed on the first mentioned section and having a portion shaped to provide a rest for the underside of the leg, said leg support being held in engagement with said means by engagement with the leg, and means mounted by the first mentioned section operable to adjustably move the other section transversely with respect to said means.

2,247,188
SCREEN AND LINER PULLER
Louis Davis, Corpus Christi, Tex., assignor of one-third to Samuel J. Blythe, Sr., and one-third to Ray H. Hostutler, both of Corpus Christi, Tex.
Application October 3, 1940, Serial No. 359,604
10 Claims. (Cl. 255—35)



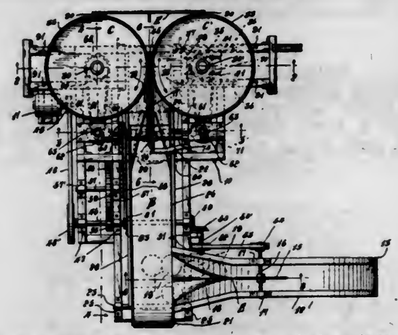
1. A screen and liner puller comprising a tool having an upper and a lower section, slips carried by each of the sections, mandrels slidably mounted relatively to the sections for setting the slips of the lower section in a liner and the slips of the upper section in a well casing, in which the liner is disposed, and means connecting said sections, said means being turnable in one direction for drawing the sections toward one another for raising the lower section to raise the screen and liner relatively to the casing.

2,247,189
CARBURETOR
Clement de Guyon, Hartford, Conn.
Application July 23, 1940, Serial No. 347,073
1 Claim. (Cl. 261—51)



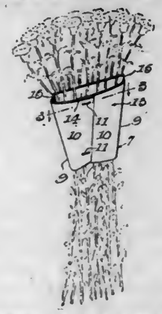
In a carburetor, a body including recessed separable upper and lower sections arranged in vertical endwise relation and coacting to provide a mixing chamber and a throat with the mixing chamber extending into both of said sections, the upper section having an air chamber, a coupling sleeve detachably joining said sections, means for admitting air to the air chamber, a throttle valve for controlling the throat, an annular member threaded in and located at the upper end of the mixing chamber and including a substantially dome-shaped portion having a centrally arranged opening and a plurality of ports grouped annularly about the opening and connecting the air chamber to the mixing chamber for directing air into said mixing chamber axially thereof, said dome-shaped portion having a seat in the upper face thereof, a fuel sleeve mounted in the upper section and having a rounded end engaging the seat and provided with an outlet neck extending through the opening and providing a valve seat, means for admitting liquid fuel to said fuel sleeve, and a spring influenced metering pin connected to and operated by the throttle valve and supported in the sleeve for coaction with the valve seat to control liquid fuel into the mixing chamber axially thereof.

2,247,190
FRUIT JUICING MACHINE
Eli Elwood Edenfield, Lakeland, Fla.
Application May 26, 1938, Serial No. 210,382
4 Claims. (Cl. 100—47)



1. A juice extracting machine of the class described having an endless conveyor to advance fruit segments, a trough in which the conveyor operates, guide members in the trough through which the fruit segments pass, pressing means for the fruit, and a positive feed device for the fruit in the form of an elongated lever having its free end nearest the pressing means and carrying an endless movable member having means for engaging the fruit, said feed device being disposed adjacent the discharge end of the guide means to push the fruit into direct engagement with the pressing means.

2,247,191
CUT FLOWER HOLDER
Eugene Endres, New Philadelphia, Ohio
Application December 18, 1939, Serial No. 309,870
3 Claims. (Cl. 229—87)



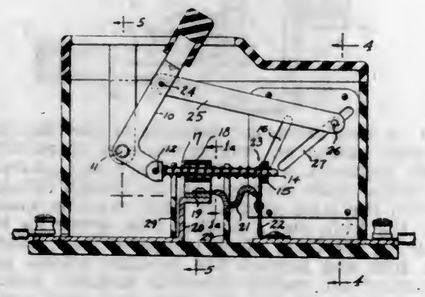
2. A cut flower holder comprising a flattened

and tapered sleeve open at both ends and having two longitudinal creases positioned to provide it with two tapered side walls joined by said creases, and a flat tapered divider between said side walls and having its converging edges engaged with said creases.

2,247,192
METHOD OF PREPARING FLUORESCENT MATERIAL
Gorton R. Fonda, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 28, 1939, Serial No. 301,811
5 Claims. (Cl. 250—81)

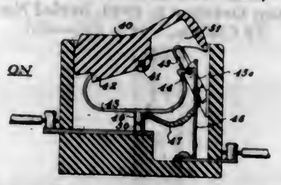
2. The method of making fluorescent material which comprises heating to about 850° C. a mixture of zinc oxide and silica, a crystallization-retarding reagent, and about 0.5 to 40 per cent of a catalytic metallic halide.

2,247,193
CIRCUIT BREAKER
William H. Frank, Detroit, Mich.
Original application January 11, 1937, Serial No. 119,931, now Patent No. 2,131,800, dated October 4, 1938. Divided and this application July 5, 1938, Serial No. 217,632
7 Claims. (Cl. 200—116)



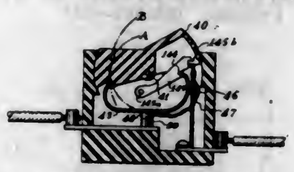
5. A circuit breaker including a stationary contact, a spring means in the form of a compression spring, a movable contact operatively connected thereto so as to be moved thereby, a handle directly connected to an end thereof so as to provide for manipulation thereof, a circuit responsive latch directly connected to another end thereof, the handle and the latch providing separate direct acting holding means for the spring means, the relation between the spring means, the latch, and the handle being such that on release of the latch the spring means moves around the handle connection thereto as a pivot without requiring movement of the handle so as to bias the contact to open circuit position, and on movement of the handle the spring means moves around the latch connection thereto as a pivot without moving the latch, so as to bias the contact to open circuit position, the points of connection between the handle and spring means and between the latch and spring means being spaced from each other, the movable contact connected to the spring means being formed to butt against the stationary contact, with the spring means biasing the movable contact against the stationary contact when the circuit is closed and the handle and latch hold the spring means.

2,247,194
CIRCUIT BREAKER
William H. Frank and Elwood T. Platz, Detroit, Mich.
Application February 21, 1940, Serial No. 320,116
18 Claims. (Cl. 200—116)



1. A manually operable switch and circuit breaker including a bowed leaf spring, a contact thereon and moved thereby, a handle directly connected to the spring so as to provide for manipulation thereof, a circuit current responsive latch directly connected to said spring, the handle and the latch providing direct connected separate holding means for the spring, the relation between the spring, the latch, and the handle being such that on release of the latch the spring biases the contact to open circuit position by moving around the handle connection thereto as a pivot without requiring movement of the handle, and on movement of the handle the spring moves the contact to open circuit position by moving around the latch connection thereto as a pivot without moving the latch, the points of connection between the handle and spring and between the latch and spring being spaced from each other, the spring normally biasing the contact into closed circuit position.

2,247,195
CIRCUIT BREAKER
William H. Frank and Elwood T. Platz, Detroit, Mich.
Original application February 21, 1940, Serial No. 320,116. Divided and this application September 30, 1940, Serial No. 358,944
18 Claims. (Cl. 200—116)



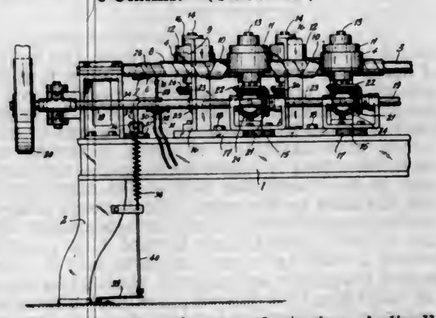
1. A manually operable switch and circuit breaker including a bowed leaf spring, a contact thereon and moved thereby, a handle directly connected to one end of the spring so as to provide for manipulation thereof, a pivotally mounted arm to which the other end of the spring is directly connected, a circuit current responsive latch directly and releasably connected to said arm at a point adjacent the connection of the spring to said arm, the arm providing a releasable connection between the latch and the adjacent end of the spring, the handle and the latch providing direct connected separate holding means for the spring, the relation between the spring, the latch, and the handle being such that on release of the latch the spring biases the contact to open circuit position by moving around the handle connection thereto as a pivot without requiring movement of the handle, and on movement of the handle the spring moves the contact to open circuit position by moving around the latch connection thereto as

a pivot without moving the latch, the points of connection between the handle and spring and between the latch and spring being spaced from each other, the spring normally biasing the contact into closed circuit position.

2,247,196
ENAMEL
Raymond W. Goodwin, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
No Drawing. Application March 11, 1939, Serial No. 261,387
5 Claims. (Cl. 106—48)

3. An enamel free from lead and having a firing temperature and coefficient of expansion adapting it for application to the surfaces of glass electric lamp envelopes comprising about 8–20% SiO_2, 4–12% Sb_2O_5, 1–2% Al_2O_3, 0–6% ZrO, Ba and ZnO in a combined amount of about 12–18%, 0–2% CaO, 0–5% CdO, 3–6% CaF_2, 0–2% Na_2SiF_6, 2–10% alkali oxides, and 30–45% B_2O_3.

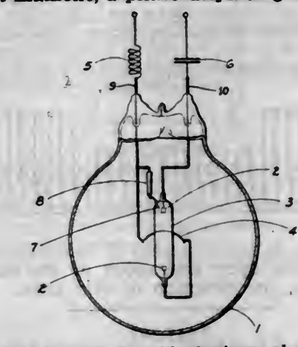
2,247,197
MANUFACTURE OF HELICALLY WOUND TUBING WITH IMPERVIOUS LINING
Charles B. Graves, Maplewood, Mo., assignor to The Sefton Fibre Can Company, Maplewood, Mo., a corporation of Delaware
Application July 26, 1939, Serial No. 286,562
8 Claims. (Cl. 93—80)



1. The process of manufacturing helically wound tubing with an impervious lining of heat sealable material which consists in helically winding a strip of such material about a mandrel with its edge portions overlapped and with a helically wound separating strip interposed between said helically wound lining strip and said mandrel, helically winding a body forming strip about said helically wound lining strip, applying heat to the overlapped edges of said lining strip as it is being wound around said mandrel and just before it is covered by said body strip, applying external pressure to said tubing before it leaves the mandrel to more securely seal the overlapped and heated edges of said helically wound lining strip and removing said separating strip after said tubing leaves said mandrel.

2,247,198
ELECTRIC MIXED LIGHT LAMP WITH MERCURY PRESSURE DISCHARGE FOR ALTERNATING CURRENT CIRCUITS
Hermann Krefft, Berlin - Schoneberg, Kurt Larché, Berlin - Tempelhof, and Hermann Kummer, Neuenhagen-Sud, near Berlin, Germany, assignors to General Electric Company, a corporation of New York
Application February 2, 1939, Serial No. 254,146
In Germany February 4, 1938
15 Claims. (Cl. 176—1)

11. An electric mixed light lamp for alternating current circuits comprising in combination a mercury vapor discharge device, an incandescent filament, a phase-displacing device, con-



ductors connecting said devices electrically in series, and an envelope enclosing both said discharge device and filament.

2,247,199
METHOD OF MAKING HEAT EXCHANGERS
Richard W. Kritzer, Chicago, Ill., assignor to Thermek Corporation, Chicago, Ill., a corporation of Delaware
Application August 26, 1938, Serial No. 226,880
5 Claims. (Cl. 29—157.3)



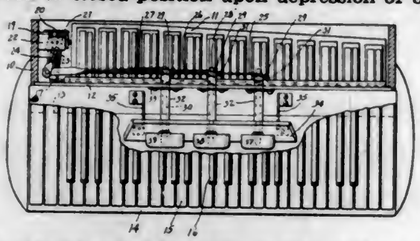
1. That improvement in making plates for use in heat exchangers which comprises gouging and transversely bending spines from the face of a substantially flat plate in rows spaced from one another by longitudinally overlapping cuts so that the spines will be longer than the spaces between the rows and the roots of the spines in the rows will be substantially contiguous.

3. That improvement in making heat exchange conduits which comprises gouging and transversely bending spines from the face of a substantially flat plate in rows spaced from one another by longitudinally overlapping cuts so that the spines will be longer than the distance between the rows and making the cuts so the roots of the spines in the rows will be substantially contiguous, bending the ends of the spines to conform to the confronting face of a second plate and joining the second plate to the spined plate to surround the spines and form a conduit for fluid.

2,247,200
SHIFT MECHANISM FOR ACCORDIONS
Carl Lindeberg, De Kalb, Ill., assignor to The Rudolph Wurlitzer Company, a corporation
Application May 2, 1940, Serial No. 332,934
2 Claims. (Cl. 84—376)

1. In an accordion, a piano type keyboard, having a plurality of piano keys, a treble reed box, a valve plate enclosing one side thereof, a reed block in said box, a sliding valve associated with said block slidable to open or closed position, a swivel pin extending through said valve plate and having its bearing for oscillatory movement therein, shift mechanism within said box connecting said swivel pin with said valve, and a shift button secured to said pin and lying over said keys, said button being provided with finger engaging wings on each side of said pin and normally extending substantially longitudi-

nally of said key bed, said button being operable relative to said keys to cause said valve to be moved to closed position upon depression of one



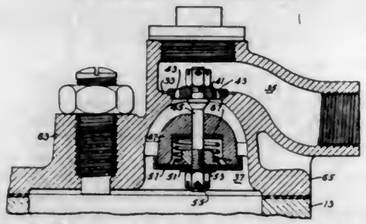
of its wings in the direction of said keys and to open position upon depression of the other of its wings in the direction of said keys.

2,247,201

CIRCUIT BREAKER OPERATING MEANS

Alfred Loos, Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 16, 1938, Serial No. 240,711
In Germany November 30, 1937
8 Claims. (Cl. 121—38)



7. In a fluid pressure operating means for a circuit breaker, an actuating cylinder, an actuating piston in said cylinder for actuating said breaker, a source of fluid pressure for operating said piston, means including a control valve for connecting said source of fluid pressure to said cylinder, and an automatic valve for controlling the flow of fluid to said cylinder in accordance with the load conditions on said piston when said control valve is opened, said automatic valve comprising a valve housing on the end of said actuating cylinder forming a closure for the end of said cylinder, said valve housing having a pair of chambers separated by a movable valve member, one of said chambers communicating with said control valve and the other chamber communicating with said actuating cylinder, said automatic valve having passages for permitting restricted flow of fluid to said cylinder when said control valve is opened and said valve member is in closed position, and having separate actuating means connected to said valve member and disposed in the valve chamber communicating with said cylinder for causing movement of said valve member to open position when the pressure in said cylinder exceeds a predetermined value.

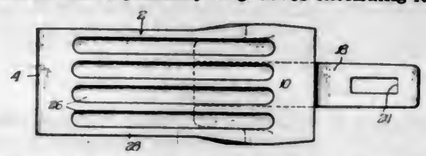
2,247,202

REPLACEABLE TOOTH FOR EXCAVATING IMPLEMENTS AND THE LIKE

Thomas A. Ratkowski, Chicago Heights, Ill., assignor to The American Brake Shoe and Foundry Company, New York, N. Y., a corporation of Delaware

Application August 7, 1940, Serial No. 351,719
9 Claims. (Cl. 37—142)

1. A dipper tooth comprising a wedge-shaped body having at least one of its wedge surfaces formed with a plurality of grooves extending lon-



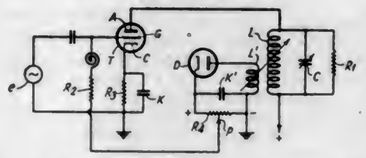
gitudinally of said body adapted to cause said tooth to retain its sharpness during its normal period of usefulness.

2,247,203

AMPLIFIER CIRCUIT

Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application January 7, 1939, Serial No. 249,752
6 Claims. (Cl. 179—171)



1. In a radio frequency power amplifier tube circuit having grid and plate circuits, the method of operation which includes applying a first bias potential to said grid which is proportional to the grid current and sufficiently high to protect the tube from overheating in the event of plate circuit misadjustment, applying a second bias potential which is proportional to the space current in said amplifier and sufficiently high to tect the tube in the event of failure of grid excitation, and deriving from the alternating voltage in said plate circuit a third bias potential having a polarity in opposition to said first and second potentials and of such value as to reduce the total bias to a desired operating value in the presence of proper grid excitation and plate circuit adjustment.

2,247,204

METHOD OF PRODUCING MOLDABLE LIGNOCELLULOSE AND PRODUCT THEREOF

Arlie W. Schorger and John H. Ferguson, Madison, Wis., assignors to Burgess Cellulose Company, Freeport, Ill., a corporation of Delaware

No Drawing. Application July 16, 1938, Serial No. 219,596
8 Claims. (Cl. 106—163)

1. The method of forming a thermoplastic lignocellulosic composition capable of being molded under heat and pressure into hard, resinous products which comprises water-cooking a subdivided natural lignocellulose for less than 3 hours at a temperature of approximately 185° C. to 200° C. in the presence of an alkaline substance having a water-solubility of at least 1% at 100° C. to form a thermoplastic product, said alkaline substance being present in an amount sufficient to neutralize the acids liberated from the natural lignocellulose during the cook and having an acid-neutralizing power equivalent to that of approximately 1% to 7% sodium hydroxide, based on the air dry weight of said natural lignocellulose, and washing and drying the cooked material.

2,247,205

MOLDED LIGNOCELLULOSIC PRODUCT

Arlie W. Schorger and John H. Ferguson, Madison, Wis., assignors to Burgess Cellulose Company, Freeport, Ill., a corporation of Delaware

No Drawing. Original application January 13, 1938, Serial No. 184,768. Divided and this application September 12, 1938, Serial No. 229,526
10 Claims. (Cl. 106—199)

1. In the preparation of a thermoplastic lignocellulosic material having the property of plastic flow under heat and pressure molding conditions of 185° C. and 3000 pounds per square inch with formation of hard, water-resistant, resin-like products by cooking a natural lignocellulosic material with water at a temperature of approximately 135° C. to 195° C. for approximately 15 minutes to an hour in the presence of an acid-neutralizing agent in an amount such as to produce a pH of approximately 5.0 to 6.0 in the cooked mass at the end of the cook to dissolve a part of the hemicelluloses and render said natural lignocellulosic material thermoplastic, leaching the cooked material until substantially all of the water-solubles have been removed, drying and reducing the leached material to a powder, the method of improving the plastic flow of said product under heat and pressure molding conditions which comprises adding to the dried material prior to the molding thereof, up to approximately 7% of a material from the group consisting of oils and waxes.

2,247,206

METHOD FOR MAKING MOLDABLE LIGNOCELLULOSIC MATERIAL AND PRODUCT THEREOF

Arlie W. Schorger and John H. Ferguson, Madison, Wis., assignors to Burgess Cellulose Company, Freeport, Ill., a corporation of Delaware

No Drawing. Application November 25, 1938, Serial No. 242,326
14 Claims. (Cl. 106—39)

1. The method of preparing a thermoplastic material having the property of high plastic flow under heat and pressure molding conditions of 185° C. and 3000 pounds per square inch respectively, with formation of hard, water-resistant, resin-like products, which comprises cooking a subdivided natural lignocellulosic material at a temperature of approximately 150° C. to 210° C. for up to 3 hours with a liquor comprising a mixture of water and a neutral organic solvent for lignin to render water-soluble at least a part of the hemicelluloses and effect a dissolving action upon the lignin of said natural lignocellulosic material, said organic solvent being water-miscible and stable under said cooking conditions and said liquor being present in an amount such that it is substantially completely absorbed by the lignocellulose during the cook, removing said organic solvent from said cook without removing the lignin therefrom and water-washing the residue to remove water-solubles therefrom.

2,247,207

METHOD FOR TREATING LIGNOCELLULOSIC MATERIAL AND PRODUCT THEREOF

Arlie W. Schorger, Madison, Wis., assignor to Burgess Cellulose Company, Freeport, Ill., a corporation of Delaware

No Drawing. Application November 25, 1938, Serial No. 242,327
12 Claims. (Cl. 106—203)

1. The step in the method for producing a thermoplastic lignocellulosic material capable of being hot-molded under pressure into a hard water-resistant and resin-like product which comprises depositing on a thermoplastic lignocellulosic material sufficient lignin derived from a solution of lignin in an organic solvent thereof to increase the plasticity of said lignocellulosic material during hot-molding.

2,247,208

MOLDABLE LIGNOCELLULOSIC MATERIAL AND METHOD FOR MAKING THE SAME

Arlie W. Schorger, Madison, Wis., assignor to Burgess Cellulose Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application December 5, 1938, Serial No. 244,035
10 Claims. (Cl. 18—48)

1. The method of treating a lignocellulosic molding composition to reduce the volume of a given weight thereof which comprises subjecting a moist mass of said composition to heat and mechanical pressure between opposed surfaces, said heat and pressure being insufficient to cause said composition to coalesce by fusion, and disintegrating said compressed material to a powder.

2,247,209

METHOD OF MAKING MOLDABLE LIGNOCELLULOSIC MATERIAL AND PRODUCT THEREOF

Arlie W. Schorger, Madison, Wis., assignor to Burgess Cellulose Company, Freeport, Ill., a corporation of Delaware

No Drawing. Application August 26, 1939, Serial No. 292,075
13 Claims. (Cl. 260—9)

2. The method of making a thermoplastic lignocellulose capable of being hot-molded into a hard, resin-like product, which comprises cooking a natural lignocellulose with water at a temperature and pressure sufficient to render said lignocellulose thermoplastic, washing said lignocellulose with water, drying said lignocellulose, mixing with said lignocellulose approximately 1% to 15% of aniline, based on the weight of said lignocellulose, and a catalyst from the group consisting of the oxides and salts of vanadium, chromium, manganese, iron, cobalt, nickel and copper, and heating said mixture outside the mold at approximately 100° C. to 225° C.

6. The method of producing a thermoplastic lignocellulose capable of being hot-molded into a hard, resin-like product, which comprises making an intimate mixture consisting essentially of a natural lignocellulose and approximately 1% to 15% of aniline, based on the weight of said lignocellulose.

2,247,210

METHOD OF PREPARING LIGNIN AND PRODUCT THEREOF

Arlie W. Schorger, Madison, Wis., assignor to Burgess Cellulose Company, Freeport, Ill., a corporation of Delaware

No Drawing. Application January 4, 1940, Serial No. 312,336
7 Claims. (Cl. 260—124)

6. As a new product, a thermoplastic lignin obtained by extracting a treated natural lignocellulose with a neutral organic solvent for lignin, and evaporating the solvent, said treated natural lignocellulose being the product of water cooking a natural lignocellulose in the sub-

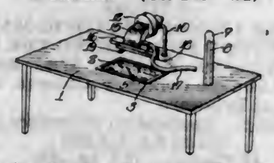
stantial absence of an organic solvent for lignin at a temperature of approximately 150° C. to approximately 250° C. for up to approximately 3 hours.

2,247,211

FUR INSPECTION DEVICE

Charles C. Solk, Chicago, Ill.

Application April 1, 1940, Serial No. 327,224
8 Claims. (Cl. 149—24)



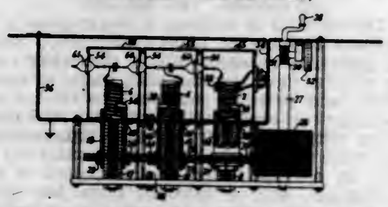
1. A device for use in inspecting fur garments comprising a translucent smooth surfaced member on which a portion of a fur garment embodying a seam may be held with the inside thereof in contact with said member, illuminating means in fixed relation and adjacent to said member at the opposite side thereof from that for contact with the garment, a support for said member and illuminating means, and means carried by said support for blowing air against the hairy side of said garment portion held on said translucent member.

2,247,212

SHORT WAVE SYSTEM

Bertram Trevor, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 19, 1938, Serial No. 191,425
2 Claims. (Cl. 250—40)



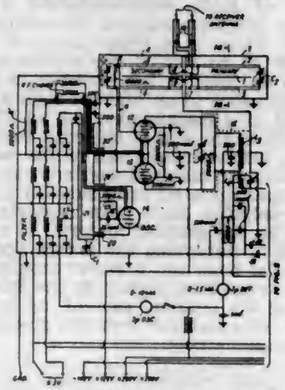
1. An ultra high frequency radio signalling system operative over a wide range of frequencies including a plurality of radio frequency tuning circuits, each tuning circuit having a variable inductive reactance and being devoid of concentrated shunt tuning capacitance, whereby there is obtained minimum capacitive reactance for said tuning circuits and uniform and maximum tuning impedance and uniform width of resonance curve over the tuning range, each of said inductive reactances comprising a coil of wire mounted on an insulating form and whose individual turns are spaced from one another, and a metallic enclosure adjacent to and movable over the greater portion of the length of said reactance for varying the effective value thereof; a shielding can individual to and surrounding that portion of each inductive reactance not covered by said movable metallic enclosure, and unicontrol means for simultaneously moving, equally, all of said metallic enclosures over their associated reactances in the same direction, whereby the effective values of said inductive reactances are varied to the same extent, said unicontrol means including a gear assemblage for each tuning circuit, the gear assemblage for certain tuning circuits being constituted by a central gear disc having on both sides thereof additional gear discs linked thereto by anti-backlash springs, the gears of said tuning circuits being intermeshed and linked to a control shaft.

2,247,213

ULTRA SHORT WAVE RECEIVER

Bertram Trevor, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application May 19, 1936, Serial No. 80,492. Divided and this application March 13, 1940, Serial No. 323,718
13 Claims. (Cl. 250—20)



1. In combination, a pair of electron discharge device detectors, each having an anode, a cathode and a control electrode, said cathodes and anodes being respectively coupled together, an input circuit for applying signal energy to the control electrodes of said detectors in push-pull whereby the applied energy to one control electrode is out of phase with respect to that applied to the other, an oscillation generator stabilized as to frequency by a hollow metallic resonant circuit devoid of concentrated inductance, and means for applying the output of said generator to the cathodes of said detectors in push-push whereby the energy from said generator applied to one cathode is in phase with respect to that applied to the other cathode, said means including a circuit coupled to said resonant circuit and to the cathodes of said detectors.

2,247,214

OSCILLOGRAPH APPARATUS

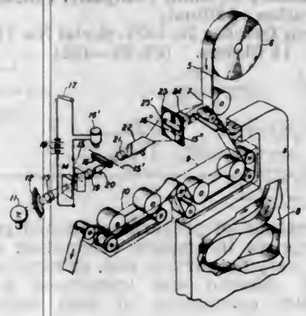
Harold N. Wagar, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 13, 1939, Serial No. 273,591
5 Claims. (Cl. 234—6)

2. In a recording device having a light sensitive record strip moving in a fixed direction, a mechanically movable body movable in a plane substantially parallel to said record strip and at any variable angle with respect to its direction of motion, optical means adapted to transmit an image of said body to said record strip, and optical adjusting means adapted to orient the direction of motion of said image into a line substantially perpendicular to the motion of said record strip.

5. In a recording device having a light sensitive record strip moving in a fixed direction, an oscillograph with at least one movable element responsive to an electric phenomenon, an optical system for producing an image of said element

and for recording any motion thereof on said strip, a mechanical body movable in response to said phenomenon along a fixed axis and in a plane substantially parallel with said strip and at any angle with respect to its direction of motion, an optical projection means interposed in said optical system adapted to record the motion of said body on said strip, a prism interposed in



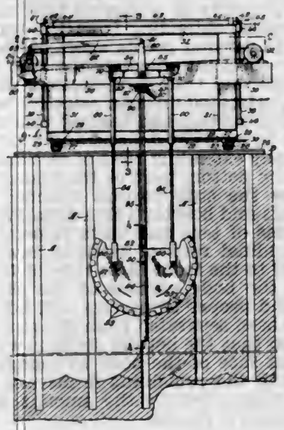
said optical system for orienting the direction of motion of the image of said oscillograph element so that it is in the same direction as the motion of said body and another similar prism also interposed in said system for orienting the direction of motion of both the image of said element and the projection of said body into a line substantially transverse to the direction of motion of said strip.

2,247,215

CUTTING APPARATUS

Julius Wegner and Alfred Wegner, Flushing, N. Y.

Application July 25, 1940, Serial No. 347,366
11 Claims. (Cl. 262—32)



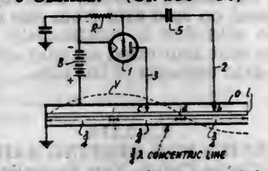
10. In a cutting apparatus for material provided with drilled holes in the intended cutting plane, a member arranged to extend into a selected one of said holes, a curvilinear cutting blade pivotally mounted on said member, and operating means including extensible connections to said cutting blade for oscillating said cutting blade and for advancing said member in the selected hole with said cutting blade as the cutting operation proceeds.

2,247,216

RESONANT LINE CONTROL OSCILLATION GENERATOR

Arthur M. Braaten, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 27, 1938, Serial No. 204,589
9 Claims. (Cl. 250—36)



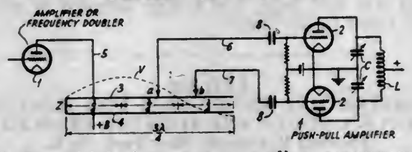
6. An oscillation generator comprising an electron discharge device having a grid, a cathode, and an anode, a concentric conductor resonant line three-quarters of a wavelength long, said line being open at one end and short circuited at its other end, connections from said grid and anode to points on the inner conductor of said line intermediate the ends thereof which are oppositely disposed with respect to a voltage nodal point thereon, and a connection from said cathode to said line.

2,247,217

RESONANT LINE COUPLING CIRCUIT

Arthur M. Braaten, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 28, 1938, Serial No. 204,766
7 Claims. (Cl. 179—171)



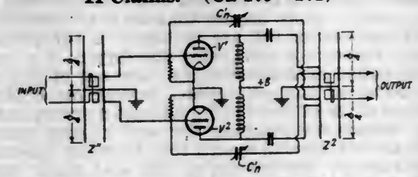
2. In a high frequency coupling arrangement for coupling an unsymmetrical high frequency vacuum tube stage to a symmetrical high frequency vacuum tube stage, a two-conductor resonant line three-quarters of a wavelength long at the operating frequency, said line being short circuited at one end, a connection from said unsymmetrical stage to a point on said line which has a desired impedance relative to that of said stage, and a pair of connections from said symmetrical stage to points on said line which are intermediate the ends thereof and oppositely disposed with respect to a voltage nodal point thereon.

2,247,218

NEUTRALIZING CIRCUITS EMPLOYING RESONANT LINES

Arthur M. Braaten, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

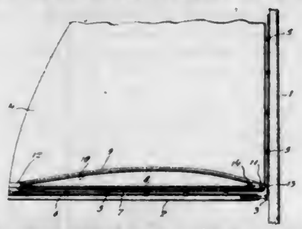
Application April 28, 1938, Serial No. 204,766
11 Claims. (Cl. 179—171)



9. An electric circuit for neutralizing capacity

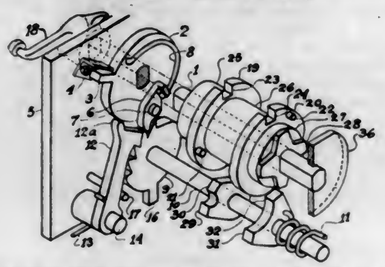
coupling between the grid and anode circuits of a vacuum tube, one of said circuits comprising a two-conductor resonant line an odd multiple of a half wavelength long, and connections from the grid and anode of said tube to points on one conductor of said line which are of opposite polarity and which are oppositely disposed with respect to the center thereof, whereby the voltage impressed on said grid from one of the connections to said line is substantially equal and opposite to that impressed on said grid through the anode-grid capacity of the tube.

2,247,219
DEVICE FOR REEFING SAILS
John Clarke Childs, New Rochelle, N. Y.
Application June 8, 1939, Serial No. 278,009
9 Claims. (Cl. 114—104)



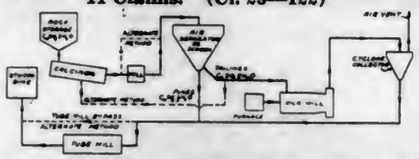
1. In combination with a sail, a strip of tape, a series of zipper lugs along one edge thereof, said strip being secured to said sail, a second similar strip of zipper tape secured to said sail a spaced distance from but in cooperative relation with said first tape, and a slide adapted to cause said tapes to interlock.

2,247,220
COMBINATION MECHANISM FOR KEYLESS LOCKS, BOLTS, AND LOCKING DEVICES
Thomas P. Conlon, New York, N. Y.
Application March 20, 1939, Serial No. 262,837
12 Claims. (Cl. 70—305)



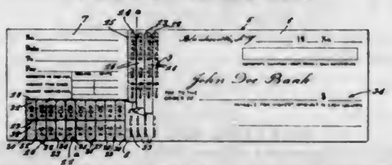
1. A combination mechanism for keyless locks, comprising means for manually indexing the rotative movements of a dial shaft, means for limiting the rotative movements of the dial shaft to maximum movements within approximately 360 degrees, tumbler disks friction held as to their rotative position on the dial shaft, projections on the tumbler disks, fingers adapted to be positioned into and out of the arc of travel of the projections, means for advancing the fingers in a predetermined arrangement into and out of the arc of travel of the projections, means for holding the advance of the fingers against a spring loading, means for releasing the said holding means operative from the means for manually indexing the rotative movements of the dial shaft, from which the means for advancing the fingers is also operative, and means for preventing, except for a small arc of rotation, the contact of a tumbler arm with the tumbler disks.

2,247,221
GYPSUM PLASTER AND METHOD OF MANUFACTURE
Manvel C. Dailey, Maywood, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application October 30, 1937, Serial No. 171,818
11 Claims. (Cl. 23—122)



7. The method of preparing calcined gypsum, which comprises incomplete calcination of raw gypsum of varying particle size, substantial separation of calcined and uncalcined portions thereof, and calcination of said uncalcined portions.

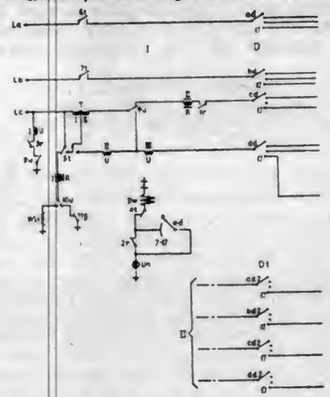
2,247,222
FINANCIAL INSTRUMENT
Irl A. Dale, Memphis, Tenn.
Application March 21, 1940, Serial No. 325,260
3 Claims. (Cl. 283—12)



3. In a check or like financial instrument, an elongated sheet having a relatively large body portion and a smaller stub portion at one end thereof, a plurality of elongated transversely arranged sections extending from the top edge of the sheet to varying points short of the bottom edge of the sheet intermediate the stub and body portions, the said transverse sections being separated by perforated lines for selective separation with the stub portion and bearing value denoting characters in terms of dollars, and a plurality of longitudinally extending rows of sections extending from the bottom part of the transverse sections below the stub portion bounded by perforated lines and bearing value denoting characters in terms of tens and units respectively, the said longitudinal rows of sections having adhesive applied to the front faces thereof for folding over onto the body portion of the sheet when the stub and proper transverse and bottom sections have been separated from the remainder of the sheet so that the bottom sections will adhere to the front face of the body in complementary relation with the remaining transverse sections to denote approximately the amount for which the instrument is drawn.

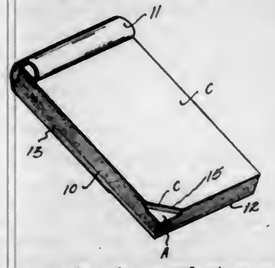
2,247,223
TELEPHONE SYSTEM
Hans Dreyer, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske Aktiengesellschaft of Wernerwerk, Siemensstadt, near Berlin, Germany
Application July 22, 1937, Serial No. 154,981
In Germany July 30, 1936
13 Claims. (Cl. 179—18)

1. In an automatic switching arrangement, a control switch having access to a plurality of lines, said lines being arranged in groups accessible to the wipers of said switch, means for seizing said switch and for causing said wipers to automatically search for an idle line in one group, an overflow device, means operated to seize said de-



vice over the wipers of said switch when all the lines in said one group are busy, and means in said device operated over said wipers for at times causing the wipers of said control switch to search for an idle one of said lines in another of said groups.

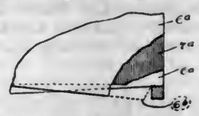
2,247,224
BOOKBINDING
Mac W. Dunning, Dallas, Tex.
Application May 13, 1939, Serial No. 273,408
1 Claim. (Cl. 281—38)



As a new article of manufacture, a duplicate order book comprising a group of sheets, each having a respective color and bound together, certain of said sheets being arranged for detachment as original sheets, the remaining sheets being retained for copies, certain of said sheets being arranged for detachment as original sheets, the remaining sheets being retained for copies, said latter sheets having their corners angularly severed and interposed between groups of a predetermined number of said detachable bound sheets whose corners are intact, whereby a portion of the next original sheet underlying having an intact corner is exposed beneath said copy sheets.

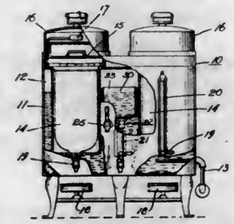
2,247,225
FLAME ARRESTER
John R. Edwards, Pittsburgh, Pa., assignor to The Johnston & Jennings Company, Cleveland, Ohio, a corporation of Ohio
Application May 18, 1937, Serial No. 143,380
1 Claim. (Cl. 220—88)

In a flame arrester, a plurality of juxtaposed plates formed to provide a multiplicity of substantially vertical passages, means for conducting the flow of gases and vapors through said passages, the lower edges of alternate plates pro-



jecting at a horizontally inclined angle and in opposite directions beyond the other plates, whereby condensed liquid is drawn away from such passages.

2,247,226
HOT WATER RESERVOIR IN COFFEE URN
Frank C. Ehrenreich, Chicago, Ill., assignor to Continental Coffee Company, Inc., Chicago, Ill., a corporation of Illinois
Application October 5, 1940, Serial No. 359,845
1 Claim. (Cl. 53—3)

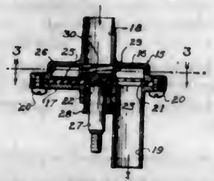


In combination with a coffee urn having a casing, a boiler, coffee makers adapted to hold coffee and coffee holders within said casing, a pipe leading into said boiler for supplying water therefor, means for heating said boiler and the water therein, said boiler of such a size that the desired amount of heated water may contact the coffee in the coffee makers and pass as liquid coffee of consistent strength into the coffee holders, means manually operable on the exterior of the coffee urn for withdrawing hot liquid coffee of consistent strength from the coffee holders, a hot water reservoir comprising a hollow support attached to said casing and extending within said boiler, a reservoir supported on said support and extending upwardly to the upper portion of said boiler, and having an opening to receive hot water from said boiler before said water contacts said coffee makers, and without diminishing the supply of water for coffee of consistent strength, and a faucet communicating with said hollow support, and manually operable from the exterior of the urn for withdrawing hot water from said hot water reservoir without diminishing the water supply for the coffee makers and holders.

2,247,227
VALVE FOR AUTOMOTIVE VEHICLE HEATERS
Howard J. Findley, Euclid, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application September 23, 1939, Serial No. 296,196
1 Claim. (Cl. 251—86)

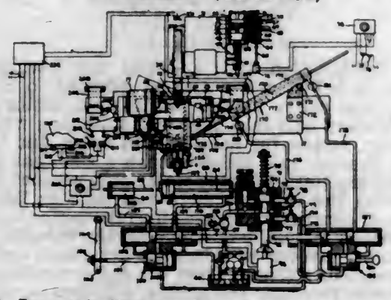
A valve structure, comprising separable body members having a sealing gasket interposed therebetween, an inlet conduit axially connected to one body member and an outlet conduit connected to the other body member, one of said body members being provided with a pocket, a rotatable plate valve received in said pocket, a

spring in said pocket disposed axially with respect to the axis of said inlet conduit and the axis of said plate valve so that the pressure of the fluid entering the inlet conduit will assist the spring in maintaining the valve seated, means connecting the body members together and compressing the spring for seating the valve on the



gasket, said valve having an opening formed therein which is enlarged at one end and terminating in a gradual taper at the other end for forming a metering discharge passage, said opening being adapted to register with the outlet conduit on rotation of the valve and means for rotating said valve.

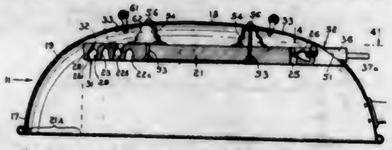
2,247,228
GRINDING MACHINE
Carl G. Flygare, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application October 2, 1939, Serial No. 297,513
15 Claims. (Cl. 51—94)



1. In a grinding machine having a transversely movable rotatable grinding wheel, a longitudinally movable table, a pivotally mounted horizontally movable platen carried thereby, a rotatable work support on said platen, means to feed said wheel transversely toward and from said work support to produce a predetermined grinding feed, means to reciprocate said work table longitudinally to grind a cylindrical face on a work piece, means to swing said platen relative to said table during rotation of the work piece to produce a predetermined radius adjacent to the end of said cylindrical surface, and an interlocking mechanism between said table reciprocating mechanism and said swinging mechanism whereby one of said mechanisms is rendered inoperative while the other is in an operating position.

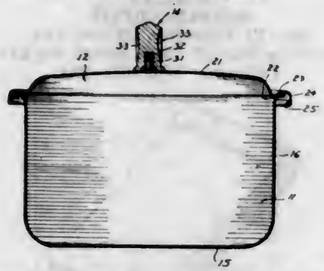
2,247,229
ELECTRICAL COOKING APPARATUS
Hoyt K. Foster, Hollis, N. Y., assignor to S. W. Farber, Inc., Brooklyn, N. Y., a corporation of New York
Application June 3, 1939, Serial No. 277,124
3 Claims. (Cl. 219—19)

3. In a table type broiler, a cover therefor having walls which are curved in all directions from the edges of the cover to the top thereof, an opening in the wall of said cover, an electrical heating unit comprising a flat ceramic block having a plurality of grooves in the front face thereof, a reduced extension integral with said block for the mounting of terminal pins, said block fitting in said opening so as to position and in part mount said heating unit, terminal pins carried by said extension, and extending outside said cover, a heating element of the resistance wire type



mounted in said grooves and connected to said terminal pins, the ceramic block being positioned close to but spaced slightly from the top and curved sides of said container thereby locating the outermost groove close to the rounded sides so that the curved sides cooperate in the even distribution of the radiations from said heating element in the area outside said block, and means for securing the block in place in said cover.

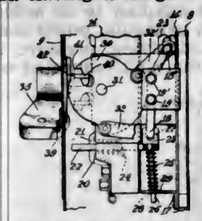
2,247,230
COOKING UTENSIL
Hoyt K. Foster, Hollis, N. Y., assignor to S. W. Farber, Inc., Brooklyn, N. Y., a corporation of New York
Application October 2, 1940, Serial No. 359,304
6 Claims. (Cl. 53—8)



1. A cooking utensil comprising a pot having a bottom and sides formed of sheet metal, the upper portion of the sides terminating in an outward and upward flare and an outer thin flat bead, and a cover for said pot formed of sheet metal and having an outer depending portion extending below the bead of the flared portion and provided with a deep inturned bead arranged to interlock with the bead of the pot when the utensil is tilted into pouring position.

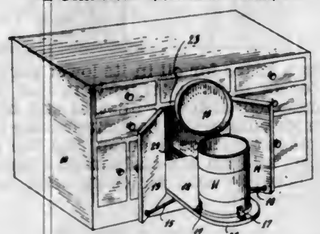
2,247,231
ELECTRIC SWITCH
Benjamin E. Getchell, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application December 6, 1940, Serial No. 368,822
10 Claims. (Cl. 200—50)

1. An enclosed switch including a box having a cover hinged at one edge, switching means in the box including an element pivoted adjacent the side of the box opposite the hinge of the cover and having an interlocking notch opening toward the front of the box, a lever hinged to the inside of the cover adjacent the hinge of the cover and having its opposite end adapted to interlock with the notch in said pivoted element, an operating crank member pivoted to the inside of the cover and having a hinged connection with



said lever and an external handle on the front of the cover and constituting a part of the operating crank member.

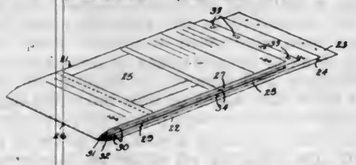
2,247,232
CONTAINER AND SUPPORT THEREFOR
Benjamin D. Goldberg, Brooklyn, N. Y.
Application August 15, 1940, Serial No. 352,736
4 Claims. (Cl. 312—192)



1. The combination with a wall having an opening, of a support, a container carried by said support and movable therewith in a generally horizontal direction through said wall opening with its axis substantially vertical during movement thereof, a cover for the container, a pivotal connection between the cover and container, a second support fixed with respect to said wall, a tension member between said second support and said cover, said tension member, its support, the top of the wall opening, and the attachment of the tension member to the cover being so proportioned and located that the cover is raised substantially and gradually in response to outward movement of the container before it has moved entirely through said wall opening, a closure means for the wall opening, and mechanism connecting said closure means with said container support for moving the container in and out of said wall opening in response to movement of said closure means

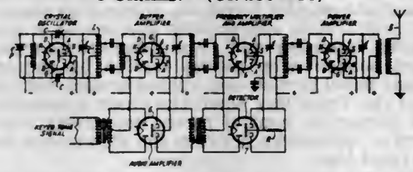
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2,247,233
MANIFOLDING BOOK
Francis S. Graham, Evanston, Ill., assignor to American Sales Book Company, Inc., Niagara Falls, N. Y., a corporation of Delaware
Application August 1, 1940, Serial No. 349,150
8 Claims. (Cl. 282—24)



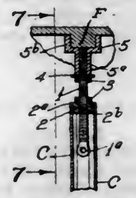
2. In a manifolding book, in combination, a plurality of sets of record leaves, a binding, one of the leaves of each of said leaf sets being a binding leaf and having a binding stub by which the respective leaf sets are bound in said binding, two of the record leaves of each said set having attachment at their end portions to the end portion of the respective said binding leaf remote from said binding and having their opposite end portions disposed adjacent to said binding and being free of attachment to the latter, whereby said two leaves may be raised from said binding leaf, a multi-use transfer leaf having binding attachment in the book so as to be capable of swinging into position between said two record leaves of the respective leaf sets and said binding leaf thereof so as to transfer inscriptions to the latter, and a one-time transfer leaf attached in transfer position between said two record leaves of each set, said two leaves of each said set having attachment with each other adjacent to said binding attachment of the multi-use transfer leaf whereby they are constrained to be raised as a unit to facilitate placing of the last mentioned transfer leaf in transfer position.

2,247,234
ELECTRON BEAM TUBE CIRCUITS
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1938, Serial No. 210,589
5 Claims. (Cl. 250—36)



1. An electron tube oscillator having an electron emitting element, a plurality of anode members symmetrically arranged relative to the emitting element, and a pair of deflecting electrodes intermediate the emitting element and the anodes, all within an envelope, controllable capacitive feed-back paths directly connecting said anodes to said deflecting electrodes, and a piezo-electric crystal connected across said deflecting electrodes for controlling the frequency of the generated oscillations, whereby the frequency of operation of said oscillator is slightly different from the resonant frequency of said crystal.

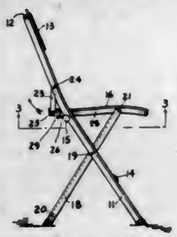
2,247,235
LAVATORY LEG COUPLING
Charles F. Hause, Los Angeles, Calif.
Application March 4, 1940, Serial No. 322,143
6 Claims. (Cl. 4—170)



1. In a lavatory leg coupling of the class described, the combination with a lavatory and a lavatory supporting leg, of a coupling bolt supporting said lavatory at its one end and adjustably supported on said lavatory leg at its other

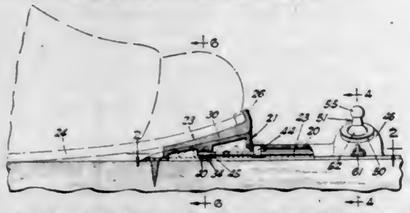
end, and a separate coupling bolt supporting nut screw threaded on said coupling bolt and positioned on the upper end of said lavatory leg.

2,247,236
FOLDING CHAIR ADJUSTING MEANS
Udo K. Johannsen, Cortland, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a corporation of New York
Application February 27, 1940, Serial No. 321,027
4 Claims. (Cl. 155—143)



1. A portable folding chair of the X-type comprising a pair of interconnected rear legs, a pair of interconnected front legs each respectively pivoted to a mated rear leg in scissor fashion and which front legs in erected chair position extend beyond the upper rear leg terminals, rigid seat panel means of which a forward marginal portion is pivotally mounted between said rear leg terminals, companion suspension links each respectively pivoted to a contiguous front leg and to a rearward marginal panel portion, stop means carried by the last named panel portion and guided by said links toward the front legs when the chair is unfolded, and adjustable control means selectively interposed or withdrawn between the stop means and the front legs.

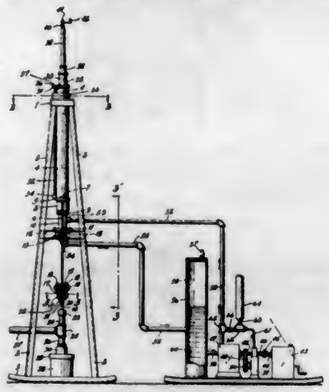
2,247,237
SKI ATTACHING DEVICE
Carl O. Johnson, Kenmore, N. Y.
Application March 8, 1939, Serial No. 260,567
12 Claims. (Cl. 280—11.35)



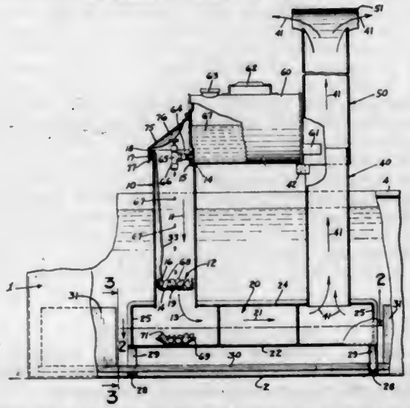
1. A ski attaching device, comprising a ski member, a shoe member, said members being slidable longitudinally to interengage each other, one of said members being of closed housing formation, and locking means enclosed within said housing and projectable laterally therefrom to engage said other member.

2,247,238
HYDROPNEUMATIC PUMPING SYSTEM
Douglas Johnston, Shelbyville, Ill., assignor to Leslie R. Tallman, Gentry L. Tallman, Emma S. Tallman, and Jesse L. Tallman, all of Shelbyville, Ill.
Application April 17, 1939, Serial No. 268,160
1 Claim. (Cl. 60—52)

A hydro-pneumatic pumping system for oil wells comprising a double-acting hydraulic motor having an inlet for pressure fluid and an outlet for the same, a reciprocable member for operating a pump rod adapted to be actuated by said pressure fluid, a hydraulic pump connected with said inlet for supplying pressure fluid to the motor, a balancing tank connected with said outlet having a space for oil in its lower portion and a space for air in its upper portion, said oil space being connected with the inlet to said hydraulic pump, an air compressor communicating with the connection between said pump and the inlet to said motor, and an air cushioning chamber interposed between said air compressor and said latter connection.

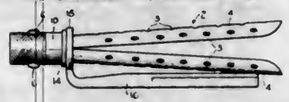


2,247,239
STOCK TANK HEATER
Maurice H. Keating, Minneapolis, Minn., assignor to H. D. Hudson Manufacturing Company, Chicago, Ill., a corporation of Minnesota
Application January 19, 1940, Serial No. 314,611
9 Claims. (Cl. 126—360)



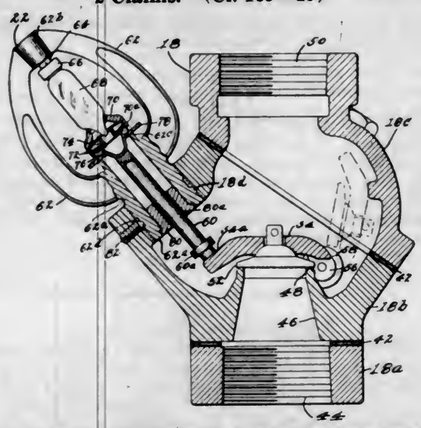
1. A heater comprising a downwardly extending flue, a plurality of lumps of solid refractory material supported in the path of gases flowing through said flue, said material being loosely packed so as to permit gases to flow downwardly therethrough and means for dripping oil downwardly onto the pieces of non-burnable material for ignition thereon, said pieces of refractory being positioned so that a central piece is in the path of the dripping oil so as to intercept and splatter the oil onto the surrounding pieces.

2,247,240
HAIR CURLER
Harry H. Klein, New York, N. Y.
Application March 22, 1940, Serial No. 325,279
13 Claims. (Cl. 132—41)



1. A hair curler having the combination of a cylinder for winding the hair therearound consisting of a pair of semi-cylindrical elements pivoted to each other near their ends, spring means normally compelling said elements to combine to a cylindrical form for gripping the hair between them preliminarily to its being wound around said cylinder, and said cylinder carrying means for retaining the wound hair thereon.

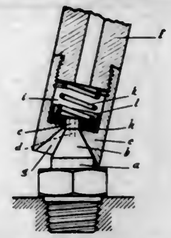
2,247,241
THERMALLY CONTROLLED VALVE
Ira W. Knight, Providence, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a corporation of Delaware
Application March 14, 1940, Serial No. 323,891
2 Claims. (Cl. 169—19)



1. A thermally controlled valve having a casing with a straight passageway including an inlet leading to a seat within the casing; a clapper adapted to rest on said seat to close said passageway against flow of fluid standing under pressure in said inlet; an arm pivotally mounted on the wall of said casing and engaging said clapper; a rod engaging said arm and extending outward through a hole in the wall of said casing; a yoke member having a hollow stem threaded into said hole in position for said rod to project into the hollow of said stem; a charged frangible bulb, adapted upon being heated to a predetermined temperature to destroy itself, resting against the outer end of said yoke member; and resilient means interposed between said bulb and said rod and arranged to yield as said yoke member is screwed into said hole; the resilient means, rod and clapper being moved by the pressure in said inlet to open said passageway upon the destruction of said bulb.

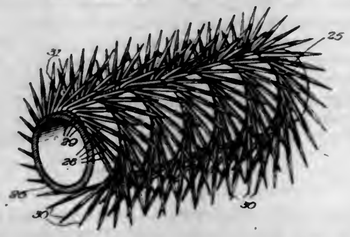
2,247,242
NIPPLE WITH COUPLING HEAD FOR HIGH PRESSURE LUBRICANT DEVICES
Hans Kreidel, Wiesbaden, Germany
Application July 1, 1939, Serial No. 282,358
1 Claim. (Cl. 285—161)

In a high pressure lubricant conduit, in combination, a hollow nipple comprising a body having the shape of a truncated cone, and a cylindrical head having a comparatively small outside diameter and constituting a continuation of the smaller end of said truncated cone; a hollow coupling head having a cavity for the lubricant formed therein, said cavity including an inner supporting surface, said coupling head having an outwardly diverging conical surface enclosing an open chamber communicating with said cavity, said conical surface having an angle of taper which is greater than the angle of taper of said truncated cone body, said truncated cone



body being situated within said chamber and adapted to engage a portion of said conical surface, and an elastic packing disc adapted to be compressed by the pressure of the lubricant, said packing disc being carried by said inner supporting surface of the coupling head and snugly embracing said cylindrical head which extends through an opening formed in the disc into said cavity, whereby said packing disc grips said cylindrical head when the pressure of the lubricant is increased and snugly fits around said cylindrical head, irrespective of the position of the coupling head relatively to the nipple.

2,247,243
HEAT EXCHANGE ELEMENT AND METHOD OF MAKING THE SAME
Richard W. Kritzer, Chicago, Ill., assignor to Thermek Corporation, Chicago, Ill., a corporation of Delaware
Application July 11, 1938, Serial No. 218,585
25 Claims. (Cl. 29—157.3)



1. A heat transfer element comprising a wall and spines integral therewith, consisting of rows of slivers of stock cut out of the face of the wall and having their outer portions bent to project from the wall and spread apart, the slivers in the rows having contiguous roots and longitudinally extending edges from the said face of the wall to their outer ends.

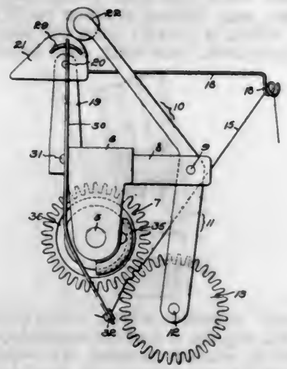
9. That improvement in making tubular heat transfer elements which comprises cutting from a tubular wall, a substantially contiguous row of spines having all of their longitudinal edges extending from the wall, leaving the roots of the spines integrally attached to the remainder of the wall and bending their free ends away from, and to project beyond, the periphery of the wall.

2,247,244

STRAND FEED-CONTROLLING MECHANISM FOR TEXTILE OR OTHER MACHINES

Robert H. Lawson, Pawtucket, R. I., assignor to Lawson Products, Inc., Pawtucket, R. I., a corporation of Rhode Island

Application June 28, 1939, Serial No. 281,547
55 Claims. (Cl. 66—132)



47. Strand feed-controlling mechanism for textile or other machines, comprising in combination, a set of gears having intermeshing teeth constituting strand-feeding surfaces and which entirely control the feed of a strand or strands so long as the same is engaged by said intermeshing teeth, a plurality of strand-receiving guide arms supported for movement consequent upon comparatively slight variations in strand-tension for effecting, without unmeshing said teeth, a change in the depth of mesh thereof, so that the strand or strands is or are constantly fed at a uniform tension while engaged by said teeth, whereby said mechanism feeds the strand or strands completely independent of any unevenness of tension in the strand or strands delivered from the original source of supply of said strand or strands, at least one of said gears having pendulum-like supporting means mounted to respond entirely freely and unrestrainedly to the stress of the strand or strands, whereby the rotary member carried by such supporting means may be swung with a pendulum-like motion toward and from the axis of another rotary member of said set, in accurate, free and unrestrained response to the stress of the strand or strands.

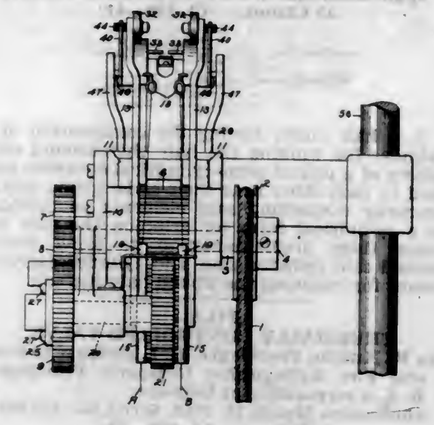
2,247,245

STRAND FEED-CONTROLLING MECHANISM FOR TEXTILE AND OTHER MACHINES

Robert H. Lawson, Pawtucket, R. I., assignor to Lawson Products, Incorporated, Pawtucket, R. I., a corporation of Rhode Island

Application January 24, 1940, Serial No. 315,391
46 Claims. (Cl. 66—132)

1. Strand feed-controlling mechanism for textile and other machine comprising in combination, a set of rotatable feeding members having interengageable toothlike formations, for feeding a strand or strands between them, at least one of said members being driven and at least one other of said members being a co-acting feeding member, means whereby, for predetermined cause pertaining to strand feed, the feeding relation of said rotatable members is interrupted by separation of said feeding members, and means for continuing the rotation of the co-acting feeding member or members during



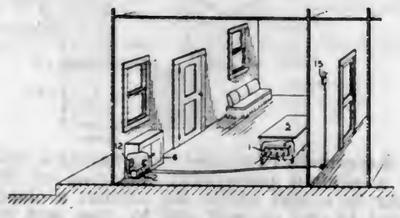
such period of non-feeding relation with the driven member or members.

2,247,246

MICRO-WAVE RADIO ALARM SYSTEM

Maxwell H. A. Lindsay, Summit, N. J., and Konstantin Woloschak, New York, N. Y., assignors to The American District Telegraph Company, New York, N. Y., a corporation of New Jersey

Application December 3, 1938, Serial No. 243,752
15 Claims. (Cl. 177—314)



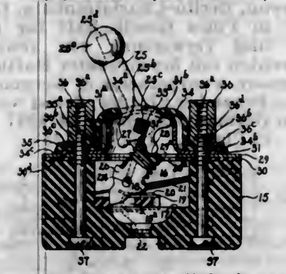
12. In combination, means for forming a protective alarm field of ultrahigh frequency radio energy, a radio energy alarm receiver for receiving said energy, means for amplifying received energy, a first rectifier connected to said amplifying means for converting the output of said means to direct current of predetermined polarity, a resistance-capacity circuit having a predetermined time constant connected to said rectifier for creating an electrical potential, a second rectifier for converting the output of said amplifying means to direct current of the opposite polarity, a second resistance-capacity circuit having a different time constant and connected to the second rectifier for creating a potential of opposite polarity, an output circuit including an alarm and means for coupling the time-constant circuits to the output and balancing said potentials with respect to each other for signals of long time duration resulting from instability of the field forming means and the receiver whereby signals of long time duration are nullified and signals of short duration cause a change of potential in said output circuit.

2,247,247

ELECTRIC SWITCH

George J. Meuer, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application October 7, 1938, Serial No. 233,828
12 Claims. (Cl. 200—76)



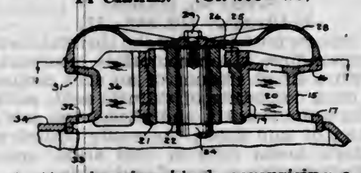
1. In an electric snap switch, in combination, an insulating base having a recess formed therein and opening to the upper surface thereof, stationary switch contacts located within and carried by the walls of said recess, contactor means also located within said recess, operating means including a pivoted lever projecting from said base, said operating means being adapted to effect snap movement of said contactor means into and out of bridging engagement with said contacts, a metal top plate secured to said base in sealing relation to the peripheral wall of said recess and having an opening to accommodate the projecting portion of said lever, and yieldable, resilient rubber-like means overlying the opening in said top plate and attached to the latter and acting by its own resiliency to closely surround the projecting portion of said lever intermediate the length of the latter to thereby completely seal off said recess against entry of foreign particles.

2,247,248

WIRE DRAWING BLOCK

Weld Morgan, Worcester, and John N. Whalen, Boylston, Mass., assignors to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts

Application September 13, 1939, Serial No. 294,696
14 Claims. (Cl. 205—20)



1. A wire drawing block comprising a central hub, an annular capstan portion surrounding the hub and spaced radially therefrom, a plurality of spokes extending outwardly from the hub to the capstan portion, the spokes being spaced apart to provide passages for the flow of air and a series of thin ribs extending inwardly from the capstan portion into said passages.

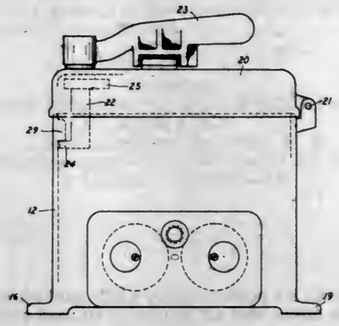
2,247,249

TELEPHONE INSTRUMENT CASING LOCK

Floyd Morton, Maywood, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Original application February 24, 1936, Serial No. 65,302. Divided and this application August 5, 1938, Serial No. 223,320
3 Claims. (Cl. 70—455)

1. A latching arrangement including a latch bolt having a latching position and an unlatching position, an operating handle for moving said latch bolt from its latching position to its unlatching position, said handle and said latch bolt forming a unitary structure, a lock having a keyway covered by said handle when said latch bolt



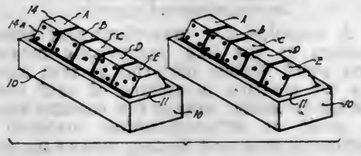
is in its latching position thereby to render said keyway inaccessible, and a bolt included in said lock and cooperating with said unitary structure to permit sufficient movement of said handle to uncover said keyway but not sufficient movement thereof to move said latch bolt to its unlatching position.

2,247,250

GAME

Joseph W. Patterson, Tulsa, Okla., assignor to Parker Brothers, Incorporated, Salem, Mass., a corporation of Maine

Application December 22, 1939, Serial No. 310,565
3 Claims. (Cl. 273—130)



1. A device for use in a game of the class described, comprising a set of prism-shaped blocks each having at least four faces bearing identifying indicia to distinguish one face from another, and an elongate tray-like support for removably holding said blocks in axial alignment so that each may be freely rotated independently of the others, the cross sectional shape of said support being such as to hold each of said blocks so that when the device is positioned between two opposing players, one of the upper faces is exposed only to one player, another of the upper faces is exposed to the other player, and the lower faces are concealed.

2,247,251

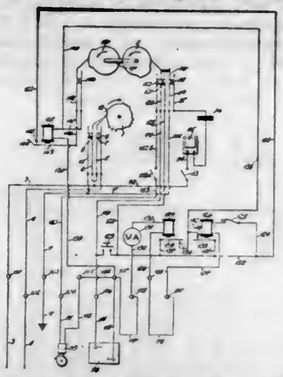
BURGLAR ALARM

Charles E. Potter, Richmond Heights, Mo.

Application December 31, 1937, Serial No. 182,688
12 Claims. (Cl. 177—369)

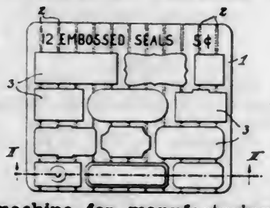
2. In a burglar alarm system, a control circuit, a settable spring operated code transmitter responsive to said control circuit, a power supply for said circuit, an automatic switch in said circuit connected and arranged to close the control circuit and connect it with said power supply upon the setting of the transmitter, a manually oper-

able test switch in parallel with said automatic switch arranged and adapted to connect said



circuit with its power supply while said automatic switch is open, and an ammeter in said circuit.

2,247,252
MANUFACTURE OF SEALS AND THE LIKE
Charles S. Price, Hollis, N. Y.
Application August 11, 1937, Serial No. 158,512
23 Claims. (Cl. 41—1)



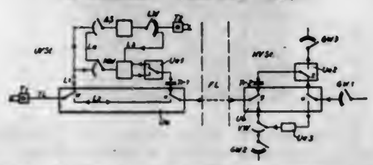
22. A machine for manufacturing sheets of characters or the like, comprising means for feeding sheet fibrous material to said machine, means for treating a surface of said material to render it tacky, means for coating one side of a sheet of article-forming material with remoistening glue and drying, means for feeding said article-forming material to said machine with its coated surface engaging the tacky surface of said fibrous material, means for printing and forming characters from said glue-coated material, said forming operation severing said characters from, but not cutting through said treated material, so that the characters are temporarily attached thereto by the tacky surface.

2,247,253
TIEBACK FOR CURTAINS
Bernard Rosenberg, Peekskill, N. Y.
Application January 31, 1941, Serial No. 376,764
4 Claims. (Cl. 156—33)



1. A tie-back for a draped curtain, comprising a strip of flexible material provided at one end with a fastener adapted to secure said end to the wall adjacent to the curtain, the other end of said strip being free, and a keeper carried by the strip adjacent to said fastener and adapted to receive said free end through it after the latter has been looped around the curtain, whereby the effective length of the tie-back is adjustable by passing more or less of said free end through said keeper.

2,247,254
AUTOMATIC TELEPHONE SYSTEM
Willi Schwenn, Berlin-Charlottenburg, Germany, assignor to Fides Gesellschaft fur die Verwaltung und Verwertung von gewerblichen Schutzrechten mit beschrankter Haftung, Berlin, Germany, a corporation of Germany
Application December 21, 1938, Serial No. 246,988
In Germany December 24, 1937
12 Claims. (Cl. 179—23)



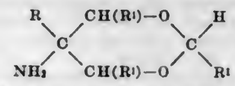
1. In an automatic telephone system, a sub-exchange having a local source of operating current, a main exchange, a trunk line interconnecting said exchanges, a sub-exchange subscriber's station, switching equipment in said sub-exchange controllable from said station for extending connections via said trunk line to said main exchange and controllable from said main exchange via said trunk line for extending connections to said station, means operated responsive to the failure of said local operating current for disconnecting said switching equipment and for connecting said station to said trunk line, and means in said main exchange operated responsive to said connection for feeding operating current over said trunk line to permit connections to be established between said station and said main exchange in either direction over said trunk line.

2,247,255
PROCESS FOR IMPROVING THE STABILITY OF NITROPARAFFINS
Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application February 12, 1940, Serial No. 318,630
15 Claims. (Cl. 202—57)

1. A process for improving the thermal stability of nitroparaffins, which comprises incorporating therewith a small amount of an acid compound of the class consisting of sulfuric acid, sulfamic acid, the sulfonic acids, and phosphoric acid, the acid salts of said acids, the easily hydrolyzable amphoteric metal salts of said acids, and the easily hydrolyzable esters of said acids.

2,247,256
CYCLIC ACETALS AND PRODUCTION THEREOF
Murray Senkus, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application April 26, 1940, Serial No. 331,770
8 Claims. (Cl. 260—338)

1. 5-amino-1,3-dioxanes having the structural formula:



wherein R is a member of the class consisting of

hydrogen, alkyl, and alpha-hydroxyalkyl, R^1 is a member of the class consisting of hydrogen, alkyl, aryl, and furyl.

2,247,257
CUT FILM HOLDER
Vernon P. Shelton, Chicago, Ill.
Application March 29, 1941, Serial No. 385,897
2 Claims. (Cl. 95—66)



2. A cut film holder for cameras comprising a body member having a face, a stationary detent directly fixed to the face of said body member adjacent the inner end thereof, a movable detent slidably attached to the face of said body member adjacent its outer end, a platform having side flanges to hold cut flim, means for resiliently supporting said platform above said body member, said movable detent in outermost position being free of contact with the outer end of said platform so as to permit loading of cut film on said platform, said stationary detent positioned to normally and directly engage the inner end of said platform and the inner end of loaded cut film inserted under said stationary detent, said movable detent in innermost position directly engaging the outer end of the loaded cut film and the outer end of said platform, said detents then defining the focal plane of the holder, and closure means for light tight engagement with said body member.

2,247,258
SURGICAL INSTRUMENT
Bernard J. Shepard, Brooklyn, N. Y., assignor to Kulite Corporation, New York, N. Y., a corporation of New York
Application December 12, 1938, Serial No. 245,109
1 Claim. (Cl. 128—16)



A dental or medical retractor comprising a rod of resin having high light transmitting properties, said rod having a straight portion adjacent one end with a polished surface, means for directing light into said end and said rod having a curved portion adjacent the opposite end, parts of the surface of said curved portion being roughened and the extreme end of said rod being bent at substantially a right angle to the portion of the rod immediately adjacent thereto to form a lip, the outer surface of said lip being concave to prevent slippage when in operative use.

2,247,259
METHOD AND COMPOSITION FOR MARKING ARTICLES
Foster Dee Snell, New York, N. Y., assignor to Foster D. Snell, Inc., a corporation of New York
No Drawing. Application March 28, 1939, Serial No. 264,666
11 Claims. (Cl. 250—71)

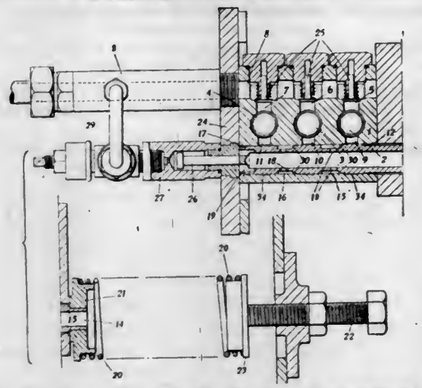
1. The method of treating an article including a member of skin which comprises impregnating the member with a solution containing a water-insoluble substance that when impregnated is invisible in ordinary light but adapted to fluoresce under the influence of light of short wave length and a liquid that is a solvent for the said substance and substantially inert chemically towards the said substance and member and then evaporating the solvent from the solution at a temperature below that of deterioration of the skin, the said substance being adsorbed by the skin and being largely retained within the skin when the solvent is evaporated.

2,247,260
SHADE STRUCTURE FOR WINDOWS AND THE LIKE
Abraham Stone, Brooklyn, N. Y.
Application August 28, 1940, Serial No. 354,470
9 Claims. (Cl. 156—16)



6. In a shade, a body unit including a transversely pleated accordion foldable panel and rigid attaching strips extending longitudinally of and secured to the upper and lower ends of the panel, and a rigid supporting bar adapted to be affixed to a supporting structure, said attaching strip and supporting bar having interengaging coupling means for detachably connecting the body unit to the supporting bar with the attaching strip and supporting bar extending longitudinally of each other.

2,247,261
UNLOADING VALVE FOR RECIPROCATING RAM PUMPS
John Maurice Towler and Frank Hathorn Towler, Yorkshire, England
Application May 23, 1940, Serial No. 336,874
In Great Britain March 6, 1939
9 Claims. (Cl. 103—42)



1. In a reciprocating ram pump, in combination with a pump bore, a ram reciprocable in said pump bore, inlet and outlet ports respectively leading to and from said pump bore, and a de-

livery main for pumped liquid discharged through the outlet port, a further outlet in the pump bore for by-passing pumped liquid, a by-pass valve for opening and closing said by-pass outlet, loading means acting on said by-pass valve to hold said valve closed, means actuated by fluid pressure and cooperating with said by-pass valve to open said valve against the pressure of said loading means and means connecting said by-pass valve operating means to the pump delivery main to cause said means to open said valve and to unload said ram pump when the pumped liquid in said main reaches a predetermined pressure in excess of that exerted by the loading means, thereby to stabilize the pressure in said delivery main.

2,247,262

COMPOSITION AND METHOD FOR TREATING MOLTEN METALS

Marvin J. Udy, Niagara Falls, N. Y.

No Drawing. Application May 28, 1940, Serial No. 337,678
17 Claims. (Cl. 75—24)

1. The method of producing a molten slag suitable for use in the purification of metals which comprises forming an exothermic reaction mixture consisting essentially of solid, substantially inert or non-reactive slag-forming material, solid silicon-containing reducing material and solid sodium nitrate, and igniting the reaction mixture.

2,247,263

PROCESS AND PRODUCT FOR THE PRODUCTION OF LOW-CARBON CHROMIUM ALLOYS

Marvin J. Udy, Niagara Falls, N. Y.

No Drawing. Application May 28, 1940, Serial No. 337,679
12 Claims. (Cl. 75—27)

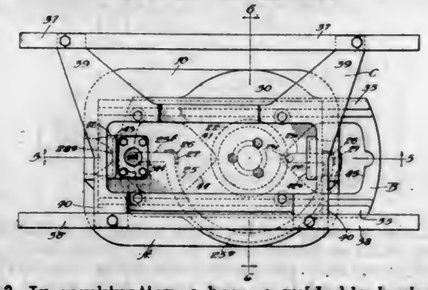
1. A reaction mixture suitable for use in the production of chromium alloys which comprises finely divided, solid particles of chromite ore and finely divided, solid particles of non-carbonaceous reducing material capable of reacting with compounds of iron and chromium contained in the chromite ore to produce metallic iron and metallic chromium intimately associated with and bonded together by means of oxidizing material capable of reacting exothermically with the reducing material to develop a temperature higher than that resulting from reaction of the reducing material with compounds of iron and chromium contained in the chromite ore.

2,247,264

REVOLVING CAR SEAT

Clarence A. van Derveer, Chicago, Ill., assignor to S. Karpen & Bros., Chicago, Ill., a corporation of Illinois

Application February 21, 1938, Serial No. 191,774
5 Claims. (Cl. 155—96)



3. In combination, a base, a guide block pivotally mounted on said base, a carriage slidably carried by said block, and means for controlling the relative movement of said carriage and block according to the angular position of said block relative to its pivot, said means including a track carried by said base having a curved portion and laterally extended end portions and a stud fixed to said carriage and adapted to engage said cam track, said means being adapted by reason of the shape of said track to guide said carriage laterally of said base when said stud engages either of the end portions of said track and being forced thereby to guide said carriage in angular movement while said stud engages the curved portion of said track.

2,247,265

FURNITURE JOINT WASHER

John T. Whalen, New York, N. Y.

Application February 23, 1940, Serial No. 320,294
2 Claims. (Cl. 85—50)



1. A washer for tightening the hook connection between a bed rail and post comprising a generally flat metal plate slotted to fit about the hook and having compressible corrugations for bearing against the post when the rail hook is attached thereto and forming spaces between the rail and said plate for the insertion of spacing rods.

2,247,266

CAPILLARY-ACTIVE SALT OF PYRIDINE BASES

Johan Pieter Wibaut and Johan Overhoff, Amsterdam, Netherlands, assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 14, 1939, Serial No. 251,032. In the Netherlands January 25, 1938
7 Claims. (Cl. 260—290)

1. A capillary-active agent, said agent being a water soluble acid salt of a water-soluble polybasic acid and a non-quaternary alkyl pyridine, said alkyl pyridine having directly attached to separate carbon atoms of the pyridine ring at least one alkyl group of less than four carbon atoms and an aliphatic carbon chain of at least ten carbon atoms, said alkyl pyridine being free from elements other than carbon, hydrogen and nitrogen.

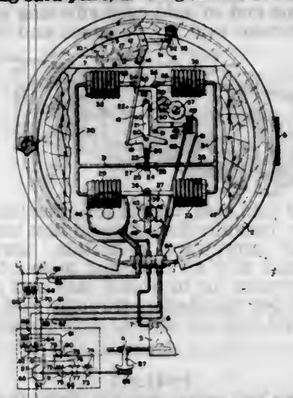
2,247,267

MEASURING AND CONTROL APPARATUS

Edwin C. Wiegmann, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application December 9, 1937, Serial No. 178,911
17 Claims. (Cl. 236—82)

17. In a control instrument, a member responsive to variations in a condition, means controlling said condition in response to movements of said member, said means including a proportioning system comprising a movable part, a pulsating pneumatic relay controlled by said member for moving said part, driving means for said relay,



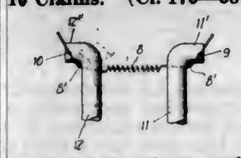
a pair of oppositely disposed bellows and means for alternately compressing and expanding said bellows to supply driving fluid for said driving means.

2,247,268

MINIATURE INCANDESCENT LAMP

Jean E. Witbeck, Nutley, N. J., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J., a corporation of Delaware

Application April 13, 1939, Serial No. 267,541
10 Claims. (Cl. 176—38)



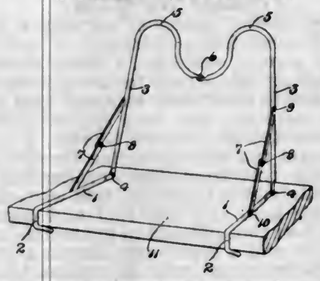
1. In a miniature electric incandescent lamp, a pair of filament support wires, a filament comprising integrally formed a coiled body and non-coiled leg portions, the leg portions being welded to said wires and having parts intermediate the welding points and the body portion which pass at least part way around and in close proximity to the peripheries of the filament support wires.

2,247,269

SEAT BACK

Karl L. Ashbacker, Ludington, Mich.

Application May 9, 1940, Serial No. 334,208
2 Claims. (Cl. 155—133)



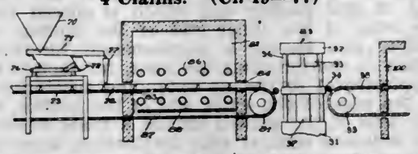
1. A construction of the class described comprising, two spaced apart rods adapted to be located horizontally in the same horizontal plane, downwardly extending hooks opening to the rear at the forward ends of said rods, two additional rods pivotally mounted one at each of the rear ends of the first mentioned rods, said additional rods at their opposite end portions being bent into return U-shaped bends toward each other and having their opposite ends bent toward each other to meet, means pivotally connecting said opposite ends together and two pairs of links, each pair of the links being pivotally connected together at one end, the other ends of said links being pivotally connected respectively to said first and said second mentioned rods, as specified.

2,247,270

SILICEOUS BODY

George J. Bair, Pittsburgh, Pa., assignor to Norbert S. Garbisch, Butler, Pa.

Application August 11, 1938, Serial No. 224,368
4 Claims. (Cl. 49—77)



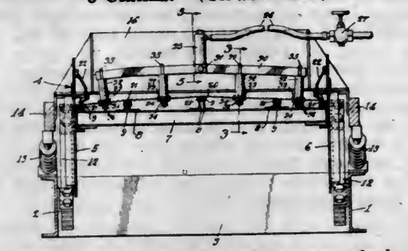
1. A process of preparing relatively dense and strong artificial siliceous bodies, which process comprises heating waste sand from the grinding and polishing of glass plates and comprising particles of silica from the sand admixed with particles of glass abraded from the glass plates, the mixture being of a particle size to pass a screen of about 325 mesh and containing about 12 to 20 per cent of glass abraded from the glass plates, to a temperature above the sintering point of the glass content and approximately within the range of 1600 to 1800 degrees F., then placing the heated mixture in a strong mold and while it is still heated subjecting it to intense mechanical pressure of about 1000 lbs. per sq. inch and upward, in order to compact the mass and to embed the particles of silica in the particles of sintered glass, then annealing and cooling the resultant body and removing it from the mold.

2,247,271

SCREEN AND MEANS FOR PREVENTING BLINDING THEREOF

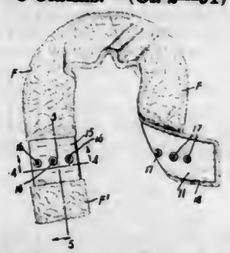
Richard Barlow, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application January 6, 1940, Serial No. 312,669
3 Claims. (Cl. 209—310)



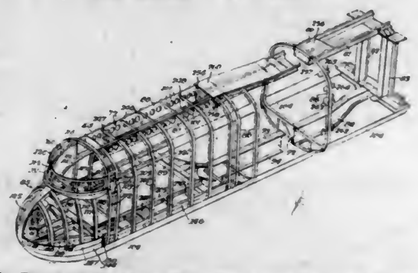
1. In a screen structure, a screen deck and means for imparting a screening vibration thereto, screen mesh on said deck, and additional means for imparting an additional vibration to said mesh, said additional means including a pneumatic vibrator and means for actuating it, said pneumatic vibrator being supported upon the screen mesh.

2,247,272
FUR MUFFLER
Harold Becher, Brooklyn, N. Y.
Application October 28, 1939, Serial No. 301,688
3 Claims. (Cl. 2—91)



1. A muffler having a main fur-facing which extends substantially to the edge of the outer end of said muffler and which is spaced from the edge of the inner end of the muffler, the muffler also having a supplemental fur-facing which is shorter than the main fur-facing, the supplemental fur-facing extending substantially to the edge of the inner end of the muffler, the fair side of the muffler having a space between the adjacent ends of said fur-facings, separable fastener means located in said space, cooperating fastener means located on the rear face of the muffler.

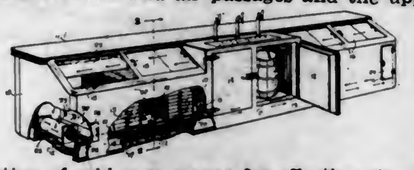
2,247,273
FRAMING
Martin P. Blomberg, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application March 26, 1934, Serial No. 717,420
38 Claims. (Cl. 105—2)



1. In a railway car, substantially rigid trapezoidal framework having its plane of resultant stresses lying substantially in the vertical plane through the longitudinal center line of the car and being of sufficient strength to carry the greater part of the car load, said framework including a top sill, a center sill, and means including an end post joining the top and center sills at one end, and a composite nose framework joining the top and center sills at the other end, said end post and nose framework constituting the main support for supporting said top sill from said center sill.

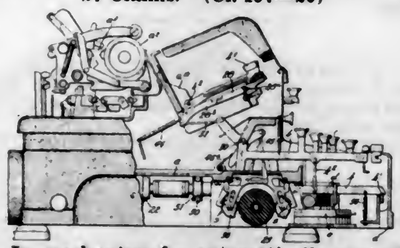
2,247,274
REFRIGERATED DISPLAY CASE
Jack J. Booth, Dallas, Tex.
Application December 23, 1940, Serial No. 371,256
6 Claims. (Cl. 62—89.5)

1. In a refrigerated merchandise display case having insulated walls, top and bottom, means defining an air passage along the bottom of said case substantially the length thereof, a refrigerating coil in said passage, a louvered false bottom defining an air duct for passage of air counter to that in said first air passage, a vertical air duct at one end of said case effecting communication between said air passages and the upper



portion of said case, means for effecting circulation of air normally through said first passage for return by downward deflection toward and through said first air duct and means for introducing external air into said case and confining the same for circulation through said first air passage and first air duct to defrost said coil.

2,247,275
AUTOMATIC MOTORIZED TYPEWRITER
Arthur H. Buckley, Chicago, Ill.
Application February 23, 1939, Serial No. 257,775
27 Claims. (Cl. 197—20)

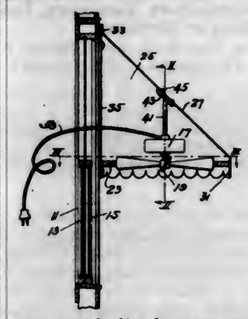


3. In mechanism for automatically controlling a motorized typewriter comprising a set of keys and type-bars, means controlled by the keys for operating the type-bars and a main frame within which the keys are mounted, the combination of a series of permutably and longitudinally movable bars mounted within and above the bottom of said frame, means controlled by said bars for selectively and individually controlling the operation of the keys, a record tape, and devices mounted within the frame and directly beneath the bars, permutably controlled by the tape, and for controlling the bars.

2,247,276
AWNING FAN
Opal W. Chase, Little Rock, Ark.
Application October 25, 1940, Serial No. 362,738
3 Claims. (Cl. 98—94)

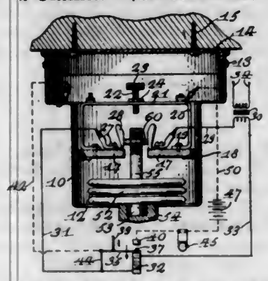
1. In ventilating means for use with a window opening having frame members, a unit comprising an awning structure, a motor driven fan carried thereby and means for detachably securing said unit to said frame member; said awning structure including side bars spaced apart and a transverse top bar secured thereto, a roof secured to said top bar, extending forwardly and downwardly therefrom and terminating in a substantially vertical valance, side walls secured to said side bars and said roof and depending from said roof substantially to the bottom level of said valance and a diaphragm having a circular opening therethrough, said diaphragm being intimately secured to said roof valance and the lower portion of said side walls; said fan unit including a supporting bracket secured to said roof,

and a vertical shaft motor supported by and depending below said bracket, said motor shaft carrying fan blades substantially at the level of



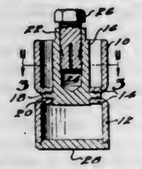
said diaphragm, said diaphragm opening being concentrically disposed with relation to said fan shaft and of size to loosely surround said blades.

2,247,277
FIRE ALARM APPARATUS
Jamil C. Cid, Montreal, Quebec, Canada
Application June 19, 1939, Serial No. 279,889
2 Claims. (Cl. 200—140)



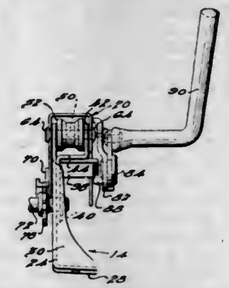
1. In a fire alarm apparatus switch, a vented casing, an expansible heat responsive element mounted in the casing, a stem secured to said element and adapted to follow the movements thereof, a pair of wide spaced contacts disposed symmetrically with respect to the stem, means on said stem for shorting the contacts during the first expansion stage of the element, and an auxiliary contact above the spaced contacts and adapted to engage the end of the stem after said last shorting means have moved out of engagement with the spaced contacts.

2,247,278
VALVE TAPPET
Robert H. Daisley, Birmingham, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Continuation of application Serial No. 206,072, May 4, 1938. This application March 16, 1940, Serial No. 324,440
12 Claims. (Cl. 123—90)



1. A valve tappet comprising a pair of hollow cylindrical members, inwardly turned wall portions at one end of each of said members, said members being arranged in end to end relationship with the inwardly turned wall portions thereof adjacent and fixed with respect to each other, and an end member secured to and closing that end of one of the first mentioned members opposite the flanged end thereof.

2,247,279
SEAT SLIDE STRUCTURE
Maurice J. Gieleghem and Willard F. Thoma, Detroit, Mich., assignors to National Stamping Company, Detroit, Mich., a corporation of Michigan
Application March 9, 1939, Serial No. 260,803
7 Claims. (Cl. 155—14)



1. In a seat slide construction, in combination, a supporting part including a pair of longitudinally spaced feet having planar upper end portions, a Z-sectioned member rigidly interconnecting said feet by securement of one vertical flange thereto and having a second vertically directed flange portion thereof arranged in laterally spaced and parallel relation with respect to the upper ends of said feet, a roller disposed between each of the upper ends of said feet and said second flange portion, an axle for said roller extending between and supported by each of said upper ends of said feet and said second flange portion, and an inverted channel sectioned slide member received over said rollers and bearing thereon.

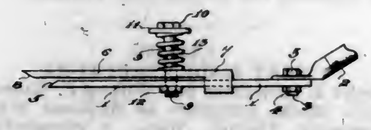
2,247,280
STABILIZING FATTY COMPOSITIONS
George D. Martin, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 21, 1939, Serial No. 285,767
6 Claims. (Cl. 23—250)

1. A fatty oil having incorporated therein a neutral phosphate of a polyhydric phenol in an amount sufficient to preserve said fatty oil.

2,247,281
STABILIZING FATTY COMPOSITION
George D. Martin, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 22, 1939, Serial No. 269,413
7 Claims. (Cl. 23—250)

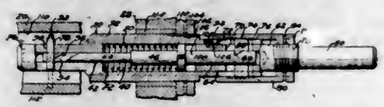
1. An oxidizable fatty material having incorporated therein a di-biphenyl amine in an amount sufficient to retard the development of color and rancidity to a substantial degree.

2,247,282
GROUND CLAMP FOR ELECTRICAL WELDING MACHINES
Andrew L. Webb, Beaumont, Tex.
Application November 26, 1939, Serial No. 305,338
1 Claim. (Cl. 173—273)



A ground clamp for electrical welding machines comprising a piece of material of continuous straight, flat elongated form and providing a strip, a rectangular-shaped loop formed on one end of the strip, a second piece of material of continuous straight, flat elongated form and providing a companion strip for the first-mentioned strip, the second or companion strip being longer than the strip with the rectangular-shaped loop and adapted to be passed through the rectangular-shaped loop, both strips lying normally in parallel spaced relationship, the outer or engaging end of the first-mentioned strip projecting beyond the engaging end of the companion strip, the engaging end of both strips being beveled, means for connecting a cable to the companion strip, and a bolt means mounted in apertures in the strips intermediate their ends, a spring mounted on the bolt means whereby to resiliently secure said first-mentioned strip to said companion strip.

2,247,283
BORING TOOL
William K. Young, Detroit, Mich., assignor to Eclipse Counterbore Company, Detroit, Mich., a corporation of Michigan
Application March 22, 1939, Serial No. 263,469
8 Claims. (Cl. 77—58)



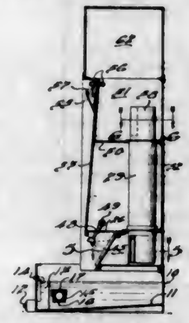
1. In a boring tool, in combination, a main body portion having a bore therein and provided with an opening extending transversely therethrough, a plunger axially slidably received in said bore, a cutter blade slidably received in said opening for movement longitudinally thereof, said plunger and blade cooperatively engaging each other for simultaneous movement in the direction of their respective lengths, a shank member axially movably associated with respect to said main body in supporting relation with respect thereto, a nut member rotatably and axially slidably mounted with respect to said main body, a stop member carried by said shank in normally fixed relation with respect thereto and serving to limit movement of said nut member axially in one direction, and means interconnecting said nut and plunger for equal movement axially of said main body so constructed and arranged as to vary the position of said plunger axially of said nut upon rotation of said nut whereby to enable the axial relation of said nut and plunger to be varied.

2,247,284
BORING TOOL
William K. Young, Detroit, Mich., assignor to Eclipse Counterbore Company, Detroit, Mich., a corporation of Michigan
Application March 22, 1939, Serial No. 263,470
15 Claims. (Cl. 77—58)



1. In a tool of the class described, in combination, a main body portion having a bore therein and an opening extending transversely therethrough, a plunger axially reciprocably received in said bore, a cutter blade guided for movement in said opening and being projectable and retractable with respect to the axis of said main body portion, means interconnecting said cutter blade and plunger for effecting simultaneous movements thereof in the direction of their respective lengths, means for supporting said main body portion movable axially with respect thereto, a releasable connection between said supporting member and said plunger for effecting equal axial movement of said plunger with said supporting means in one direction, and means cooperable with said connection during relative axial movement between said supporting member and said main body member for moving it to released position.

2,247,285
GAS CLEANER
Frederick P. Bingman, Birmingham, Mich., assignor to R. C. Mahon Company, Detroit, Mich., a corporation of Michigan
Application November 2, 1938, Serial No. 238,447
2 Claims. (Cl. 183—22)



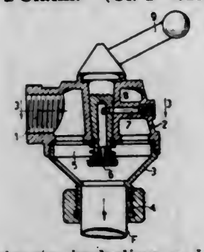
1. In a gas cleaner, a liquid tank, a substantially horizontally disposed drain plate supported by said tank in spaced relation above the liquid level thereof, a substantially vertically disposed eliminator tube having an open lower end in closely spaced relation above said drain plate, said tube having a tangential inlet opening adjacent the lower end thereof, walls forming a chamber surrounding said inlet opening, one of said walls having an orifice therethrough for entry of the gas to be cleaned, means for introducing a liquid into the gas to be cleaned, and means for moving the gas and liquid into the lower end of said tube mainly through said tangential opening, and upwardly in said tube, tangential walls adjacent said tangential opening for directing the gas and liquid in a helical path within said tube, whereby the liquid is eliminated from the gas by centrifugal force, and the eliminated liquid will drain from the lower end of said tube onto said drain plate and thence into said tank.

2,247,286
SHUTTLE TENSION
George A. Buffington, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 25, 1940, Serial No. 325,794
7 Claims. (Cl. 139—215)



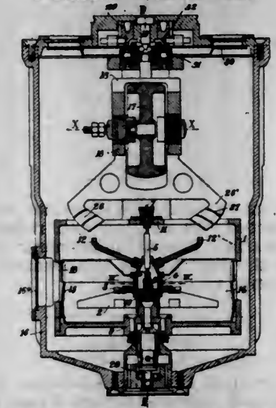
7. In a loom shuttle having a wound mass of weft, a shuttle eye block having a vertical thread slot extending longitudinally of the shuttle, a lever pivoted to the lower part of the block and extending forwardly across the bottom of the thread slot, an upright thread tension arm on the lever located in front of the thread slot and having a free upper end, means to direct a thread when drawn taut and forwardly downwardly and against the arm to cause forward swinging of the lever, and a depending apron on the upper part of the shuttle eye block hanging downwardly to a position below said free upper end of the tension arm and extending from a position in front of to a position behind the upright thread tension arm to prevent the thread from passing over the top of said tension arm, the thread being held above the lever and below the apron.

2,247,287
DEVICE FOR THE SUCTION OF FOUL AIR FROM WATER-CLOSET BASINS
Ezio Ceccato, Milan, Italy, assignor to Luigi Biancelli, Milan, Italy
Application August 24, 1938, Serial No. 226,545
In Italy September 29, 1937
1 Claim. (Cl. 4—215)



In water-closets including a basin, a wash-down pipe and a discharge pipe for said basin, means in communication with said wash-down pipe and said discharge pipe for carrying off foul gases from said basin through said wash-down pipe, comprising a casing, an inlet leading from said wash-down pipe, an outlet in said casing leading to said discharge pipe, a jet nozzle for creating a suction in said casing, a conduit for introducing water to said nozzle, valve-means for controlling the water discharge from said nozzle and for controlling the passage of water through the casing including a chamber within the casing, a cock rotatably mounted into the chamber and carrying the nozzle, the chamber being provided with at least one aperture through which liquid passes from the inlet to the outlet, and means carried by and operable with the cock for regulating the passage of liquid through the chamber, the cock also acting to control the passage of fluid through the jet, the arrangement being such that when the jet is closed passage of the liquid through the chamber is also prevented.

2,247,288
GYROMAGNETIC COMPASS
Jacques Delsue, Paris, France, assignor to Société Anonyme: Ateliers J. Carpentier, Paris, France
Application June 3, 1939, Serial No. 277,274
In France June 4, 1938
5 Claims. (Cl. 33—222)

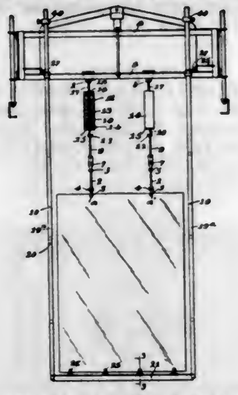


1. A gyro-magnetic compass comprising, a closed casing from which air may be exhausted, an orientation frame pivoted in said casing about a vertical axis, a magnetic unit mounted within said frame for independent movement about said vertical axis, a bell-shaped member within said casing connected to rotate with said unit and having two diametrically opposed nozzles directed upwardly in the vertical plane of said unit, there being an air passage leading from the exterior of said casing to said nozzles, a gimbal frame pivotally mounted about a horizontal axis in said orientation frame, a gyroscopic rotor pivotally mounted in said gimbal frame for spinning about an axis normally in the vertical magnetic plane of said unit, means spinning said rotor, a support rigid with said gimbal frame and having blades respectively arranged above said nozzles each normally equally intercepting a respective jet and so arranged as to receive the impulse of said jets only over a small angle of relative azimuthal deviation between the gyro spin axis and magnetic unit, a stabilizing device having means forming opposed horizontal air jets carried by the orientation frame, and shielding means on the gimbal frame normally equally intercepting each jet for urging the gyro spin axis to normally horizontal position.

2,247,289
PROCESS FOR SUSPENDING GLASS PLATES
Georges Paul Despret, Paris, France, assignor to The American Securit Company, Washington, D. C., a corporation of Delaware
Original application March 23, 1936, Serial No. 70,479, now Patent No. 2,156,011, dated April 25, 1939. Divided and this application October 13, 1938, Serial No. 234,832. In France March 28, 1935
2 Claims. (Cl. 49—77)

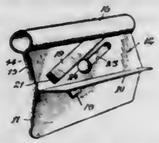
1. The method of supporting a sheet of glass

for heating preliminary to tempering which consists in supporting the sheet from above and restraining the sheet against lateral movement during the initial heating and through the tem-



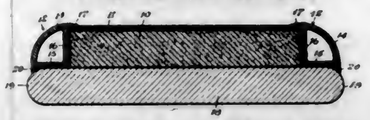
perature range at which the sheet has a tendency to distort under the heating and removing the restraint against lateral movement from the sheet upon the increase in temperature thereof above the range of distortion.

2,247,290
PACKAGE OPENER
Hamilton Grinnell Disbrow, Madison, N. J., assignor to International Safety Razor Corporation, Bloomfield, N. J., a corporation of New Jersey
Application June 27, 1939, Serial No. 281,317
1 Claim. (Cl. 30—2)



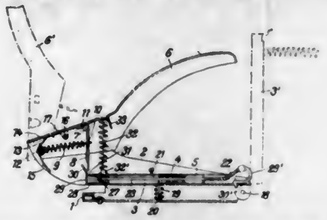
A package opener comprising a handle portion formed of two parallel proximately positioned metallic plates integrally connected at their upper edges by means of a resilient tubular portion which permits the plates to be spread apart, a guide head comprising two diverging guide plates integrally connected to the lower edges of the plates of the handle portion, and a single edge razor blade formed with a backing strip disposed at an angle between the two plates of the handle portion with a portion of the cutting edge depending downwardly and exposed at the central point between the guide plates when in operative position, and means for releasably holding the razor blade in position and providing for the adjustment thereof comprising an aperture in the razor blade, a pair of angularly disposed slots in the respective plates of the handle portion, means extending through the aperture and said slots for shifting the razor blade along the slots and for retaining it in adjusted position, and a second pair of angularly disposed slots formed in the respective plates of the handle portion and parallel to the first-mentioned pair of slots for accommodating the backing strip of the razor blade, said last-mentioned pair of slots being of sufficient length to permit of adjustment of the razor blade, and the tubular portion of the handle of the package opener being provided with an opening at the top thereof positioned in the line of projection of the second-mentioned pair of slots for accommodating the upper corner of the razor blade so as to permit the cutting edge to be completely encased in the handle when in inoperative position.

2,247,291
COVERING PAD
William Doig, New York, N. Y.
Application February 28, 1940, Serial No. 321,188
5 Claims. (Cl. 155—166)



4. A covering pad for a kneeling bench or the like comprising a foundation layer made of relatively soft flexible porous rubber, a surface layer made of relatively flexible dense rubber secured to the top of the foundation layer, and a protecting strip secured to and covering one of the side edges of the foundation layer, said protecting strip having an arcuate convex outer surface extending substantially from a plane adjacent the top of the surface layer to a plane at least as low as the bottom of the foundation layer and having a lower wall in substantially the same plane as the lower surface of the foundation layer and which is formed with a tapered depending lip adjacent the outer edge thereof.

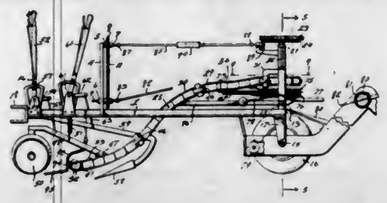
2,247,292
PLIERLIKE STAPLING MACHINE
Siegfried Eps, Munich-Allach, Germany, assignor to "Rikur" K. Kurt Richter, G. m. b. H., Holzhausen, near Leipzig, Saxony, Germany, a corporation of Germany
Application June 1, 1939, Serial No. 276,885
In Germany June 15, 1938
16 Claims. (Cl. 1—49)



1. A plier-like stapling tool comprising a pair of arms pivotally connected to each other, a staple feed carrier pivotally mounted on one of said arms, and frictional resistance means on said arms whereby the other arm and the carrier are capable of being moved, upon overcoming the frictional resistance of said means, to swing the carrier to a position in which the staple feeding end of the carrier is completely accessible.

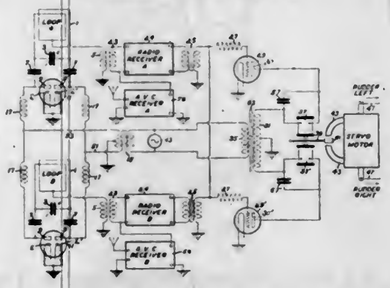
2,247,293
BEET HARVESTER
Walter J. Flintjer, Cheyenne, Wyo.
Application July 29, 1939, Serial No. 287,420
16 Claims. (Cl. 55—108)

1. A beet harvesting machine, comprising a horizontal body frame having wheel supporting means at its rear end, means at the other end of the frame for attaching the same to a draft machine, a beet elevator structure supported at one end in said frame and extending forwardly and downwardly to have its other end in close proximity to the ground, a pair of ground engaging wheels disposed forwardly of and connected with and supporting the forward end of the elevator, said pair of wheels functioning to vertically shift the adjacent end of the elevator in accordance with variations in the contour of



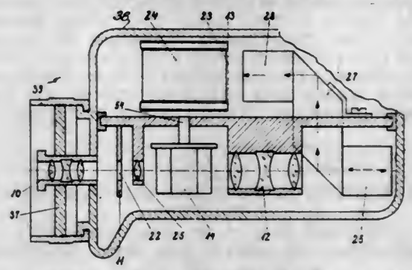
the ground, said elevator being constructed and arranged to grip the tops of beets and to raise the same and carry them rearwardly, plow means carried by the frame for lifting the beets from the ground, and means disposed in close proximity to the ground and immediately in advance of the elevator for lifting the beet tops from the ground whereby said tops may be conveniently picked up by the elevator.

2,247,294
RADIO DIRECTIONAL CONTROL FOR AIRCRAFT
Ralph W. Goble and Oliver V. Phillips, Long Beach, Calif., assignors to Leo M. Harvey, La Canada, Calif.
Application January 20, 1940, Serial No. 314,854
6 Claims. (Cl. 250—2)



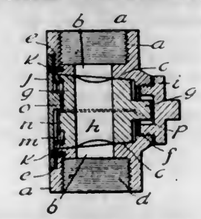
1. Radio control apparatus for a dirigible vessel comprising a pair of directional antenna systems for mounting on said vessel with their receptional axes of symmetry parallel with the longitudinal axis of said vessel, a radio receiver associated with each of said antenna systems, means for adding algebraically the output currents of said radio receivers, means for effectively reversing the sense of the output current delivered from each of said receivers in accordance with the reception of radio waves from one or the other side of said axis of symmetry, whereby a signal received from the right of said vessel on either of said antenna systems will produce an output current effectively of one sign while a signal received from the left of said vessel will produce a current effectively of opposite sign, a separate receiver and a non-directional antenna associated with each of said previously mentioned receivers and connected to maintain the amplification thereof substantially in inverse ratio to the intensity of signal received thereby, and means responsive to the sign of the sum of the output currents from said first mentioned receivers for operating the steering mechanism of said vessel.

2,247,295
CINEMATOGRAPHIC APPARATUS
Paul Heinisch, Berlin-Zehlendorf, Germany, assignor to Askania-Werke A. G., a corporation of Germany
Application April 25, 1939, Serial No. 269,995
In Germany April 28, 1938
4 Claims. (Cl. 88—16.8)



1. Cinematographic apparatus having optical compensation comprising, in combination, a first objective producing a real image in a first image plane, a second objective arranged behind the image plane of the first objective and producing a real image in a second image plane of the image created in the first plane, a continuously actuated film advancing drum continuously moving the film through this second image plane, the distance converted as if in air, between the second objective and the second image plane being essentially greater than said distance between the second objective and the first image plane, a continuously rotating compensating prism, having equal surfaces, arranged between the first and the second objective, means for actuating the prism, the prism and the film advancing drum being arranged on a common shaft, and optical means arranged between the prism and the second image plane for deflecting the ray path.

2,247,296
TAP, VALVE, AND THE LIKE
Arthur George Holtam, Cheltenham, England
Application December 6, 1940, Serial No. 368,956
In Great Britain May 4, 1939
1 Claim. (Cl. 251—91)



A gas tap comprising a generally cylindrical body having a passage extending longitudinally therethrough and being threaded at its ends for connection with a gas supply pipe and with a service branch, a frustro-conical bore in said body the axis of which is transverse to the axis of the body, a plug adapted to fit into said bore and having a port therein cooperating with the passage in the body, said plug being shorter than said bore and being provided at its smaller end with a

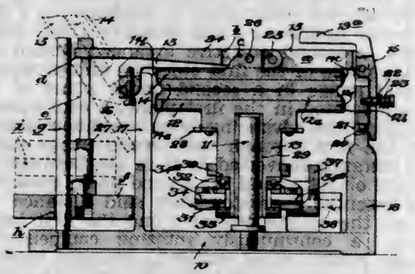
projecting operating part of angular section, a boss on said body surrounding the small end of said bore defining an internally screw-threaded opening, a chambered sealing cap having a part screwed into said opening and housing the operating part of said plug and at the same time sealing the bore at that end, a second sealing means formed to fit in a recess in the wall of the body at the large end of the bore, a semi-circular abutment integral with the large end of the tapered plug and being arranged adjacent a quadrantal projection on the inner face of the sealing means at the large end of the bore, the projection being provided with two flat faces at right angles to each other with which the flat face of the semi-circular abutment will engage after it has moved through a right angle in either direction, and resilient means between the second sealing means and the large end of the plug adapted to resiliently seat the plug in the bore.

2,247,297

MACHINE FOR TESTING AND MATCHING COLORS

Charles E. Hoover, Jr., Maplewood, N. J.

Application September 8, 1939, Serial No. 294,029
8 Claims. (Cl. 73—51)



1. A mulling device for testing or matching samples of pigment for color or shades of color, comprising a frame, a pair of superposed mulling members arranged in cooperative relation and having opposed flat smooth mulling surfaces, each surface being continuous or unbroken within its perimeter, one of said members being mounted on said frame to have a rotary motion and to have a reciprocating motion to and from the other mulling member, means for rotating said rotatably mounted member, and means for reciprocating said rotatably mounted member for permitting the raising and lowering of said last mentioned member into and out of cooperative mulling relation with said other member, means movably mounting said other mulling member on said frame whereby the mulling surfaces of said members may be exposed or moved into relative cooperative mulling positions, means for yieldably mounting said other mulling member.

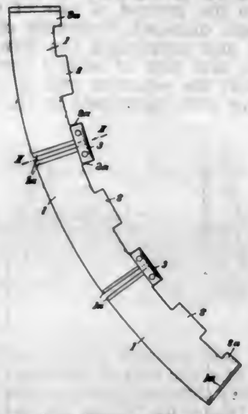
2,247,298

MULTIPLE DISK BRAKE, COUPLING, AND THE LIKE

Hans Kattwinkel, Radebeul, Germany

Application September 14, 1938, Serial No. 229,959
In Germany September 29, 1937
5 Claims. (Cl. 192—107)

1. An annular disk for friction couplings, brakes and the like comprising a plurality of separately made plane ring-shaped sectors of sheet metal having their adjacent ends closely spaced, lugs projecting radially from the adjacent ends of each two sectors, and means for rigidly connecting the lugs at the ends of each



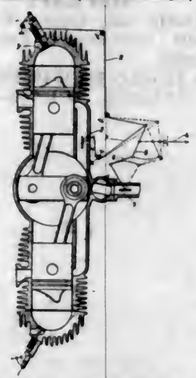
two sectors and uniting said sectors to form a unitary self-supporting sub-divided annular body.

2,247,299

TWO-CYLINDER TWO-STROKE ENGINE

Miloš Klavík, Prague-Smichov, Czechoslovakia

Application February 3, 1939, Serial No. 254,461
In Czechoslovakia January 17, 1938
2 Claims. (Cl. 123—56)



1. In a two-stroke two-cylinder engine, a main throttle, a valve for closing the supply of fuel to one cylinder, a decompression valve for the same cylinder and a push rod and lever operatively connected together, a cable connected to the supply valve and decompression valve and to one end of the lever and a cable connected from the other end of the lever to the throttle, the action of the push rod and first-mentioned cable on the supply valve and decompression valve only commencing at a predetermined position of the throttle.

2,247,300

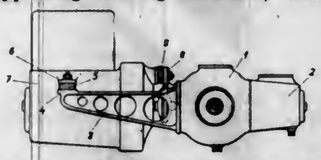
DRIVING UNIT FOR AUTOMOBILES

Miloš Klavík, Prague-Smichov, Czechoslovakia

Application July 26, 1939, Serial No. 286,718
In Czechoslovakia April 11, 1938
1 Claim. (Cl. 180—54)

In a driving mechanism for automobiles, a motor having a casing and constituting a single unit, an axle-drive having a casing and a gear casing integral with said axle-drive casing, a

forked bracket rigidly secured to said axle-drive casing and extending in a diametrically opposite direction to said gear casing, lugs on the sides of said motor casing, said forked bracket having supporting bearing elements, resilient bearing elements disposed between said lugs and said supporting bearing elements, means to secure said lugs and said resilient bearing elements to said supporting bearing elements, said forked



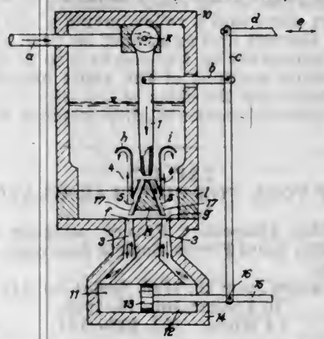
bracket having a foot and said motor casing having a bearing element between which and said foot is secured a resilient bearing element, said motor being spaced from said axle-drive casing, and flexible means located in said space for connecting the motor shaft to the axle-drive shaft, the mounting connections between said bracket and said motor casing all being located above a plane containing the motor and axle-drive shafts.

2,247,301

MEANS FOR CONTROLLING PRESSURE FLUID

Otto Lesser, Berlin-Wilmersdorf, Germany, assignor to Askania-Werke A. G., a corporation of Germany

Application June 7, 1938, Serial No. 212,336
In Germany June 9, 1937
16 Claims. (Cl. 121—38)



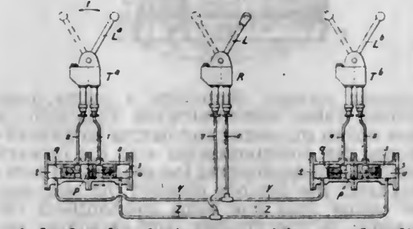
1. For a device operated by pressure fluid, pressure fluid controlling means comprising a conduit serving for the flow of pressure fluid to and from the device to be operated, a pressure fluid inflow channel directed into said conduit and towards the end of the latter adapted to deliver to the device to be operated, and the inflow channel having that part adjacent the conduit angularly disposed with reference to the axis of the portion of the conduit adjacent the position of entry of the channel means to the conduit, said conduit also having, adjacent the said position of entry of inflow stream an uncontrolled discharge port for the pressure fluid on its return flow, said port being constantly open and constantly subject to atmospheric pressure, said conduit always communicating with said open port and the portion of said conduit adjacent to the entry of said inflow channel thereto, and between the latter and the end of the conduit adapted to deliver to the device to be operated, being adapted to direct the outflow stream of pressure fluid across the conduit entry end of said inflow channel to said discharge port so as to prevent the major portion of the outflow stream from entering said inflow channel.

2,247,302

HYDRAULIC REMOTE CONTROL DEVICE

René Lucien Lévy, Paris, France, assignor to Société d'Inventions Aéronautiques et Mecaniques S. I. A. M., Fribourg, Switzerland

Original application September 12, 1938, Serial No. 229,637. Divided and this application June 29, 1940, Serial No. 343,308. In France September 29, 1937
1 Claim. (Cl. 60—54.5)



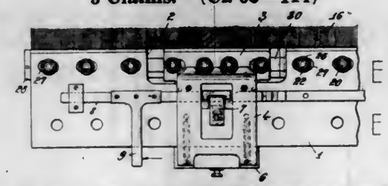
A hydraulic device comprising a plurality of transmitting stations, a receiving station, two pipes issuing from each transmitting station and connected to the receiving station, and to the other transmitting stations, an irreversibility box connected to the two pipes of each transmitting station, a floating piston mounted in said box, said two pipes opening on either side of said piston, and two valves respectively actuated by the two opposite faces of said piston, the outer compartments of said valves being connected to the other transmitting stations and to the receiving station.

2,247,303

NEEDLE BAR FOR FLAT HOSIERY MACHINES

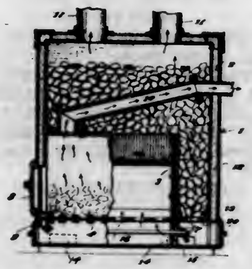
Karl Richard Lieberknecht, Oberlungwitz in Saxony, Germany

Application July 1, 1938, Serial No. 217,065
In Germany July 3, 1937
5 Claims. (Cl. 66—114)



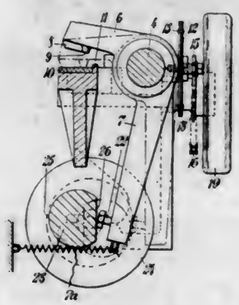
4. In a needle bar composed of two end supporting sections and a central supporting section movable with relation thereto, a plurality of pairs of removable and interchangeable needle holding units, each of a different width paired on said end supporting sections, and additional paired removable needle holding units on said central supporting sections, and of still different widths, said paired needle holding units on the central supporting section being arranged to be freely interchangeable in any order with the pairs of holding units on the end supporting sections, whereby a plurality of different proportionate lengths of the two end needle sections with respect to the central needle section may be determined by the difference in length of the interchangeable pairs of needle holding units.

2,247,304
STORAGE FURNACE
Matti Mela, Miami Beach, Fla.
Application October 13, 1939, Serial No. 299,378
1 Claim. (Cl. 126—99)



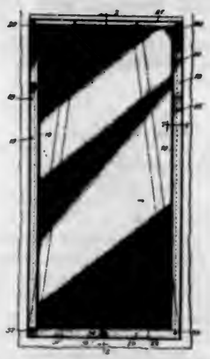
A storage furnace comprising a casing, heat conducting tubes communicating therewith, a fire-box within the casing and having an upwardly inclined flue communicating with the forward end thereof and discharging the products of combustion from the fire-box through the rear wall of the casing, said flue being substantially the same width as the fire-box, and extending the full length thereof, said fire-box and flue being spaced from the walls of the casing, a grid in the space between said walls and fire-box, said casing having air openings therein communicating with the space below the grid, heat absorbing and dissipating material surrounding the fire-box and flue and supported in part by the grid, whereby air entering the openings will pass upwardly through the material for discharge in a heated state from the heat conducting tubes.

2,247,305
APPARATUS FOR CUTTING AND/OR MARKING BUTTONHOLES AND EFFECTING SIMILAR OPERATIONS
Frederick William Morgan, London, England
Application February 24, 1939, Serial No. 258,350
In Great Britain March 1, 1938
21 Claims. (Cl. 164—2)



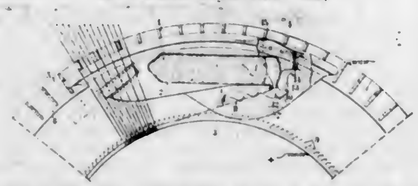
1. Apparatus for determining the position of button and like holes comprising a plurality of members spaced apart and movable into engagement with the material in which the holes are to be made, a bed located beneath the said members and movable transversely with respect to the spacing thereof, a guide fence for positioning the material and movable transversely with respect to the spaced members, and means for simultaneously adjusting the bed and the fence.

2,247,306
SCREEN RETAINER
Harry C. Partridge, West Nyack, N. Y.
Application February 2, 1940, Serial No. 316,971
3 Claims. (Cl. 156—39)



1. A screen retainer for use with a window comprising a pair of guide members adapted to be attached to opposite sides of a window frame and each comprising a clamping portion adapted to engage the window frame and retain the guide member in position and a channel portion facing towards the other side of the window adapted to accommodate a side edge of the screen, a clamping member adapted to engage the bottom of the window frame and having connection at its two ends with the lower portions of the guide members, at least one of said connections being pivotal, resilient brackets fixedly mounted adjacent the upper ends of the guide members in registry with each other and a roller having a roll screen disposed thereon and extending between and resiliently supported by the brackets so as to hold the clamping portions of the guide members in engagement with the sides of the window frame so as to prevent accidental displacement thereof.

2,247,307
WEFT FORK FOR CIRCULAR WEAVING LOOMS
Henri Pelcé, Flixecourt, France, assignor to Société dite: Saint Freres, Société Anonyme, Paris, France
Application June 20, 1940, Serial No. 341,577
In France July 18, 1939
3 Claims. (Cl. 139—13)



1. In a circular weaving loom, the combination of a circular guiding track for the shuttles, said track being a conductor of electricity and electrically insulated from the body of the frame of the loom, a shuttle-carrier guided on said track, a contact member of said shuttle-carrier, adapted to rub against said guiding track, a lever pivotally mounted on said shuttle-carrier and having an arm through which a weft thread issuing from the shuttle is adapted to pass, said arm being adapted to be held by the tension of said thread in a direction oblique relatively to said

circular track, a contact finger rotatively connected to said lever and adapted to come in contact with said contact piece on the shuttle-carrier when centrifugal force causes said lever to pivot, the shuttle-carrier having a conducting horn electrically connected to said contact finger and adapted to constantly rub against a circular row of members connected to the body of the frame of the loom.

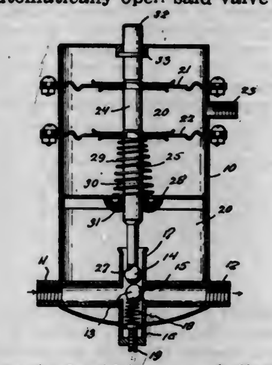
2,247,308
PILE FABRIC
Frank R. Redman, Yardley, Pa.
Application August 12, 1938, Serial No. 224,641
1 Claim. (Cl. 28—1)



A porous pile fabric including a series of fibrous warp threads, a series of fibrous weft threads, a series of fibrous pile yarns, and a series of runs of dry, normally non-cementitious binding material intimately associated with predetermined threads respectively of one of said thread series, said threads, yarns and runs being interwoven in said fabric with the semi-annular bight portions of the pile yarns passing around said predetermined threads respectively and exposed on one face of the fabric, and with portions of said dry runs interposed between the inner surfaces of said semi-annular bights and the outer surfaces of those portions of said predetermined threads embraced by said semi-annular bights, the interwoven relationship of said threads, yarns and runs providing porosity-affording interstices in said fabric, said interposed portions of said runs being diffused between and binding together only superficial fibres of said inner surfaces of said bights and of the outer embraced surfaces of said predetermined threads at the initial regions of interposition of said binder material solely, said diffused binder material being discontinuous between adjacently disposed warp and weft threads and cross-sectionally of said bights and preserving said porosity of the fabric.

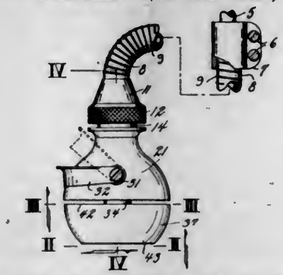
2,247,309
OIL SUPPLY INDICATING MECHANISM FOR INTERNAL COMBUSTION ENGINES
William M. Robison, Mount Holly, N. J.
Application March 13, 1940, Serial No. 323,837
3 Claims. (Cl. 123—196)

1. The combination with a fuel supply line, of a casing having inlet and outlet passages communicating with said line, spaced upper and lower diaphragms located within said casing and defining a pressure chamber, an apertured guide disk fixed within the casing and spaced beneath said diaphragms, a normally seated valve controlling the passage of fuel through said inlet and outlet passages of the casing, and a normally elevated spring influenced valve operating rod carried by and depending from the lowermost diaphragm and slidable through said guide disk to automatically open said valve incident to



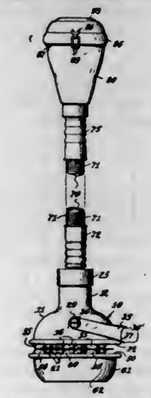
the movement of said lowermost diaphragm under pressure.

2,247,310
SHAMPOO APPARATUS
Earl L. Rockwood, Toledo, Ohio, assignor to Gifford D. Davis, South Orange, N. J.
Application June 29, 1938, Serial No. 216,529
7 Claims. (Cl. 299—141)



1. A hand tool embodying a flexible liquid pressure supply duct terminating in a head, a multiple ported disk closure for the head, and an opposing disk with cone-shaped openings concentrating outlet flow from between the disks.

2,247,311
SPRAY FIXTURE AND ITS NOVEL PARTS
Earl L. Rockwood, Toledo, Ohio, assignor to Gifford D. Davis
Application July 18, 1940, Serial No. 346,086
4 Claims. (Cl. 261—76)



1. A spray device comprising a head, a closure

therefor, said closure having a plurality of openings therein, a plurality of ports communicating with said openings, being integral with said closure and depending therefrom, a plate carried by said head and having a plurality of openings therein, a plurality of ports communicating with the openings in said plate, depending therefrom and being tapered inwardly downward at their upper portions, said first mentioned ports extending into the tapered portions of said second mentioned ports, the length of the ports of said closure and head being materially less than the altitude of said head, said spray device adapted to deliver a plurality of separate and independent streams of liquid to a body to be treated.

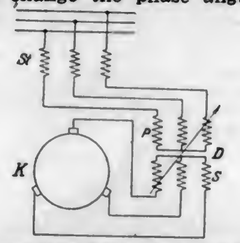
2,247,312
MEAT PACKING PROCESS
Herbert Rumsey, Jr., Nutley, N. J.
Application August 19, 1939, Serial No. 290,993
3 Claims. (Cl. 99—174)



1. The method of molding an irregular mass of meat which comprises providing a tubular flexible elastic porous casing, placing the irregular mass of meat in the casing, compressing the tube above and below the mass so as to exert sufficient pressure against the ends thereof to mold them into rounded unpointed form, providing a second tubular flexible elastic porous casing, inserting the first casing while thus compressed with the mass of meat therein into the second casing with the ends of the mass of meat facing towards the top and bottom respectively of the second casing and finally suspending the entire assembly adjacent one end of the second casing so that the weight of the assembly causes the second casing to become more elongated and to contract and exert substantially uniform yielding pressure around the sides of the mass to mold it into cylindrical form.

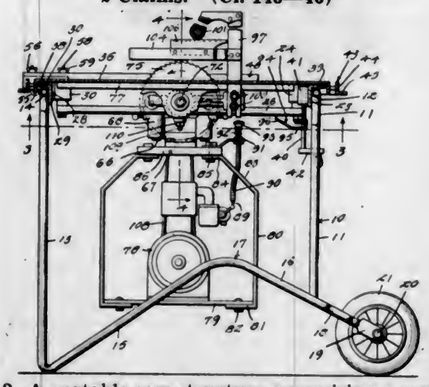
2,247,313
ALTERNATING CURRENT SERIES MOTOR
Benno Schwarz, Dusseldorf-Oberkassel, Germany
Application November 15, 1938, Serial No. 240,558
In Germany August 17, 1935
1 Claim. (Cl. 172—276)

In a three-phase series motor, in combination, a stator having open windings for connection to a source of current, a wound rotor having a commutator, fixed brushes cooperating with said commutator, an induction regulator having a primary winding connected in series with said stator windings and having a secondary winding connected to said brushes, said regulator being adjustable to progressively change the phase angularity be-



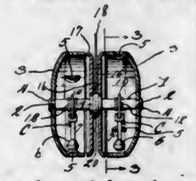
tween its windings and having a constant transformation ratio in all adjustments.

2,247,314
PORTABLE POWER DRIVEN SAW
Gilbert J. Sellmeyer, Indianapolis, Ind.
Application May 31, 1939, Serial No. 276,688
2 Claims. (Cl. 143—46)



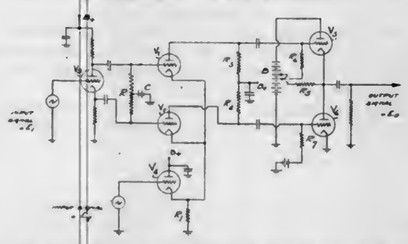
2. A portable saw structure comprising a portable frame, a table carried by the frame having an elongated saw slot therein, a pair of spaced parallel guide bars arranged below the table inwardly of the inner side of said slot, a horizontally shiftable carriage arranged below said table, a driven saw arbor journaled in and extended from the carriage, a rotatable saw on one end of said arbor operating in said slot, a pair of spaced parallel supporting rollers for and connected to said carriage travelling on one of said guide bars, another supporting roller for the carriage, disposed in a line passing between the rollers of said pair and extending through the carriage, and the said other roller travelling on the other one of said guide bars and being revolubly mounted on said arbor.

2,247,315
TETHERED AERIAL TOP OR SPINNER
Henry Singer, Honolulu, Territory of Hawaii
Application August 13, 1940, Serial No. 352,431
3 Claims. (Cl. 46—63)



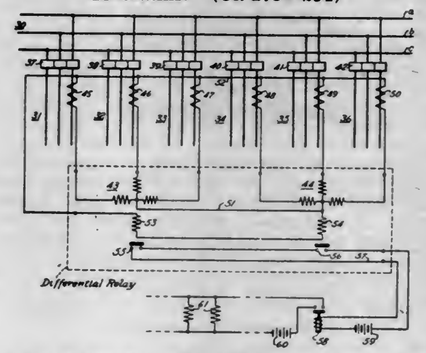
1. A tethered aerial spinner comprising a shaft, bell-shaped units carried by the opposite end portions of the shaft for rotation therewith, the open faces of said units being disposed one toward the other inwardly projected lugs carried by the units, plates freely mounted upon the shaft with one of said plates within each of the units, clappers pivotally engaged with the plates for striking the projections upon rotation of the shaft and units, disks mounted upon the shaft between the units, said disks being spaced one from the other and of a diameter substantially equal to the diameter of the units, each of said disks being closely adjacent to the open face of a bell unit but free of connection with said unit, and a tether for rotating the shaft and units winding and unwinding upon the shaft between the disks, the peripheral portions of the disks being outwardly disposed on a rounded curvature in directions toward the bell units.

2,247,316
VARIABLE GAIN AMPLIFIER
David B. Smith, Philadelphia, Pa., assignor to Philco Corporation, a corporation of Pennsylvania
Application May 6, 1937, Serial No. 141,151
13 Claims. (Cl. 179—171)



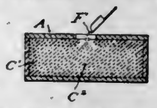
1. In an electrical system, a plurality of groups of space discharge devices, each of said discharge devices having an input circuit and an output circuit, each of said discharge devices having an electrode common to its input and output circuits, each of said discharge devices of one of said groups having a mutual conductance dependent upon the voltage in its input circuit, another space discharge device having an input circuit and an output circuit, an impedance having a voltage thereacross in the input circuits and output circuits of said one group of discharge devices and said other discharge device, for establishing said voltage in each of said last-named circuits, means for introducing an input signal in the input circuit of at least one of the space discharge devices of said one group, means for introducing an input signal in the input circuit of said other space discharge device, means including an impedance in the output circuit of one of the discharge devices of said one group for deriving a signal therefrom, means including an impedance in the output circuit of another discharge device of said one group for deriving a second signal therefrom, means for connecting the output circuits of the discharge devices of another group in series relation, means including an impedance effectively connected for signal currents to each of the common electrodes of said last-named discharge devices for forming an output signal, means for applying said first derived signal to the input circuit of one of said last-named discharge devices, and means for combining said second derived signal and said output signal and for applying said combined signal to the input circuit of another of said last-named discharge devices.

2,247,317
PROTECTIVE RELAY
Roy M. Smith, Livingston, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 22, 1938, Serial No. 236,393
15 Claims. (Cl. 175—294)



1. In a protective arrangement for an electrical system having a plurality of terminals, a relay comprising a plurality of operating means, means for energizing said operating means in accordance with currents flowing to faults occurring within said system, first restraint means disposed for coaction with a first one of said operating means, means for energizing said first restraint means in accordance with currents flowing through a first group of said terminals, second restraint means disposed for coaction with a second one of said operating means, means for energizing said second restraint means in accordance with currents flowing through a second group of said terminals, and control means responsive to the combined conditions of each of said operating means and its related restraint means.

2,247,318
METHOD OF CASTING REFRACTORY BLOCKS
Harold T. Smyth, Louisville, Ky., assignor to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware
Application January 3, 1939, Serial No. 249,123
3 Claims. (Cl. 49—79)

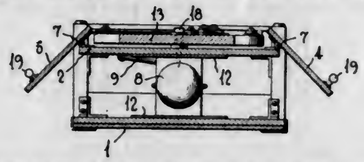


1. The hereinbefore described process of producing refractory blocks which comprises pouring the block from molten material, permitting the casting to cool until a cavity is formed therein, packing the cavity with grain of a refractory material having a sintering temperature lower than that attained by the grain during the subsequent cooling of the casting, and sintering the grain by the heat of the casting.

2,247,319
ILLUMINATING MIRROR
John Louis Snidow, Lynchburg, Va.
Application April 20, 1938, Serial No. 203,162
2 Claims. (Cl. 240—4.2)

1. A light reflecting cabinet consisting of a front portion comprising a mirror, a back por-

tion and side, top and bottom reflector portions hinged to said back portion, an electric lamp mounted within said cabinet and supported by the back portion, a switch device for said lamp comprising a movable part and a stationary part, said stationary part being mounted on the back of said cabinet, a rotatable plate also mounted



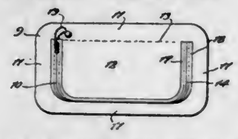
in the back of said cabinet, said plate carrying the movable part of said switch device, links connecting each hinged side, top and bottom portion to said plate, whereby upon the opening of any one of said hinged portions said plate will be rotated and all of the hinged portions will automatically open and the switch device will be automatically closed to light said lamp.

2,247,320

ARTICLE OF LIMP SHEET MATERIAL

Leopold G. Stanley, Maplewood, N. J.

Application January 25, 1938, Serial No. 186,770
2 Claims. (Cl. 150—46)



1. An article of limp sheet material comprising a limp wall formed with an aperture of substantial area, and a closing flap member flexibly joined to the wall along a straight hinge line, and a continuous or slider type fastening means having its complementary members disposed around the edges of the respective contours of aperture and flap other than at such hinge line and with a slider member movable around the contour of the fastening means for fastening and unfastening the same; said article characterized in that the contours of the aperture and flap comprise curves but are free of angles around their corresponding edges other than at such hinge line, and that the aperture and flap have general similarity of contour but are slightly out of conformity, namely, by reason of the flap contour falling partly inside that of the aperture, leaving a gap, and partly outside thereof, producing an overlap, to such extents that the total contours of the aperture and flap respectively are closely equal in length; whereby the fastening when fastened disposes itself in relatively inverted positions at the respective parts whereat the flap edge falls inside and outside of the aperture edge.

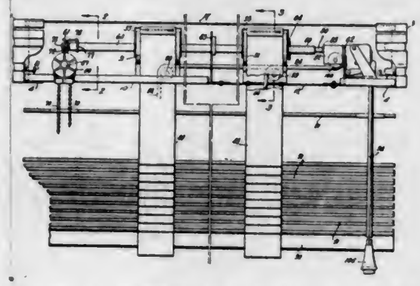
2,247,321

VENETIAN BLIND

Walter J. Stuber, Philadelphia, Pa., assignor to Carey-McFall Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 6, 1940, Serial No. 322,604
5 Claims. (Cl. 156—17)

1. A Venetian blind comprising a tilt shaft, rockers in axially spaced relation on said shaft, each rocker comprising a ladder tape attachment plate spaced radially from said shaft with its longitudinal axis parallel to said shaft axis, said tapes being connected to said plate on lines parallel to and spaced laterally from said plate axis, a pair of supporting arms for each attachment plate mounted on said shaft in axially spaced relation to each other, and a fixed ladder



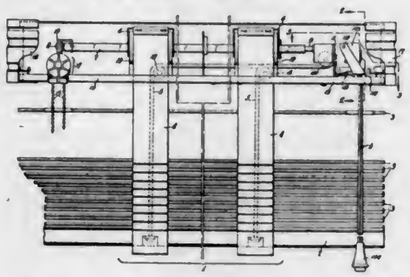
tape guide between each said pair of arms and comprising a substantially cylindrical portion approximately concentric to said shaft axis and having a diameter greater than said lateral spacing of said tape connections.

2,247,322

CORD LOCK FOR VENETIAN BLINDS

Walter J. Stuber, Philadelphia, Pa., assignor to Carey-McFall Company, Philadelphia, Pa., a corporation of Pennsylvania

Original application March 6, 1940, Serial No. 322,604. Divided and this application June 25, 1940, Serial No. 342,345
3 Claims. (Cl. 156—17)



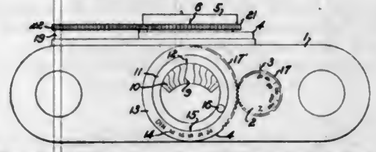
1. A Venetian blind structure comprising cord actuated slat elevating means including a pulley for changing direction of movement of the operating cords from horizontal to vertical and vice versa, said pulley being rotatably mounted between two substantially parallel plate-like supports, a lock for said cords comprising a U-shaped lever pivoted to said supports at one side of the axis of rotation of said pulley and including a portion paralleling the face of said pulley and adapted to swing in a path to intersect with said pulley face to pinch said cords therebetween, said portion having spaced inwardly projecting edges for engaging said ropes when the latter are swung in one direction in tangential relation to say pulley face and to release said ropes when the latter are swung in an opposite direction, and an actuator for said lever pivoted to said supports at the opposite side of the axis of rotation of said pulley with a transverse portion extending across said U-shaped lever adjacent the toothed portion thereof and provided with openings through which said ropes extend for swinging said actuator to operate said locking lever.

2,247,323

PHOTOGRAPHIC EXPOSURE APPARATUS

Hans Ferdinand Tönnies, Hamburg-Grossflottbek, Germany

Application August 30, 1938, Serial No. 227,580
In Germany September 4, 1937
8 Claims. (Cl. 95—10)



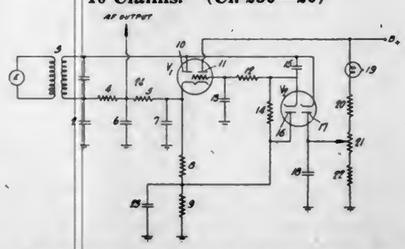
1. In an exposure determining apparatus, the combination with a photoelectric exposure system comprising a photoelectric cell, a measuring instrument connected to said cell and having a movable pointer cooperating with a scale plate and an adjustable indicator member carrying an indicator mark, said scale plate carrying a set of approximately radial guide lines that terminate along the paths of movement of said pointer and said indicator mark respectively, and means for modulating the current flow from the cell to the instrument, of exposure apparatus including a shutter adjusting member and a diaphragm adjusting member, and means mechanically coupling said adjustable indicator member and said current modulating means to said adjustable members for actuation thereby, whereby the positions of the instrument indicator mark and pointer are automatically varied with changes in the settings of the adjustable members of said exposure apparatus; the means mechanically coupling said indicator member to its associated adjustable member comprising a coupling member mechanically connected to one of and frictionally engaging the other of said coupled members, and indicia carried by said coupling member and the member to which it is frictionally coupled for indicating relative adjustments of the same in accordance with selected values of film speed.

2,247,324

NOISE-LIMITING CIRCUITS FOR CARRIER WAVE COMMUNICATION SYSTEMS

Charles Travis, Philadelphia, Pa., assignor, by mesne assignments, to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware

Application May 23, 1939, Serial No. 275,315
In Great Britain August 26, 1938
10 Claims. (Cl. 250—20)



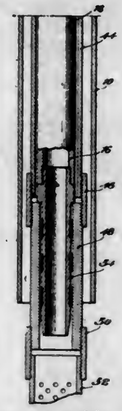
2. In an electrical wave transmission system which includes a source of combined modulated carrier signals and interfering noise signals, a first diode space discharge means for demodulating carrier signals, a second diode space discharge means connected in shunt with said first diode means to receive signals from said source but having its elements reversed relative to those of said first diode, biasing means for applying a polarizing voltage to said second diode, thus preventing said second diode from rectifying said combined signal until such signal exceeds a certain amplitude, a common load impedance for said first and second diode means whereby the rectification products of the relatively reversed diodes tend mutually to cancel one another, means for varying said polarizing voltage, said last-named means including a space discharge tube having at least a cathode, an anode, and a control grid, means including a diode rectifier for varying the bias on said control grid in response to variations in the average carrier amplitude, whereby said second diode means is enabled to rectify only those voltages which exceed a predetermined level relative to the carrier signal, and means for deriving a demodulated signal from said common load.

2,247,325

CASING PUMP ASSEMBLY

Carl D. Wagner, Tulsa, Okla.

Application August 5, 1940, Serial No. 351,529
5 Claims. (Cl. 103—219)



1. A casing pump assembly for mounting an insert pump of the type having hold-down portions adapted to be operatively and releasably received by a seating means, a tubular member forming a closed casing adapted to receive said insert pump freely therein, said tubular member having disposed therewithin a seating means adapted to receive said hold-down portions of the insert pump to seat and to hold said insert pump operatively within said tubular casing during pumping, resilient means mounted on said tubular casing and adapted to expand into sealing and gripping engagement with the walls of a well, an actuating means disposed for longitudinal movement interiorly of said resilient means and operative to expand said resilient means into said gripping engagement, said actuating means having a central passage adapted to accommodate a pump actuating rod and being disposed substantially above the pump receiving region of said tubular casing and adapted to operate independently and separately from the pump inserted within the said section.

2,247,326

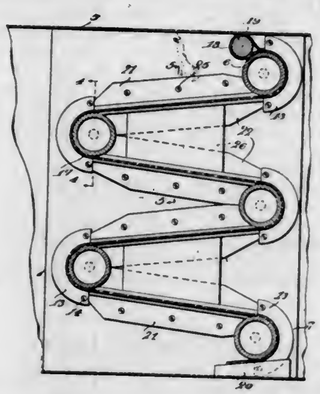
AIR FILTER

Emil George Ziemann, Washington, D. C.

Application July 26, 1940, Serial No. 347,747
9 Claims. (Cl. 183—71)

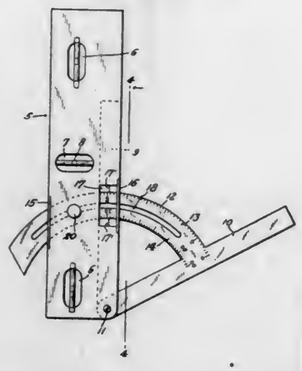
2. An air filter for mounting in a rectangular

air duct comprising a pair of side members, a series of extensible supporting rods between said side members, means for adjusting said rods to



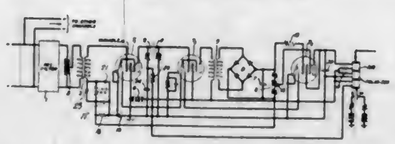
expand said side members into tight engagement with the walls of the air duct, and a filter cloth passing over said supporting rods transversely of the duct.

2,247,327
COMBINATION TOOL
Joseph J. Brady, Galveston, Tex.
Application March 15, 1940, Serial No. 324,191
1 Claim. (Cl. 33—75)



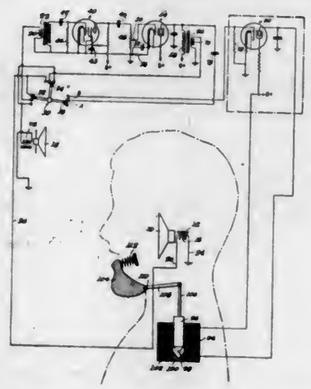
In a measuring tool of the character described, an elongated body having a groove in one edge thereof, an elongated arm having one end pivoted in one end of said groove and movable into and out of the groove to assume angularly related positions with respect to the body, said body having an arcuate slot and recesses communicating with said slot at one end thereof and arranged in opposite faces of the body, an arcuately curved arm formed on the first-named arm and extending through the slot and having scale markings on opposite faces thereof to coact with the first arm and the body and providing a protractor readable through said recesses, spaced wear plates mounted on opposite edges of said body and located at opposite ends of the slot and having the second-named arm slidable therebetween, said second-named arm having an arcuately curved slot, and a fastener carried by the body and extending through the slot of the second-named arm for locking said arms in various positions with respect to the body.

2,247,328
RECEIVING CIRCUIT FOR SIGNALING SYSTEMS
James R. Davey, Kew Gardens, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 1, 1940, Serial No. 332,712
6 Claims. (Cl. 178—66)



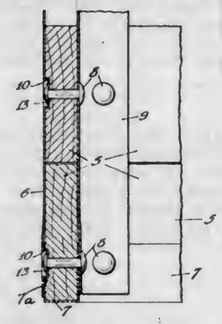
1. In combination in a signaling circuit, an alternating current signal amplifier including an electron discharge amplifying device having an output circuit, a detector for detecting the signals in the amplifier output, and a relay having an operating winding adapted to be energized in response to the detected signals in the output of said detector, and a biasing winding included in the output circuit of said electron discharge amplifying device and adapted to be energized in response to the output currents thereof in such direction as to aid said operating winding in operating said relay.

2,247,329
TALKING DOLL AND ACTION DRIVEN CIRCUIT THEREFOR
George Deitz, Brooklyn, N. Y., assignor, by mesne assignments, to Richard E. Beck, Chicago, Ill.
Application October 5, 1939, Serial No. 298,008
8 Claims. (Cl. 46—118)



1. A doll having a movable part, selective means for transmitting electrical impulses corresponding to audio waves from a distant point to said doll or for transmitting electrical impulses corresponding to audio waves, originating near the doll, to said distant point and means for moving said movable part in synchronism with the amplitudes of said impulses transmitted from the distant point to said doll, said means including a thermionic relay circuit, the current impressed on the plate circuit of which is normally maintained substantially at a maximum.

2,247,330
JOINT FOR COMBINATION WOOD AND METAL STRUCTURES
Isaie J. B. Demers, St. Paul, Minn., assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware
Application December 1, 1939, Serial No. 307,099
5 Claims. (Cl. 20—92)



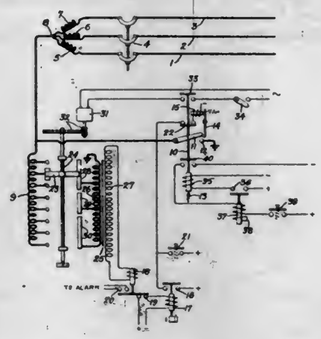
1. The combination, in a wood and metal structure, of a wood member formed with a substantially cylindrical counter-sink, a sheet metal member extending upon the outer surface of said wood member and formed with an offset normally fitting loosely in said counter-sink and adapted to be expanded radially to fit snugly therein and a fastening member connecting said members together and having a head engaging said offset for confining and expanding the same radially in said counter-sink.

2,247,331
GLASSMAKING BATCH
John Ferguson, Cleveland, Ohio
No Drawing. Application January 22, 1938, Serial No. 186,373
4 Claims. (Cl. 106—54)

4. A glass making batch for a high silica, borosilicate-alkali glass containing silica, boric oxide, and one or more alkali oxides, proportioned to produce a glass having 80 to 87% silica, said batch being adapted for melting in an electric furnace and all of the ingredients thereof being in a substantially non-gas forming form, whereby a substantially seedless product may be obtained without additional fining agents or processes.

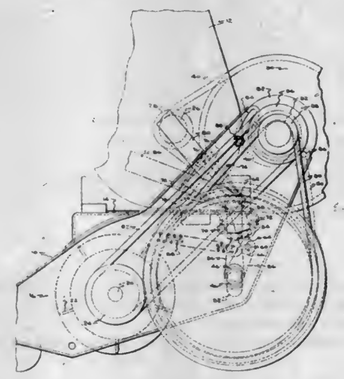
2,247,332
CONTROL OF ELECTRIC POWER SYSTEMS
Levin W. Foster, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 3, 1940, Serial No. 368,360
7 Claims. (Cl. 171—97)

6. In an alternating current electric system having a neutral point and of the type wherein a fault to ground on a phase conductor of the system substantially increases the capacitance current to ground of the ungrounded phase conductors of the system, an inductive connection to ground from said neutral point, transforming means having a winding connected in series relation with said connection, means for so varying the inductance of said connection to correspond with the capacitance to ground of the system in service that the zero phase sequence inductance of the connection on the occurrence of a ground on a phase conductor of the system provides a lagging current for effectively suppressing the capacitance current to ground at the grounded point and for simultaneously maintaining the output of said transforming means within a predetermined range independently of the magnitude of the lagging current



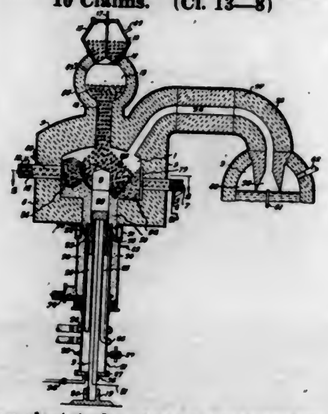
in said connection, means for establishing a connection to ground in parallel with said inductive connection, and means for preventing the operation of said varying means while said parallel connection is open.

2,247,333
POWER LAWN MOWER
Truman B. Funk, Jackson, Mich., assignor to "Yard-Man," Inc., Jackson, Mich., a corporation of Michigan
Application December 7, 1938, Serial No. 244,314
9 Claims. (Cl. 56—26)



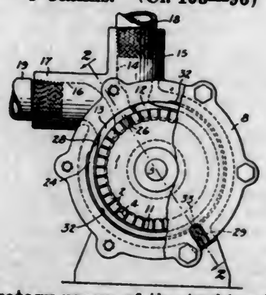
1. In a power lawn mower, a cutter chassis having a rotatable reel, a traction chassis having belt driven wheels, a belt drive for said cutting mechanism, a fixedly supported rotatable jack shaft, a prime mover for driving said jack shaft, power take-off pulleys on said jack shaft, belt drives for said ground wheels and cutter reel running over said pulleys, means supporting said jack shaft for adjustment in said cutter chassis from one fixed position to another, and means extending between said cutter chassis and said traction chassis for shifting said ground wheels relative to said cutter chassis for operating the belt drive between said jack shaft and ground wheels.

2,247,334
ELECTROTHERMIC REDUCTION OF VOLATILE METALS
Samuel Ralph Keemle, Hamilton, Ontario, Canada, assignor to Universal Light Metals Company, Hamilton, Ontario, Canada, a partnership consisting of Joyce Mitchell McGill and Samuel Ralph Keemle
Application September 23, 1940, Serial No. 357,912
10 Claims. (Cl. 13—8)



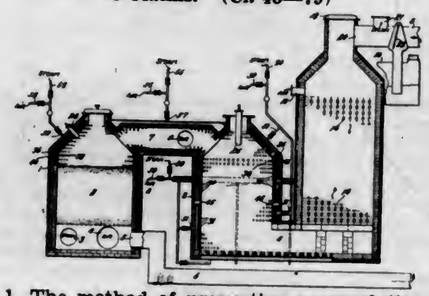
1. In an electric furnace apparatus of the character described, a furnace hearth, a plurality of spaced apart electrodes extending to the hearth, conveyors for injecting fine coke into the hearth and depositing the piled fine coke in contact with each electrode, a conveyor for injecting ore into the furnace, a coarse coke feeding hopper positioned above the furnace and from which coarse coke is deposited within the furnace on top of the conveyor-fed coke and the ore and forms a heat producing electrical resistance, an ash column extending downwardly from the bottom of the hearth, means contained within the ash column for agitating the coke within the furnace to break unwanted arcs in the coke electrical resistance, a plurality of pressure balance pipes leading into the apparatus at various spaced apart points and through which non-oxidizing gases are fed to maintain a pressure balance at the openings into the hearth of the furnace, and a passage extending from the upper portion of the furnace hearth through which the metallic laden vapours pass.

2,247,335
PUMP
Harold Neibert, Davenport, Iowa, assignor to Micro-Westco, Inc., Bettendorf, Iowa, a corporation of Delaware
Application January 5, 1939, Serial No. 249,461
3 Claims. (Cl. 103—96)



1. In a rotary pump of the turbine type, a casing, annular rings disposed in the casing and having portions which cooperatively define a pressure developing channel, an impeller having marginal buckets mounted for rotation through the channel, an inlet and an outlet to the channel through the rings and casing, an area of contact for portions of the rings and the casing surrounding the inlet and outlet, said area extending over not more than half the internal periphery of the casing, means for securely holding the rings and casing together throughout the contact area, and means for releasing the holding means.

2,247,336
GAS SET AND METHOD
James G. O'Keeffe, Verona, N. J., assignor to Public Service Electric & Gas Co., Newark, N. J., a corporation of New Jersey
Application January 14, 1939, Serial No. 250,883
8 Claims. (Cl. 48—79)



1. The method of preventing accumulation of carbon on the interior surfaces of a water gas set due to carburetting during the water gas run, comprising flowing carbon consuming air over said surfaces during the blast period at such a velocity and through numerous contiguous openings throughout said surfaces that said surfaces are bathed with the said carbon consuming air during the blast gas flow and without substantial intermingling of said carbon consuming air with said blast gas flow.

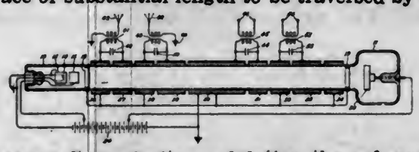
2,247,337
PROCESS OF MAKING RUBBER ARTICLES
Harry Raflovich, Detroit, Mich.
Application December 9, 1937, Serial No. 178,979
4 Claims. (Cl. 18—53)



1. The method of making a rubber article which comprises preparing a partly vulcanized sponge rubber core, applying an unvulcanized rubber cover containing a blowing agent to said core, placing said assembly in a mold and applying heat to complete the vulcanization and blowing of said core and cover.

2,247,338
HIGH FREQUENCY APPARATUS
Simon Ramo, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 30, 1939, Serial No. 306,952
3 Claims. (Cl. 179—171)

1. In apparatus for use at frequencies so high that transit time considerations play a controlling part in the operation of the apparatus, the combination which includes means for producing a stream of electrons, a pair of input systems separately coupled to the stream for producing velocity modulation of the stream at two different ultra-high frequencies, means providing a drift space of substantial length to be traversed by the

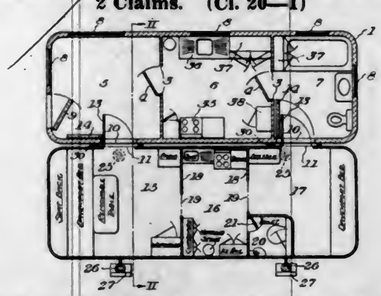


stream after velocity modulation thereof, and a pair of output systems separately coupled to the beam so as to be affected by the high frequency variations existing in the stream after its issuance from the said space, each of said output systems being adapted to be selectively excited at a frequency corresponding to the input frequency of one of the said input systems.

2,247,339
PROCESS OF RENDERING FABRIC RESISTANT TO FUNGAL AND BACTERIAL ATTACK
Helen M. Robinson, Washington, D. C.; dedicated to the free use of the People in the territory of the United States
No Drawing. Application October 11, 1940, Serial No. 360,807
3 Claims. (Cl. 21—6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

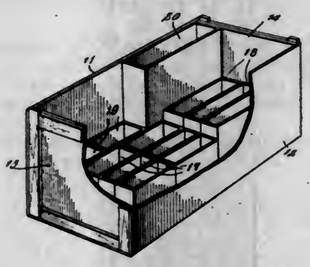
1. In a process of rendering fabric resistant to fungal and bacterial attack, which comprises heating the fabric in a solution of one of a group of metallic inorganic salts consisting of copper sulphate and cadmium sulphate, and thence immersing in morpholine.

2,247,340
AUXILIARY BUILDING STRUCTURE
John E. Webster, Pittsburgh, Pa.
Application April 14, 1938, Serial No. 201,911
2 Claims. (Cl. 20—1)



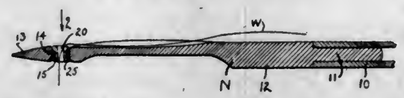
1. In combination, a normally traveling trailer structure, a fixed stationary auxiliary building structure supplementing said trailer structure, said trailer structure having a doorway leading therefrom, said auxiliary building structure being provided with a toilet room with fixed plumbing and sewage connections and with a doorway in alignment with said trailer doorway, and means for rigidly and detachably securing said trailer and auxiliary building structures together to constitute a self-contained stationary unitary home.

2,247,341
CONTAINER
George B. Anderson, Evanston, Ill.
Application November 12, 1938, Serial No. 240,038
9 Claims. (Cl. 229—15)



1. A container and the like comprising a rectangular box; a plurality of cellular members anchored in the bottom of said box, said members arranged in groups and certain of the groups having different heights and less than the depth of said box; and a plurality of removable cellular members assembled in groups and supported upon the upper edges of certain of the first-named cellular members, and the said removable groups being of different heights with respect to each other and with respect to said anchored groups; whereby the combined height of the anchored members and the removable members which are superposed thereon is equal to the depth of said box.

2,247,342
METHOD OF FORMING AXMINSTER LOOM NEEDLES
Clyde E. Brown, Grafton, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Original application July 15, 1940, Serial No. 345,541. Divided and this application November 29, 1940, Serial No. 367,742
4 Claims. (Cl. 163—5)

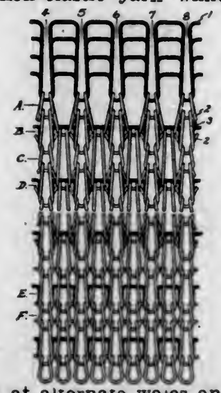


1. The method of forming an Axminster needle which consists in the following steps, forming a bore in a needle body, locating a body of metal in a peripheral groove formed in a vitreous eye element, inserting the eye with the metal in the groove into said bore, and flowing fusible metal into the bore to establish holding contact between the walls of the bore and said body of metal.

2,247,343
KNITTED FABRIC AND METHOD
Oscar Fregeolle, Central Falls, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application April 29, 1940, Serial No. 332,161
35 Claims. (Cl. 66—172)

1. A method of knitting an edge for a plain knitted fabric including the steps of drawing an elastic yarn so that a plurality of loops thereof will be held at alternate wales and then drawing a non-elastic yarn and casting off said loops

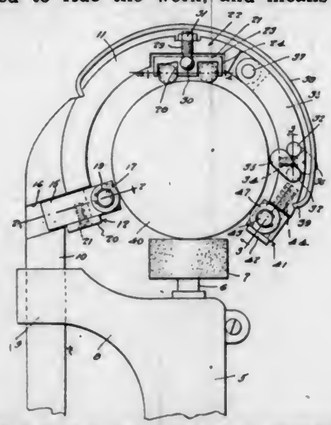
of elastic yarn, thereafter, drawing several courses of non-elastic yarn while inlaying an



elastic yarn at alternate wales and tucking the non-elastic yarn at intermediate wales.

2,247,344
CRANKSHAFT GRINDER
Elmer Fuglie and Ore Oelkers, Mazeppa, Minn.
Application August 31, 1939, Serial No. 292,948
4 Claims. (Cl. 51—241)

1. In a crankshaft grinder, a yoke adapted to embrace a crankshaft to hold the crankshaft in proper relation to a grinder, and means for setting the yoke to various shaft diameters, and a two-point suspension bearing unit in the yoke adapted to ride the work, and means for ad-



justing the said unit, said unit consisting of a carrier, a pair of rollers mounted in the carrier and adapted to engage the work, and screws extending from the carrier and through the yoke and means whereby the screws can be adjusted.

DESIGNS

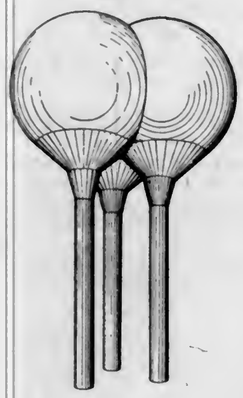
JUNE 24, 1941

127,880
DESIGN FOR A FACE PLATE FOR ARTICLE OF JEWELRY
Michael Chernow, New York, N. Y.
Application April 11, 1941, Serial No. 100,317
Term of patent 7 years



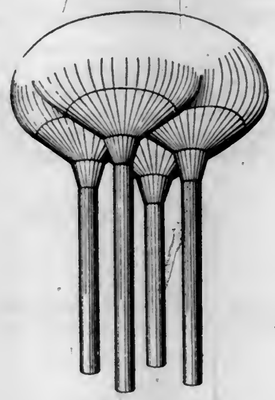
The ornamental design for a face plate for an article of jewelry, substantially as shown.

127,881
DESIGN FOR AN ELEVATED TANK
James O. Jackson, Crafton, and Rodney W. De Vore, West View, Pa., assignors to Pittsburgh Des Moines Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 4, 1941, Serial No. 99,348
Term of patent 14 years



The ornamental design for an elevated tank, substantially as shown and described.

127,882
DESIGN FOR AN ELEVATED TANK
James O. Jackson, Crafton, and Rodney W. De Vore, West View, Pa., assignors to Pittsburgh Des Moines Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 4, 1941, Serial No. 99,349
Term of patent 14 years



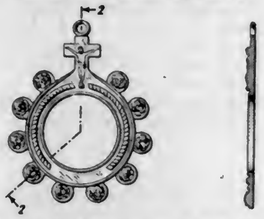
The ornamental design for an elevated tank, substantially as shown and described.

127,883
DESIGN FOR A WEATHER SURFACING STRIP OR SIMILAR ARTICLE
George B. Johnston, Glendale, Ohio, assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
Application June 14, 1940, Serial No. 93,004
Term of patent 14 years



The ornamental design for a weather surfacing strip or similar article, substantially as shown and described.

127,884
DESIGN FOR A MEDAL
John F. X. Landrigan, Bayonne, and George W. Crone, Jersey City, N. J., assignors to New Jersey State Council of the Knights of Columbus, Bayonne, N. J.
Application April 16, 1941, Serial No. 100,412
Term of patent 14 years



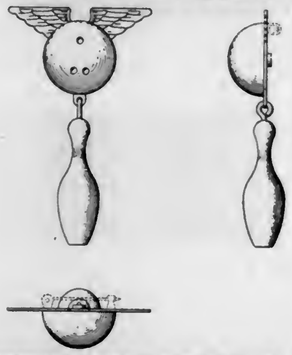
The ornamental design for a medal, as shown.

127,885
DESIGN FOR A BADGE OR THE LIKE
Ramiro Monedero, San Salvador, El Salvador
Application March 25, 1941, Serial No. 99,876
Term of patent 3½ years



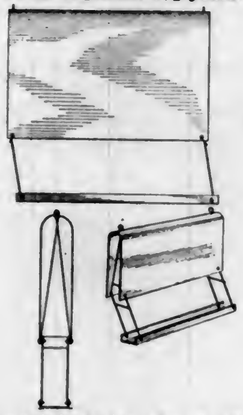
The ornamental design for a badge or the like, as shown.

127,886
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Walter L. Pavel, Chicago, Ill.
Application March 24, 1941, Serial No. 99,823
Term of patent 3½ years



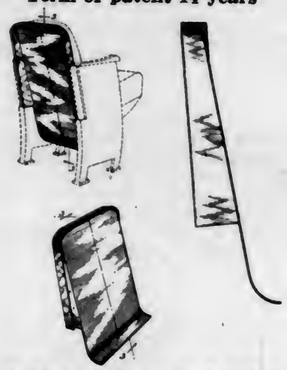
The ornamental design for a brooch or similar article, as shown.

127,887
DESIGN FOR A BAG RACK
Verne Garrison, Lamar, Mo.
Application March 14, 1941, Serial No. 99,601
Term of patent 3½ years



The ornamental design for a bag rack, as shown.

127,888
DESIGN FOR A CHAIR
Stanley J. Gedris, Grand Rapids, Mich.
Application February 21, 1941, Serial No. 99,158
Term of patent 14 years



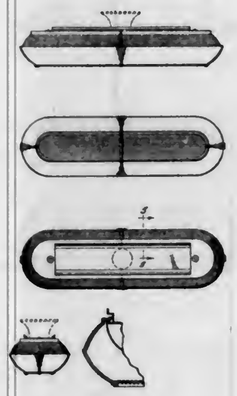
The ornamental design for a chair, substantially as shown and described.

127,889
DESIGN FOR A BROOCH
Robert M. Jordan, Barrington, R. I.
Application April 21, 1941, Serial No. 100,530
Term of patent 3½ years



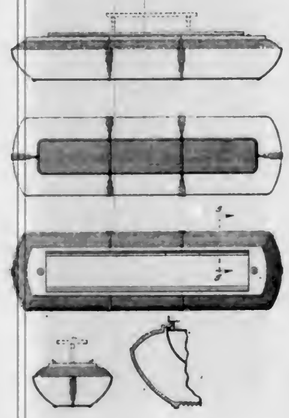
The ornamental design for a brooch, substantially as shown.

127,890
DESIGN FOR AN ELECTRIC LIGHTING FIXTURE
Albert J. D. Ohm, Buffalo, N. Y., assignor to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application January 31, 1941, Serial No. 98,599
Term of patent 14 years



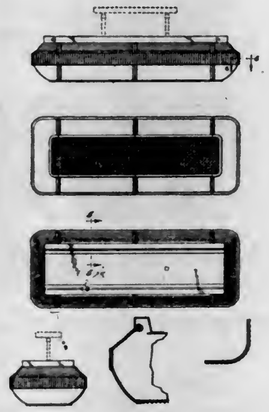
The ornamental design for an electric lighting fixture, substantially as shown and described.

127,891
DESIGN FOR AN ELECTRIC LIGHTING FIXTURE
Albert J. D. Ohm, Buffalo, N. Y., assignor to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application January 31, 1941, Serial No. 98,600
Term of patent 14 years



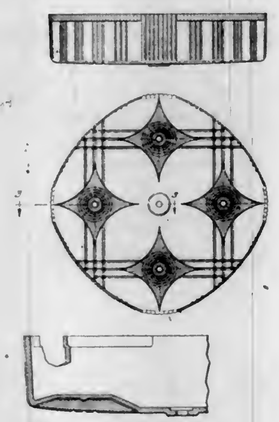
The ornamental design for an electric lighting fixture, substantially as shown and described.

127,892
DESIGN FOR AN ELECTRIC LIGHTING FIXTURE
Albert J. D. Ohm, Buffalo, N. Y., assignor to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application January 31, 1941, Serial No. 98,601
Term of patent 14 years



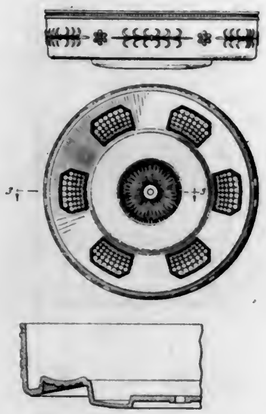
The ornamental design for an electric lighting fixture, substantially as shown and described.

127,893
DESIGN FOR A BOWL FOR ELECTRIC LIGHTING FIXTURES
Albert J. D. Ohm, Buffalo, N. Y., assignor to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application January 31, 1941, Serial No. 98,602
Term of patent 14 years



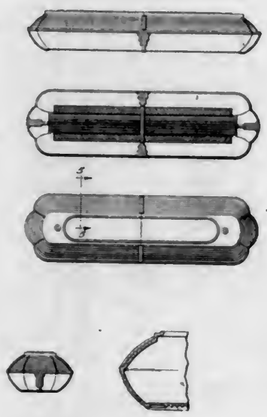
The ornamental design for a bowl for electric lighting fixtures, substantially as shown.

127,894
DESIGN FOR A BOWL FOR ELECTRIC LIGHTING FIXTURE
Albert J. D. Ohm, Buffalo, N. Y., assignor to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application January 31, 1941, Serial No. 98,603
Term of patent 14 years



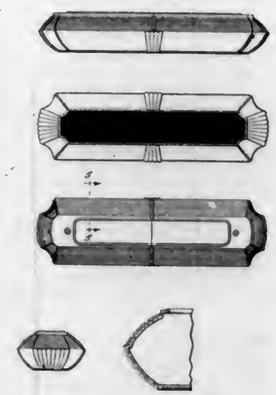
The ornamental design for a bowl for electric lighting fixtures, substantially as shown.

127,895
DESIGN FOR A DIFFUSER FOR A FLUORESCENT TUBE FIXTURE
Albert J. D. Ohm, Buffalo, N. Y., assignor to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application March 11, 1941, Serial No. 99,492
Term of patent 14 years



The ornamental design for a diffuser for a fluorescent tube fixture, substantially as shown.

127,896
DESIGN FOR A DIFFUSER FOR A FLUORESCENT TUBE FIXTURE
Albert J. D. Ohm, Buffalo, N. Y., assignor to Markel Electric Products, Inc., Buffalo, N. Y., a corporation of New York
Application March 11, 1941, Serial No. 99,493
Term of patent 14 years



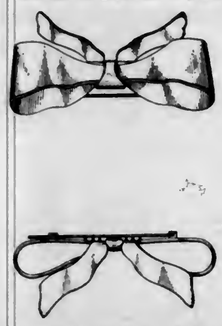
The ornamental design for a diffuser for a fluorescent tube fixture, substantially as shown.

127,897
DESIGN FOR A TEXTILE FABRIC
Robert P. Baggaley, Paterson, N. J.
Application May 28, 1941, Serial No. 101,201
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

127,898
DESIGN FOR A BARRETTE
Siegfried Behr, Flushing, N. Y., assignor to Ben Hur Products, Inc., New York, N. Y., a corporation of New York
Application April 26, 1941, Serial No. 100,634
Term of patent 7 years



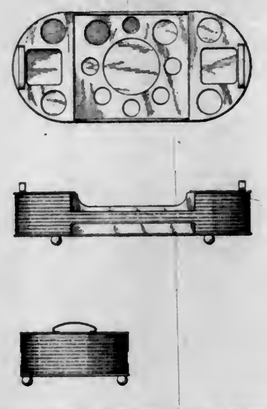
The ornamental design for a barrette, as shown.

127,899
DESIGN FOR A NOVELTY DOLL
Vivian Bennett, Chicago, Ill., assignor to McLaughlin & Wallenstein, Chicago, Ill.
Application September 30, 1939, Serial No. 87,448
Term of patent 7 years



The ornamental design for a novelty doll, as shown and described.

127,900
DESIGN FOR A SERVING BAR
Oscar I. Block, Chicago, Ill.
Application December 20, 1940, Serial No. 97,506
Term of patent 3½ years



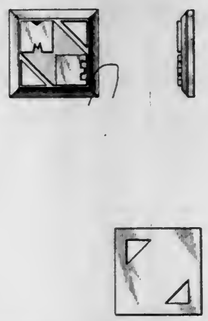
The ornamental design for a serving bar, as shown.

127,901
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Gildo Capellazzi, Brooklyn, N. Y.
Application May 24, 1941, Serial No. 101,118
Term of patent 3½ years



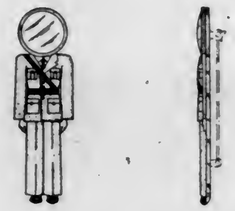
The ornamental design for a brooch or similar article, substantially as shown.

127,902
DESIGN FOR A MONOGRAM PLATE FOR JEWELRY
Michael Chernow, New York, N. Y.
Application March 12, 1941, Serial No. 99,517
Term of patent 14 years



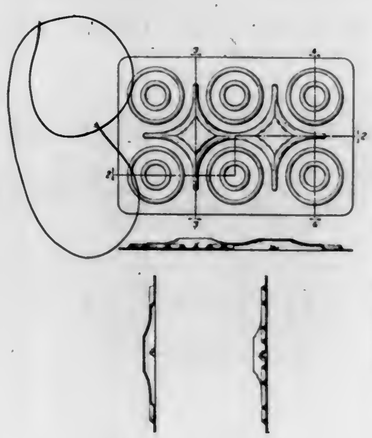
The ornamental design for a monogram plate for jewelry, substantially as shown.

127,903
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Frank Cusumano, Brooklyn, N. Y.
Application May 29, 1941. Serial No. 101,213
Term of patent 3½ years



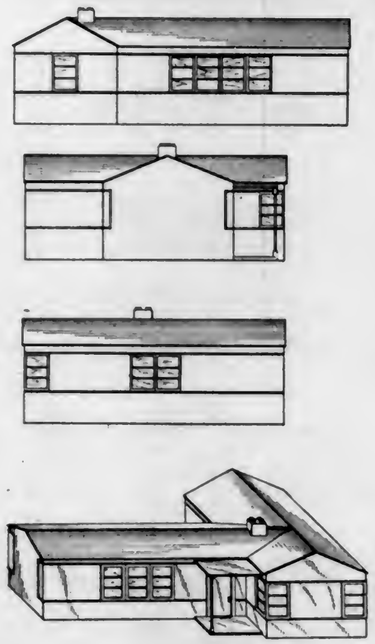
The ornamental design for a brooch or similar article, substantially as shown.

127,904
DESIGN FOR A PACKING PAD FOR CANS AND SIMILAR CONTAINERS
William J. De Reamer, Crown Point, Ind., assignor to Mapes Consolidated Manufacturing Company, Griffith, Ind., a corporation of Delaware
Application May 1, 1941, Serial No. 100,726
Term of patent 14 years



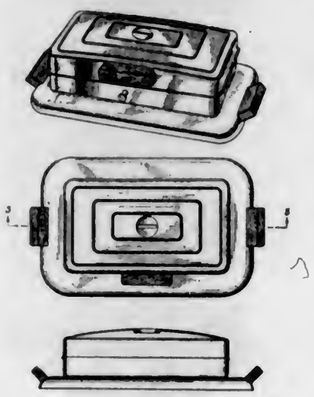
The ornamental design for a packing pad for cans and similar containers, substantially as shown.

127,905
DESIGN FOR A BUILDING
Ernest Merrell Ellis, Portland, Oreg.
Application March 25, 1939, Serial No. 83,822
Term of patent 3½ years



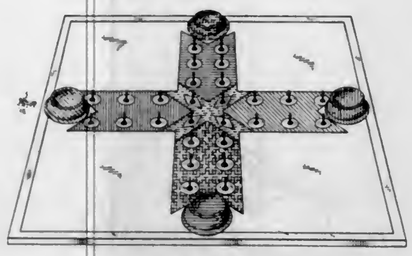
The ornamental design for a building, as shown.

127,906
DESIGN FOR A SANDWICH GRILL
James F. Faunce, Akron, Ohio
Application October 4, 1940, Serial No. 95,631
Term of patent 7 years



The ornamental design for a sandwich grill, substantially as shown.

127,907
DESIGN FOR A GAME BOARD
Joe A. Fredriksson, San Francisco, Calif.
Application March 26, 1941, Serial No. 99,911
Term of patent 14 years



The ornamental design for a game board, substantially as shown and described.

127,908
DESIGN FOR A SOUVENIR TEA BELL
Joseph Hollander, Baton Rouge, La.
Application April 21, 1941, Serial No. 100,543
Term of patent 14 years



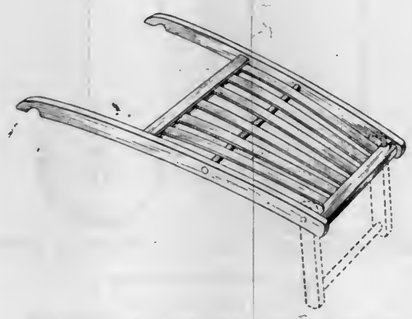
The ornamental design for a souvenir tea bell, as shown.

127,909
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Cohn & Rosenberger Inc., New York, N .Y., a corporation of New York
Application May 24, 1941, Serial No. 101,115
Term of patent 3½ years



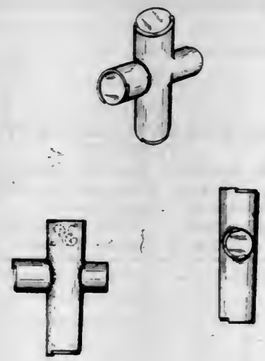
The ornamental design for a brooch or similar article, substantially as shown.

127,910
DESIGN FOR A FOOTREST FOR A BEACH CHAIR OR SIMILAR ARTICLE
Andrew J. McGann, New York, and Albert Beeskow, Brooklyn, N. Y., assignors to Tropical Chair Co., Inc., New York, N. Y., a corporation of New York
Application April 16, 1940, Serial No. 91,706
Term of patent 7 years



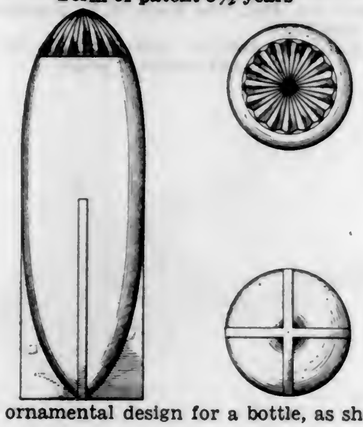
The ornamental design for a footrest for a beach chair or similar article, substantially as shown and described.

127,911
DESIGN FOR A COIN HOLDER
Edward R. Norbut, Newark, N. J.
Application September 26, 1940, Serial No. 95,402
Term of patent 7 years



The ornamental design for a coin holder, as shown and described.

127,912
DESIGN FOR A BOTTLE
Alfred L. Ogle, Lincoln, Nebr.
Application May 6, 1941, Serial No. 100,807
Term of patent 3½ years



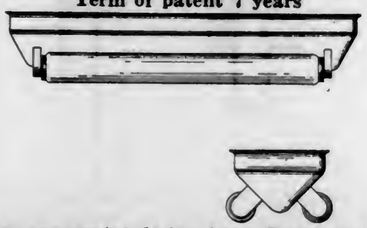
The ornamental design for a bottle, as shown.

127,913
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Charles Rosenstein, Paterson, N. J.
Application May 31, 1941, Serial No. 101,229
Term of patent 3½ years



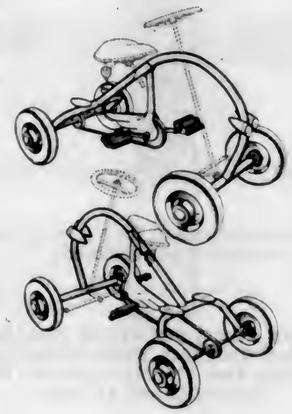
The ornamental design for a textile fabric or similar article, as shown.

127,914
DESIGN FOR A FLUORESCENT LAMP FIXTURE
Kenneth R. Scribner, Ipswich, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application May 21, 1941, Serial No. 101,074
Term of patent 7 years



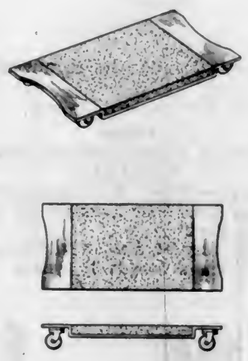
The ornamental design for a fluorescent lamp fixture, as shown.

127,915
DESIGN FOR A VELOCIPEDE
Elyert John Weller, Jr., Milwaukee, Wis.
Application October 14, 1940, Serial No. 95,831
Term of patent 14 years



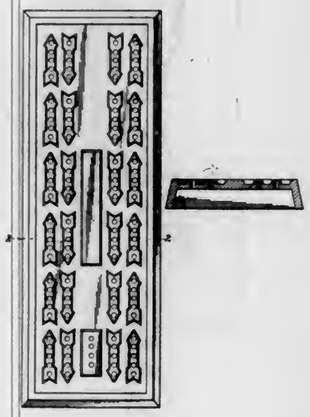
The ornamental design for a velocipede, substantially as shown and described.

127,916
DESIGN FOR A HOUSEMAID'S DOLLY
Hampton B. Whitfield, Cleveland, Ohio
Application March 14, 1941, Serial No. 99,600
Term of patent 14 years



The ornamental design for a housemaid's dolly, substantially as shown.

127,917
DESIGN FOR A CRIBBAGE BOARD
Calvin D. Williams, Cloquet, Minn., assignor of one-half to Abner H. Nerhaugen, Duluth, Minn.
Application February 14, 1941, Serial No. 99,005
Term of patent 14 years



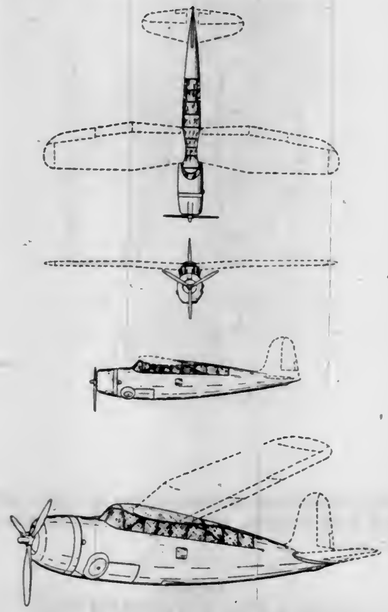
The ornamental design for a cribbage board, as shown.

127,918
DESIGN FOR A BOTTLE
Ben H. Wilson, Toledo, Ohio, assignor to The Harbauer Company, Toledo, Ohio, a corporation of Ohio
Application February 5, 1941, Serial No. 98,765
Term of patent 14 years



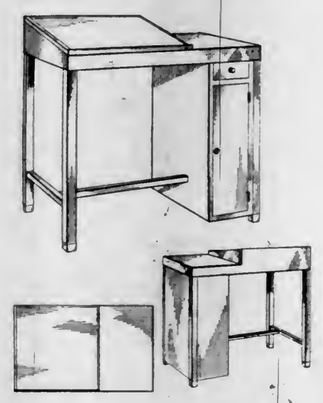
The ornamental design for a bottle, substantially as shown.

127,919
DESIGN FOR AN AIRPLANE
Edward F. Burton, Los Angeles, and Carlos C. Wood, Santa Monica, Calif., assignors to Douglas Aircraft Company, Incorporated, Santa Monica, Calif.
Application July 14, 1939, Serial No. 86,004
Term of patent 7 years



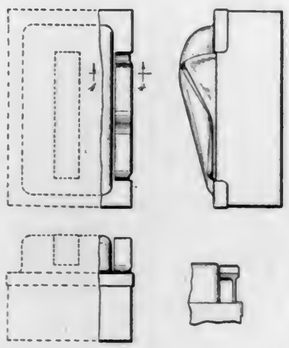
The ornamental design for an airplane, substantially as shown and described.

127,920
DESIGN FOR A DRAWING TABLE
Roy A. Carlson, Bay Village, Ohio
Application December 6, 1940, Serial No. 97,118
Term of patent 14 years



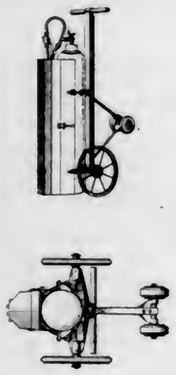
The ornamental design for a drawing table, substantially as shown.

127,921
DESIGN FOR A COMBINED SWITCH CASING AND HANDLE
William H. Frank, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application December 16, 1940, Serial No. 97,346
Term of patent 7 years



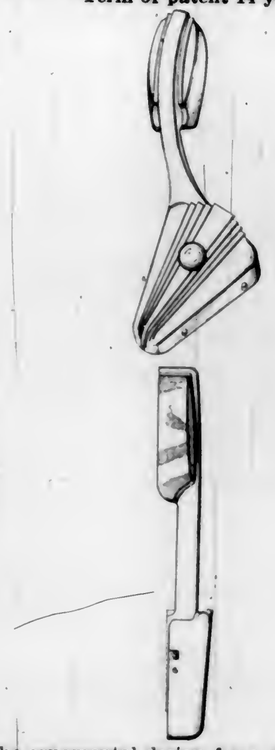
The ornamental design for a combined switch casing and handle, substantially as shown and described.

127,922
DESIGN FOR A WHEELED FIRE EXTINGUISHER
Walter H. Freygang, Essex Fells, N. J., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application April 19, 1940, Serial No. 91,776
Term of patent 14 years



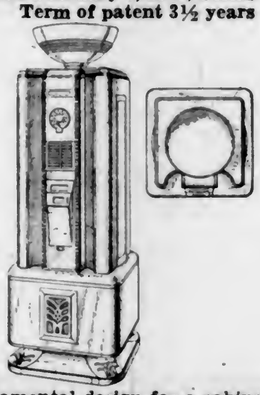
The ornamental design for a wheeled fire extinguisher, substantially as shown and described.

127,923
DESIGN FOR A PHONOGRAPH TONE ARM
Emil I. Harman, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application January 31, 1941, Serial No. 98,622
Term of patent 14 years



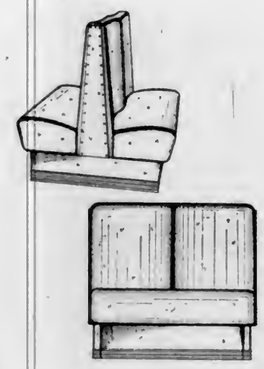
The ornamental design for a phonograph tone arm, substantially as shown.

127,924
DESIGN FOR A CABINET FOR SOUND REPRODUCING APPARATUS
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application February 5, 1941, Serial No. 98,752
Term of patent 3½ years



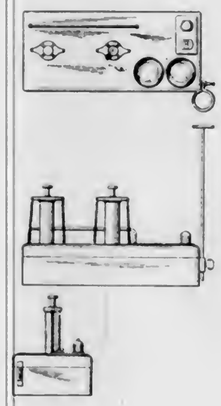
The ornamental design for a cabinet for sound reproducing apparatus, substantially as shown.

127,925
DESIGN FOR A BENCH
Wilmot H. Scott, St. Louis, Mo.
Application September 9, 1940, Serial No. 94,903
Term of patent 7 years



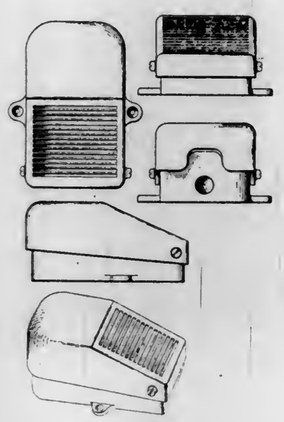
The ornamental design for a bench, as shown and described.

127,926
DESIGN FOR A FABRIC PATCH MENDING DEVICE
Edward N. Simmons, Chicago, Ill.
Application June 17, 1940, Serial No. 93,049
Term of patent 7 years



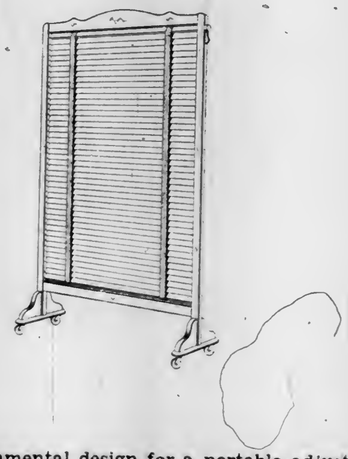
The ornamental design for a fabric patch mending device, substantially as shown.

127,927
DESIGN FOR A FOOT-OPERATED SWITCH
Albert L. Simonds, Southbridge, Mass.
Application March 10, 1941, Serial No. 99,463
Term of patent 14 years



The ornamental design for a foot-operated switch, as shown.

127,928
DESIGN FOR A PORTABLE ADJUSTABLE SCREEN
Benjamin Wellman, Milwaukee, Wis., assignor to Will Ross, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application June 9, 1939, Serial No. 85,420
Term of patent 7 years



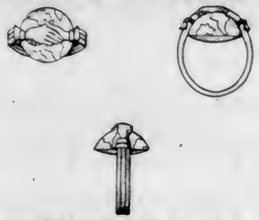
The ornamental design for a portable adjustable screen, as shown and described.

127,929
DESIGN FOR A TEXTILE FABRIC
Israel Cummings, New York, N. Y.
Application May 28, 1941, Serial No. 101,196
Term of patent 3½ years



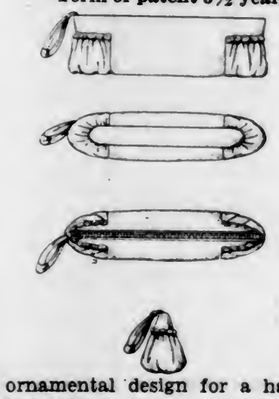
The ornamental design for a textile fabric, substantially as shown.

127,930
DESIGN FOR A RING
Maurice Duvalet, New York, N. Y.
Application May 29, 1941, Serial No. 101,214
Term of patent 3½ years



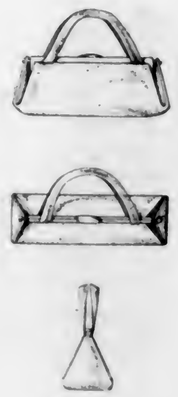
The ornamental design for a ring, substantially as shown.

127,931
DESIGN FOR A HANDBAG
David Lewis, New York, N. Y.
Application June 4, 1941, Serial No. 101,274
Term of patent 3½ years



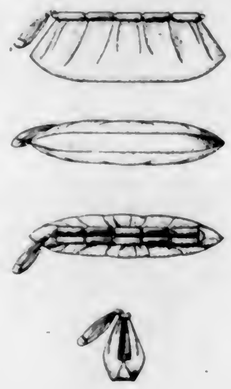
The ornamental design for a handbag, substantially as shown.

127,932
DESIGN FOR A HANDBAG
David Lewis, New York, N. Y.
Application June 4, 1941, Serial No. 101,276
Term of patent 3½ years



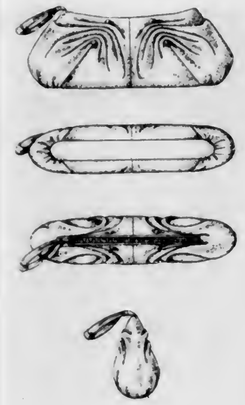
The ornamental design for a handbag, substantially as shown.

127,933
DESIGN FOR A HANDBAG
David Lewis, New York, N. Y.
Application June 4, 1941, Serial No. 101,279
Term of patent 3½ years



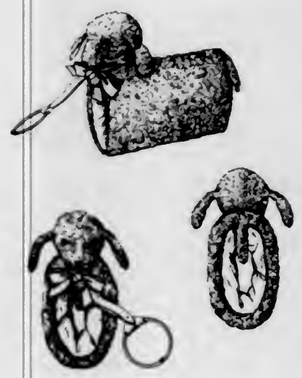
The ornamental design for a handbag, substantially as shown.

127,934
DESIGN FOR A HANDBAG
David Lewis, New York, N. Y.
Application June 4, 1941, Serial No. 101,280
Term of patent 3½ years



The ornamental design for a handbag, substantially as shown.

127,935
DESIGN FOR A MUFF
Max Baer, New York, N. Y.
Application May 23, 1941, Serial No. 101,103
Term of patent 3½ years



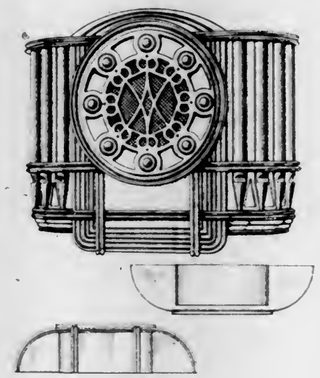
The ornamental design for a muff, substantially as shown.

127,936
DESIGN FOR A MUFF
Max Baer, New York, N. Y.
Application May 23, 1941, Serial No. 101,104
Term of patent 3½ years



The ornamental design for a muff, substantially as shown.

127,937
DESIGN FOR A SPEAKER CASING
Edward E. Collison, Indianapolis, Ind., assignor to Homer E. Capehart, Washington, Ind.
Application February 24, 1941, Serial No. 99,183
Term of patent 7 years



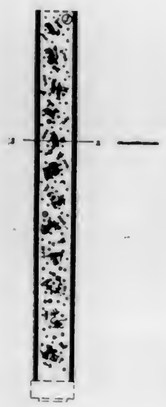
The ornamental design for a speaker casing, as shown and described.

127,938
DESIGN FOR A BELT OR SIMILAR ARTICLE
Henry Cohen, New York, N. Y.
Application May 20, 1941, Serial No. 101,027
Term of patent 3½ years



The ornamental design for a belt or similar article, substantially as shown.

127,939
DESIGN FOR A BELT OR SIMILAR ARTICLE
Jack Singer, New York, N. Y.
Application May 20, 1941, Serial No. 101,026
Term of patent 3½ years



The ornamental design for a belt or similar article, substantially as shown.

127,940
DESIGN FOR A DRESS
Pearl C. Abend, New York, N. Y.
Application May 27, 1941, Serial No. 101,170
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,941
DESIGN FOR A DRESS
Miriam Abrams, New York, N. Y.
Application May 31, 1941, Serial No. 101,233
Term of patent 3½ years



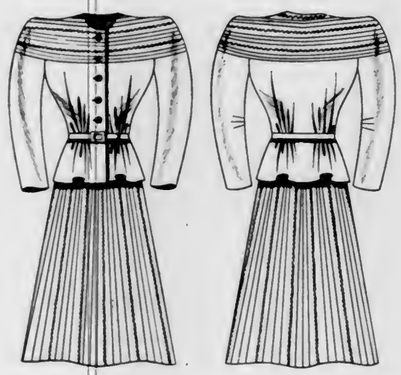
The ornamental design for a dress, substantially as shown.

127,942
DESIGN FOR A DRESS ENSEMBLE
Margaret Hobgood, New York, N. Y.
Application June 4, 1941, Serial No. 101,284
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

127,943
DESIGN FOR A SUIT
Stella Brownie Kaufman, New York, N. Y.
Application May 31, 1941, Serial No. 101,230
Term of patent 3½ years



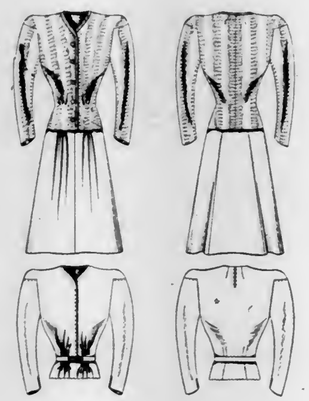
The ornamental design for a suit, substantially as shown.

127,944
DESIGN FOR A DRESS ENSEMBLE
Ottilie Conrad Nadel, New York, N. Y.
Application May 31, 1941, Serial No. 101,231
Term of patent 3½ years



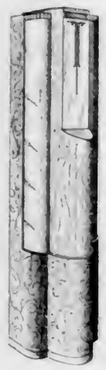
The ornamental design for a dress ensemble, substantially as shown.

127,945
DESIGN FOR A DRESS ENSEMBLE
Ottilie Conrad Nadel, New York, N. Y.
Application May 31, 1941, Serial No. 101,232
Term of patent 3½ years



The ornamental design for a dress ensemble, substantially as shown.

127,946
DESIGN FOR A CASING FOR SOUND APPARATUS
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application February 5, 1941, Serial No. 98,742
Term of patent 3½ years



The ornamental design for a casing for sound apparatus, as shown and described.

127,947
DESIGN FOR A CASING FOR SOUND APPARATUS
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application February 5, 1941, Serial No. 98,743
Term of patent 3½ years



The ornamental design for a casing for sound apparatus, as shown and described.

127,948
DESIGN FOR A CASING FOR SOUND APPARATUS
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application February 5, 1941, Serial No. 98,745
Term of patent 3½ years



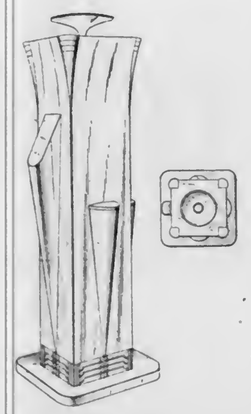
The ornamental design for a casing for sound apparatus, as shown and described.

127,949
DESIGN FOR A CASING FOR SOUND APPARATUS
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application February 5, 1941, Serial No. 98,746
Term of patent 3½ years



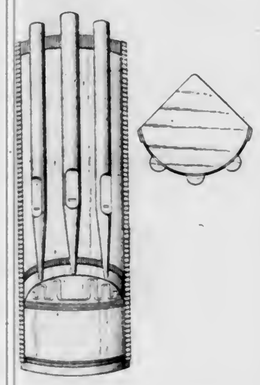
The ornamental design for a casing for sound apparatus, substantially as shown and described.

127,950
DESIGN FOR A CASING FOR SOUND APPARATUS
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application February 5, 1941, Serial No. 98,749
Term of patent 3½ years



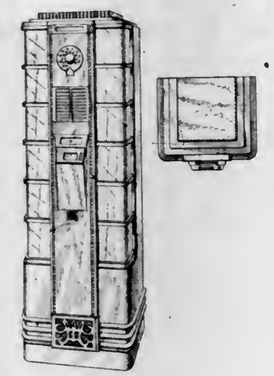
The ornamental design for a casing for sound apparatus, substantially as shown and described.

127,951
DESIGN FOR A CASING FOR SOUND APPARATUS
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application February 5, 1941, Serial No. 98,754
Term of patent 3½ years



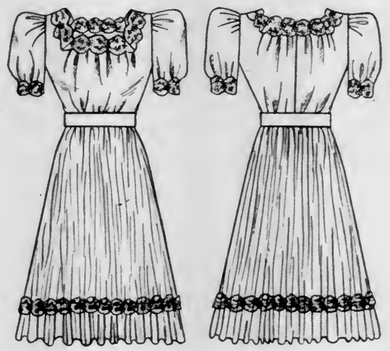
The ornamental design for a casing for sound apparatus, substantially as shown and described.

127,952
DESIGN FOR A CABINET FOR SOUND REPRODUCING APPARATUS
David C. Rockola, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Delaware
Application February 5, 1941, Serial No. 98,755
Term of patent 3½ years



The ornamental design for a cabinet for sound reproducing apparatus, substantially as shown and described.

127,953
DESIGN FOR A DRESS
Alice Torris, New York, N. Y.
Application May 28, 1941, Serial No. 101,199
Term of patent 3½ years



The ornamental design for a dress, substantially as shown.

127,954
DESIGN FOR A DRESS
Minna Wuerth, New York, N. Y.
Application May 28, 1941, Serial No. 101,198
Term of patent 3½ years



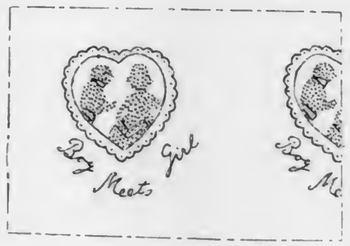
The ornamental design for a dress, substantially as shown.

127,955
DESIGN FOR A DRESS
Hattie Carnegie Zanft, Red Bank, N. J.
Application June 5, 1941, Serial No. 101,305
Term of patent 3½ years



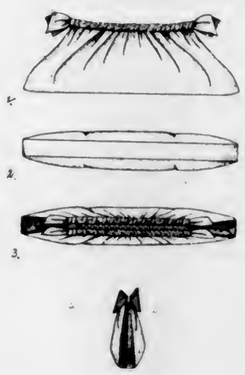
The ornamental design for a dress, substantially as shown.

127,956
DESIGN FOR AN EMBROIDERED FABRIC
Sam Landau, New York, N. Y.
Application May 5, 1941, Serial No. 100,774
Term of patent 3½ years



The ornamental design for an embroidered fabric, substantially as shown.

127,957
DESIGN FOR A HANDBAG
David Lewis, New York, N. Y.
Application June 4, 1941, Serial No. 101,281
Term of patent 3½ years



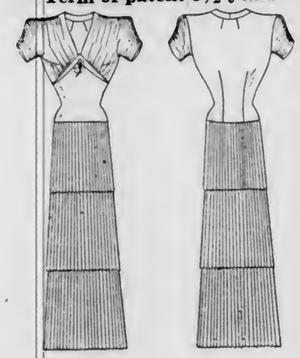
The ornamental design for a handbag, substantially as shown.

127,958
DESIGN FOR A COAT
Claire McCardell, New York, N. Y.
Application May 27, 1941, Serial No. 101,175
Term of patent 3½ years

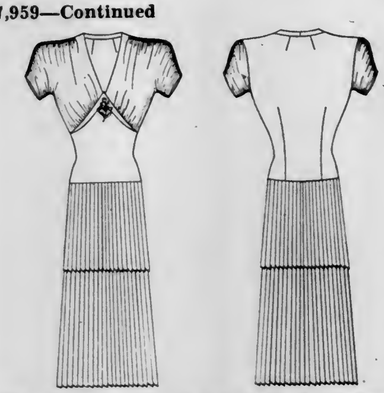


The ornamental design for a coat, substantially as shown.

127,959
DESIGN FOR A COMBINATION STREET DRESS AND EVENING DRESS
Doris Mandelker, Great Neck, N. Y.
Application April 23, 1941, Serial No. 100,575
Term of patent 3½ years



127,959—Continued



The ornamental design for a combination street dress and evening dress, as shown.

127,960
DESIGN FOR A COAT
Sol Richman, New York, N. Y.
Application May 10, 1941, Serial No. 100,892
Term of patent 3½ years



The ornamental design for a coat, substantially as shown and described.

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